



RZ
Medizintechnik
GmbH
progress in surgery

RZ Medizintechnik GmbH - Progress in Surgery. The family business was found in 1994 in Tuttlingen the center of the medical industry by Rainer Zubrod and he runs it today with his son Tobias and his family members.

By his strong commitment to produce and to market only high quality medical products, RZ has developed in recent years to a well respected and competent partner in the medical field. All the processes from development, manufacturing to worldwide distribution are performed at RZ with the utmost expertise and precision.



Our very high quality standard we achieve by the use of medical grade German stainless steel, titanium alloys and high-grade carbon fiber. The modern machinery with CNC milling and turning machines ensures a high production depth and pattern continuity. Of course, in strict compliance with the CE directives. We have been certified since 1994.

In RZ the traditional craftsmanship is done by experienced surgical instrument formen and highly skilled workers. The precise craftsmanship ensures the perfection of each instrument.

Beside the wide range of standard products, RZ Medizintechnik also offers:

- Individual custom-made products
- Repair and Replacement service

Since the company was founded in 1994 the endoscopic market has also influenced the development of HD telescopes for various procedures in surgery.

In the production of state-of-the-art RZ telescopes we place emphasis, quality, superior handling and latest technology. Hereby we use only material of the highest quality standard such as high resolution imaging bundle. Our extensive inventory enable us absolute compliance with the schedule and short delivery times.

After the modern laser marking our products are ready for their long way as medical device.

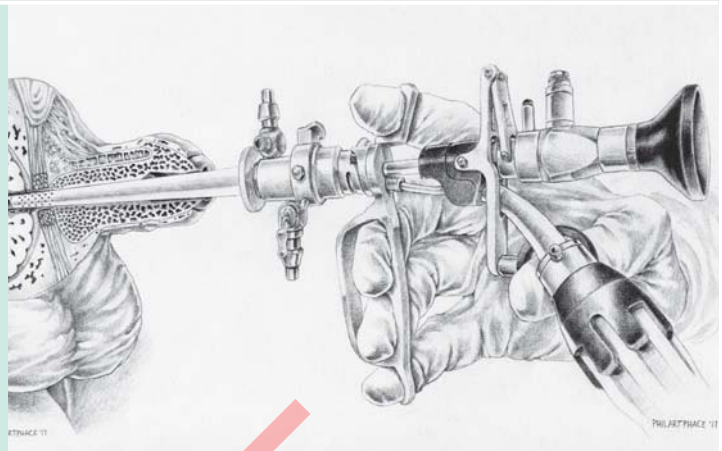
Our competent team consisting of our area managers and our experienced medical product consultants are pleased to support our exclusive dealers and distributors worldwide.



UROLOGY

The open and endoscopic treatment of urological disorders has always been a key area for RZ Medizintechnik GmbH. Together with renowned surgeons worldwide, we have been developing and producing advanced instruments for the last two decades in the fields of cystoscopy, resectoscopy, stricture treatment, lithotripsy, nephroscopy, uretero-renaloscopy and all pediatric applications. We offer the complete range of instruments for monopolar, bipolar as well as laser based surgical procedures and provide solutions for all urological procedures, from instrumentation, endoscopes to 4K device systems.

The focus of the catalog has been dedicated to the laser section to meet the latest trends in laser-assisted resectoscopy (HoLEP/ThuLEP, Diode-Laser/Contact Laser Ablation, HoLAP/ThuVAP and PVP).



RZ topseller products

All products marked with this green star are RZ-Topseller Products. RZ is seeking to have those products on stock permanent.

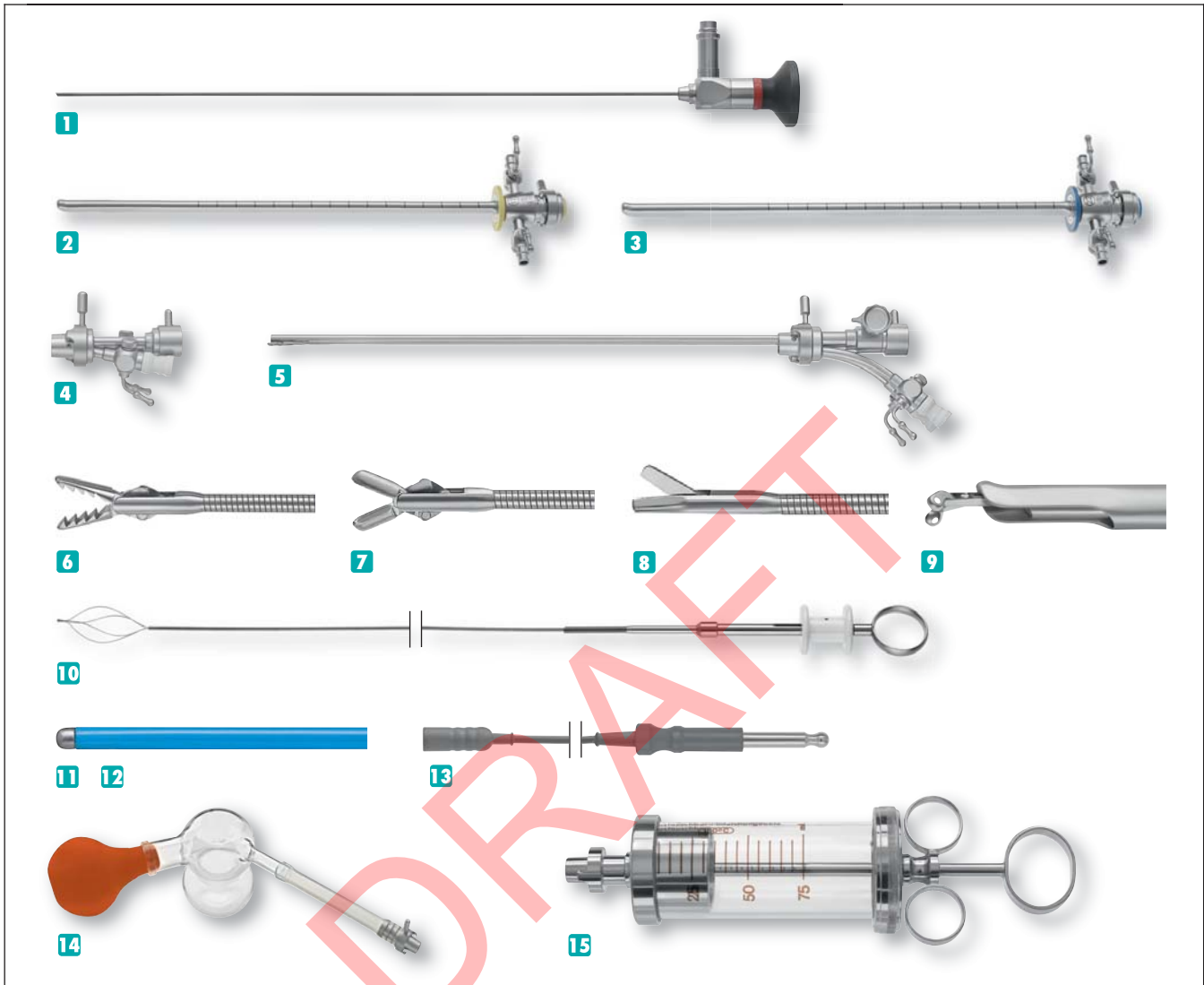


Trade Product Symbol

Products marked with this TradeProduct-Symbol are not available with RZ-Marking and not with the CE-number of RZ.

Cystoscope Set for adults

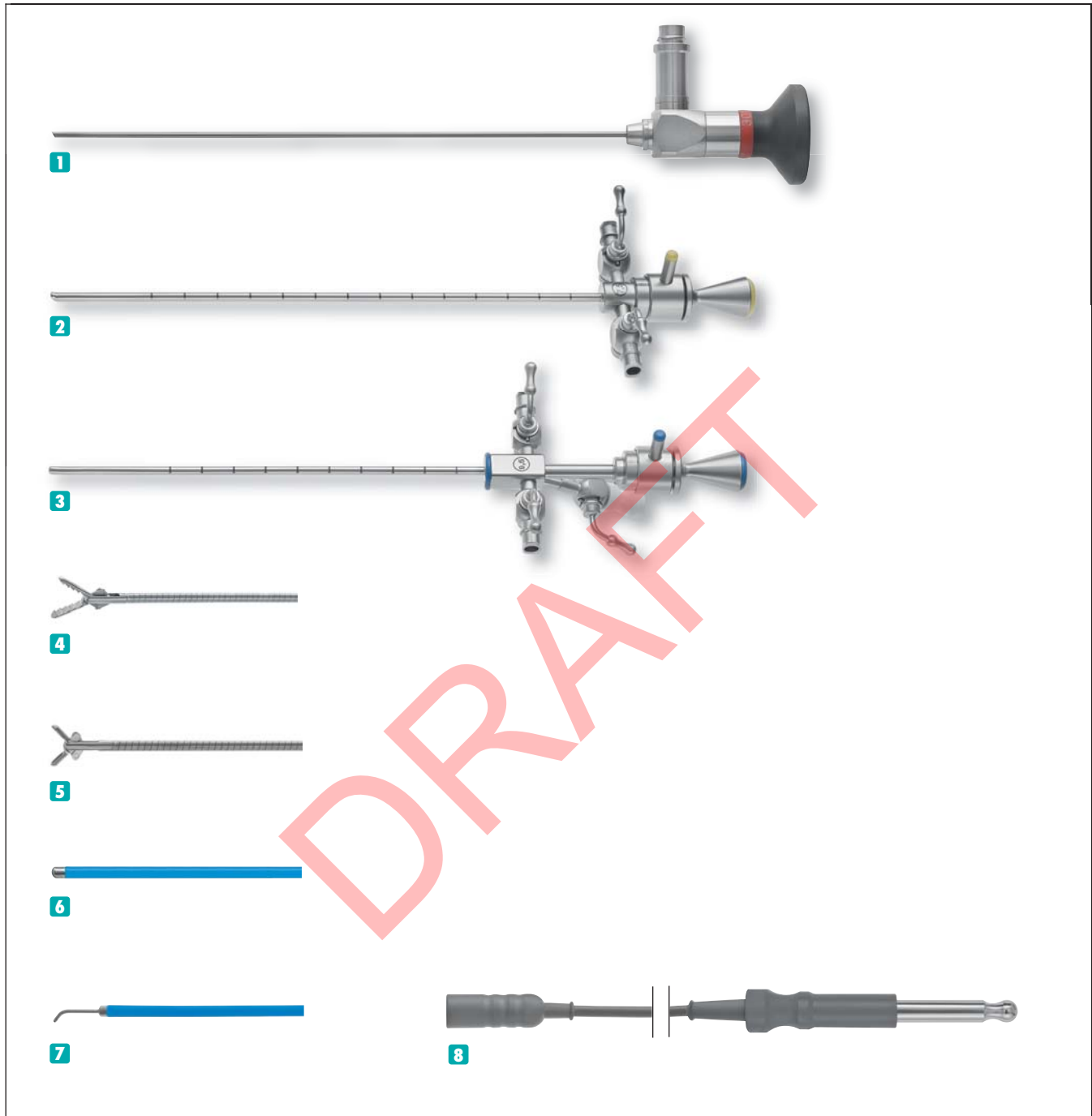
253-900-900



	Article-No.	Description	Page	Qty.
1	253-804-030	RZ Cystoscope 4.0mm Ø, 30° direction of view	17	1 pc.
2	253-300-017	Cysto-Urethroscope Sheath 17 Charr.	18	1 pc.
3	253-300-022	Cysto-Urethroscope Sheath 22 Charr.	18	1 pc.
4	253-000-102	Bridge with 2 channels for 1 instrument with max. 12 Charr. or 2 instruments with max. 8 Charr.	20	1 pc.
5	253-000-105	Albarran deflecting mechanism with 2 working channels and ratchet	20	1 pc.
6	351-114-107	Flexible Grasping Forceps, serrated jaws, double action	21	1 pc.
7	351-120-107	Biopsy Forceps, oval cup, serrated jaws, double action	21	1 pc.
8	351-100-105	Scissors, single action	21	1 pc.
9	253-420-100	Spoon Biopsy Forceps with round cup, double action	22	1 pc.
10	253-585-005	Dormia Metal Stone Basket, flexible, 4 wires, 600mm working length, 5 Charr.	24	1 pc.
11	253-370-005	Ball Electrode 530mm working length, 5 Charr.	26	1 pc.
12	253-370-007	Ball Electrode 530mm working length, 7 Charr.	26	1 pc.
13	253-610-003	Monopolar Cable with 8 mm plug for Valleylab HF-unit	32	1 pc.
14	253-500-000	Ellik Evacuator with turn lock connection	102	1 pc.
15	253-000-950	Bladder Syringe, 150cc	101	1 pc.

Cystoscope Set for children

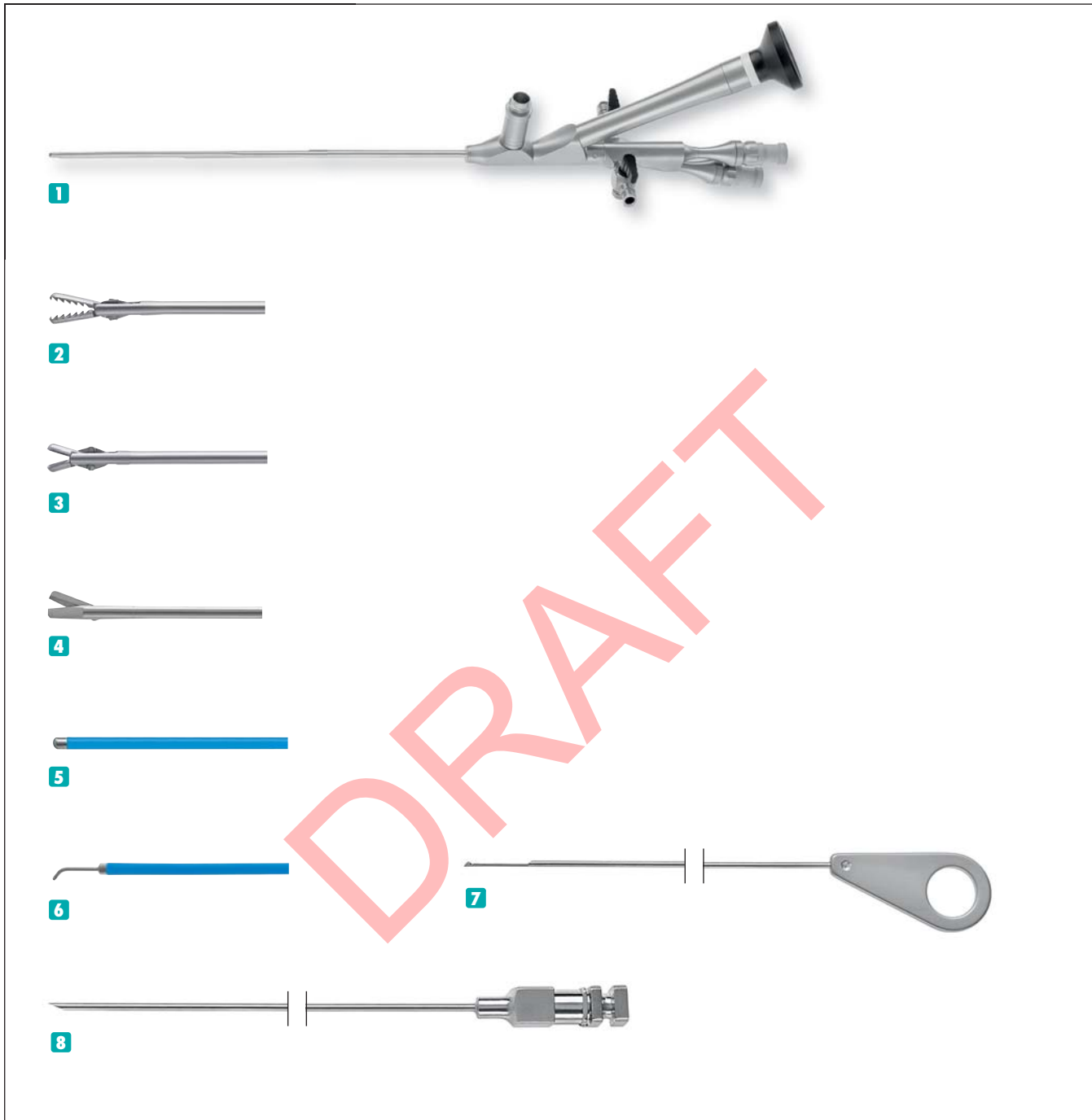
253-900-918



	Article-No.	Description	Page	Qty.
1	253-219-130	RZ Pediatric Fiber Cystoscope $\varnothing$ 2.0mm, 30° direction of view	73	1 pc.
2	253-200-075	Pediatric Cystoscope Sheath 7.5 Charr.	73	1 pc.
3	253-200-095	Pediatric Cystoscope Sheath 9.5 Charr.	73	1 pc.
4	253-202-003	Alligator grasping forceps, 28cm length, 3 Charr.	73	1 pc.
5	253-204-003	Biopsy forceps, 28cm length, 3 Charr.	73	1 pc.
6	253-370-253	Ball electrode, 25cm length, 3 Charr.	73	1 pc.
7	253-371-253	Needle electrode, 25cm length, 3 Charr.	73	1 pc.
8	253-610-003	Monopolar Cable with 8 mm plug for Valleylab HF-unit	81	1 pc.

Cystoscope Set for (newborn) Babys

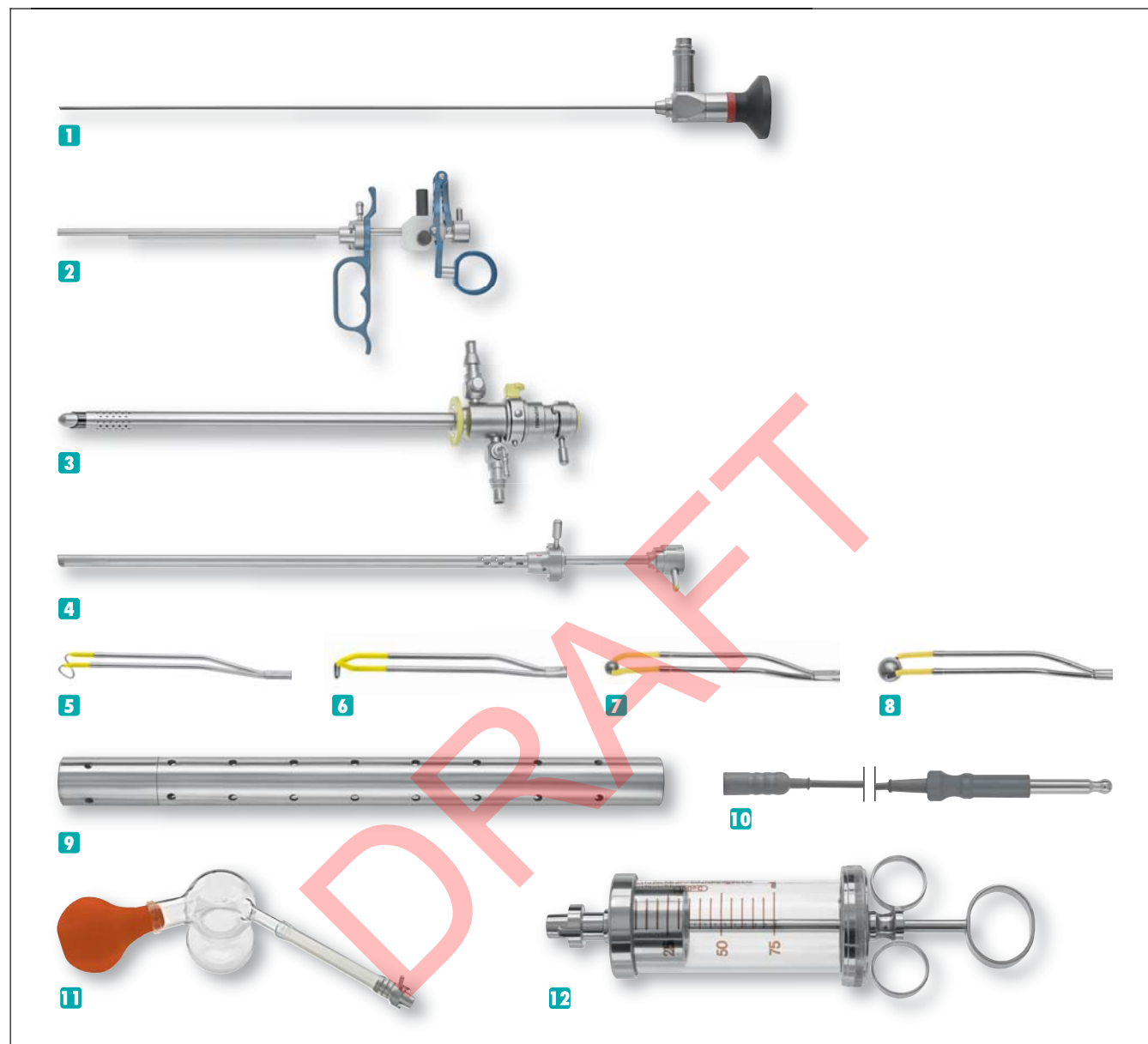
253-900-919



	Article-No.	Description	Page	Qty.
1	253-200-600	Operating Cysto-Urethrotome 4.5 Charr., 5° direction of view	70	1 pc.
2	253-203-128	Stone Grasping Forceps, double action, 3 Charr.	70	1 pc.
3	253-203-328	Biopsy Forceps, double action, 3 Charr.	70	1 pc.
4	253-203-428	Scissors, single action, 3 Charr.	70	1 pc.
5	253-370-253	Ball Electrode, 3 Charr.	72	1 pc.
6	253-371-253	Needle electrode, 3 Charr.	72	1 pc.
7	253-200-200	Hook Knife, 3 Charr.	72	1 pc.
8	253-200-210	Injection Cannula, 3 Charr.	72	1 pc.

Monopolar Resectoscope Set for adults

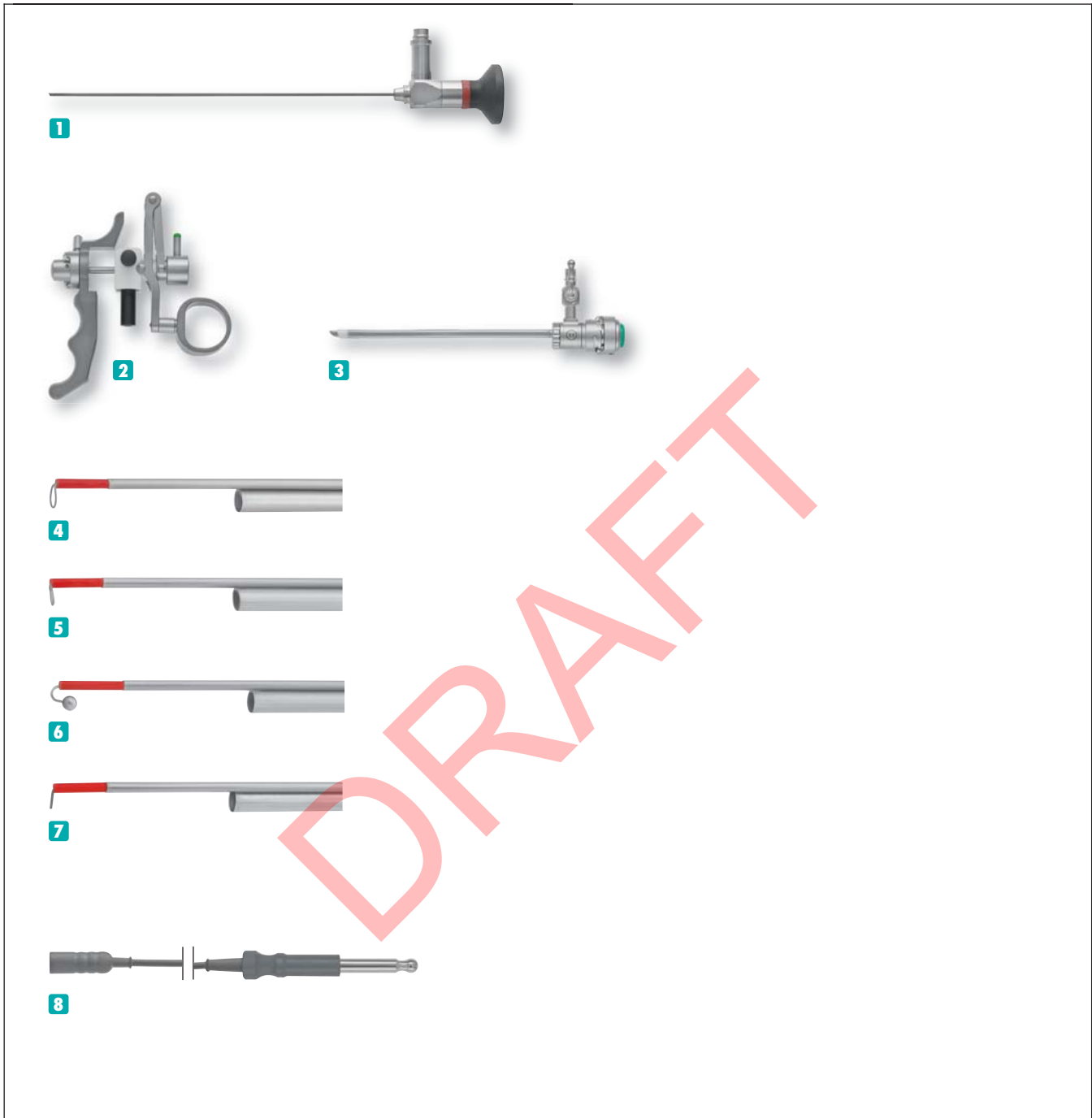
253-900-901



	Article-No.	Description	Page	Qty.
1	253-804-030	RZ Cystoscope 4.0mm Ø, 30° direction of view	17	1 pc.
2	253-000-200	Passive Titanium working element	32	1 pc.
3	253-000-256	Continuous Flow Resectoscope Sheath, 26 Charr.	38	1 pc.
4	253-000-084	Visual Obturator for 4mm RZ Cystoscopes	40	1 pc.
5	253-300-201	Cutting Loop, angled, for 12°/30° telescope	33	3 pcs.
6	253-300-203	Coagulation Electrode, pointed	33	1 pc.
7	253-300-205	Coagulation Electrode, ball shape, Ø 3mm	33	1 pc.
8	253-300-206	Coagulation Electrode, ball shape, Ø 5mm	33	1 pc.
9	253-300-999	Storage container for knives and electrodes, metal, perforated	61	1 pc.
10	253-610-003	Monopolar Cable with 8 mm plug for Valleylab HF-unit	81	1 pc.
11	253-500-000	Ellik Evacuator with turn lock connection	102	1 pc.
12	253-000-950	Bladder Syringe, 150cc	101	1 pc.

Monopolar Resectoscope Set for children

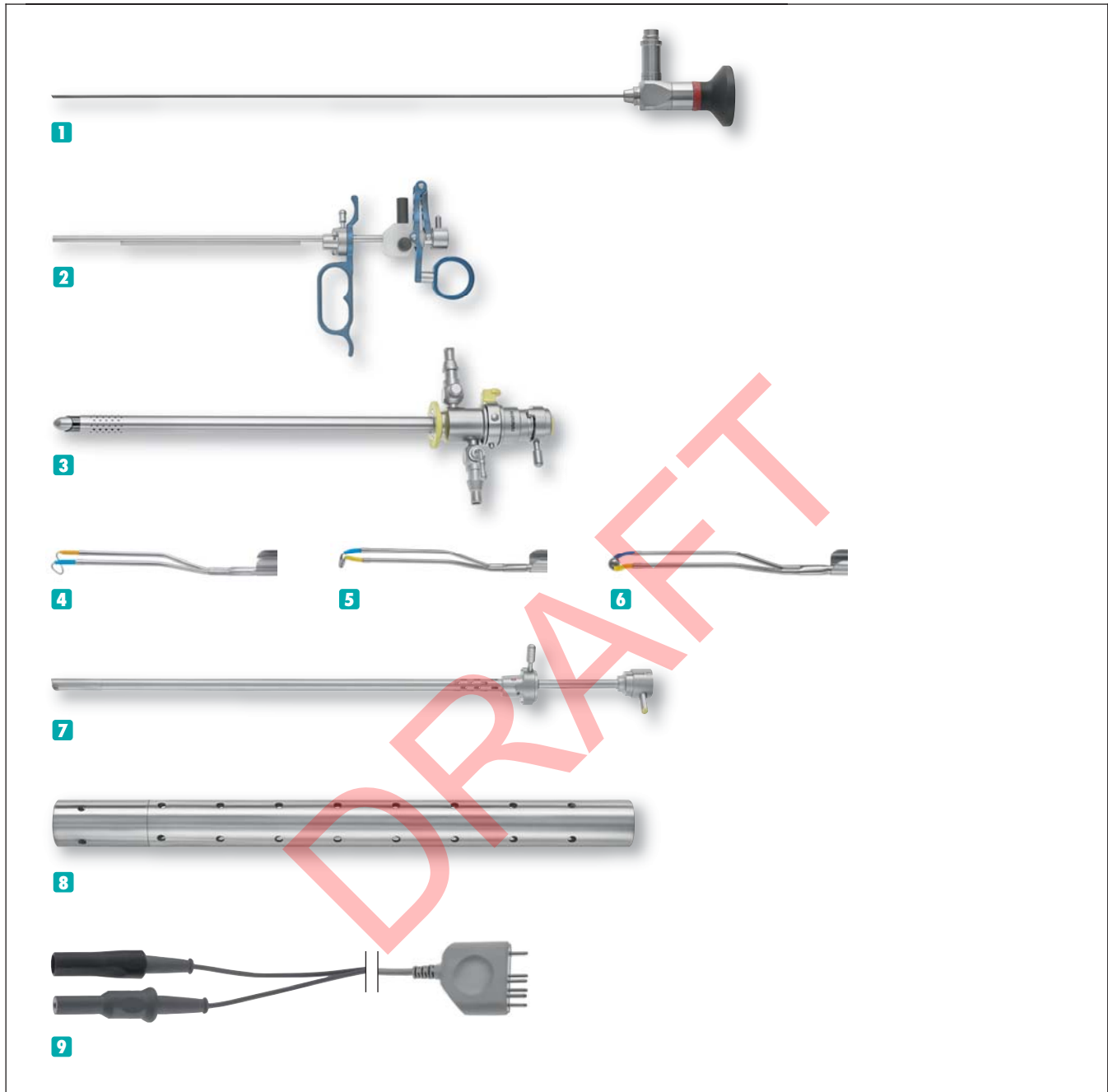
253-900-905



	Article-No.	Description	Page	Qty.
1	253-219-100	RZ Pediatric Fiber Cystoscope Ø 2.0mm	72	1 pc.
2	253-250-200	Passive Titanium working element	76	1 pc.
3	253-250-211	Resectoscope Sheath 11 Charr. with obturator	76	1 pc.
4	253-251-111	Cutting Loop Electrode, 11 Charr.	76	1 pc.
5	253-251-112	Coagulation Electrode, 11 Charr.	76	1 pc.
6	253-251-113	Hook Electrode with ball, 11 Charr.	76	1 pc.
7	253-251-115	Needle Electrode, pointed, 11 Charr.	76	1 pc.
8	253-610-003	Monopolar Cable with 8 mm plug for Valleylab HF-unit	81	1 pc.

26 Charr. Bipolar (HYBRID) Resectoscope Set for adults

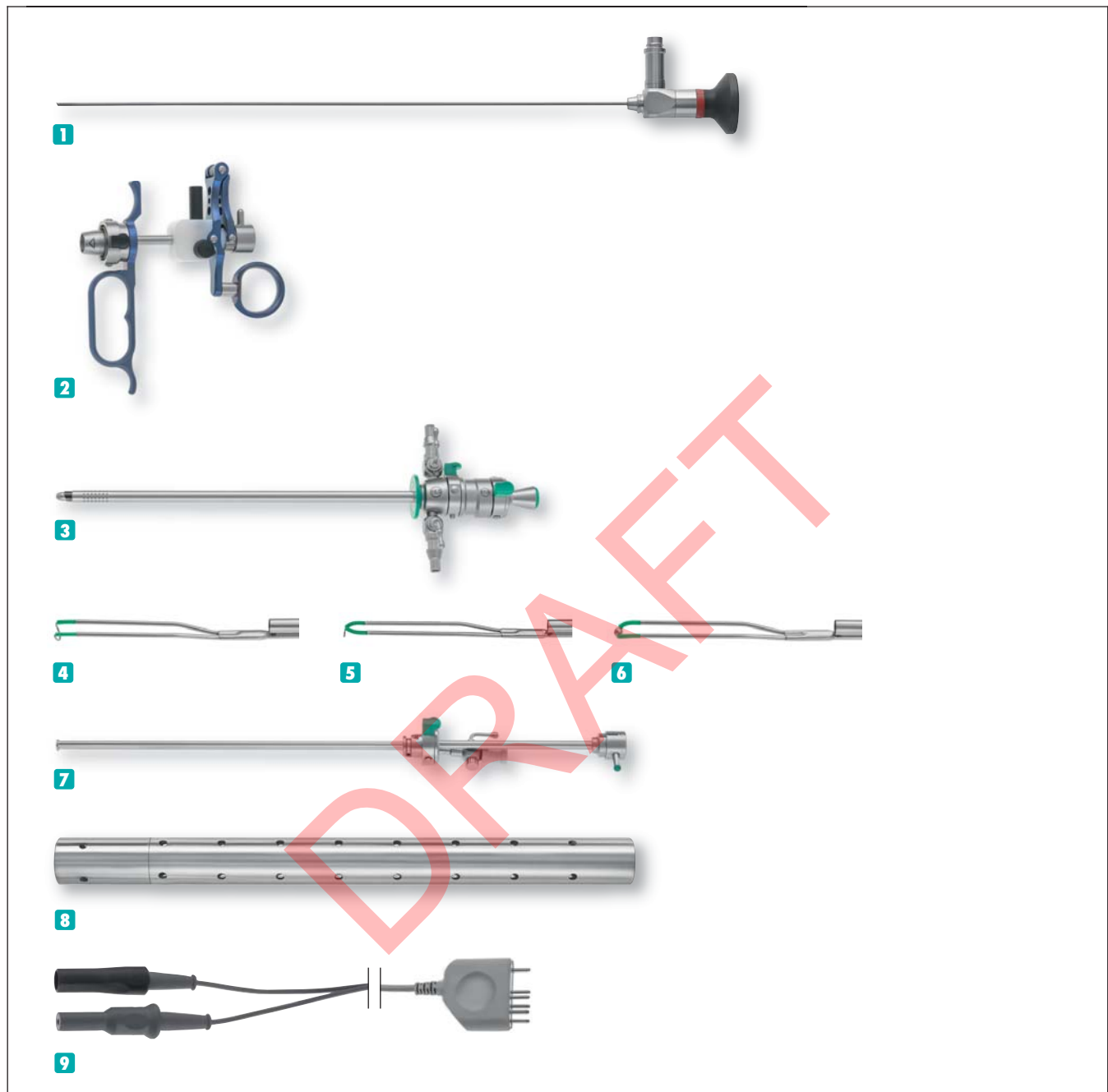
253-900-911



	Article-No.	Description	Page	Qty.
1	253-804-030	Hysteroscope, 30°, Ø 4mm, autoclavable	17	1 pc.
2	253-000-400	Passive HYBRID working element	36	1 pc.
3	253-000-256	Continuous Flow Resectoscope Sheath, 26 Charr.	38	1 pc.
4	253-400-201	Cutting Electrode	37	1 pc.
5	253-400-203	Collins Coagulation Electrode	37	1 pc.
6	253-400-205	Ball Electrode	37	1 pc.
7	253-000-094	Visual Obturator, with 6 Charr. working channel	40	1 pc.
8	253-300-999	Sterilization tubes for electrodes	61	1 pc.
9	253-400-605	SDS Cable, 4.5m, bipolar	43	1 pc.

18.5 Charr. Bipolar (HYBRID) Resectoscope Set for adults and adolescents

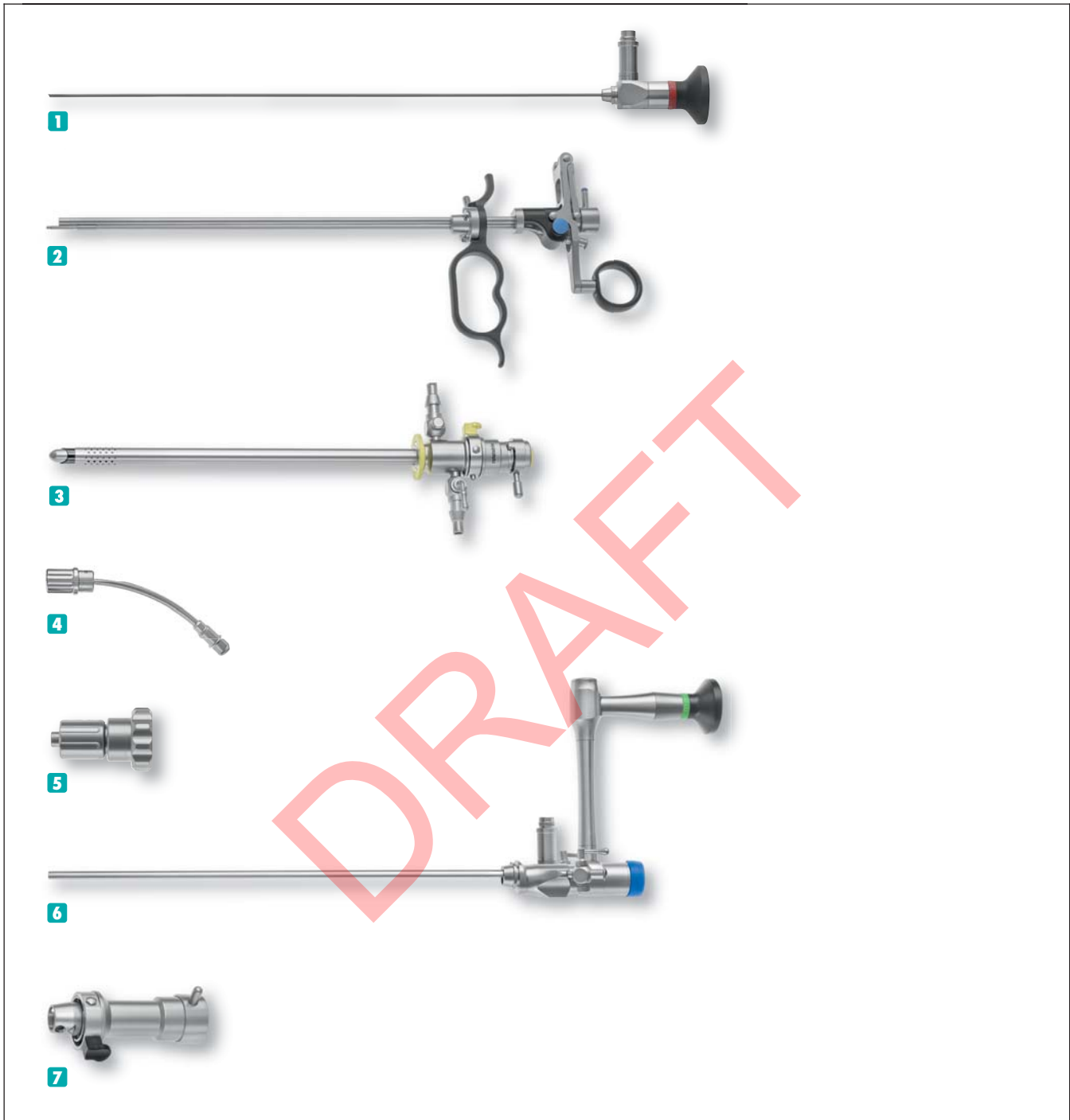
253-900-921



	Article-No.	Description	Page	Qty.
1	253-829-030	Hysteroscope, 30°, Ø 2.9mm	78	1 pc.
2	253-000-200	Passive HYBRID working element	32	1 pc.
3	351-000-185	Continuous Flow Resectoscope Sheath, 18.5 Charr.	55	1 pc.
4	351-000-201	Loop Electrode	83	1 pc.
5	351-000-203	Knife Electrode	83	1 pc.
6	351-000-205	Ball Electrode	83	1 pc.
7	351-000-180	Visual Obturator, with 5 Charr. working channel	55	1 pc.
8	253-300-999	Sterilization tubes for electrodes	61	1 pc.
9	253-400-605	SDS Cable, 4.5m, bipolar	43	1 pc.

HoLEP Set Acc. Dr. Felipe

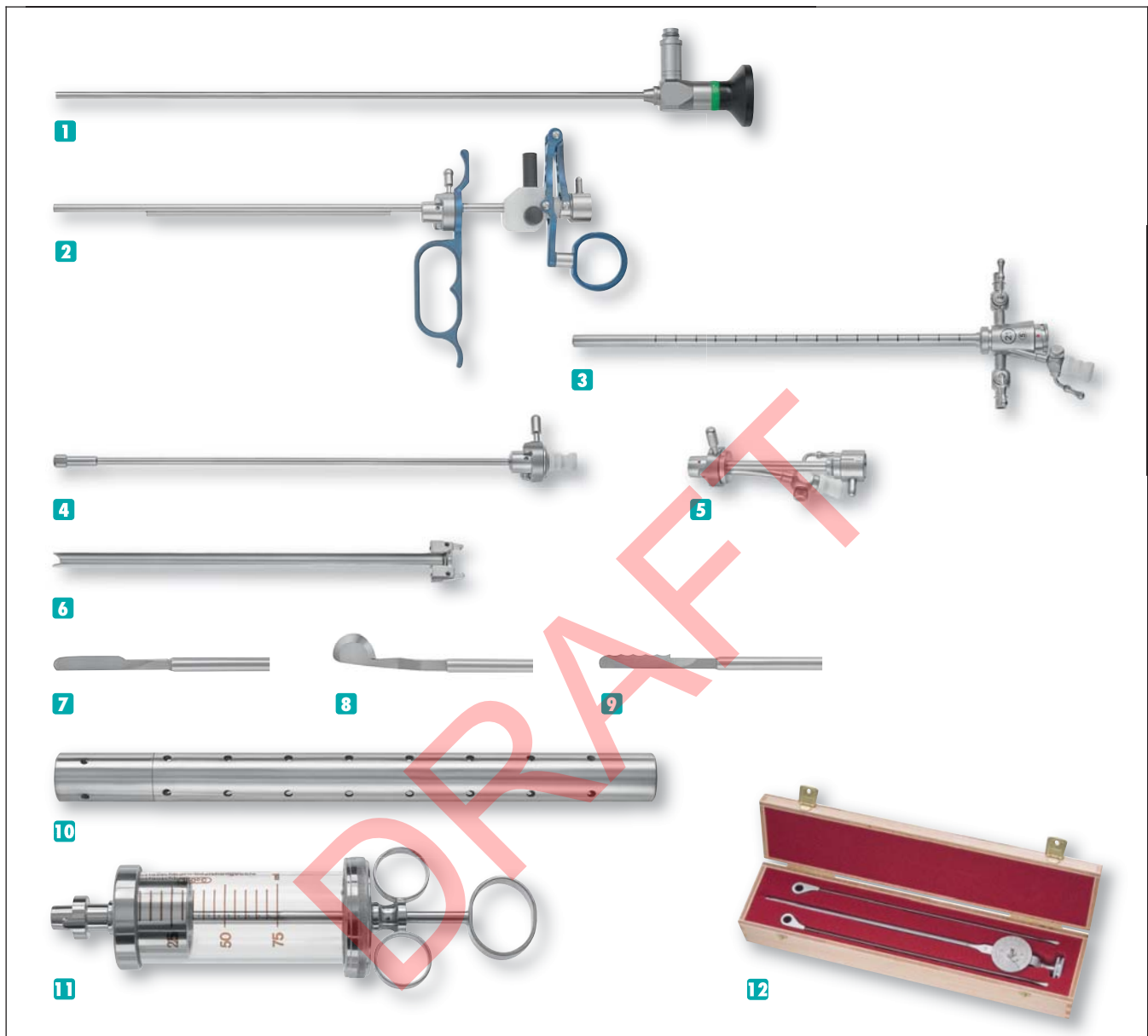
253-900-920



	Article-No.	Description	Page	Qty.
1	253-804-030	RZ Cystoscope 4.0mm Ø, 0° direction of view	17	1 pc.
2	253-000-312	RZ Laser Working Element, passive, for laser-probes	52	1 pc.
3	253-000-256	Continuous Flow Resectoscope Sheath, 26 Charr.	56	1 pc.
4	253-000-302	RZ LL-Connection	53	1 pc.
5	300-011-184	LuerLock Tuohy Borst Adapter	53	1 pc.
6	253-900-121	Nephroscope 6°	56	1 pc.
7	253-428-100	Adapter for Resectoscope outer sheath 253-000-256	56	1 pc.

Urethrotome Set for adults

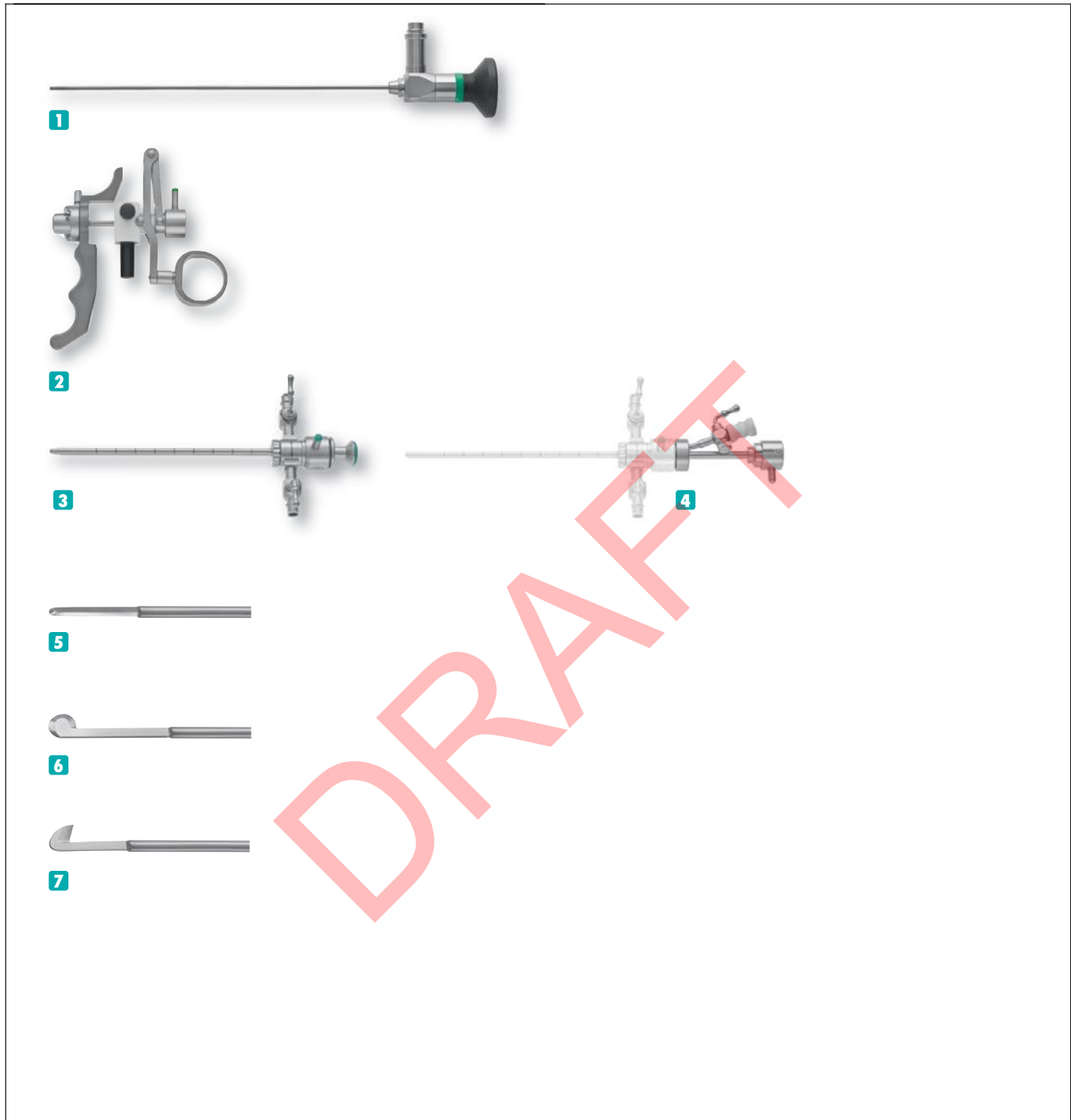
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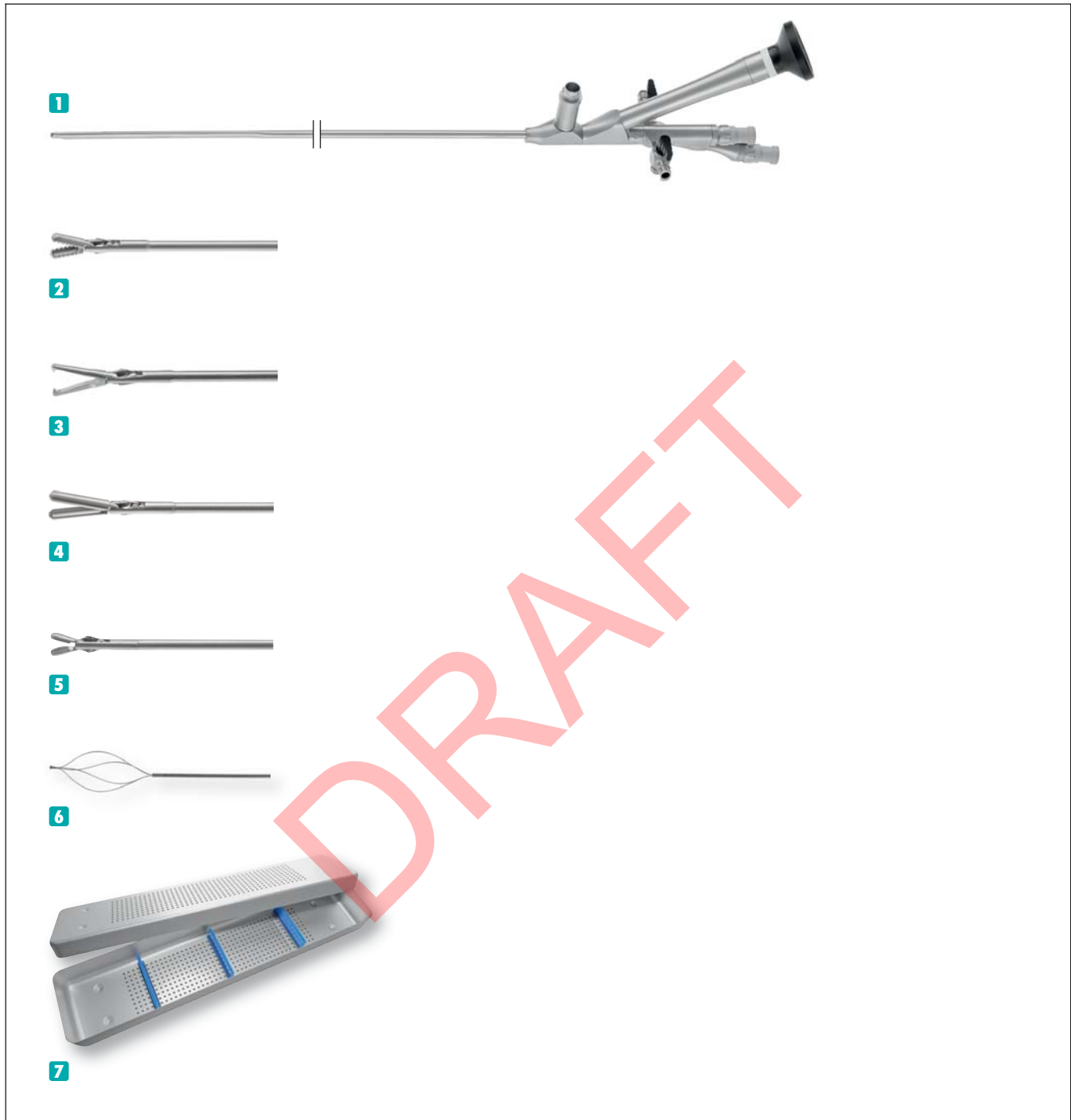
	Article-No.	Description	Page	Qty.
1	253-804-000	RZ Cystoscope 4.0mm Ø, 0° direction of view	60	1 pc.
2	253-000-200	Passive Titanium Working Element	32	1 pc.
3	253-500-221	Urethrotome Sheath oval shape, 21 Charr.	60	1 pc.
4	253-500-321	Hollow Obturator with channel for guide wires	60	1 pc.
5	253-500-325	Bridge with channel for 5 Charr. accessories	60	1 pc.
6	253-500-230	Supplementary Sheath, half round	60	1 pc.
7	253-500-561	Sachse knife, straight	61	3 pcs.
8	253-500-563	Half round knife, 180° cutting	61	2 pcs.
9	253-500-564	WaveCut knife, straight	61	1 pc.
10	253-300-999	Sterilization tubes for electrodes	61	1 pc.
11	253-000-950	Bladder Syringe, 150cc	101	1 pc.
12	253-500-100	OTIS Dilation Urethrotome, complete	59	1 pc.

Urethrotome Set for children

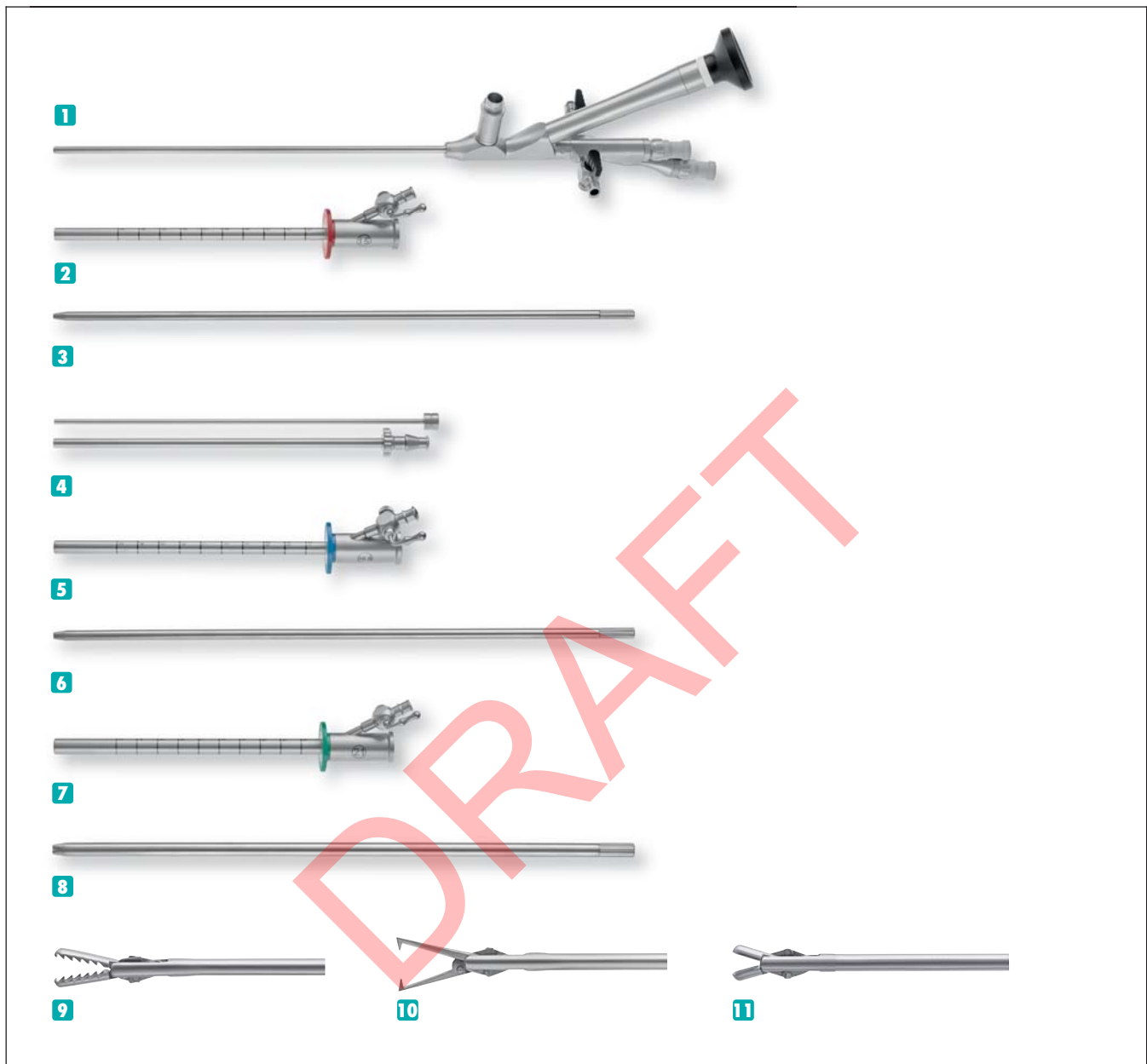
253-900-922



	Article-No.	Description	Page	Qty.
1	253-219-100	RZ Pediatric Fiber Cystoscope $\varnothing$ 2.0mm, 0° direction of view	73	1 pc.
2	253-250-200	Passive Working Element	77	1 pc.
3	253-265-010	Pediatric Urethrotome sheath, 10 Charr.	77	1 pc.
4	253-255-001	Bridge with 1 channel	77	1 pc.
5	253-265-101	Knife with straight cutting edge	77	1 pc.
6	253-265-102	Round Knife	77	1 pc.
7	253-265-104	Hook Knife	77	1 pc.



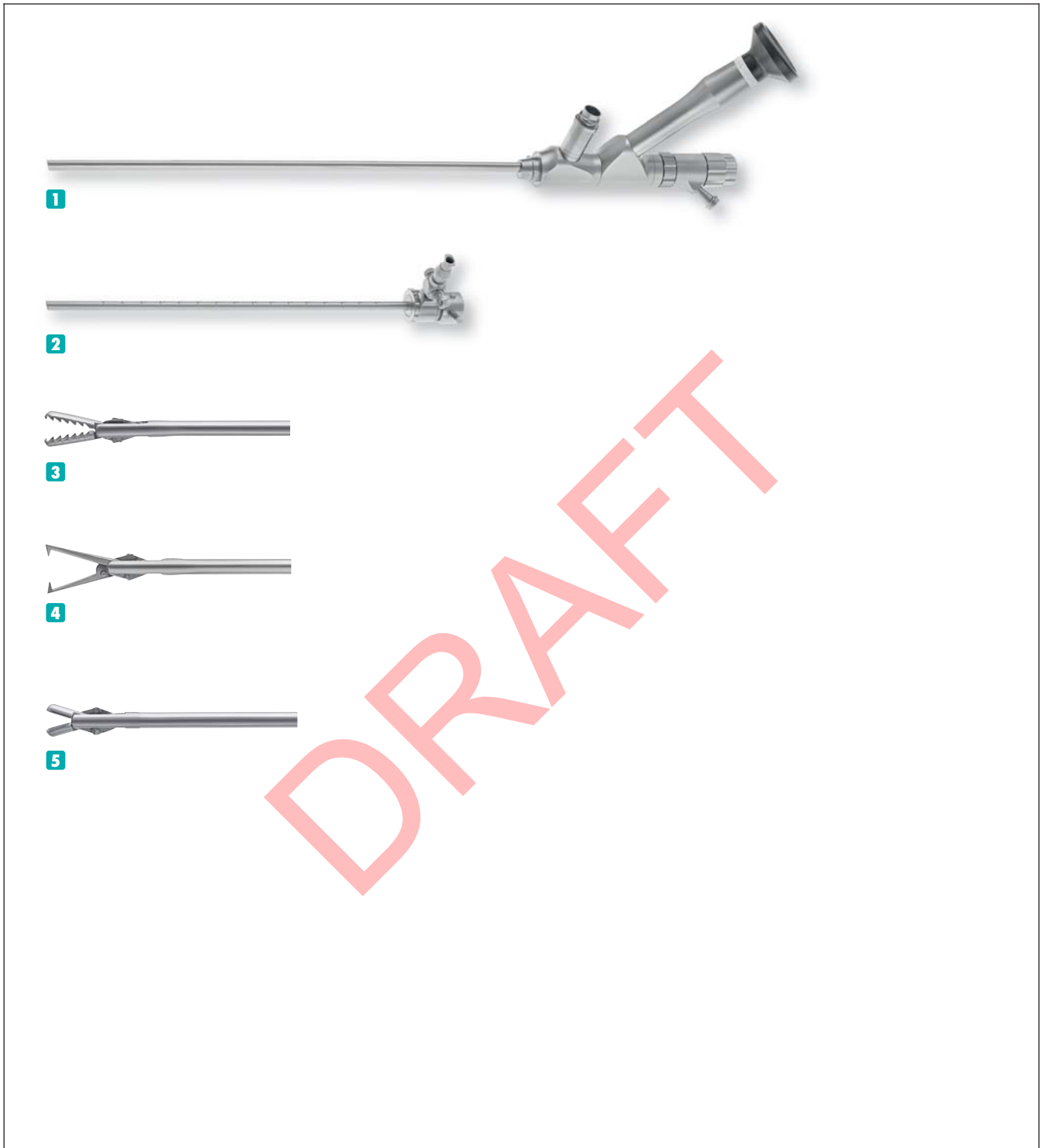
	Article-No.	Description	Page	Qty.
1	253-905-540	Advanced Semi-Rigid Uretero-Renoscope	98	1 pc.
2	253-950-005	Stone Grasping Forceps	97	1 pc.
3	253-952-005	Stone Grasping Forceps for large stones	97	1 pc.
4	253-954-005	HAMADA long Stone Grasping Forceps	97	1 pc.
5	253-956-005	Biopsy Forceps	97	1 pc.
6	253-585-005	Dormia Metal Stone Basket, flexible	97	1 pc.
7	253-905-000	Container for URS with silicone inserts	96	1 pc.



	Article-No.	Description	Page	Qty.
1	253-900-140	Mini Nephroscope, 12° direction of view	85	1 pc.
2	253-900-141	15 Charr. Nephroscope Sheath	86	1 pc.
3	253-900-146	One-Step Dilator	86	1 pc.
4	253-900-145	2-piece Sealing Adapter	86	1 pc.
5	253-900-142	16.5 Charr. Nephroscope Sheath	86	1 pc.
6	253-900-147	One-Step Dilator	86	1 pc.
7	253-900-143	21 Charr. Nephroscope Sheath	86	3 pcs.
8	253-900-148	One-step Dilator	86	3 pcs.
9	253-950-455	Stone Grasping forceps	87	1 pc.
10	253-952-455	Stone Grasping Forceps for large stones	87	1 pc.
11	253-956-455	Biopsy Forceps	87	1 pc.

Nephroscope Set, Compact PCNL

253-900-923



	Article-No.	Description	Page	Qty.
1	253-900-630	Compact Nephroscope	89	1 pc.
2	253-900-666	Shaft with Obturator	89	1 pc.
3	253-950-455	Stone Grasping forceps	87	1 pc.
4	253-952-455	Stone Grasping Forceps for large stones	87	1 pc.
5	253-956-455	Biopsy Forceps	87	1 pc.

Nephroscope Set, Standard PCNL

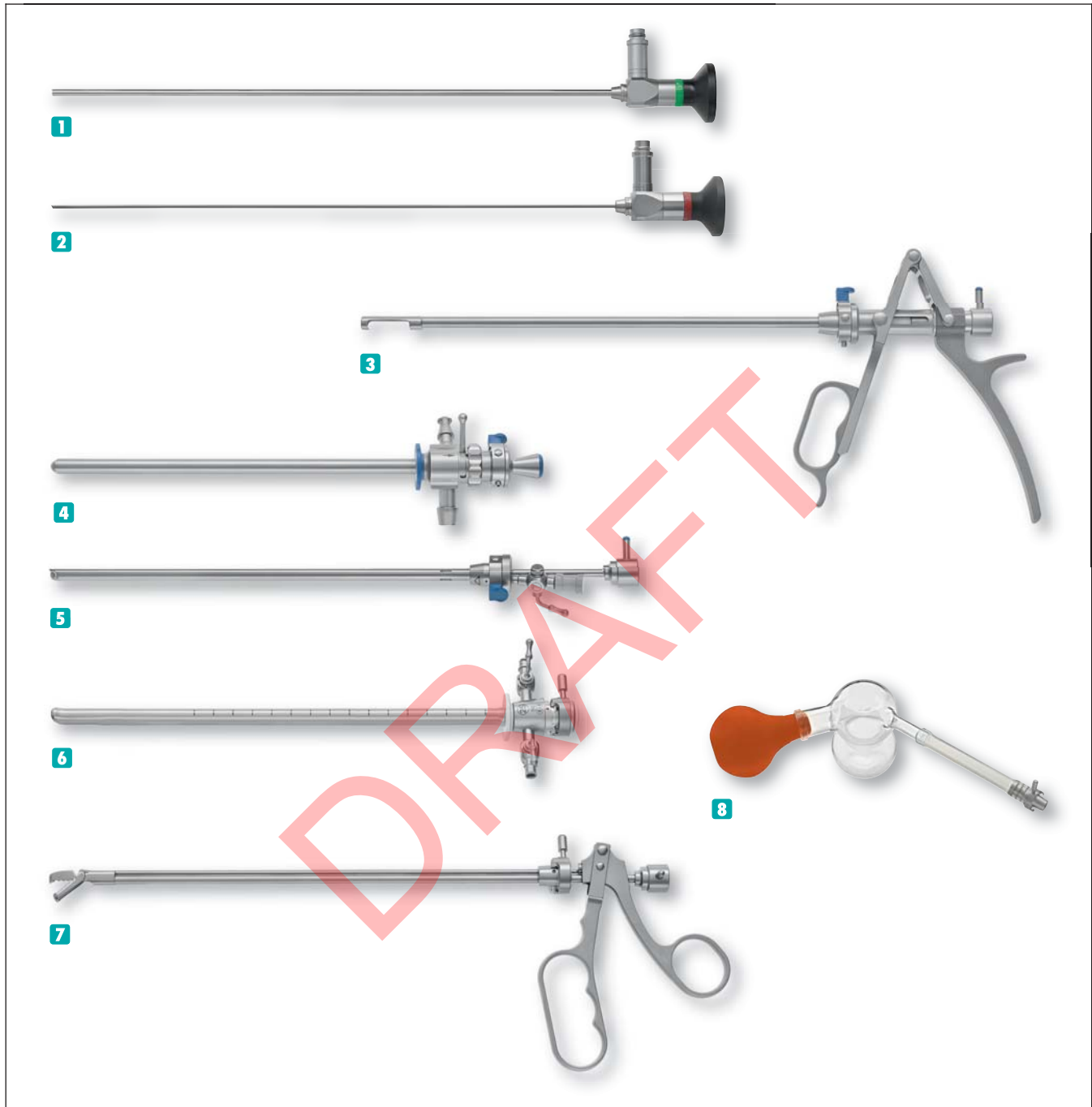
253-900-924



	Article-No.	Description	Page	Qty.
1	253-900-121	Nephroscope, 6° direction of view	91	1 pc.
2	253-900-130	Operating Sheath 26 Charr.	91	1 pc.
3	253-900-135	Hollow Obturator 26 Charr.	91	1 pc.
4	253-900-155	Amplatz metal Dilator Set	92	1 pc.
5	253-900-156	Amplatz metal Dilator 27 Charr.	92	1 pc.
6	253-900-157	Amplatz metal Dilator 30 Charr.	92	1 pc.
7	253-900-201	Puncture Cannula with inner and outer cannula	92	1 pc.
8	253-900-202	Dilation Cannula, Ø 3mm	92	1 pc.
9	253-900-250	Stone Grasping Forceps, fenestrated	94	1 pc.
10	253-900-252	Stone Grasping Forceps, coarse serrated	94	1 pc.

Lithotripsy Set, mechanical

253-900-925



	Article-No.	Description	Page	Qty.
1	253-804-000	RZ Cystoscope 4.0mm Ø, 0° direction of view	17	1 pc.
2	253-804-030	RZ Cystoscope 4.0mm Ø, 30° direction of view	17	1 pc.
3	253-755-010	Mauermayer Stone Punch	65	1 pc.
4	253-755-020	Punch Sheath with Central Valve, 24 Charr.	65	1 pc.
5	253-755-030	Visual Obturator with 7 Charr. working channel	65	1 pc.
6	253-300-025	Cysto-Urethroscope Sheath 25 Charr.	18	1 pc.
7	253-760-000	Stone Crushing Forceps for small stones, single action	67	1 pc.
8	253-500-000	Elik Evacuator with turn lock connection	102	1 pc.

Lithotripsy Set, electro-pneumatic

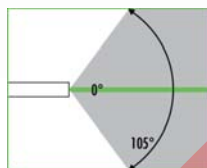
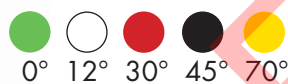
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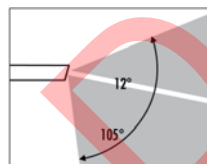
	Article-No.	Description	Page	Qty.
1	253-750-100	L 100 Lithotripter	122	1 pc.
2	253-750-150	Pneumatic Footswitch	122	1 pc.
3	253-750-200	Hand piece, anodised	122	1 pc.
4	253-850-006	Litho Probe, 0.6mm	122	2 pcs.
5	253-850-008	Litho Probe, 0.8mm	122	2 pcs.
6	253-850-010	Litho Probe, 1.0mm	122	2 pcs.
7	253-850-012	Litho Probe, 1.2mm	122	2 pcs.
8	253-850-016	Litho Probe, 1.6mm	122	2 pcs.
9	253-850-020	Litho Probe, 2.0mm	122	2 pcs.



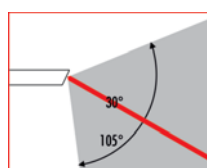
- Colour coded rings identify the „direction of view“
- Eyepiece for C-mount connection
- 3-step light post adapters to connect the most common light cables directly to the endoscope
- Sapphire glasses ensure highest stability against damages on the lens system
- Optimized glass fibre arrangements ensure an uniform image brightness of highest quality
- High definition pictures with increased detail-resolution through newest CAD-designed rod-lens systems
- Fully Autoclavable at 134°C and 2.3bar



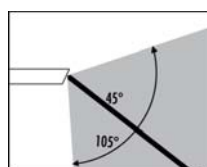
253-804-000 ★ RZ Cystoscope 4.0mm Ø, 0° direction of view



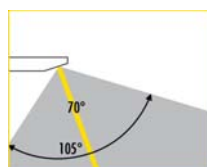
253-804-012 ★ RZ Cystoscope 4.0mm Ø, 12° direction of view



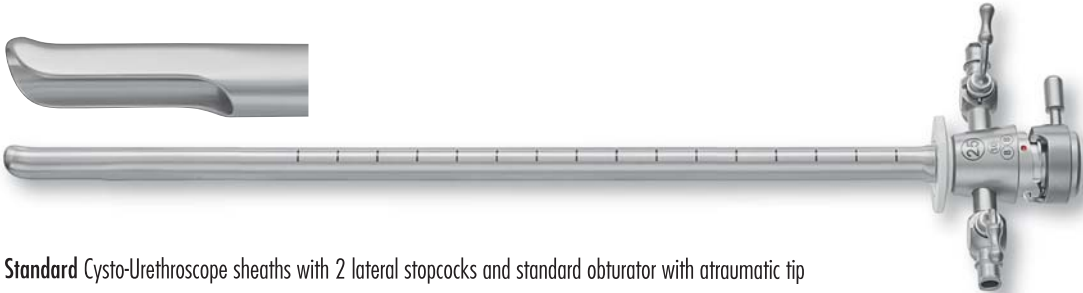
253-804-030 ★ RZ Cystoscope 4.0mm Ø, 30° direction of view



253-804-045 ★ RZ Cystoscope 4.0mm Ø, 45° direction of view

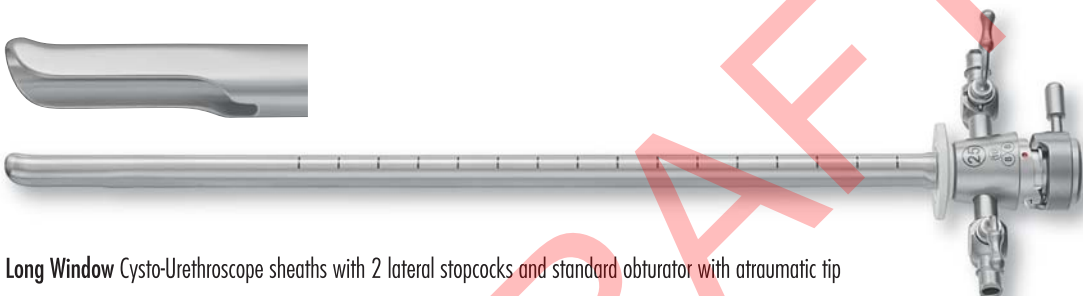


253-804-070 ★ RZ Cystoscope 4.0mm Ø, 70° direction of view



Standard Cysto-Urethroscope sheaths with 2 lateral stopcocks and standard obturator with atraumatic tip

- 253-300-017★ Cysto-Urethroscope Sheath 17 Charr. ●
- 253-300-019★ Cysto-Urethroscope Sheath 19 Charr. ●
- 253-300-020★ Cysto-Urethroscope Sheath 20 Charr. ●
- 253-300-022★ Cysto-Urethroscope Sheath 22 Charr. ●
- 253-300-025★ Cysto-Urethroscope Sheath 25 Charr. ○



Long Window Cysto-Urethroscope sheaths with 2 lateral stopcocks and standard obturator with atraumatic tip

- 253-300-119 Cysto-Urethroscope Sheath 19 Charr. ●
- 253-300-120 Cysto-Urethroscope Sheath 20 Charr. ●
- 253-300-122 Cysto-Urethroscope Sheath 22 Charr. ●
- 253-300-125 Cysto-Urethroscope Sheath 25 Charr. ○



Central Valve Cysto-Urethroscope sheaths with 2 stopcocks and central valve
Sheaths with standard obturator and atraumatic tip

- 253-310-017 Cysto-Urethroscope Sheath 17 Charr. ●
- 253-310-019 Cysto-Urethroscope Sheath 19 Charr. ●
- 253-310-020 Cysto-Urethroscope Sheath 20 Charr. ●
- 253-310-022 Cysto-Urethroscope Sheath 22 Charr. ●
- 253-310-025 Cysto-Urethroscope Sheath 25 Charr. ○

Central valve for easy regulation
of suction and irrigation





Standard Obturators with atraumatic tip and locking mechanism to fit all RZ Cysto-Urethroscope sheaths

- 253-000-117 Obturator 17 Charr. ●
- 253-000-119 Obturator 19 Charr. ●
- 253-000-120 Obturator 20 Charr. ●
- 253-000-122 Obturator 22 Charr. ●
- 253-000-125 Obturator 25 Charr. ○



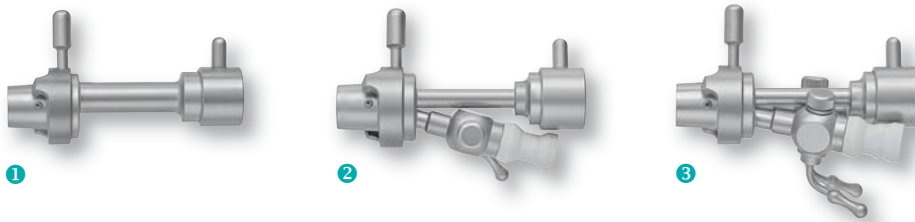
Visual Obturators with telescope locking mechanism to fit all 4mm RZ cystoscopes to insert the Cysto-Urethroscope sheaths under vision

- 253-000-217 Obturator 17 Charr. ●
- 253-000-219 Obturator 19 Charr. ●
- 253-000-220 Obturator 20 Charr. ●
- 253-000-222 Obturator 22 Charr. ●
- 253-000-225 Obturator 25 Charr. ○



253-315-000

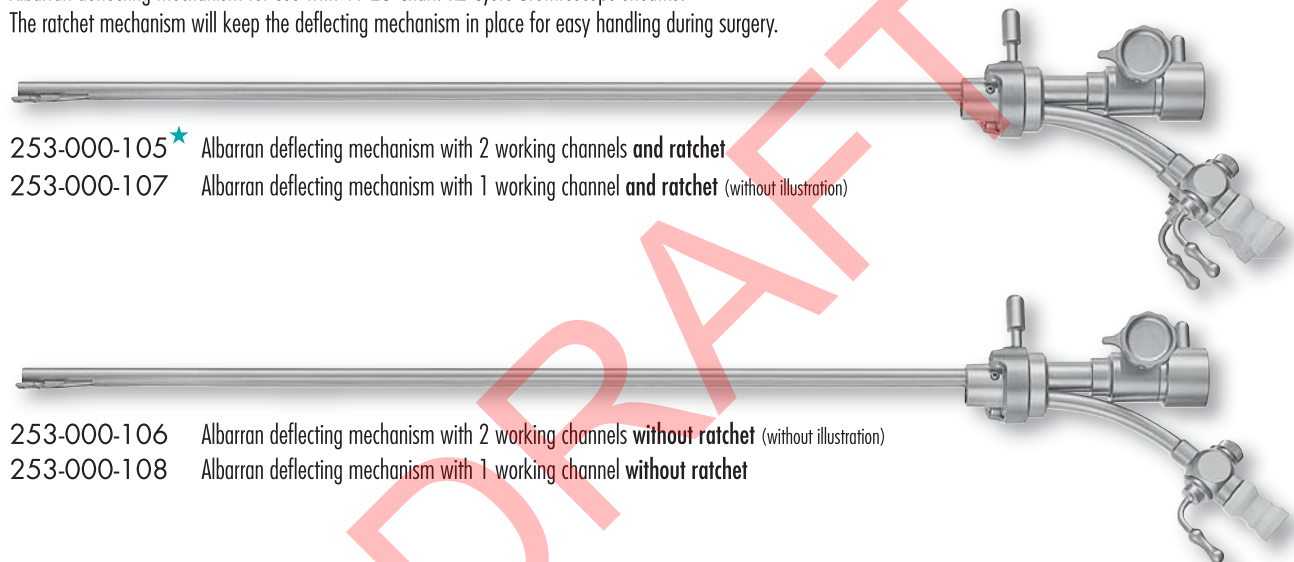
Hamada Cystoscope Adapter for use with RZ Cystoscope Sheath on the female urethra



Cystoscope Bridge for all RZ Cysto-Urethroscope sheaths. Main feature: flat insertion angle for use of semi-rigid instruments and lithotripter probes.

- ❶ 253-000-100★ Bridge without channel
- ❷ 253-000-101★ Bridge with 1 channel for 1 instrument with max. 12 Charr.
- ❸ 253-000-102★ Bridge with 2 channels for 1 instrument with max. 12 Charr. or 2 instruments with max. 8 Charr.

Albarran deflecting mechanism for use with 19-25 Charr. RZ Cysto-Urethroscope sheaths. The ratchet mechanism will keep the deflecting mechanism in place for easy handling during surgery.

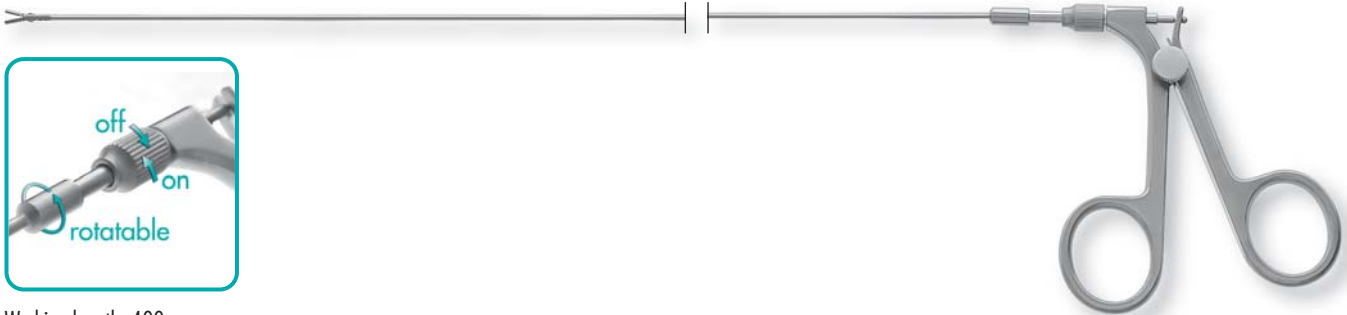


- 253-000-105★ Albarran deflecting mechanism with 2 working channels **and ratchet**
- 253-000-107 Albarran deflecting mechanism with 1 working channel **and ratchet** (without illustration)

- 253-000-106 Albarran deflecting mechanism with 2 working channels **without ratchet** (without illustration)
- 253-000-108 Albarran deflecting mechanism with 1 working channel **without ratchet**

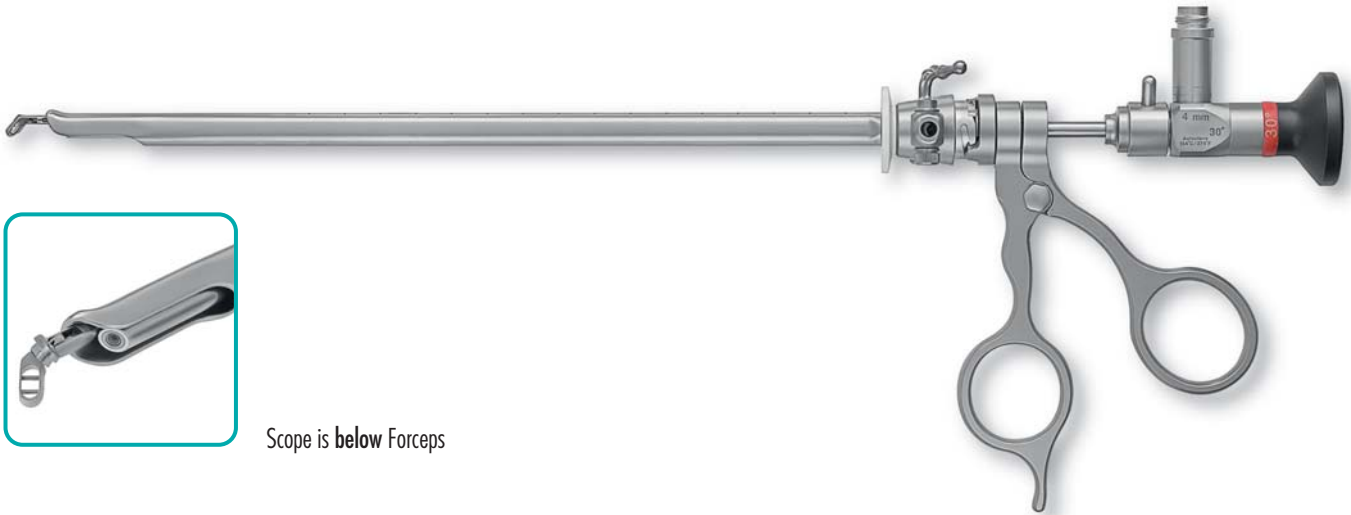
Spread sheet for Sheath - Instrument combinations

Cysto-Urethroscope Sheath	Colour	with Albarran	with bridge
25 Charr.	○	1 x 10 Charr. 2 x 8 Charr.	1 x 12 Charr. 2 x 8 Charr.
22 Charr.	●	1 x 9 Charr. 2 x 6 Charr.	1 x 10 Charr. 2 x 7 Charr.
20 Charr	●	1 x 6 Charr 2 x 5 Charr.	1 x 7 Charr. 2 x 6 Charr.
19 Charr	●	1 x 5 Charr 2 x 4 Charr.	1 x 6 Charr. 2 x 5 Charr.
17 Charr	●	-	1 x 5 Charr.



Working length: 400mm
Rotatable and detachable for optimum setup during surgery.

	Flexible	Semi rigid
 Grasping Forceps, serrated jaws, double action	351-114-105★ 5 Charr.	351-114-305 5 Charr.
	351-114-107★ 7 Charr.	351-114-307 7 Charr.
	351-114-109 9 Charr.	
 Biopsy Forceps, oval cup, double action	351-120-105★ 5 Charr.	351-114-305 5 Charr.
	351-120-107★ 7 Charr.	351-114-307 7 Charr.
	351-120-109 9 Charr.	
 Serrated Biopsy Forceps 7 Charr., oval cup with aggressive serration, double action	351-124-107 7 Charr.	351-124-307 7 Charr.
 Scissors, single action	351-100-105★ 5 Charr.	351-100-305 5 Charr.
	351-100-107 7 Charr.	351-100-307 7 Charr.
	351-100-109 9 Charr.	
 DJ Forceps, double action	351-107-107 7 Charr. 351-107-109 9 Charr.	351-107-307 7 Charr.



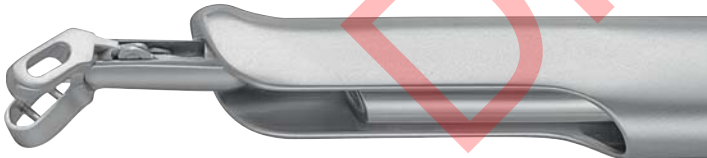
Scope is **below** Forceps



253-420-100 ★ Spoon Biopsy Forceps with round cup, double action



253-421-100 Grasping Forceps with serrated jaws, double action



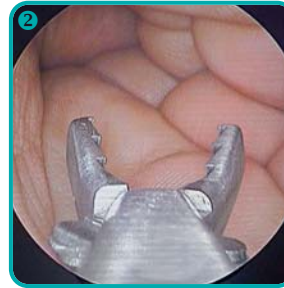
253-422-100 Biopsy Punch Forceps, thru-cutting, double action



253-423-100 Scissors, hook type blades, double action



Scope is **above** Forceps



Comparison: field of view
 ① Scope is **below** Forceps
 ② Scope is **above** Forceps

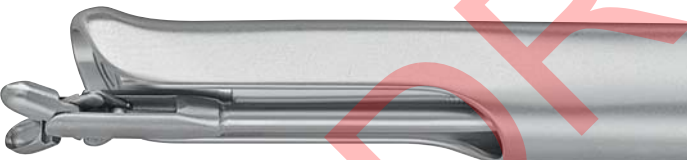
Original picture with
 0° RZ Cystoscope



253-426-100★ Mini Biopsy forceps with oval cup, double action for use with 4mm, 30° cystoscope



253-431-100★ Biopsy forceps with large oval cup, double action for use with 4mm, 30° cystoscope



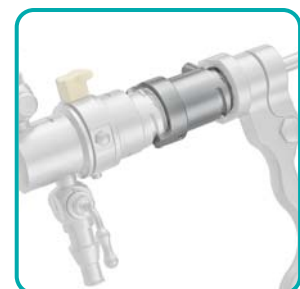
253-425-100 Biopsy forceps with mini oval cup, double action for use with 4mm, 70° cystoscope



253-427-100★ Stent Grasping forceps with serrated jaws, double action jaws for removal of stents



253-429-100★ Adapter for use of optical forceps with resectoscope sheaths





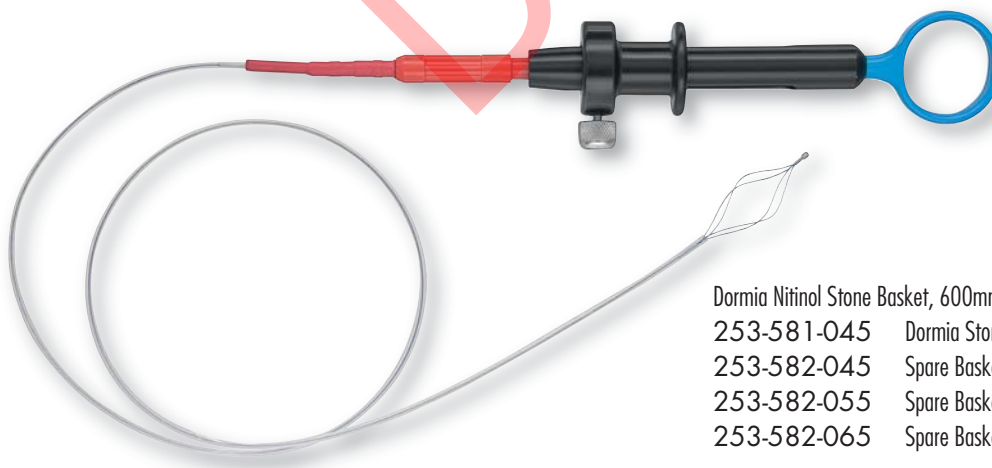
253-940-005

3-Prongs Grasper, flexible, 600mm working length, 5 Charr.



253-585-005

Dormia Metal Stone Basket, flexible, 4 wires, 600mm working length, 5 Charr.



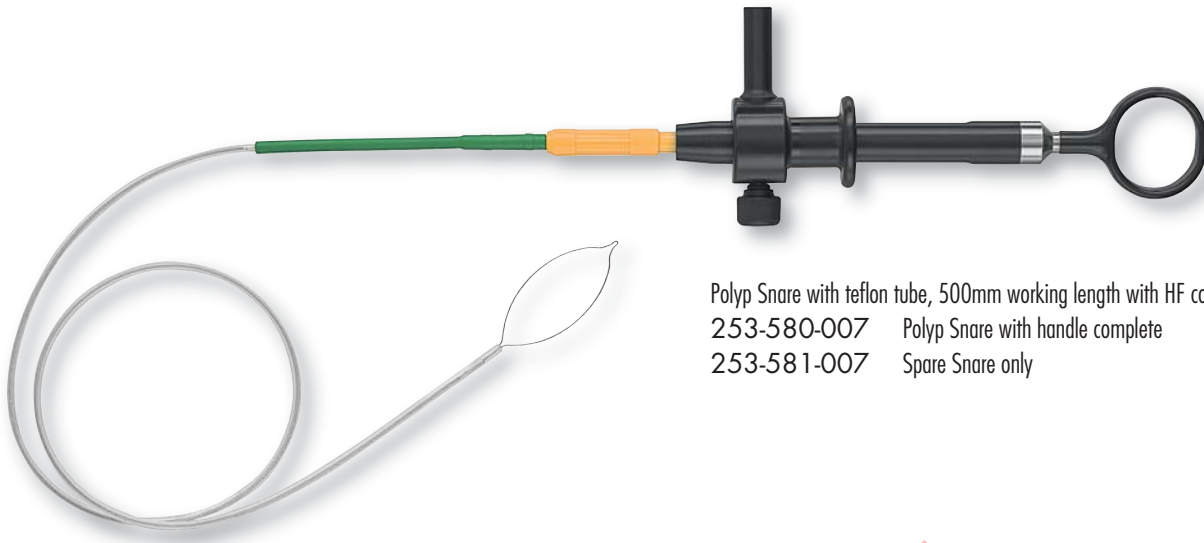
Dormia Nitinol Stone Basket, 600mm working length, 5 Charr.,

253-581-045 Dormia Stone Basket with 4 wires, complete with handle

253-582-045 Spare Basket only, 4 wires

253-582-055 Spare Basket only, 5 wires

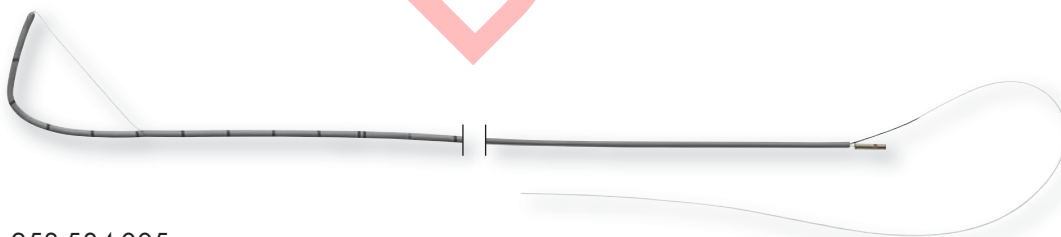
253-582-065 Spare Basket only, 6 wires



Polyp Snare with teflon tube, 500mm working length with HF connection, 7 Charr.
 253-580-007 Polyp Snare with handle complete
 253-581-007 Spare Snare only

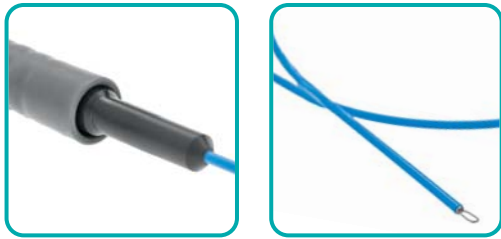


253-583-006
 Injection cannula with teflon tube, 500mm working length, 6 Charr.



253-584-005
 Zeiss Loop Catheter, package with 5 pieces, sterile, single use, 5 Charr.





Ball Electrode 530mm working length

 253-370-003 3 Charr.

 253-370-007 7 Charr.

 253-370-005[★] 5 Charr.

 253-370-010 10 Charr.

Needle Electrode 530mm working length



253-371-003 3 Charr.

253-371-005 5 Charr.

253-371-007 7 Charr.

Loop Electrode 530mm working length

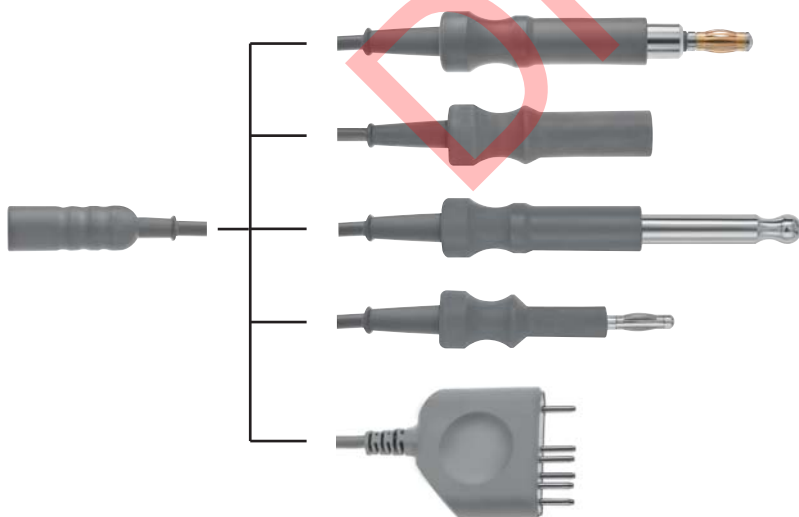


253-372-005 5 Charr.

253-372-007 7 Charr.

253-372-010 10 Charr.

Monopolar High Frequency cables for use with RZ Urology Electrodes, 4.5m length



253-610-001[★] with 5 mm plug for Erbe HF-unit

253-610-002[★] with 4 mm plug for Martin HF-unit

253-610-003[★] with 8 mm plug for Valleylab HF-unit

253-610-004[★] with 4 mm plug for older HF-units

253-501-454[★] SDS plug (Urology coded)

Injection Set

Set for transurethral injection of viscous liquids



Cystoscope, $\varnothing$ 4mm, 300mm working length, overall length: 355mm

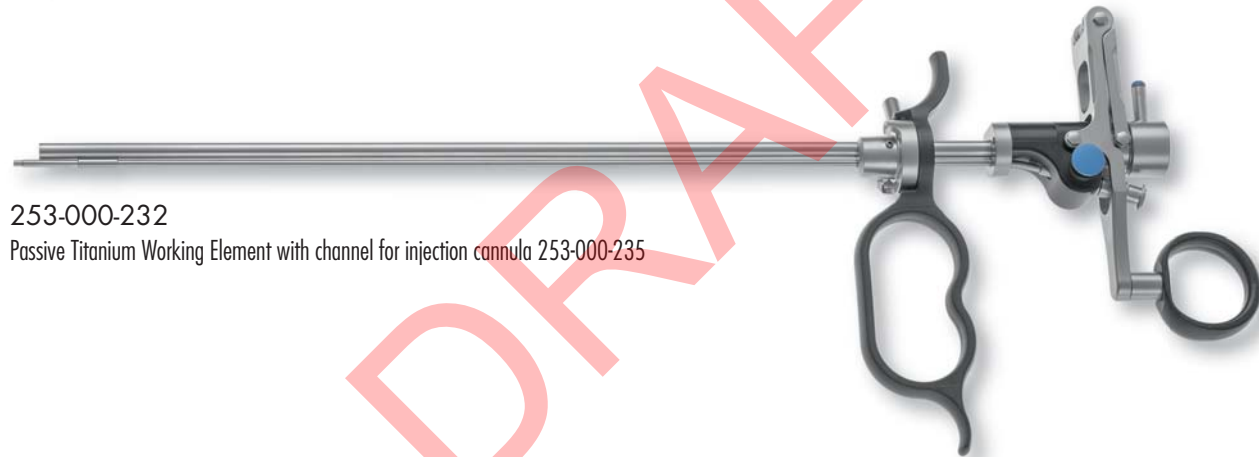
253-804-030 30° direction of view

253-804-012 12° direction of view



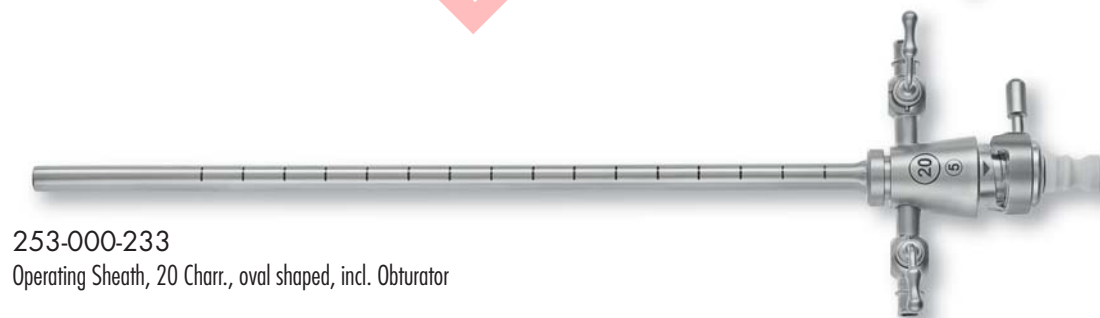
253-000-232

Passive Titanium Working Element with channel for injection cannula 253-000-235



253-000-233

Operating Sheath, 20 Charr., oval shaped, incl. Obturator



253-000-235

Injection Cannula, semi-rigid, 4Charr.

distal end 2Charr., with rotatable LuerLock adapter





253-585-005

Dormia Metal Stone Basket, flexible, 4 wires, 600mm working length, 5 Charr.



253-940-005

3-Prongs Grasper, flexible, 600mm working length, 5 Charr.



253-370-103

Flexible Ball Electrode, 3 Charr., 115cm working length



253-958-105

Flexible Grasping Forceps, serrated jaw, double action, 5 Charr., 73cm



253-957-105

Flexible Biopsy Forceps, double action, 5 Charr., 73cm



253-961-103

Cleaning Brush, flexible, 3mm diameter, 100mm length, for use in 2.0 - 2.6mm working channels



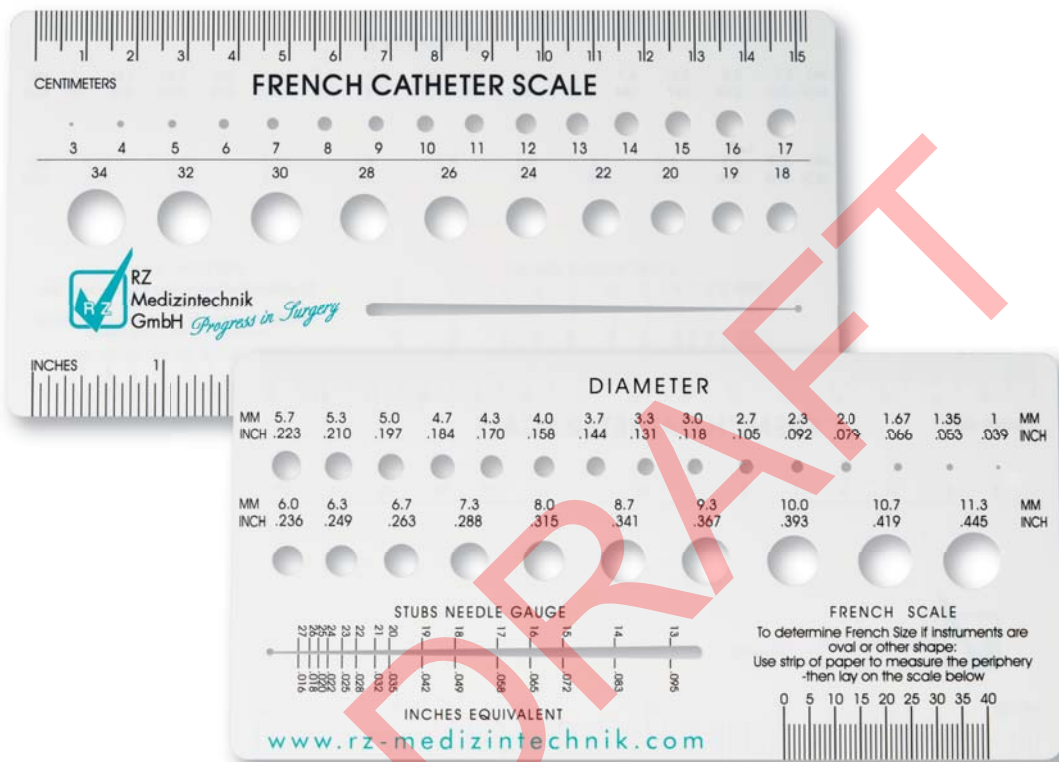
301-701-100★

Grey rubber cap for use on
all working channels



300-215-000

Cleaning Brush, 13mm $\varnothing$, 60mm brush length, 230mm overall length



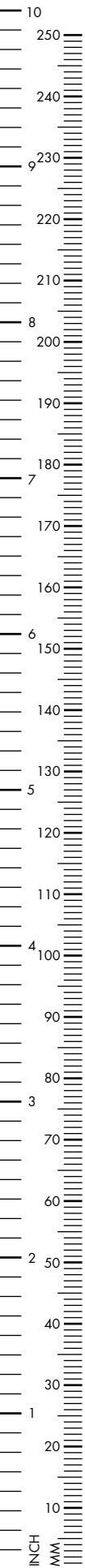
253-990-800

French Catheter Scale



CYSTOSCOPY

Notes

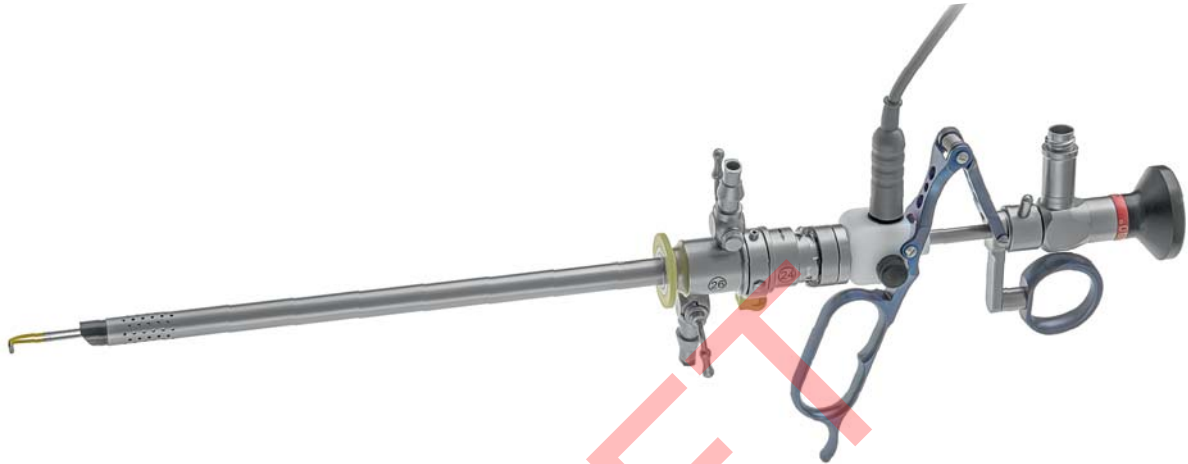


DRAFT



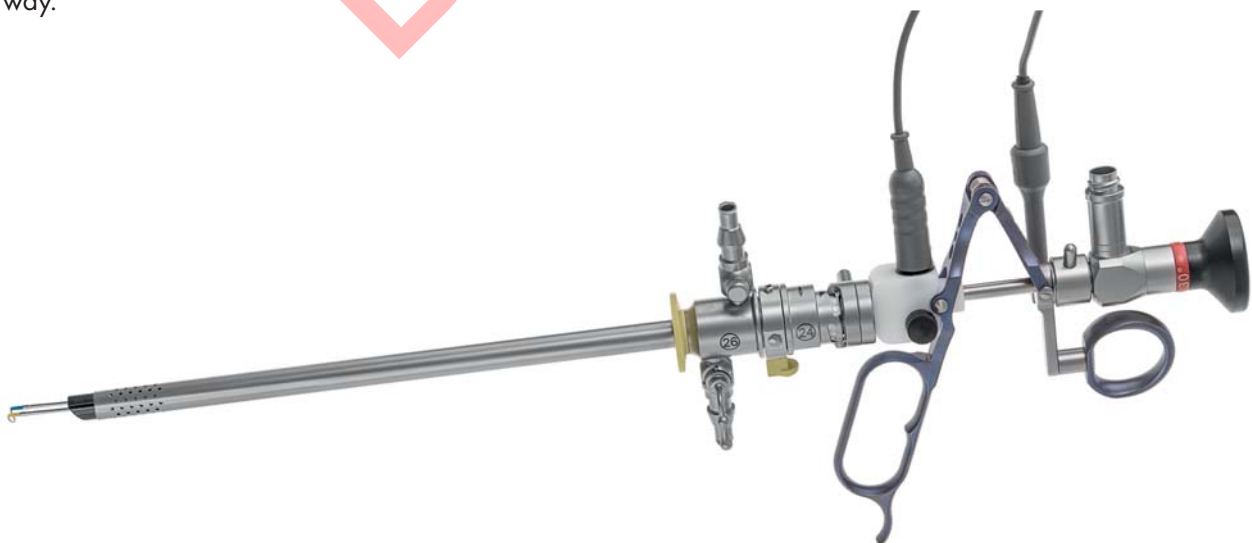
MONOPOLAR

By providing the monopolar resectoscopes, RZ fulfills the traditional and most common way to perform urological resectoscopies. This technique is used with Glycine/Sorbitol irrigation fluid. Due to some disadvantages like the TUR-syndrome and the upcoming and growing use of the bipolar system, a few surgeons and clinics have to deal with various instruments for use either in the monopolar or in the bipolar way.



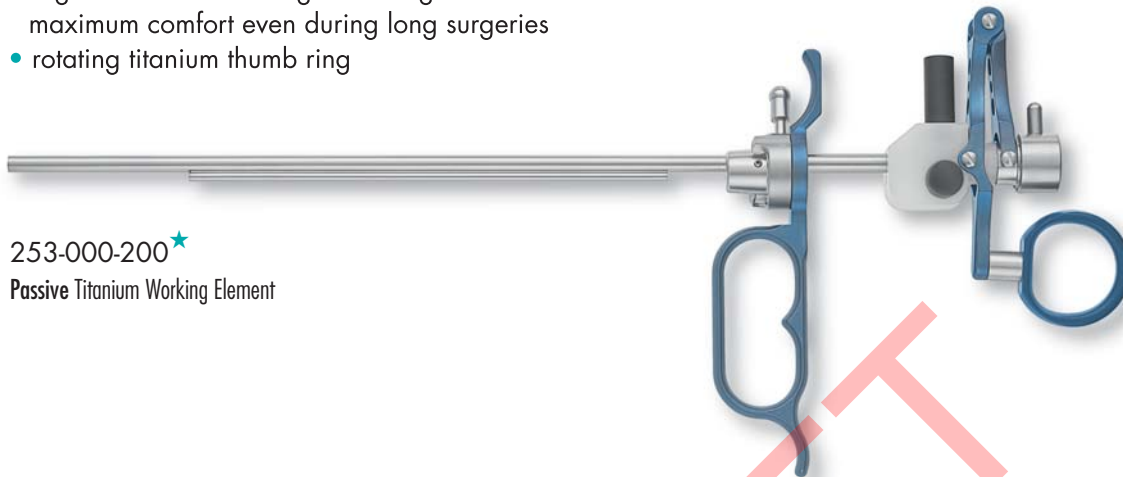
HYBRID

With the RZ HYBRID Resectoscope we present the latest and unique technology which enables to work with only one instrument set but can be used in the monopolar as well as in the bipolar way. The surgeon just needs to change the cable, the irrigation fluid and connect the neutral electrode for changing from the bipolar to the monopolar mode. The Resectoscope as well as the electrodes can be used in an hybrid way. As irrigation fluid Glycine/Sorbitol is used in the monopolar way and NaCl-Solution in the bipolar way.



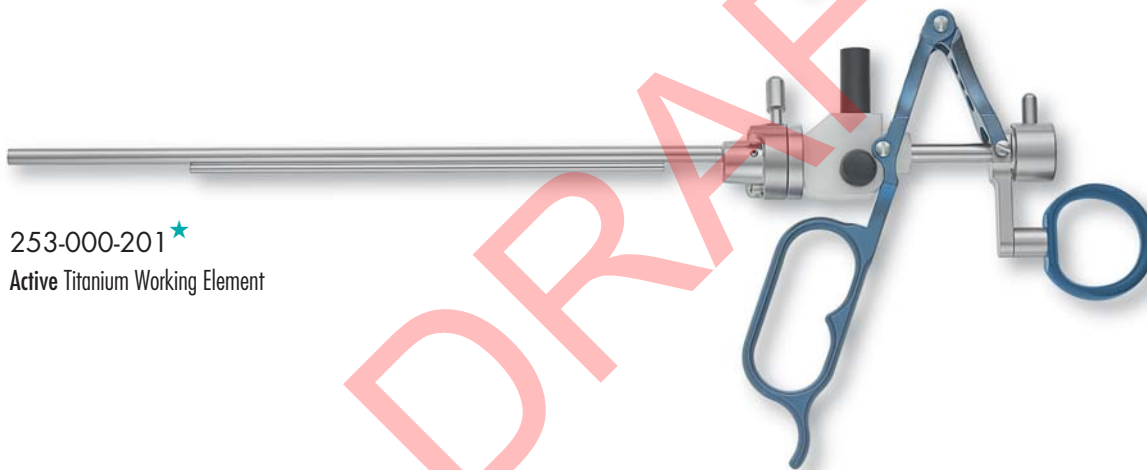
RZ MONOPOLAR working elements features

- lightweight and unique design for maximum comfort during long surgeries
- titanium handle parts
- sealed locking mechanism
- ergonomic handle design with finger rest for maximum comfort even during long surgeries
- rotating titanium thumb ring



253-000-200★

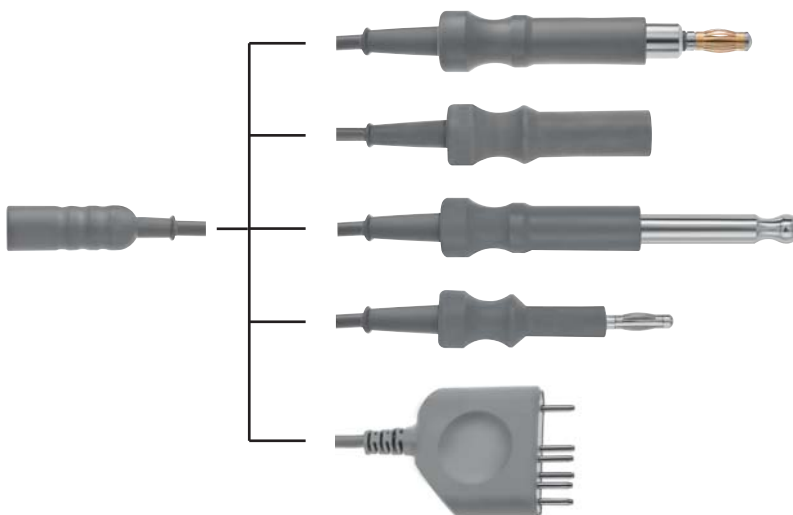
Passive Titanium Working Element



253-000-201★

Active Titanium Working Element

Monopolar High Frequency cables for use with RZ Resectoscopes, 4.5m length



253-610-001★ with 5 mm plug for Erbe HF-unit

253-610-002★ with 4 mm plug for Martin HF-unit

253-610-003★ with 8 mm plug for Valleylab HF-unit

253-610-004★ with 4 mm plug for older HF-units

700-501-453★ SDS plug (Urology coded)
for use with RZ HF Units

RZ Cutting Loops are made of a standard wire diameter of $\varnothing$ 0.35 mm.
Different wire diameters are available on demand.
Electrodes and Curette with 1 guide stem and stabilizer.

	Colour	24 Charr.	27 Charr.
		253-300-201★	253-300-301
		253-300-222	—
		253-300-202	253-300-302
		253-300-203★	253-300-303
		253-300-204	253-300-304
		253-300-205★	253-300-305
		253-300-206★	253-300-306
		253-300-207	253-300-307
		253-300-208	253-300-308
		253-300-210	253-300-310
		253-300-209	253-300-309

	Colour	24 Charr. 	27 Charr. 
		253-300-212	253-300-312
		253-300-211	253-300-311
		253-300-213	—
		253-300-214	—
		253-300-215	—
		253-300-218	—
		253-300-220	—
		253-300-219	—



Sterile Electrodes are ETO sterilized to eliminate infections and contaminations. Our disposables ensure the best possible working features for each operation.

Sales unit: package with 6 pieces, each individually sterile packed.

Sterile disposable TUR Electrodes fitting the RZ system. Continuous good cutting & coagulation performance.

	Color	24 Charr.	27 Charr.
		24 Charr.	27 Charr.
Cutting Loop, angled, for 12°/30° telescope		253-300-201S★	253-300-301S
		24 Charr.	27 Charr.
Collins knife electrode		253-300-203S★	253-300-303S
		24 Charr.	27 Charr.
Ball electrode, 3mm		253-300-205S★	253-300-305S
		24 Charr.	27 Charr.
Ball electrode, 5mm		253-300-206S★	253-300-306S

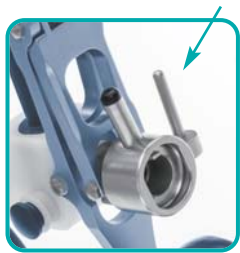
RZ HYBRID working elements features

- lightweight and unique design for maximum comfort during long surgeries
- titanium handle parts
- sealed locking mechanism
- ergonomic handle design with finger rest for maximum comfort even during long surgeries
- rotating titanium thumb ring

HYBRID

253-000-400★

HYBRID **Passive** Titanium Working Element



253-000-401★

HYBRID **Active** Titanium Working Element

Bipolar High Frequency cables for use with RZ Resectoscopes, 4.5m length



RZ / Wolf

253-400-601

253-400-605

253-400-605



Erbe

Martin

SDS Plug/
RZ HF Unit

24 Charr. Electrodes

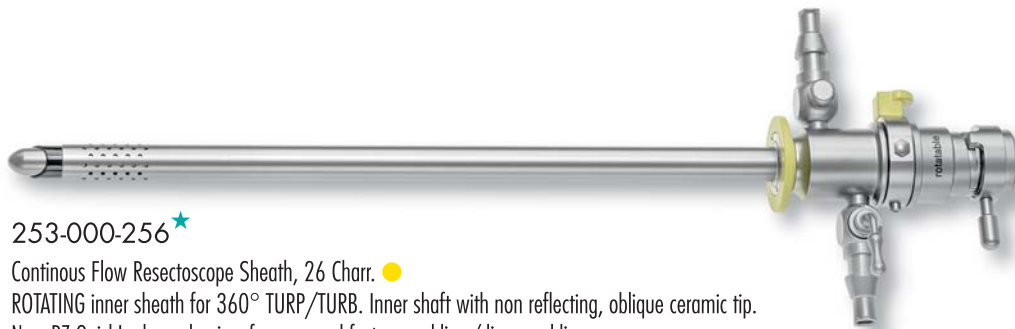
Designed for RZ HF units shown on pages 140-143. Optimized and fitting excellent with RZ HYBRID resection.

		
	Cutting loop, straight, for 0°/12°/30° telescope	253-400-200
	Cutting Loop, angled, for 12°/30° telescope	253-400-201 ★
	Cutting Loop, thick wire, angled, for 12°/30° telescope	253-400-202
	Collins Coagulation Electrode, pointed	253-400-203 ★
	Coagulation Electrode, conical	253-400-204
	Coagulation Electrode, ball shape, Ø 3mm	253-400-205 ★
	Roller-Electrode, Ø 3mm	253-400-211

Mushroom HYBRID Electrodes, 24 Charr.

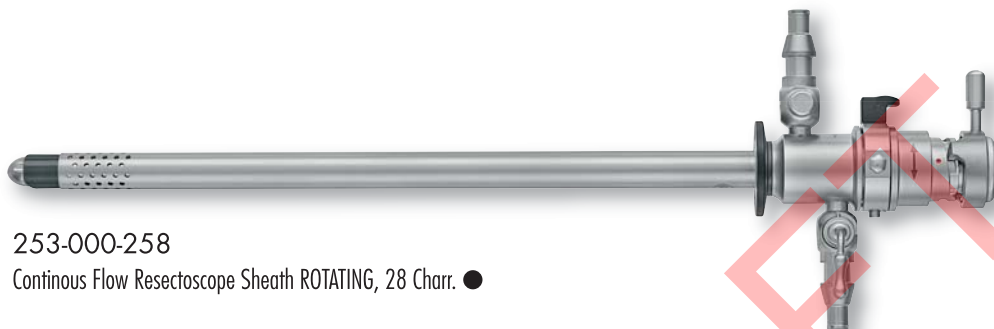
Electrodes create a plasma in NaCl environment and vaporize the tissue. **Attention: only for bipolar use in NaCl!**

	blunt/flat	253-400-701
	blunt with slot, concave	253-400-702
	half-round (convex), Ø 3mm, length 1.9mm	253-400-703
	half-round (convex), Ø 3mm, length 2.5mm	253-400-704



253-000-256★

Continuous Flow Resectoscope Sheath, 26 Charr. ●
ROTATING inner sheath for 360° TURP/TURB. Inner shaft with non reflecting, oblique ceramic tip.
New RZ QuickLock mechanism for easy and fast assembling/disassembling.



253-000-258

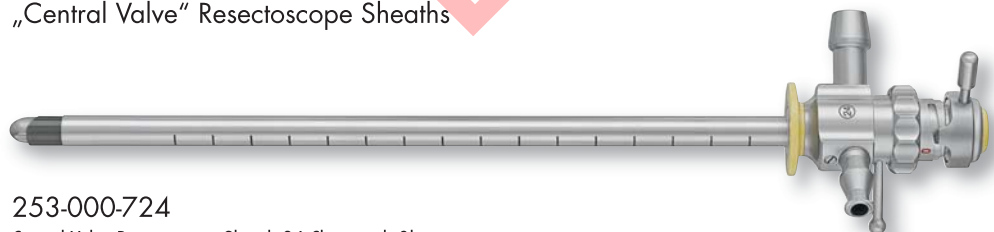
Continuous Flow Resectoscope Sheath ROTATING, 28 Charr. ●



253-000-266 Inner shaft with oblique ceramic tip for 253-000-256 ●

253-000-268 For 253-000-258 ●

„Central Valve“ Resectoscope Sheaths



253-000-724

Central Valve Resectoscope Sheath 24 Charr, with Obturator.
Oblique Ceramic Tip ●



253-000-727

Central Valve Resectoscope Sheath 27 Charr, with Obturator.
Oblique Ceramic Tip ●



253-000-356

Continuous Flow Resectoscope Sheath FIXED, 26 Charr., ● inner sheath with non reflecting, oblique ceramic tip. New RZ QuickLock mechanism for easy and fast assembling/disassembling.

253-000-358

Continuous Flow Resectoscope Sheath FIXED, 28 Charr. ●



253-000-366 Inner shaft with oblique ceramic tip for 253-000-356 ●

253-000-368 For 253-000-358 ●



253-000-524

Resectoscope Sheath 24 Charr. with Obturator.
Oblique Ceramic Tip ●



253-000-527

Resectoscope Sheath 27 Charr. with Obturator.
Oblique Ceramic Tip ●



253-428-500

Adapter for Resectoscope Outer sheaths 253-000-256 and -356
and Ellik or bladder syringes



Standard Obturator

253-000-044 ★ For 24/26 Charr. Resectoscope Sheaths
253-000-047 For 27/28 Charr. Resectoscope Sheaths



Deflecting Obturator

253-000-054 ★ For 24/26 Charr. Resectoscope Sheaths
253-000-057 For 27/28 Charr. Resectoscope Sheaths



Visual Obturator for 4mm RZ Cystoscopes

253-000-084 ★ For 24/26 Charr. Resectoscope Sheaths
253-000-087 For 27/28 Charr. Resectoscope Sheaths



Visual Obturator with 5 Charr. working channel, for 4mm RZ Cystoscopes

253-000-094 ★ For 24/26 Charr. Resectoscope Sheaths
253-000-097 For 27/28 Charr. Resectoscope Sheaths





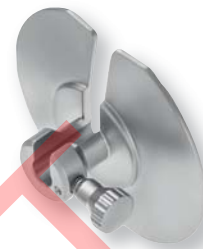
253-400-500
Suprapubic Trocar Set, complete



253-400-501
Trocar sheath, 16 Charr., with pressure channel
with spare silicone sealings



253-400-503
Suprapubic Trocar with pyramidal tip



253-400-502
Suprapubic Trocar Stabilizing Plate, lateral open



253-400-504
Suprapubic Trocar with cannula tip



253-400-505
Aspiration Cannula



253-400-506
Overflow Cannula



253-400-508
Trocar guide sheath, lateral open

HYBRID
HYBRID

26 Charr.

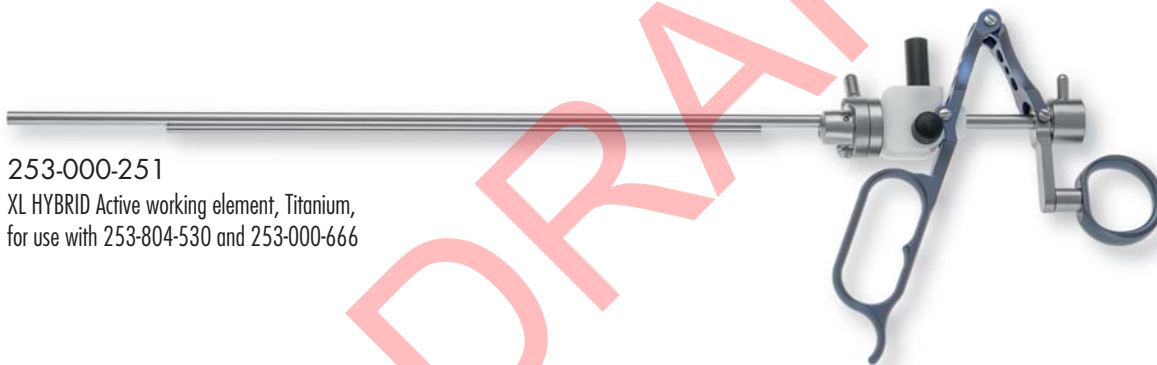


◀ 245mm working length ▶



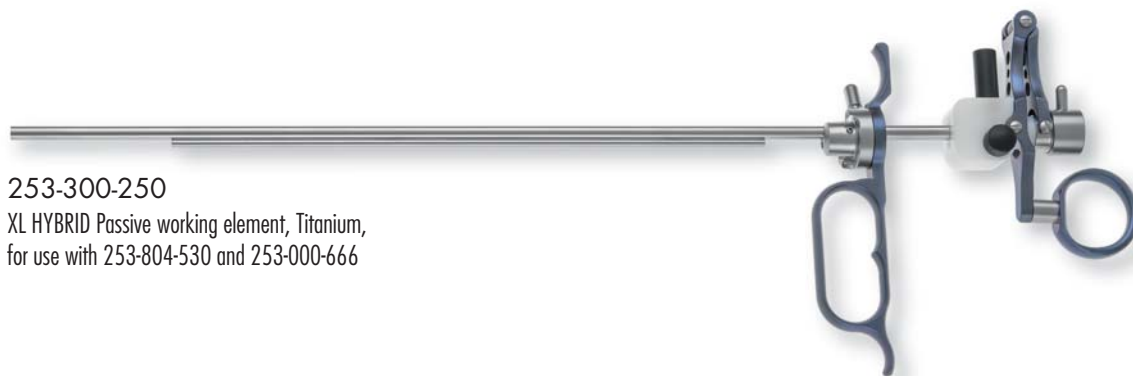
253-804-530

XL Cystoscope, Ø 4mm, 30° direction of view,
365mm length



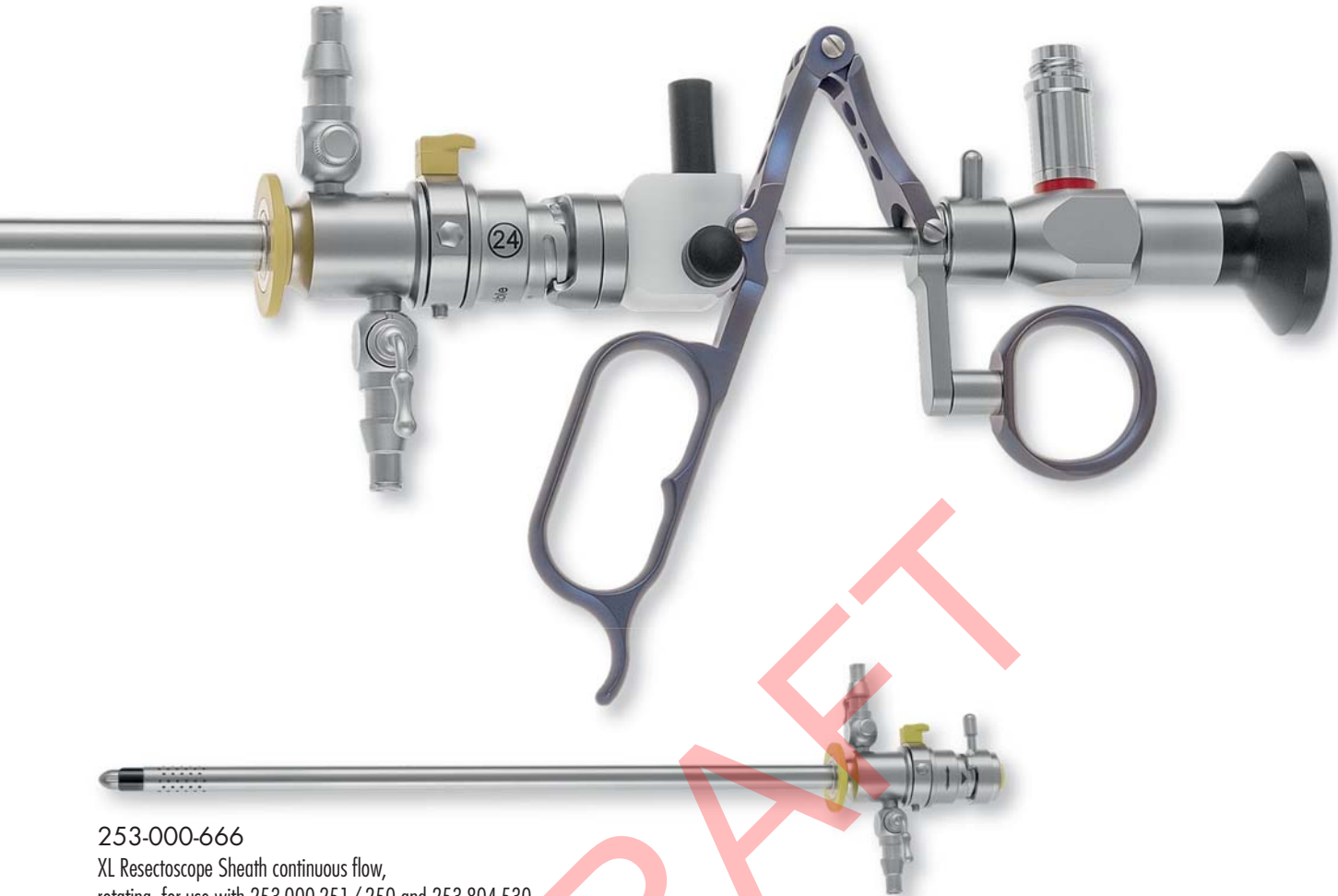
253-000-251

XL HYBRID Active working element, Titanium,
for use with 253-804-530 and 253-000-666



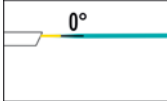
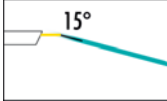
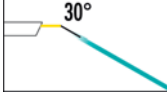
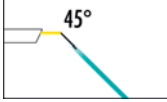
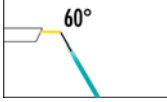
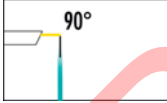
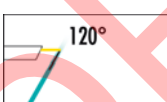
253-300-250

XL HYBRID Passive working element, Titanium,
for use with 253-804-530 and 253-000-666



Suitable monopolar cables can be found on page 32
Suitable bipolar cables can be found on page 36

24 Charr. HYBRID Electrodes XL Electrodes for use with RZ XL Resectoscope

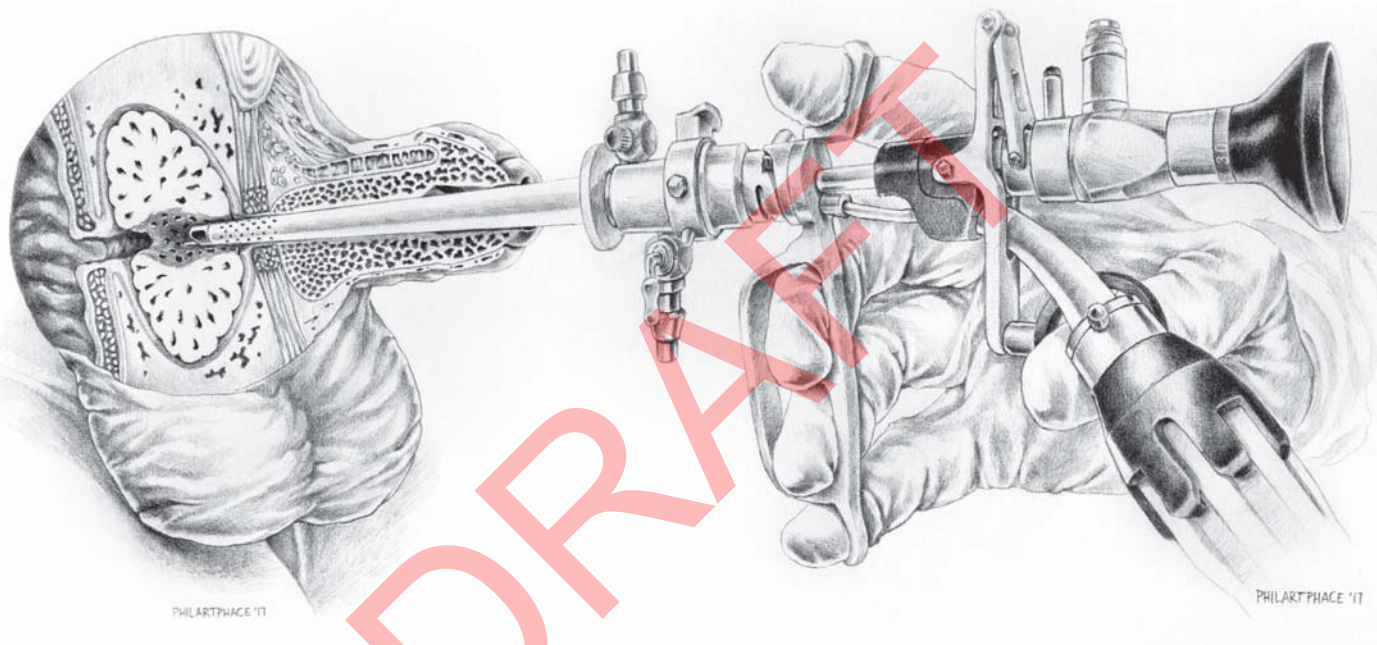
		Cutting Loop, straight	253-300-252
		Cutting Loop, 15° angled	253-300-253
		Cutting Loop, 30° angled	253-300-254
		Cutting Loop, 45° angled	253-300-255
		Cutting Loop, 60° angled	253-300-256
		Cutting Loop, 90° angled	253-300-257
		Cutting Loop, 120° angled	253-300-251
		Roller Electrode	253-300-258
		Knife Electrode	253-300-259

LASER THERAPY



- Photoselective vaporization of the prostate (PVP)
- Holmium laser ablation of the prostate (HoLAP / ThuVAP)
- Diode-Laser / Contact Laser Ablation
- Holmium laser enucleation of the prostate (HoLEP / ThuLEP)

A laser fiber introduced to an endoscopic instrument applies energy that removes tissue. Lasers use concentrated light to generate precise and intense heat to remove e.g. enlarged prostate - known as benign prostatic hyperplasia (BPH).



PVP Pages 48 - 50

A laser (Greenlight) is used to vaporize tissue (melting away).

HoLAP / ThuVAP Pages 48 - 50

Similar to PVP but uses a different type of laser e.g. Holmium Ablation or Thulium Vaporization.

Diode-Laser / Contact Laser Ablation Page 51

Dual laser length waves for ablation in combination with a hemostatic effect. e.g. TWISTER™ or XCAVATOR® procedures.

HoLEP / ThuLEP Pages 52 - 56

A laser is used to cut the tissue. Another instrument is needed to remove the prostate tissue e.g. Holmium enucleation or Thulium enucleation.

SIDE FIRE

Lateral laser emission for PVP, HoLAP or ThuVAP



	Greenlight® Fibers MoXy typical Ø 2.1mm, max. 2.3mm	Lumenis Xpeeda (Duotome) typical Ø 2.5mm	Quanta SideFiber typical Ø 2.22mm (+/- 5%)	Biolitec SideFiber 2100 typical Ø 2.4mm	Biolitec XCAVATOR Glass Tip
Cystoscope Set  253-870-023 253-872-000 (8 Charr. Laser Channel) 253-873-000 253-804-030	+	+	+	+	-
Resection Set  253-000-256 253-874-000 (7 Charr. Laser Channel) 253-804-030	+	-	+	-	+
Resectoscope Set  253-000-256 253-000-310 253-804-030	+	+	+(no fixation)	+(no fixation)	-
Biolitec Set  253-000-311 253-804-030 253-000-656	-	-	-	-	+

+ compatible
- non-compatible

FRONT FIRE

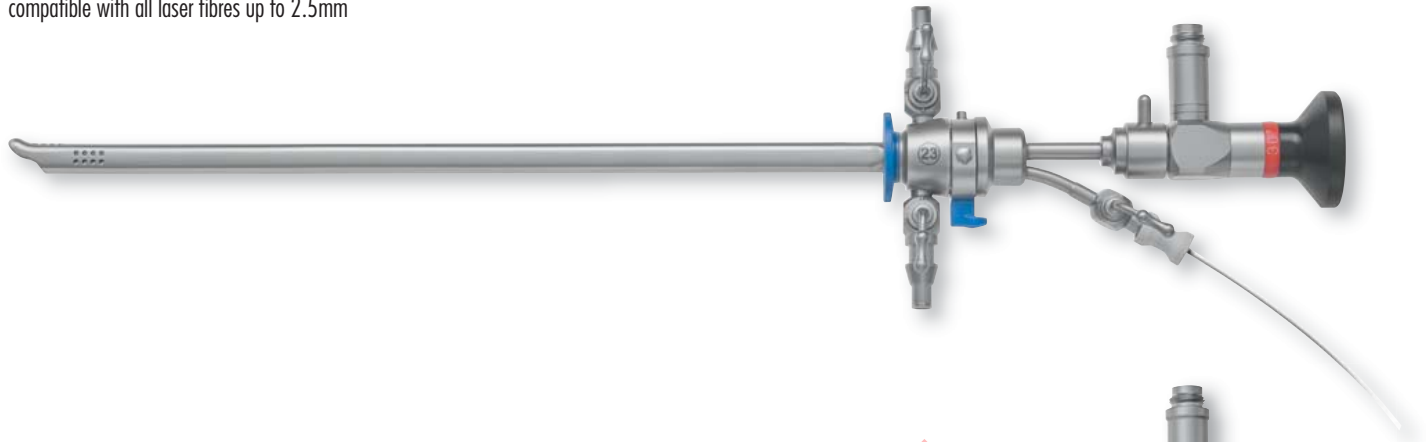
Straight laser emission for HoLEP or ThuLEP



	Lumenis Slimline, EZ, GI up to Ø 1.2mm, (3.6 Charr.)	Lisa Laser RigiFib-SV	Quanta Laser CyberTM	Boston Scientific AccuMax
Resectoscope Set 24Charr.  253-000-300 or 253-000-312 253-000-301 or 253-000-302 300-011-184 (Ø 0.6 - 1.4 mm) 253-000-256 253-804-030 (Ø 4mm Endoscope)	+	+	+	+
Resectoscope Set 24Charr. detachable  253-000-305 253-000-320 or 253-000-333 253-000-301 or 253-000-302 300-011-184 (Ø 0.6 - 1.4mm) 253-000-256 253-804-030 (Ø 4mm Endoscope)	+	+	+	+
Resectoscope Set 22Charr.  253-000-316 or 253-000-319 253-000-301 or 253-000-302 300-011-184 (Ø 0.6 - 1.4 mm) 253-000-352 351-829-030 (Ø 2.9mm Endoscope)	+	+	+	+
Resectoscope Set 18.5Charr.  253-000-315 or 253-000-318 253-000-301 or 253-000-302 300-011-184 (Ø 0.6 - 1.4 mm) 351-000-185 351-829-030	+	+	+	+
Morcellation Set  253-000-256 253-428-100 253-900-121	+	+	+	+

Universal Laser Cystoscope

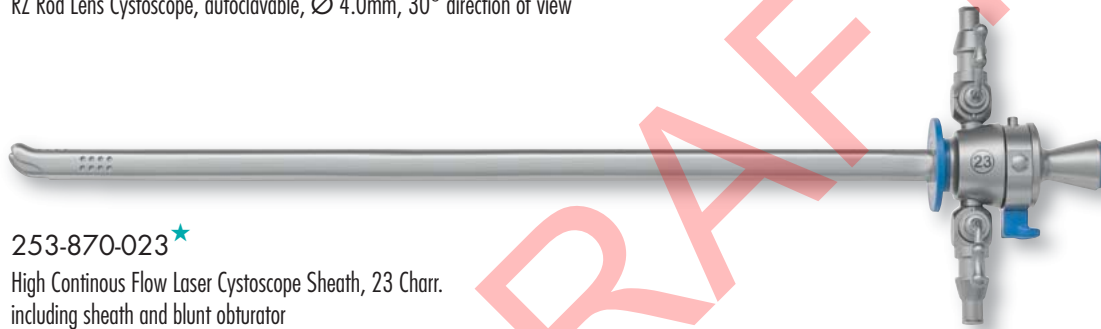
mainly used for *PVP, HoLAP or ThuVAP*
compatible with all laser fibres up to 2.5mm



253-804-030
RZ Rod Lens Cystoscope, autoclavable, Ø 4.0mm, 30° direction of view



253-870-023★
High Continuous Flow Laser Cystoscope Sheath, 23 Charr.
including sheath and blunt obturator



253-872-000★
Telescope bridge and laser guide with 1 working channel
for 8 Charr. laser fibers and instruments

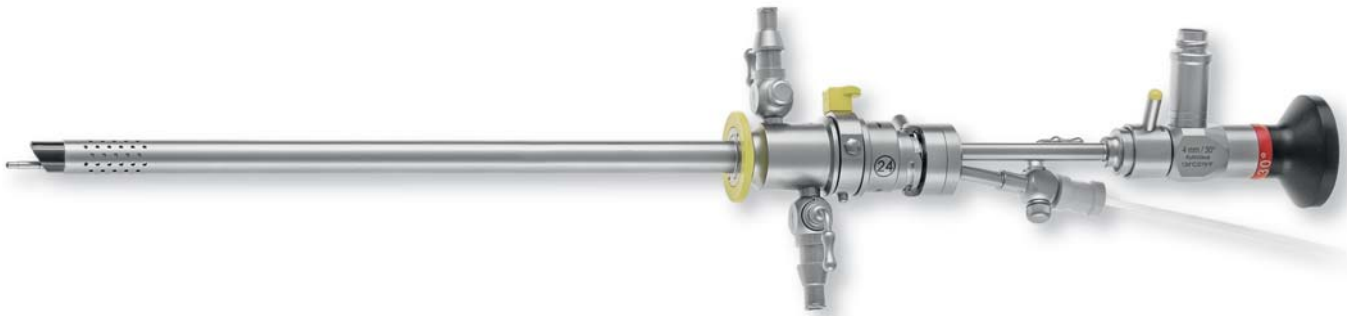


253-873-000
Visual Obturator for easy insertion of the sheath
into the urethra and bladder



Laser Resection

for *PVP, HoLAP or ThuVAP*



253-804-030

RZ Rod Lens Cystoscope, autoclavable, Ø 4.0mm, 30° direction of view



253-000-256

Continuous Flow Resectoscope Sheath, 26 Charr.

ROTATING inner sheath for 360° TURP/TURB.

Inner shaft with non-reflecting, oblique ceramic tip.

New RZ QuickLock mechanism for easy and fast assembling/disassembling.



253-874-000

Laser Working Insert with 7 Charr. working channel,
for 24/26 Charr. sheaths and 4mm telescope



Laser Resection

for *PVP, HoLAP or ThuVAP*



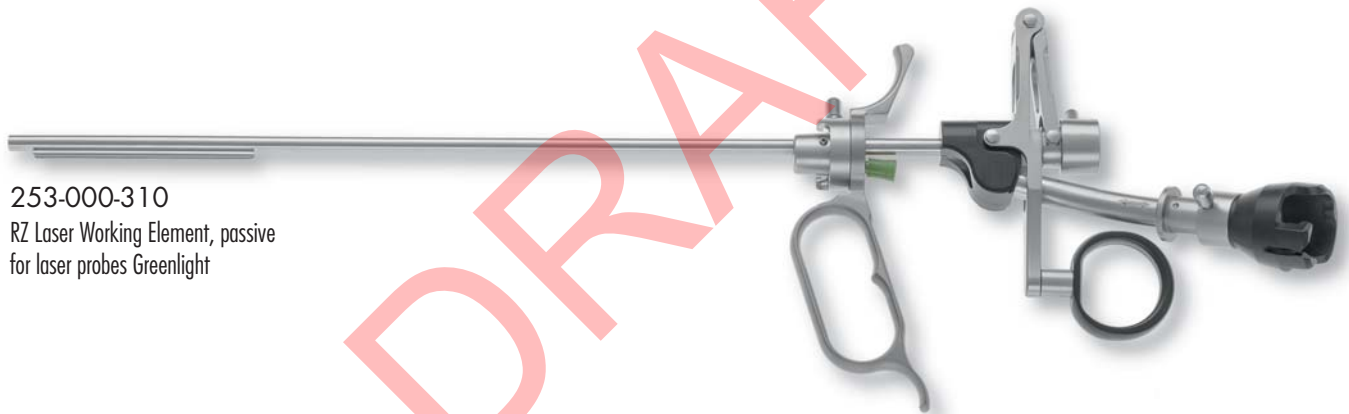
253-804-030

RZ Rod Lens Cystoscope, autoclavable, Ø 4.0mm, 30° direction of view



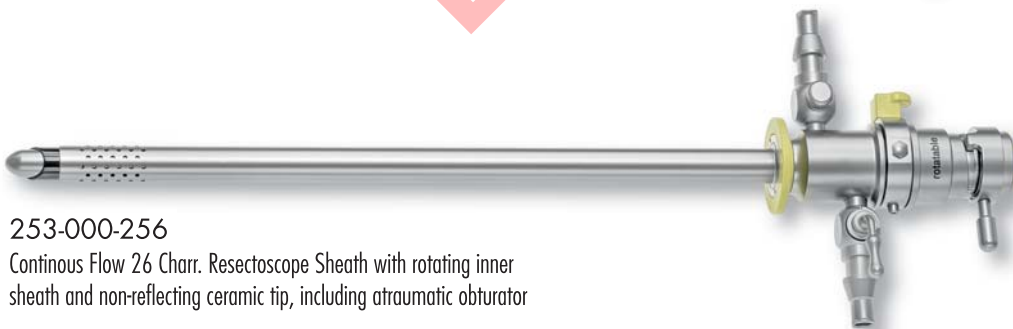
253-000-310

RZ Laser Working Element, passive
for laser probes Greenlight



253-000-256

Continuous Flow 26 Charr. Resectoscope Sheath with rotating inner
sheath and non-reflecting ceramic tip, including atraumatic obturator



Laser Resection

for *Biolitec Xcavator / Twister*



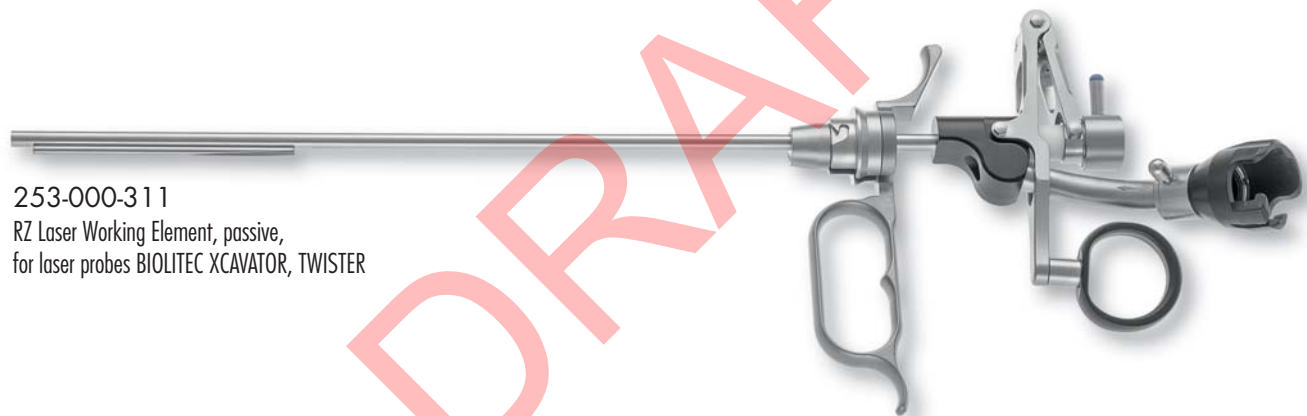
253-804-030

RZ Rod Lens Cystoscope, autoclavable, Ø 4.0mm, 30° direction of view



253-000-311

RZ Laser Working Element, passive,
for laser probes BIOLITEC XCAVATOR, TWISTER

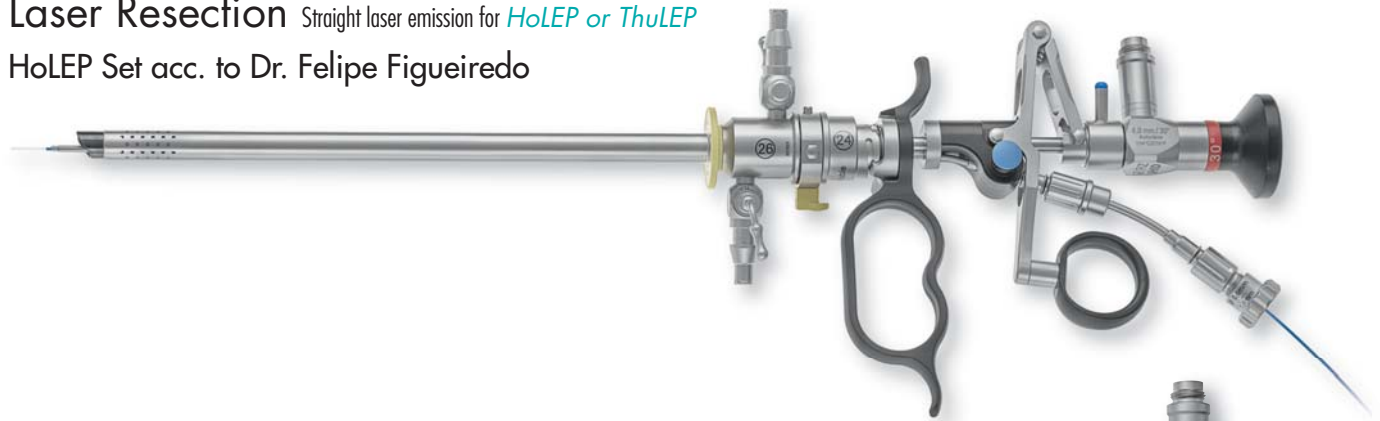


253-000-656

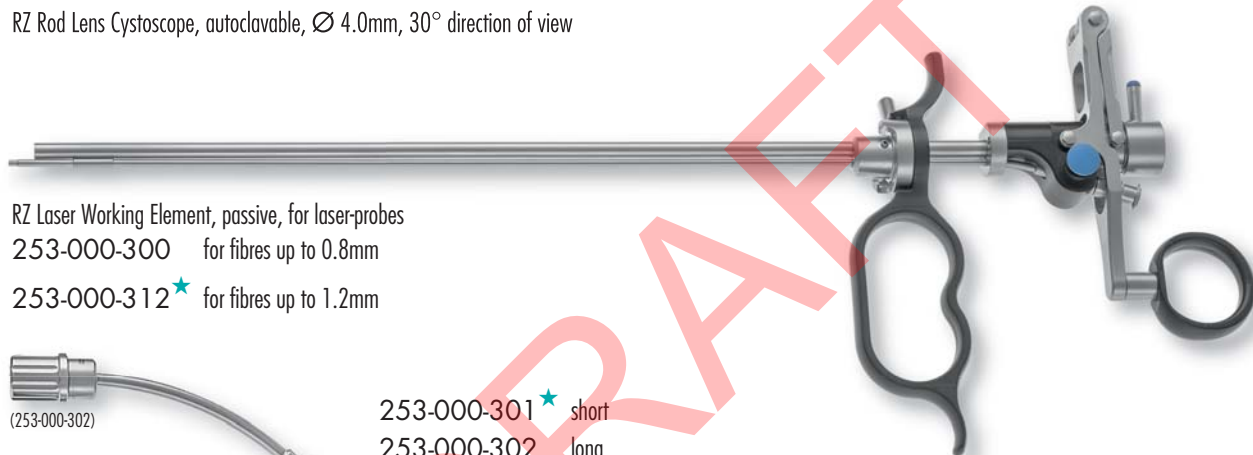
Resectoscope Sheath, Continuous Flow
complete, 26Charr, rotatable,
for Biolitec Xcavator



Laser Resection Straight laser emission for *HoLEP* or *ThuLEP* HoLEP Set acc. to Dr. Felipe Figueiredo



253-804-030
RZ Rod Lens Cystoscope, autoclavable, Ø 4.0mm, 30° direction of view

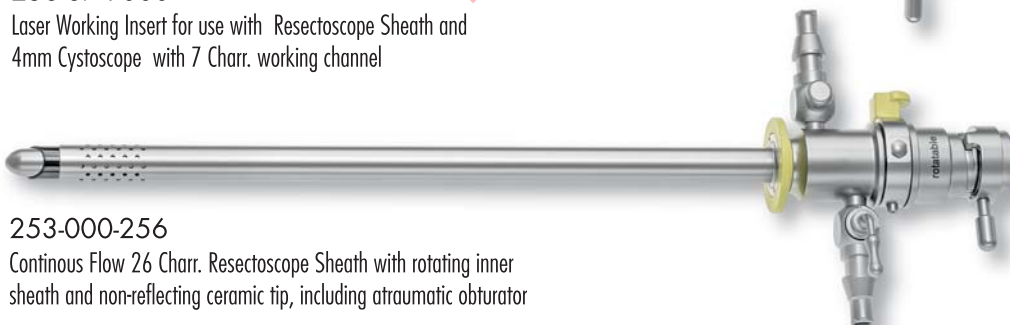


RZ Laser Working Element, passive, for laser-probes
253-000-300 for fibres up to 0.8mm
253-000-312★ for fibres up to 1.2mm

253-000-301★ short
253-000-302 long
RZ LL-Connection, rotatable
for use with Laser Probe



253-874-000
Laser Working Insert for use with Resectoscope Sheath and
4mm Cystoscope with 7 Charr. working channel



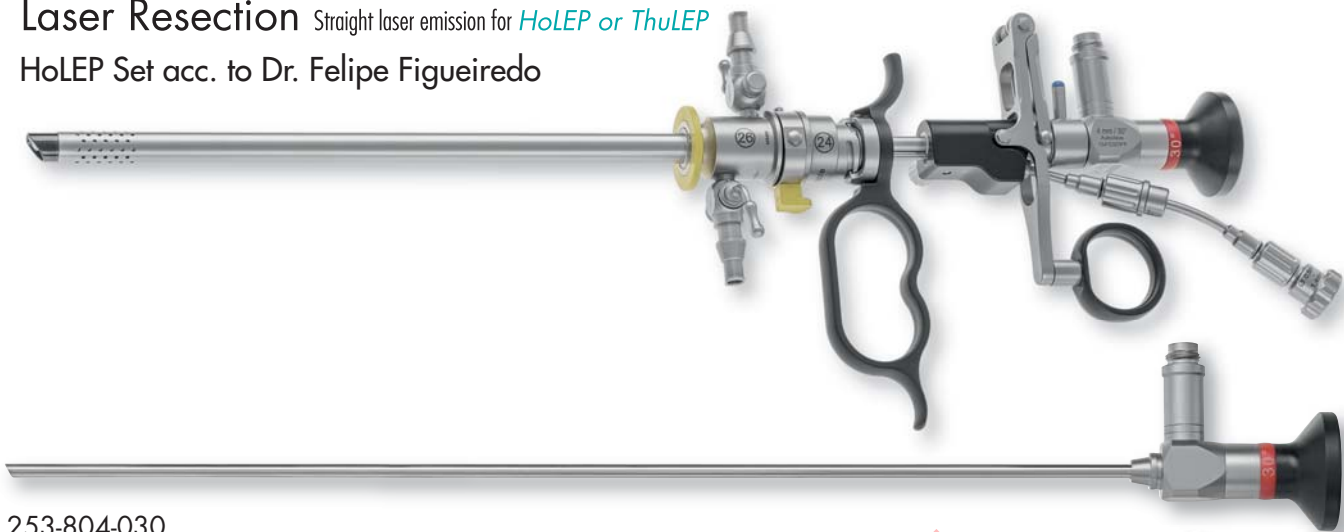
253-000-256
Continuous Flow 26 Charr. Resectoscope Sheath with rotating inner
sheath and non-reflecting ceramic tip, including atraumatic obturator



300-011-184★
LuerLock Tuohy Borst Adapter
(Ø 0.6 - 1.4mm)

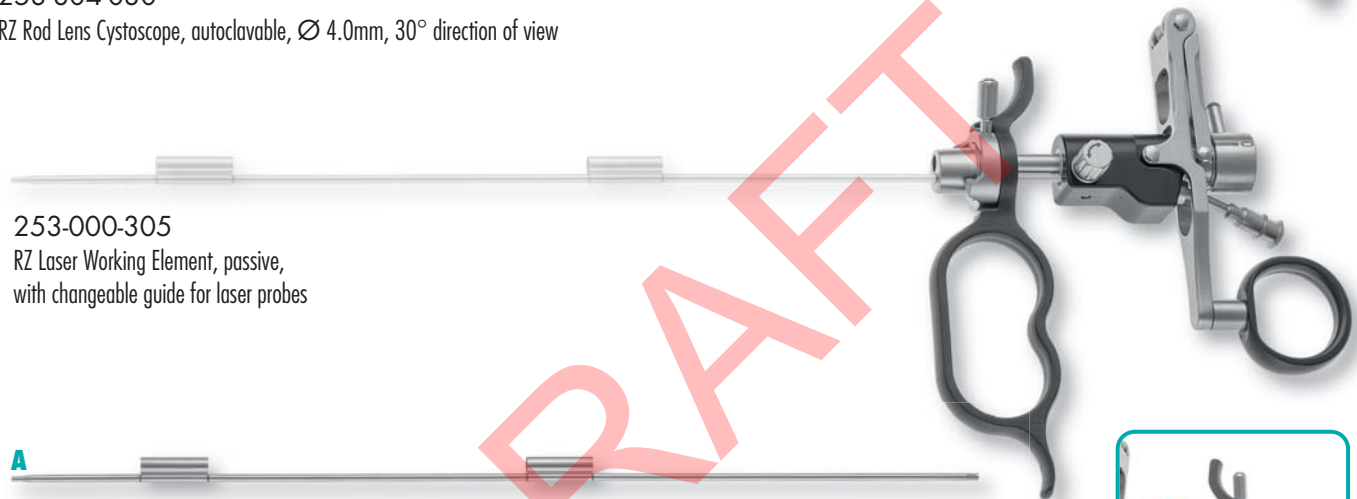
Laser Resection Straight laser emission for *HoLEP* or *ThuLEP*

HoLEP Set acc. to Dr. Felipe Figueiredo



253-804-030

RZ Rod Lens Cystoscope, autoclavable, Ø 4.0mm, 30° direction of view



253-000-305

RZ Laser Working Element, passive,
with changeable guide for laser probes



A Guide for Laser Probes

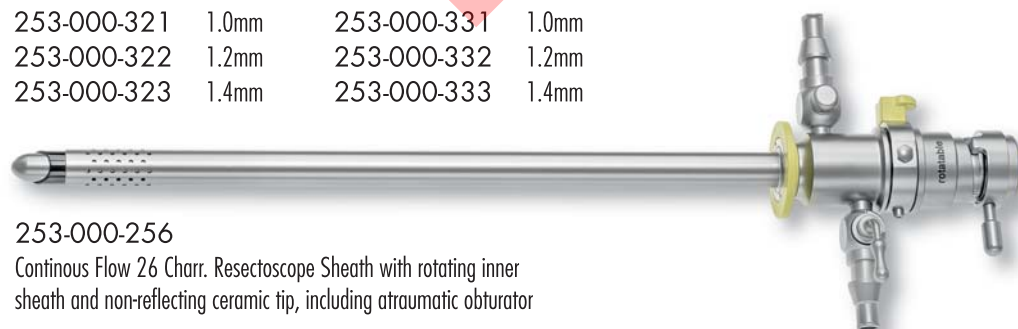
253-000-320	0.8mm
253-000-321	1.0mm
253-000-322	1.2mm
253-000-323	1.4mm

B Guide for Laser Probes, with retractor

253-000-330	0.8mm
253-000-331	1.0mm
253-000-332	1.2mm
253-000-333	1.4mm



detachable



253-000-256

Continuous Flow 26 Charr. Resectoscope Sheath with rotating inner
sheath and non-reflecting ceramic tip, including atraumatic obturator



253-000-301 ★ short
253-000-302 long
RZ LL-Connection, rotatable
for use with Laser Probe



300-011-184
LuerLock Tuohy Borst Adapter
(Ø 0.6 - 1.4mm)

Laser Resection 22Charr.

Straight laser emission for *HoLEP* or *ThuLEP*

HoLEP Set acc. to Dr. Felipe Figueiredo



351-829-030

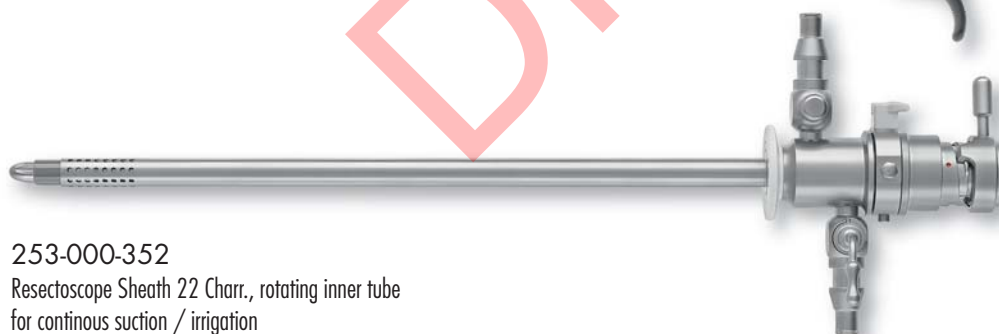
RZ Rod Lens Cystoscope, autoclavable, rigid, Ø 2.9mm, 30° direction of view



RZ Laser Working Element, passive, for laser-probes

253-000-319 for fibres up to 0.8mm

253-000-316 for fibres up to 1.2mm



253-000-352

Resectoscope Sheath 22 Charr., rotating inner tube
for continuous suction / irrigation



253-000-301 ★ short
253-000-302 long

RZ LL-Connection, rotatable
for use with Laser Probe



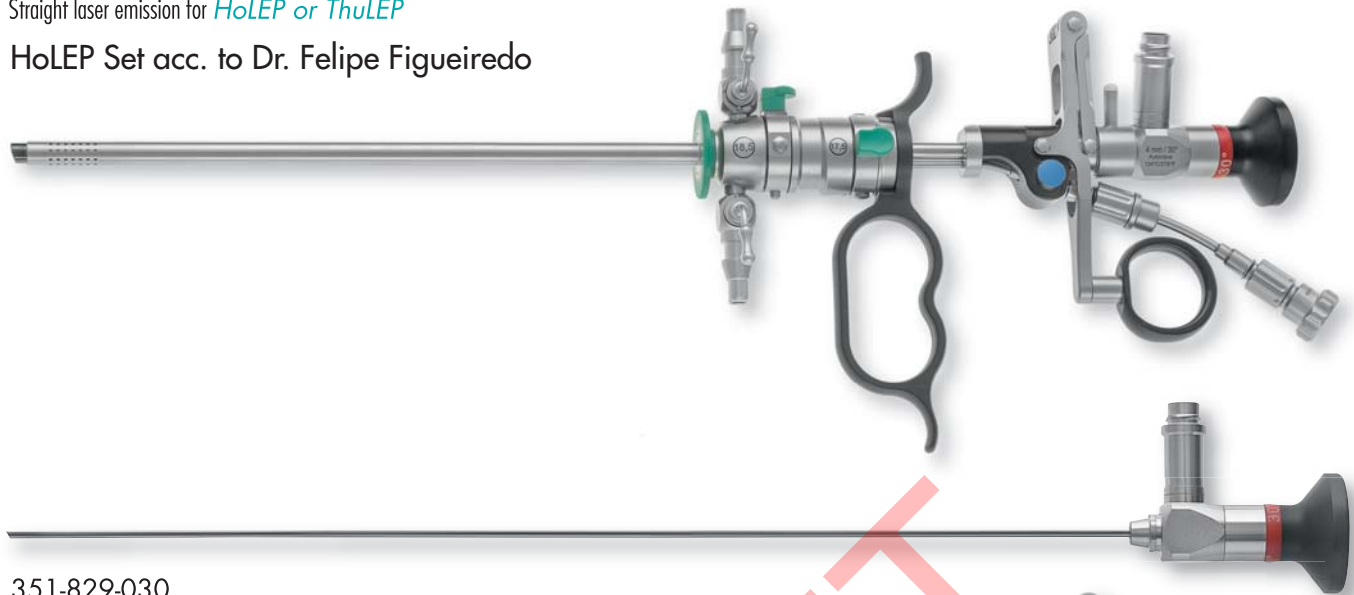
300-011-184

LuerLock Tuohy Borst Adapter
(Ø 0.6 - 1.4mm)

Laser Resection 18.5Charr.

Straight laser emission for *HoLEP* or *ThuLEP*

HoLEP Set acc. to Dr. Felipe Figueiredo



351-829-030

RZ Rod Lens Cystoscope, autoclavable, rigid, Ø 2.9mm, 30° direction of view



RZ Laser Working Element, passive, for laser-probes with fibres up to 0.8mm

253-000-315 without push button

253-000-318 with push button



351-000-185

Resectoscope Continuous Flow Sheath, 18.5 Charr.,
with rotating sheath, incl. obturator, with QuickLocking



(253-000-302)

253-000-301 ★ short

253-000-302 long

RZ LL-Connection, rotatable
for use with Laser Probe



300-011-184

LuerLock Tuohy Borst Adapter
(Ø 0.6 - 1.4mm)

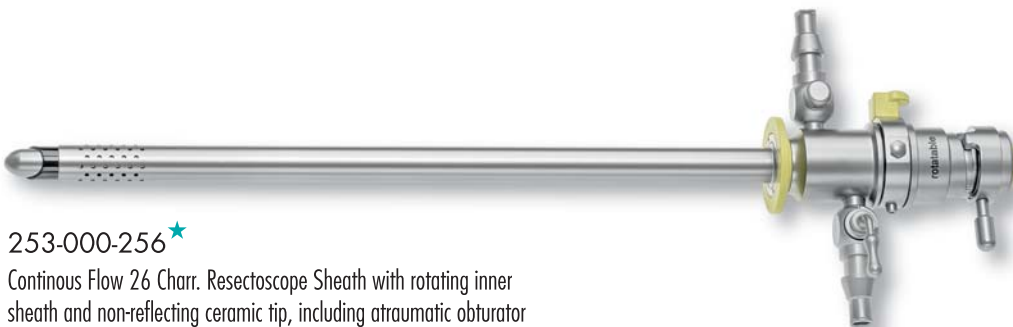
Tissue Morcellation



253-900-121★
Nephroscope 6°, oval instrument channel, parallel eye piece,
250mm working length



253-428-100★
Adapter for use with RZ Nephroscopes and
Resectoscope Outer sheaths 253-000-356/-256



253-000-256★
Continuous Flow 26 Charr. Resectoscope Sheath with rotating inner
sheath and non-reflecting ceramic tip, including atraumatic obturator

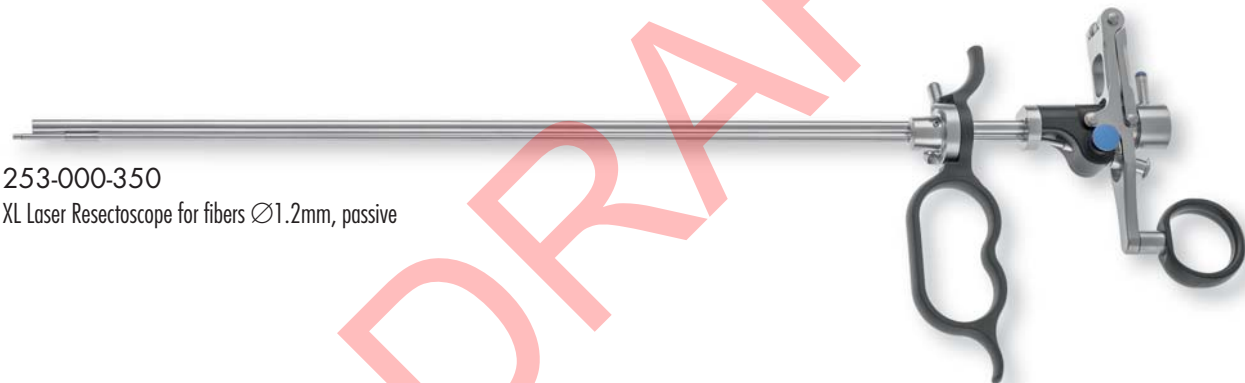
XL Laser Resection



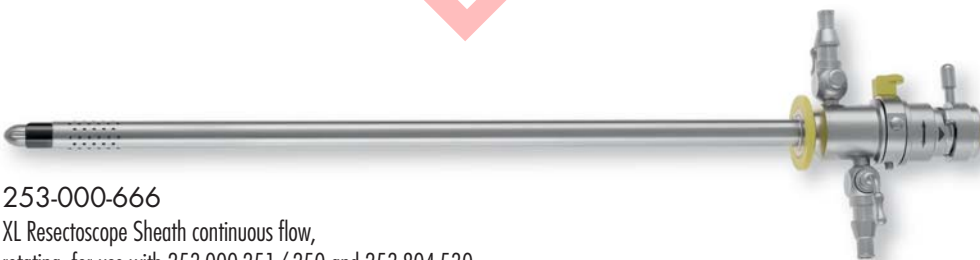
253-804-530
XL Cystoscope, Ø 4mm, 30° direction of view,
365mm length

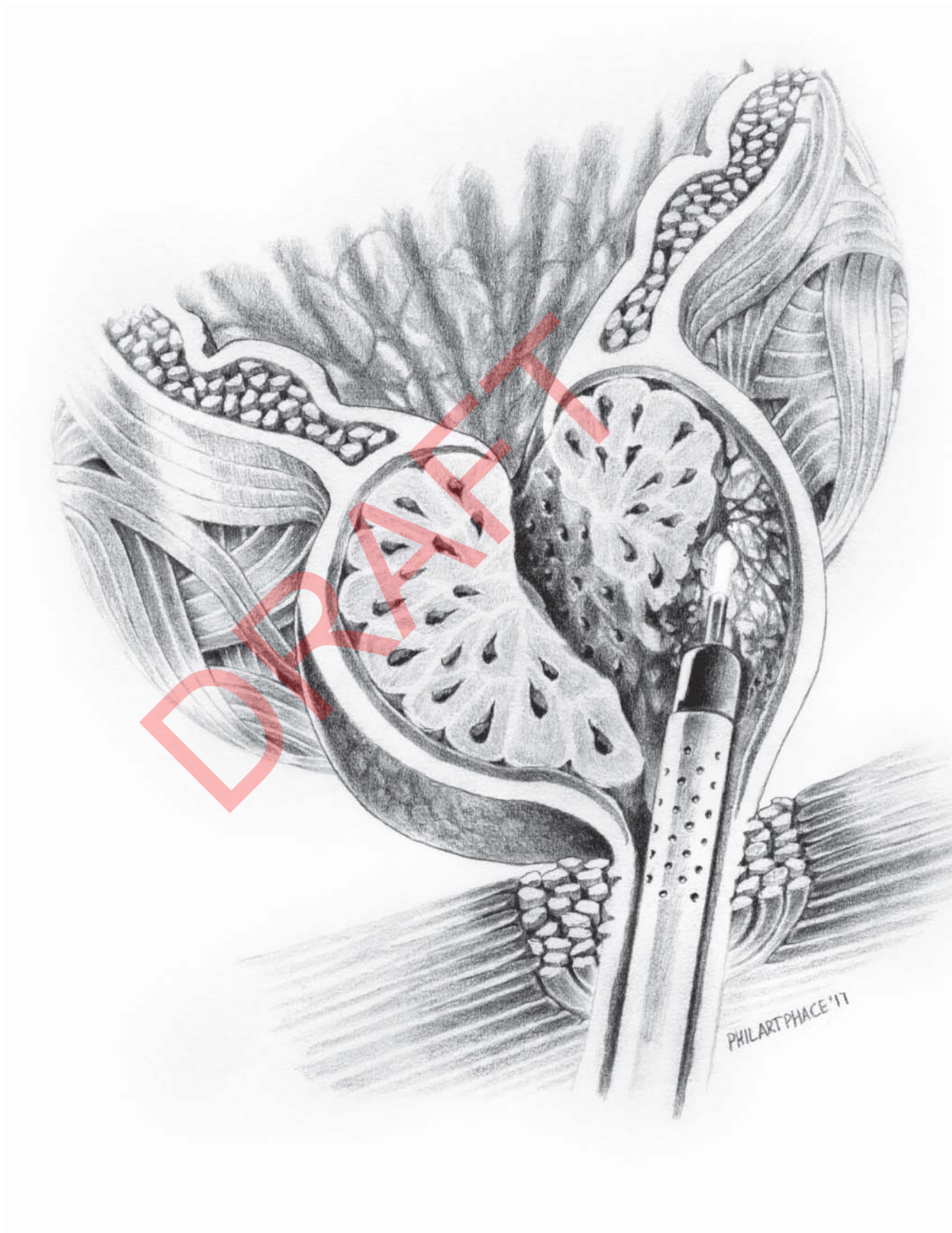


253-000-350
XL Laser Resectoscope for fibers Ø1.2mm, passive



253-000-666
XL Resectoscope Sheath continuous flow,
rotating, for use with 253-000-251/-250 and 253-804-530







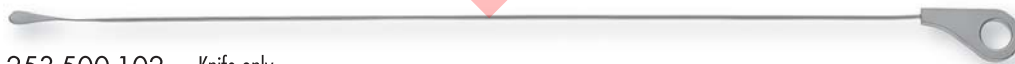
253-500-100 OTIS Dilation Urethrotome complete with 3 atraumatic tips

and 2 knives, in wooden case

253-500-103 Wooden case only



253-500-101 Otis Dilation Urethrotome only, with 3 atraumatic tips



253-500-102 Knife only



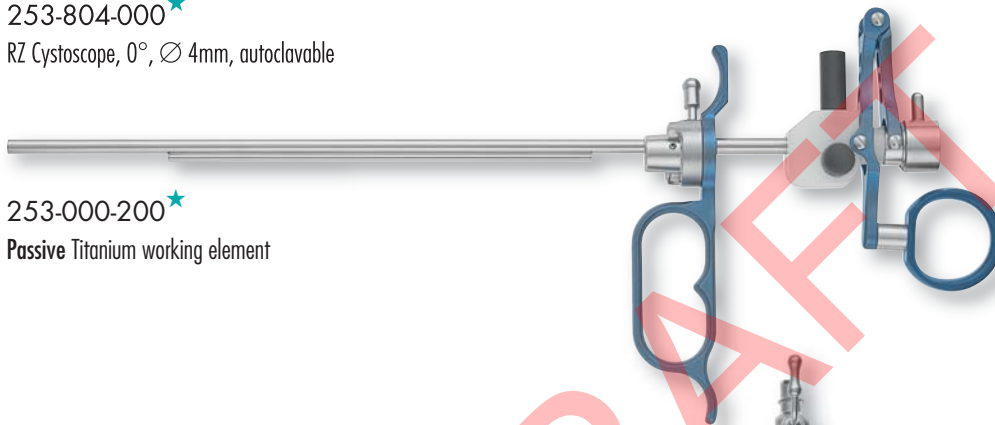
253-500-108 Set with 3 atraumatic tips only



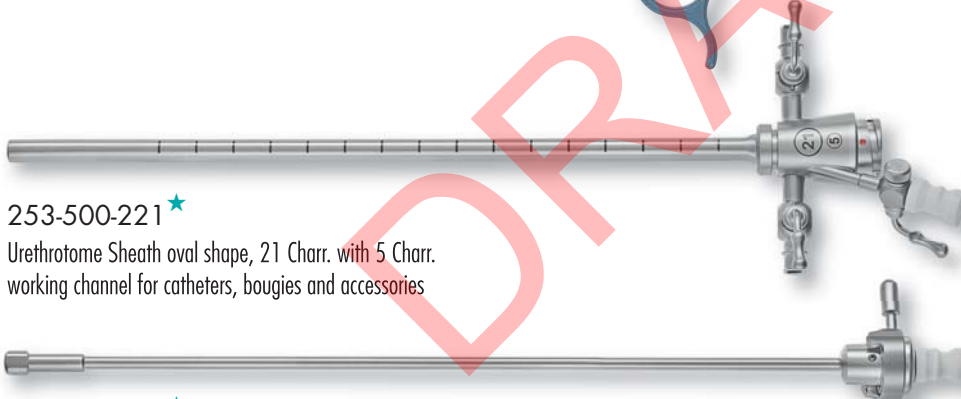
253-804-000 ★
RZ Cystoscope, 0°, Ø 4mm, autoclavable



253-000-200 ★
Passive Titanium working element



253-500-221 ★
Urethrotome Sheath oval shape, 21 Charr. with 5 Charr. working channel for catheters, bougies and accessories



253-500-321 ★
Hollow Obturator with channel for guide wires



253-500-230 ★
Supplementary Sheath, half round, to insert Foley catheters. Double Lock for secure fixation on the Urethrotome Sheath



253-500-229
Continuous Flow supplementary sheath with Double Lock for secure fixation on the Urethrotome Sheath



253-500-325
Bridge with channel for 5 Charr. accessories



1 guide stem Urethrotome knives, for use without HF



253-500-561 ★ Sachse knife, straight



253-500-562 Sickle knife, retrograde



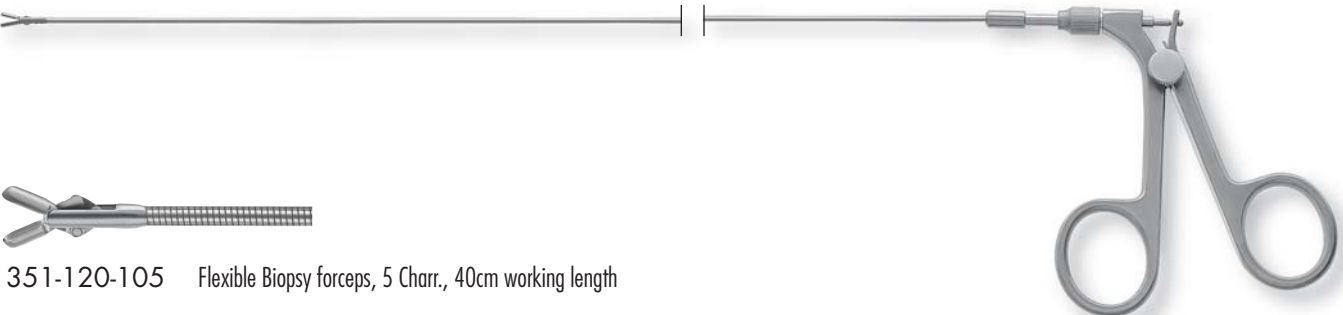
253-500-563 ★ Half round knife, 180° cutting



253-500-564 WaveCut knife, straight



253-300-999 ★ Storage container for knives and electrodes, metal, perforated



351-120-105 Flexible Biopsy forceps, 5 Charr., 40cm working length



253-829-000 RZ Cystoscope, 2.9mm, 0° direction of view



253-500-500
Urethrotome Working Element for use with 2.9mm, 0° RZ Cystoscope



253-500-115
15.5 Charr. Urethrotome Sheath with lateral channel
for guide wires and other accessories



253-500-315
Obturator for use with 253-500-115



1 guide stem Urethrotome knives, for use without HF



253-500-581 Sachse knife, straight, 15 Charr.



253-500-582 Sickle knife, retrograde, 15 Charr.



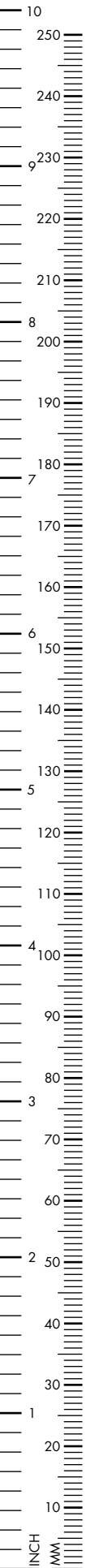
253-300-999 Storage container for knives and electrodes, metal, perforated



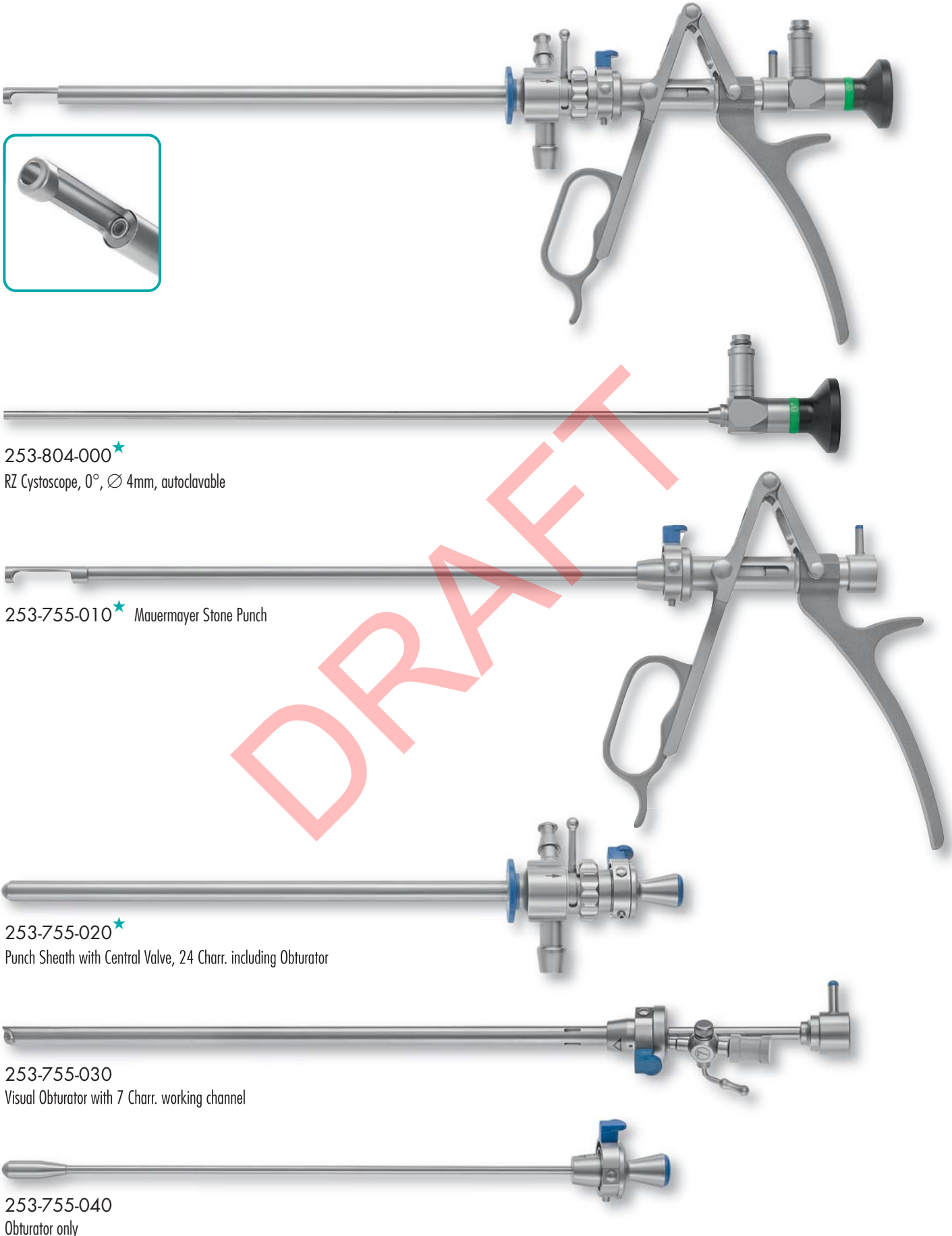


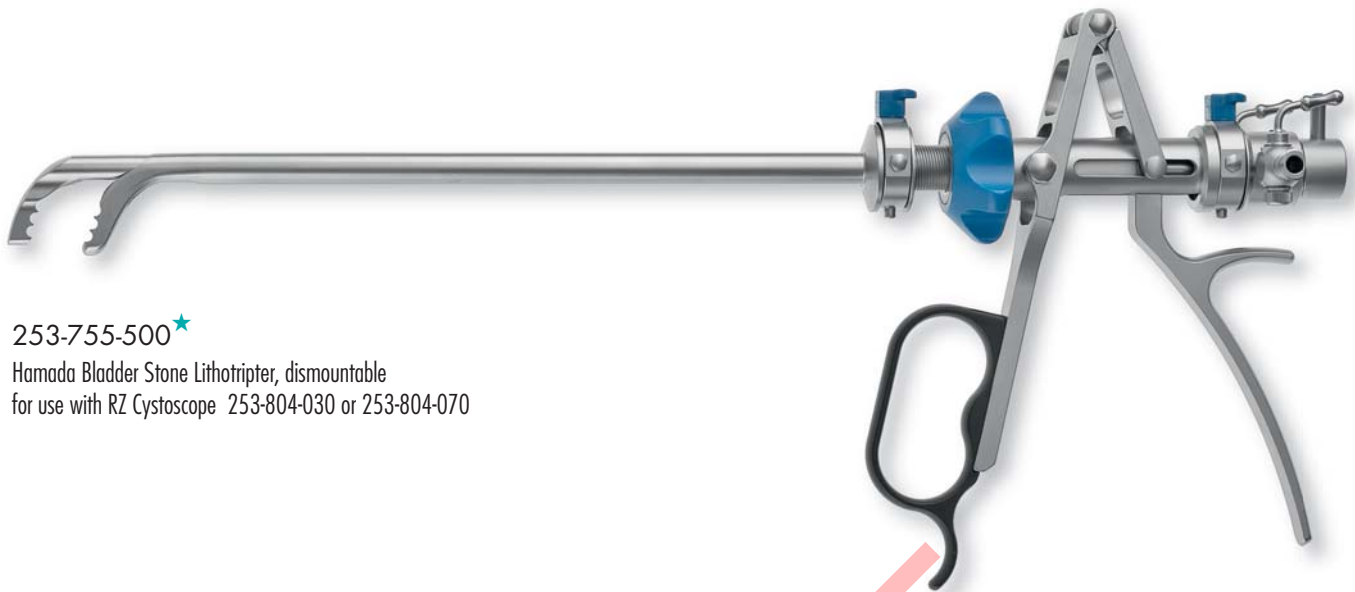
URETHROTOME

Notes



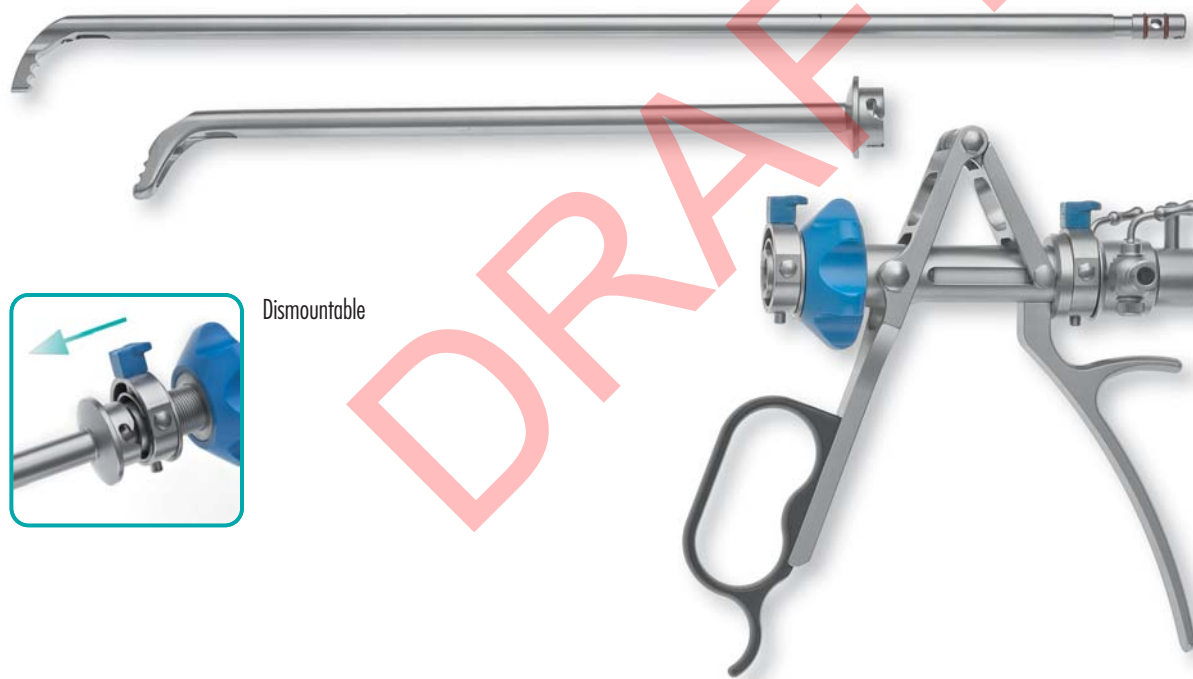
DRAFT





253-755-500★

Hamada Bladder Stone Lithotripter, dismountable
for use with RZ Cystoscope 253-804-030 or 253-804-070

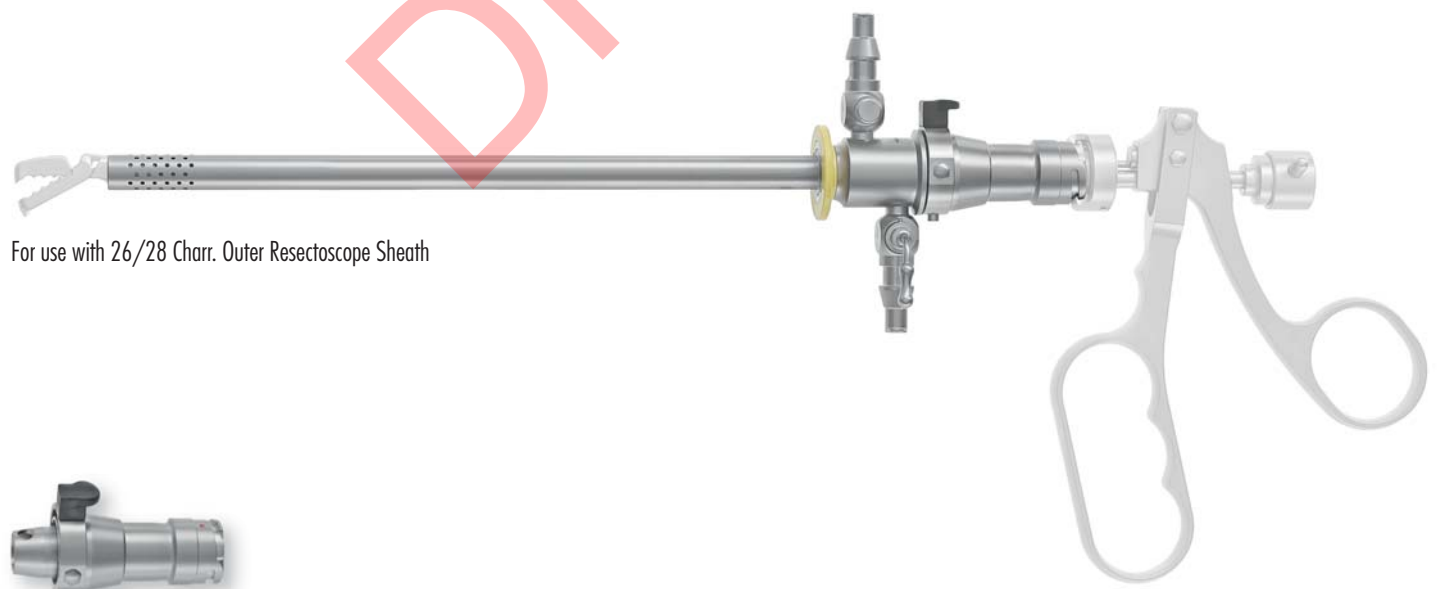
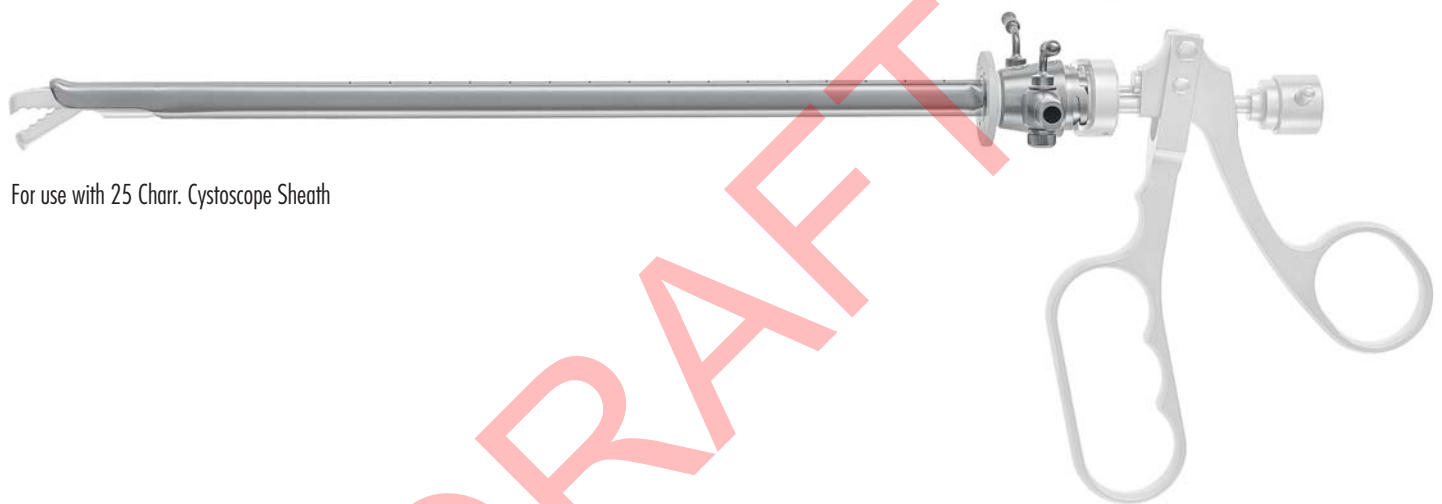


Dismountable



Comparison: field of view

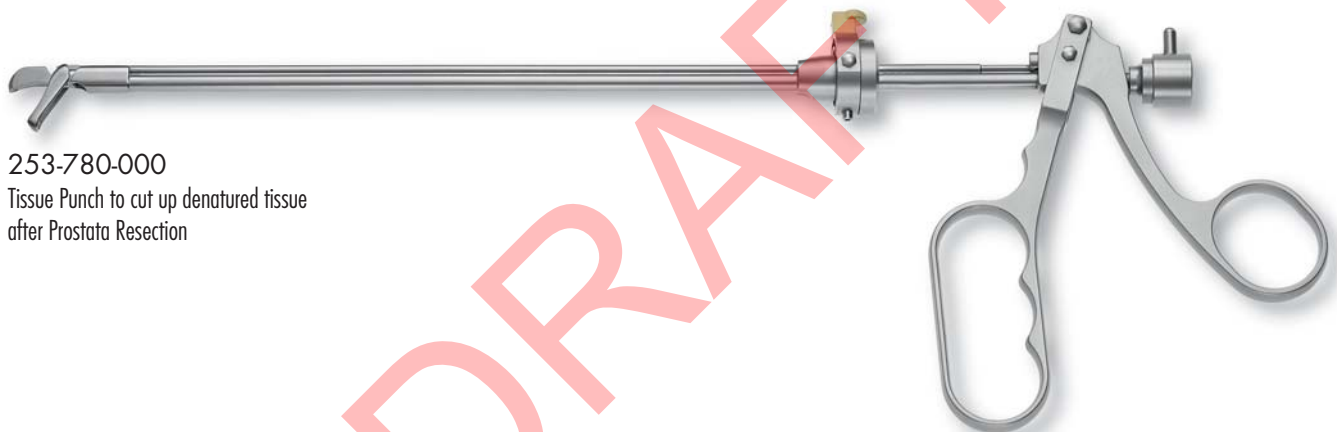
- ① with 30° scope
- ② with 70° scope



253-430-100★
Adapter for use with Outer Resectoscope Sheaths



253-780-000
Tissue Punch to cut up denatured tissue
after Prostata Resection



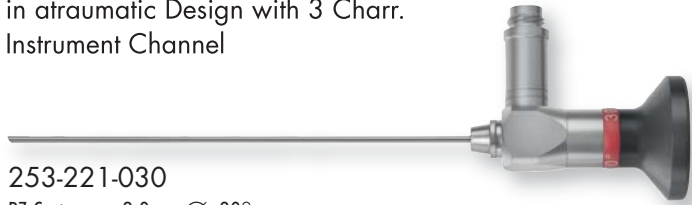
Suitable Resectoscope Sheaths

- 253-000-256 Rotating, 26 Charr. ●
- 253-000-258 Rotating, 28 Charr. ●
- 253-000-356 Fixed, 26 Charr. ●
- 253-000-358 Fixed, 28 Charr. ●

Lithotripter Device can be found on page 122

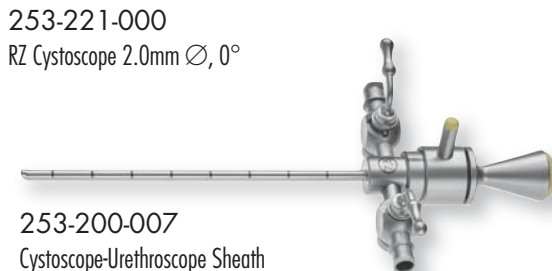
CYSTOSCOPE-URETHROSCOPE SET FOR NEW BORN

Unique 7 and 9 Charr. Sheath System
in atraumatic Design with 3 Charr.
Instrument Channel



253-221-030

RZ Cystoscope 2.0mm Ø, 30°



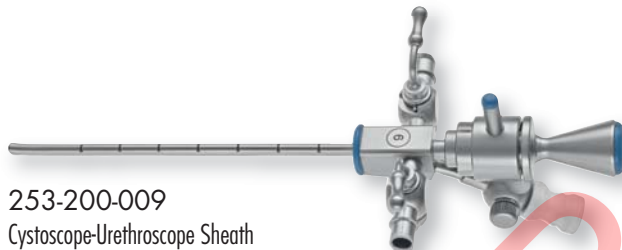
253-221-000

RZ Cystoscope 2.0mm Ø, 0°



253-200-007

Cystoscope-Urethroscope Sheath
for New Born, 7 Charr.

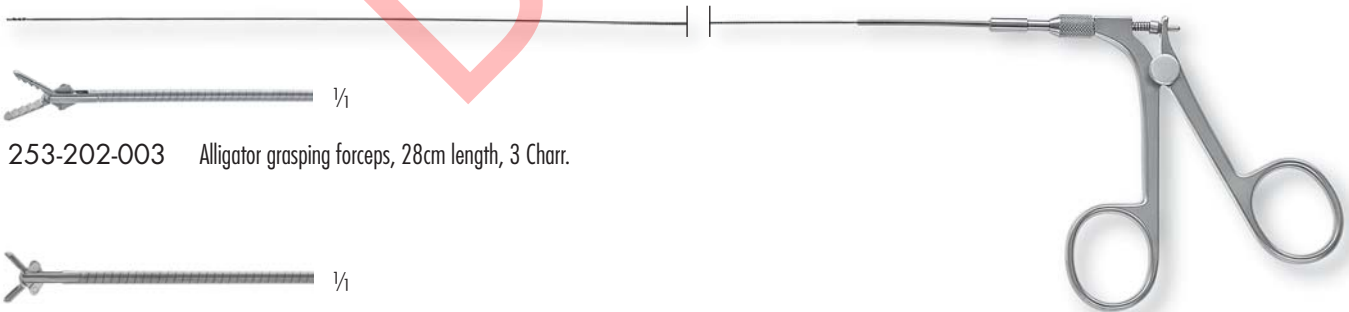


253-200-009

Cystoscope-Urethroscope Sheath
for New Born, 9 Charr.
with 3 Charr. Instrument Channel



Atraumatic Tip Design



253-202-003

Alligator grasping forceps, 28cm length, 3 Charr.



253-204-003

Biopsy forceps, 28cm length, 3 Charr.



253-370-253

Ball electrode, 25cm length, 3 Charr.



253-371-253

Needle electrode, 25cm length, 3 Charr.

**4.5
Charr.**

253-200-600

Operating Cysto-Urethrotome 4.5 Charr., 5° direction of view, with 3.5 Charr. working channel, 140mm working length. With 2 lateral suction-irrigation connections and 2 working channels for semi-rigid and flexible accessories.



253-905-400

Silicone Valve, package with 5 pieces

- Soft-Dilation Sheath 4.5 – 6.0 Charr.
- 3.5 Charr. working channel for use with 3 Charr. semi-rigid and flexible instruments and high flow irrigation
- Silicone valve for easy and safe use of all accessories
- Lightweight and "easy to handle" design
- Large variety of accessories for all kinds of pediatric urology procedures



253-203-128 Stone Grasping Forceps, double action, 3 Charr., 28cm working length



253-203-228 Large Stone Grasping Forceps, double action, 3 Charr., 28cm working length



253-203-328 Biopsy Forceps, double action, 3 Charr., 28cm working length



253-203-428 Scissors, single action, 3 Charr., 28cm working length



253-370-253 Ball Electrode, 3 Charr., 25cm working length



253-371-253 Needle Electrode, 3 Charr., 25cm working length



253-200-200 Hook Knife, 3 Charr.



253-200-210 Injection Cannula, 3 Charr.

**6.0
Charr.**

253-200-500

Operating Cysto-Urethrotome 6.0 Charr., 5° direction of view, with 5 Charr. working channel, 140mm working length. With 2 lateral suction-irrigation connections and 2 working channels for semi-rigid and flexible accessories.



253-905-400

Silicone Valve, package with 5 pieces

- Soft-Dilation Sheath 6.0 – 7.5 Charr.
- Large working channel for use with 4 Charr. semi-rigid and flexible instruments and high flow irrigation
- Silicone valve for easy and safe use of all accessories
- Lightweight and “easy to handle” design
- Large variety of accessories for all kinds of pediatric urology procedures



253-204-128 Stone Grasping Forceps, double action, 4 Charr., 28cm working length



253-204-228 Large Stone Grasping Forceps, double action, 4 Charr., 28cm working length



253-204-328 Biopsy Forceps, double action, 4 Charr., 28cm working length



253-204-428 Scissors, single action, 4 Charr., 28cm working length



253-370-253 Ball Electrode, 3 Charr., 25cm working length



253-371-253 Needle Electrode, 3 Charr., 25cm working length



253-200-200 Hook Knife, 3 Charr.



253-200-210 Injection Cannula, 3 Charr.

**7.5
Charr.**

253-200-100

Operating Cysto-Urethrotome 7.5 Charr., 5° direction of view, with 6 Charr. working channel, 150mm working length. With 2 lateral suction-irrigation connections and 2 working channels for semi-rigid and flexible accessories.



253-905-400

Silicone Valve, package with 5 pieces

- Soft-Dilation Sheath 7.5 – 8.5 – 9.5 Charr.
- Extra large working channel for use with 5 Charr. semi-rigid and flexible instruments and high flow irrigation
- Silicone valve for easy and safe use of all accessories
- Lightweight and “easy to handle” design
- Large variety of accessories for all kinds of pediatric urology procedures



253-200-128 Stone Grasping Forceps, double action, 5 Charr., 28cm working length



253-200-228 Large Stone Grasping Forceps, double action, 5 Charr., 28cm working length



253-200-328 Biopsy Forceps, double action, 5 Charr., 28cm working length



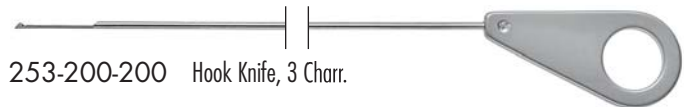
253-200-428 Scissors, single action, 5 Charr., 28cm working length



253-370-253 Ball Electrode, 3 Charr., 25cm working length



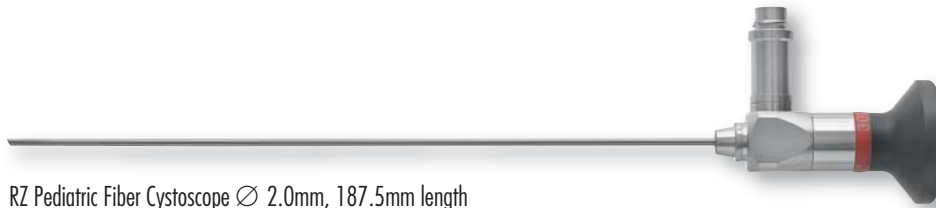
253-371-253 Needle Electrode, 3 Charr., 25cm working length



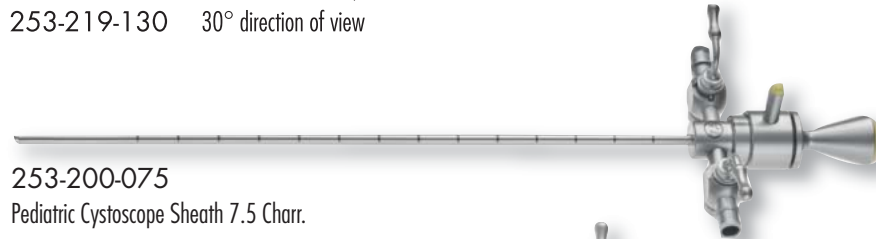
253-200-200 Hook Knife, 3 Charr.



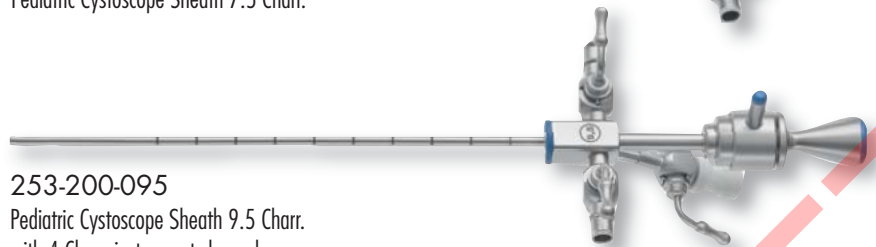
253-200-210 Injection Cannula, 3 Charr.



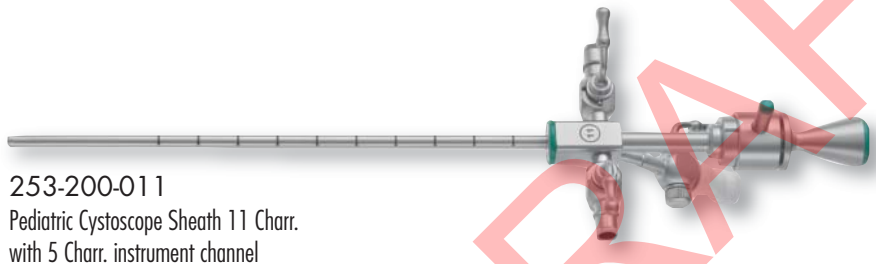
RZ Pediatric Fiber Cystoscope $\varnothing$ 2.0mm, 187.5mm length
 253-219-100 0° direction of view,
 253-219-130 30° direction of view



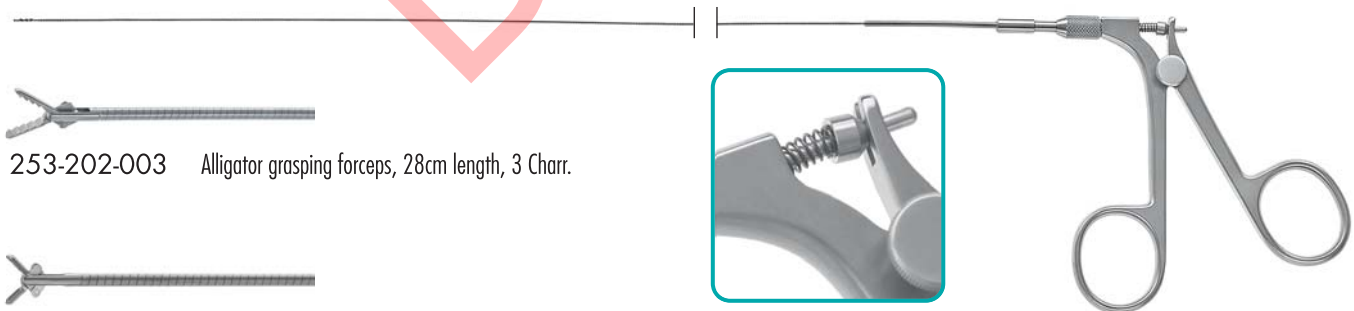
253-200-075
 Pediatric Cystoscope Sheath 7.5 Charr.



253-200-095
 Pediatric Cystoscope Sheath 9.5 Charr.
 with 4 Charr. instrument channel



253-200-011
 Pediatric Cystoscope Sheath 11 Charr.
 with 5 Charr. instrument channel



253-202-003 Alligator grasping forceps, 28cm length, 3 Charr.

253-204-003 Biopsy forceps, 28cm length, 3 Charr.

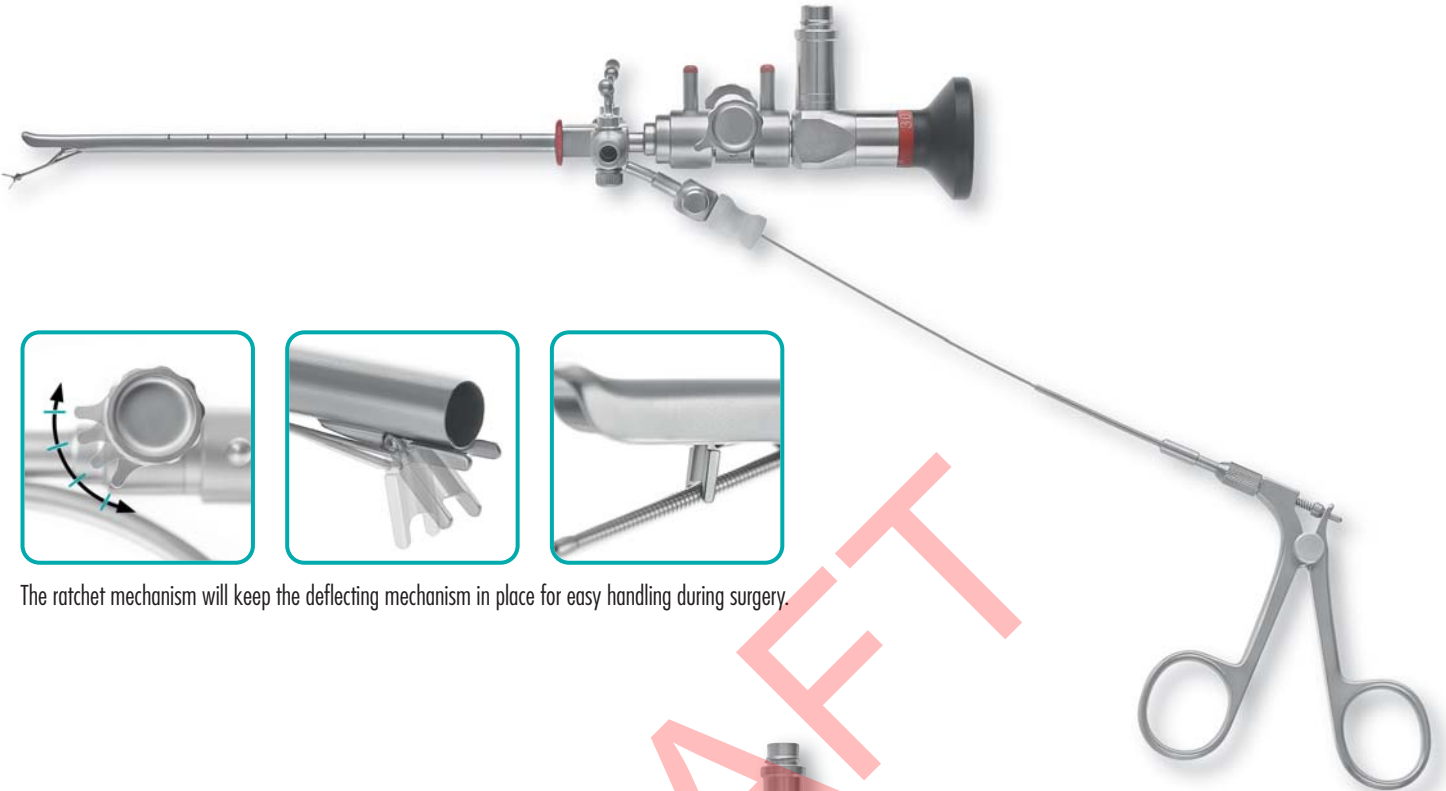
Spring Closing Mechanism



253-370-253 Ball electrode, 25cm length, 3 Charr.



253-371-253 Needle electrode, 25cm length, 3 Charr.



The ratchet mechanism will keep the deflecting mechanism in place for easy handling during surgery.

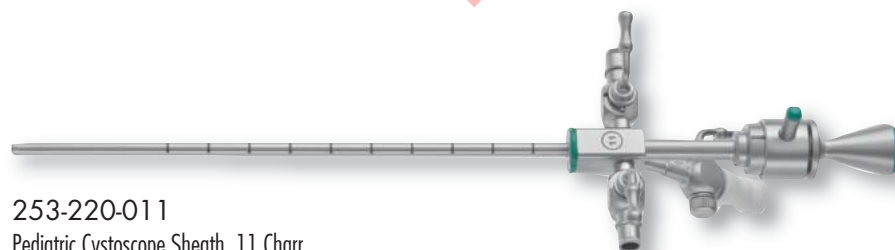


RZ Pediatric Cystoscope, 2.7mm diameter, 187.5mm working length

253-227-000 0° direction of view,

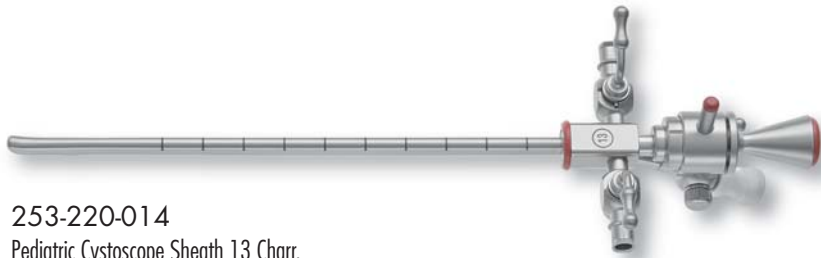
253-227-030 30° direction of view

253-227-070 70° direction of view



253-220-011

Pediatric Cystoscope Sheath, 11 Charr.
with 3 Charr. working channel



253-220-014

Pediatric Cystoscope Sheath 13 Charr.
with 3 Charr. working channel, for use
with Bridge or Albarran deflecting mechanism



253-220-030

Bridge for use with 253-220-014



253-220-025

Albarran deflecting mechanism for use
with 253-220-014



253-202-003 Alligator grasping forceps, 28cm length, 3 Charr.



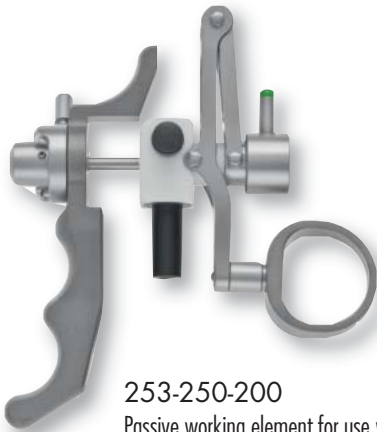
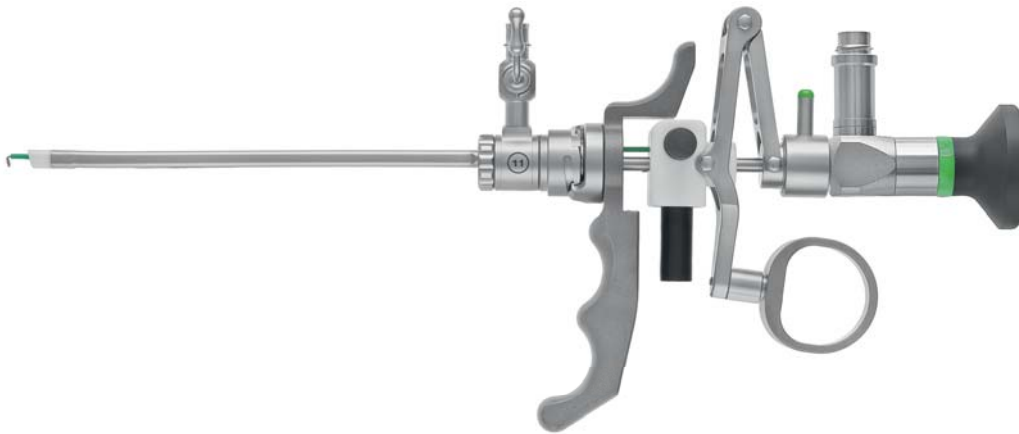
253-204-003 Biopsy forceps, 28cm length, 3 Charr.



253-370-253 Ball electrode, 25cm length, 3 Charr.

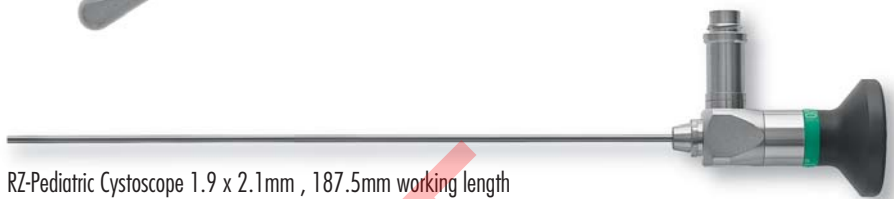


253-371-253 Needle electrode, 25cm length, 3 Charr.



253-250-200
Passive working element for use with 2.0mm
RZ Fiber Cystoscope 253-219-100

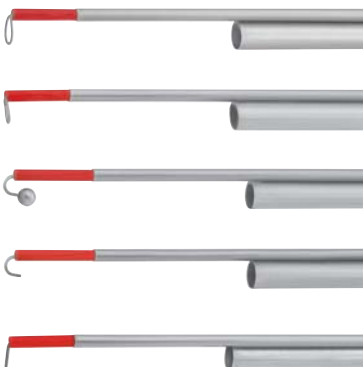
RZ-Pediatric Cystoscope 1.9 x 2.1mm , 187.5mm working length
253-219-100 0° direction of view
253-219-130 30° direction of view



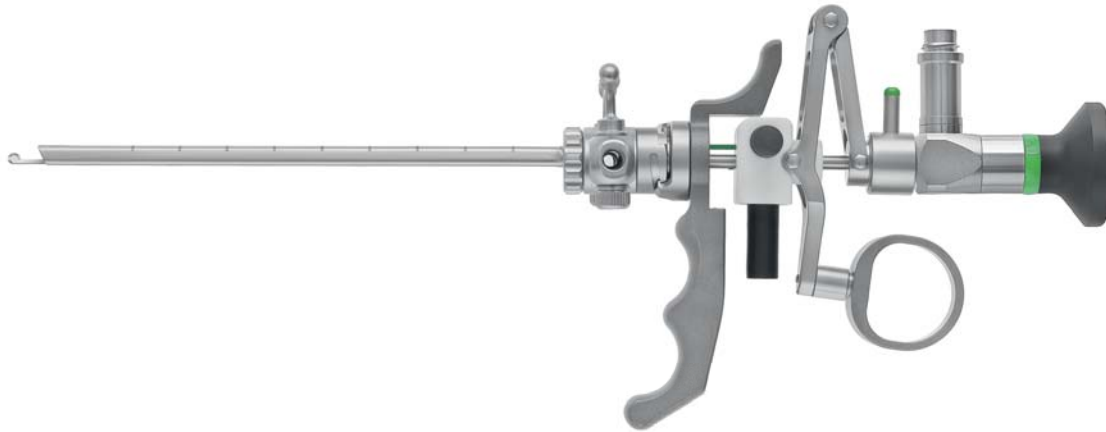
253-250-211
Resectoscope Sheath 11 Charr.
with obturator ●



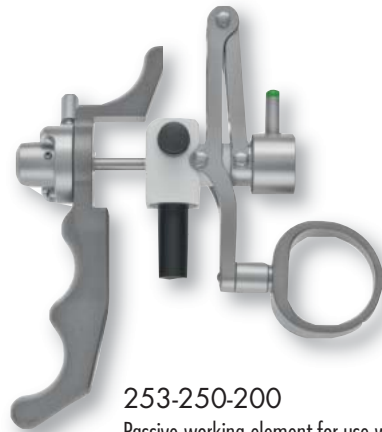
253-250-213
Resectoscope Sheath 13 Charr.
with obturator ●



	11 Charr.	13 Charr.
Colour	●	●
Cutting Loop	253-251-111	253-252-111
Coagulation Electrode, blunt	253-251-112	253-252-112
Hook Electrode with ball	253-251-113	253-252-113
Hook Electrode without ball	253-251-114	253-252-114
Needle Electrode, pointed	253-251-115	253-252-115



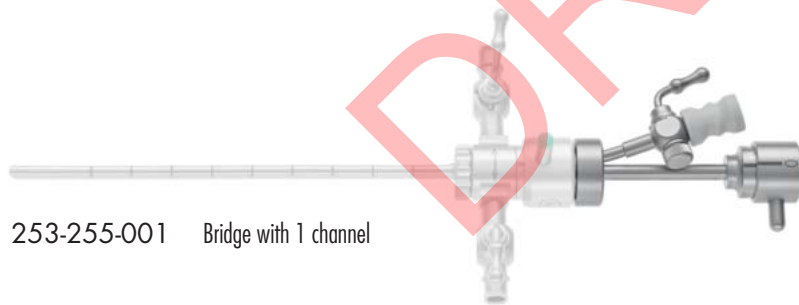
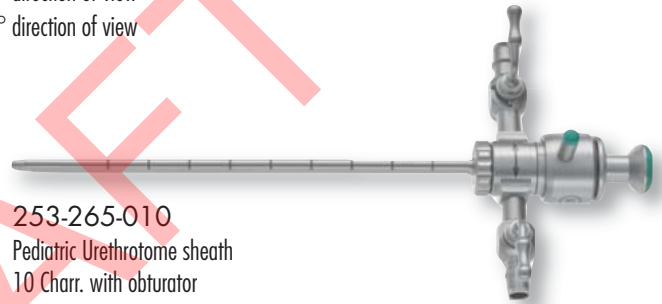
RZ-Pediatric Cystoscope 1.9 x 2.1mm , 187.5mm working length
253-219-100 0° direction of view
253-219-130 30° direction of view



253-250-200
Passive working element for use with 2.0 mm
RZ Fiber Cystoscope 253-219-100



253-265-010
Pediatric Urethrotome sheath
10 Charr. with obturator



253-255-001 Bridge with 1 channel



253-265-101 Knife with straight cutting edge



253-265-102 Round knife



253-265-103 Sickel knife



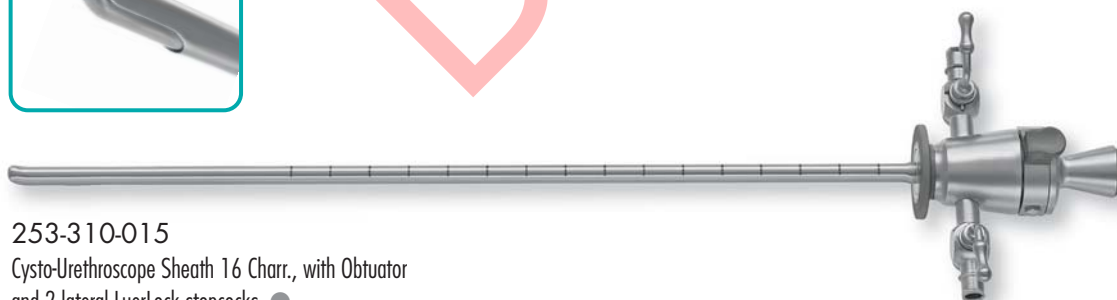
253-265-104 Hook knife

RZ Cystoscope Ø 2.9mm with wide angle view, 302mm working length,
fully autoclavable, colour coded

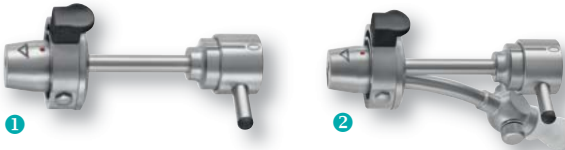
- 253-829-000 0° direction of view
253-829-030 30° direction of view



253-310-014
Cysto-Urethroscope Sheath 15 Charr., with Obturator and integrated working channel
for 5 Charr. flexible instruments and 2 lateral LuerLock stopcocks ○



253-310-015
Cysto-Urethroscope Sheath 16 Charr., with Obturator
and 2 lateral LuerLock stopcocks ●



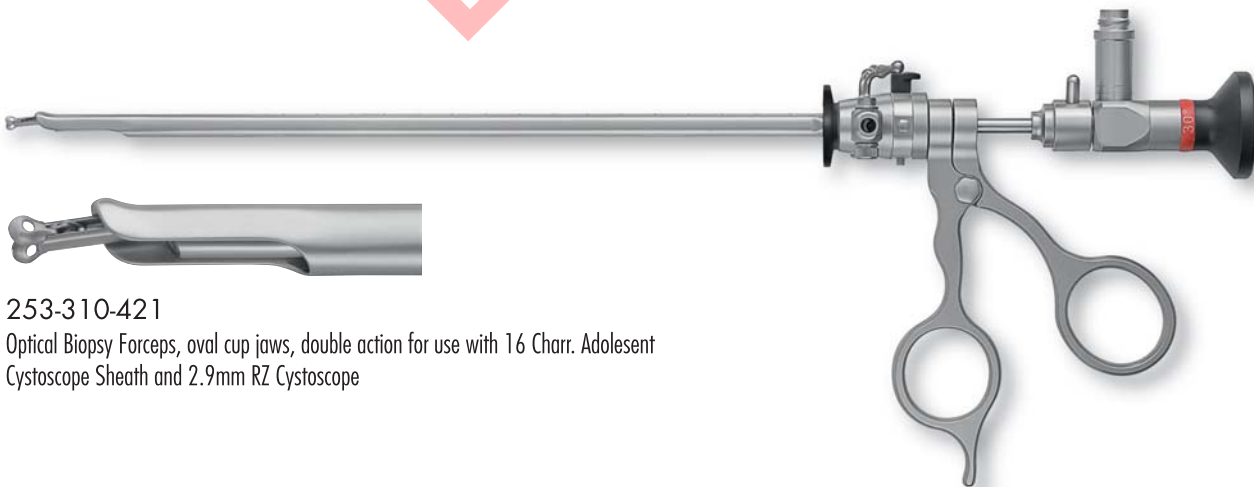
- ❶ 253-310-100 Telescope bridge without channel
- ❷ 253-310-101 Telescope bridge with 1 channel for use with 15 Charr. Adolescent Cystoscope Sheath and 5 Charr. flexible instruments



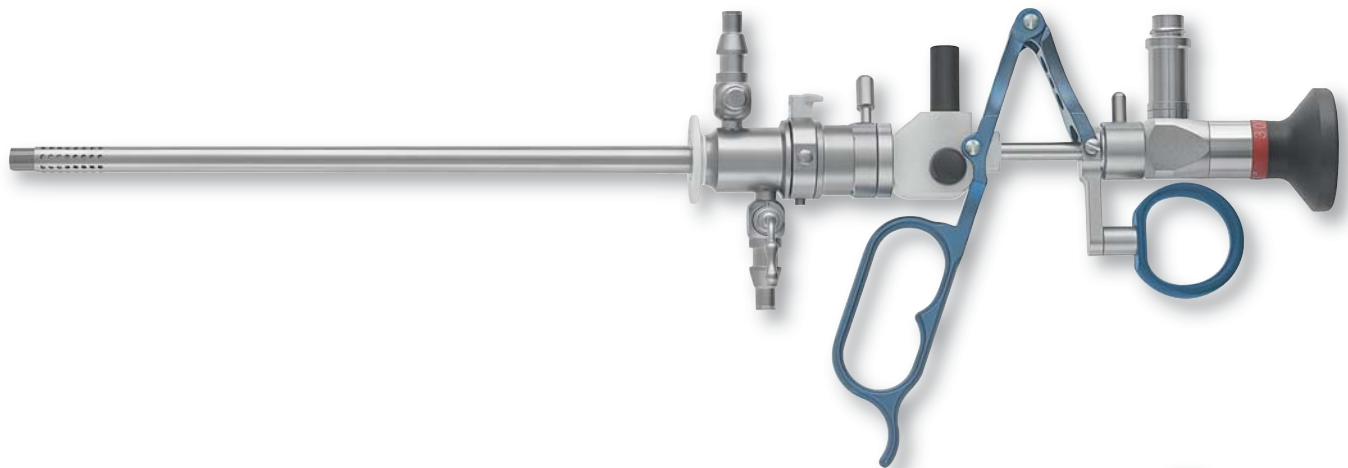
The ratchet mechanism will keep the deflecting mechanism in place for easy handling during surgery.



253-310-107
Albarran deflecting mechanism with 1 channel for 15 Charr. Adolescent Cystoscope Sheath
For use with 1 x 5 Charr. instrument



253-310-421
Optical Biopsy Forceps, oval cup jaws, double action for use with 16 Charr. Adolescent Cystoscope Sheath and 2.9mm RZ Cystoscope

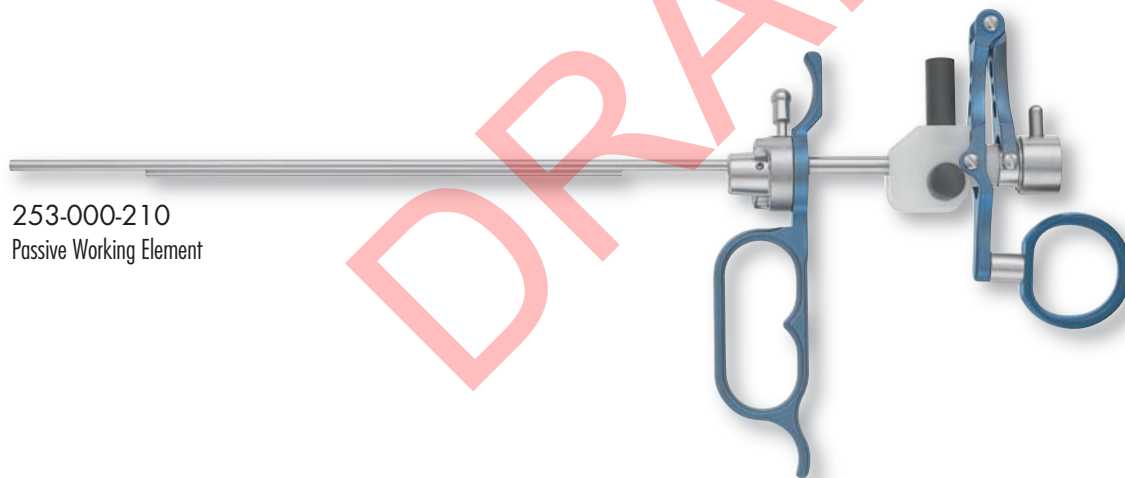


RZ Cystoscope 2.9mm with wide angle view, 302mm working length,
fully autoclavable, colour coded

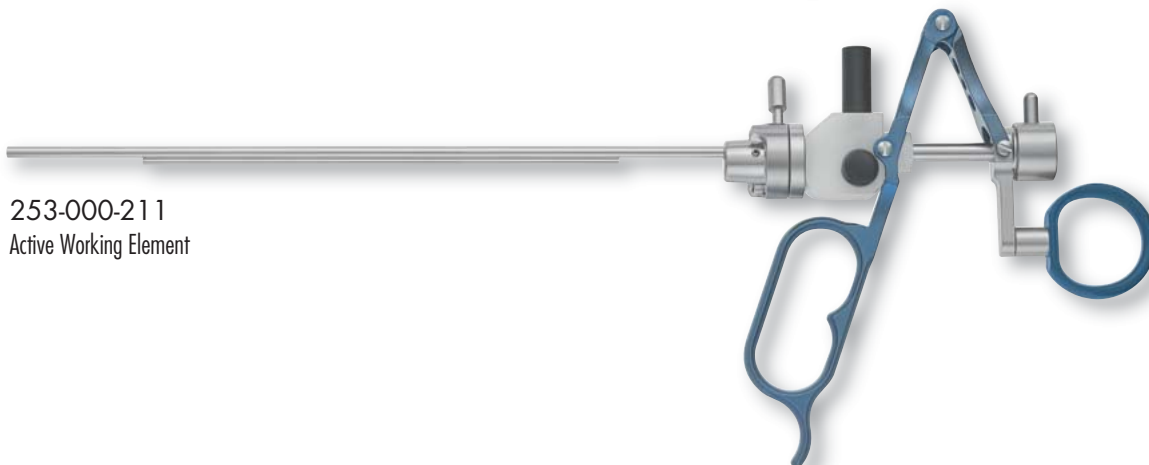
- 253-829-000 RZ Cystoscope, 0° direction of view
- 253-829-012 RZ Cystoscope, 12° direction of view
- 253-829-030 RZ Cystoscope, 30° direction of view



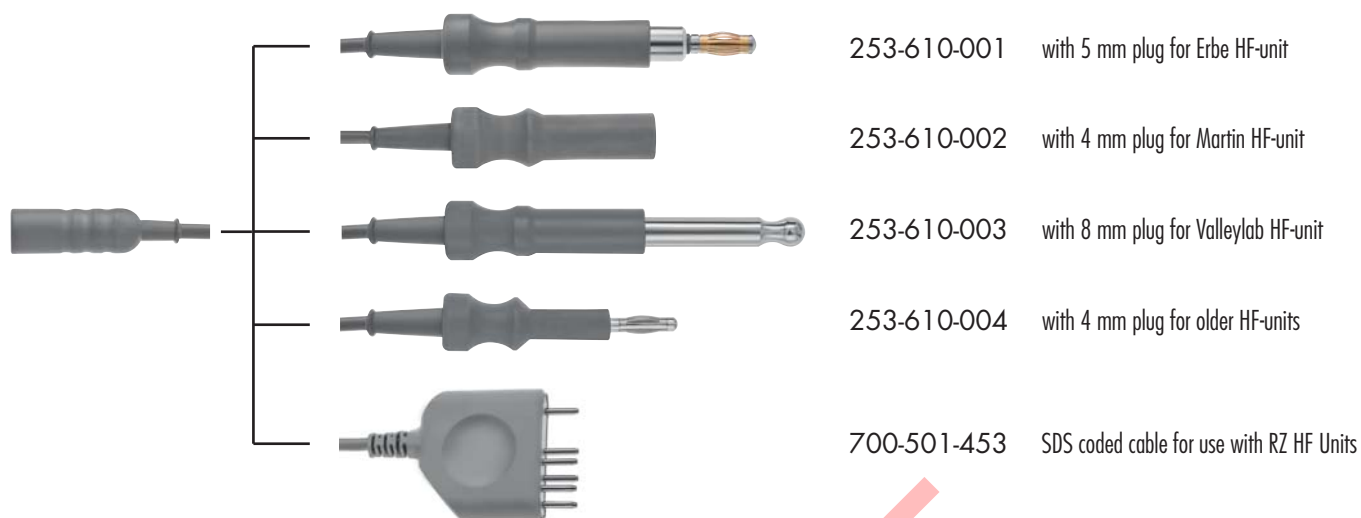
253-000-210
Passive Working Element



253-000-211
Active Working Element

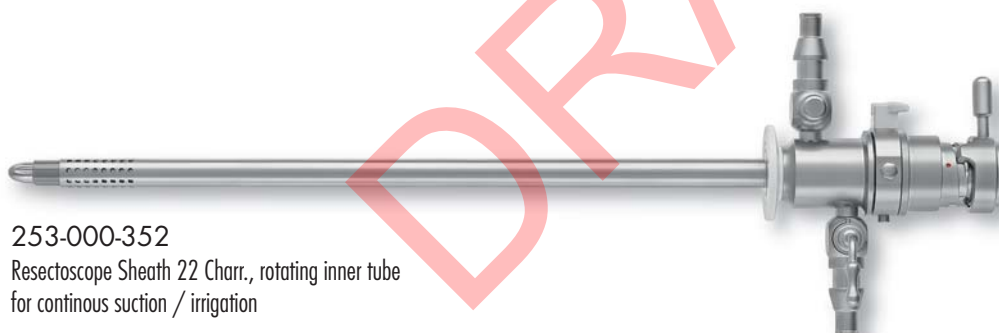


Monopolar High Frequency cables for use with RZ Resectoscopes, 4.5m length



253-000-552

Standard Resectoscope Sheath for slim resectoscope, 19 Charr.



253-000-352

Resectoscope Sheath 22 Charr., rotating inner tube for continuous suction / irrigation



253-000-501 Cutting Loop, angled



253-000-502 Cutting Loop, straight



253-000-503 Coagulation Electrode, knife



253-000-505 Coagulation Electrode, ball



253-000-507 Coagulation Electrode, roller

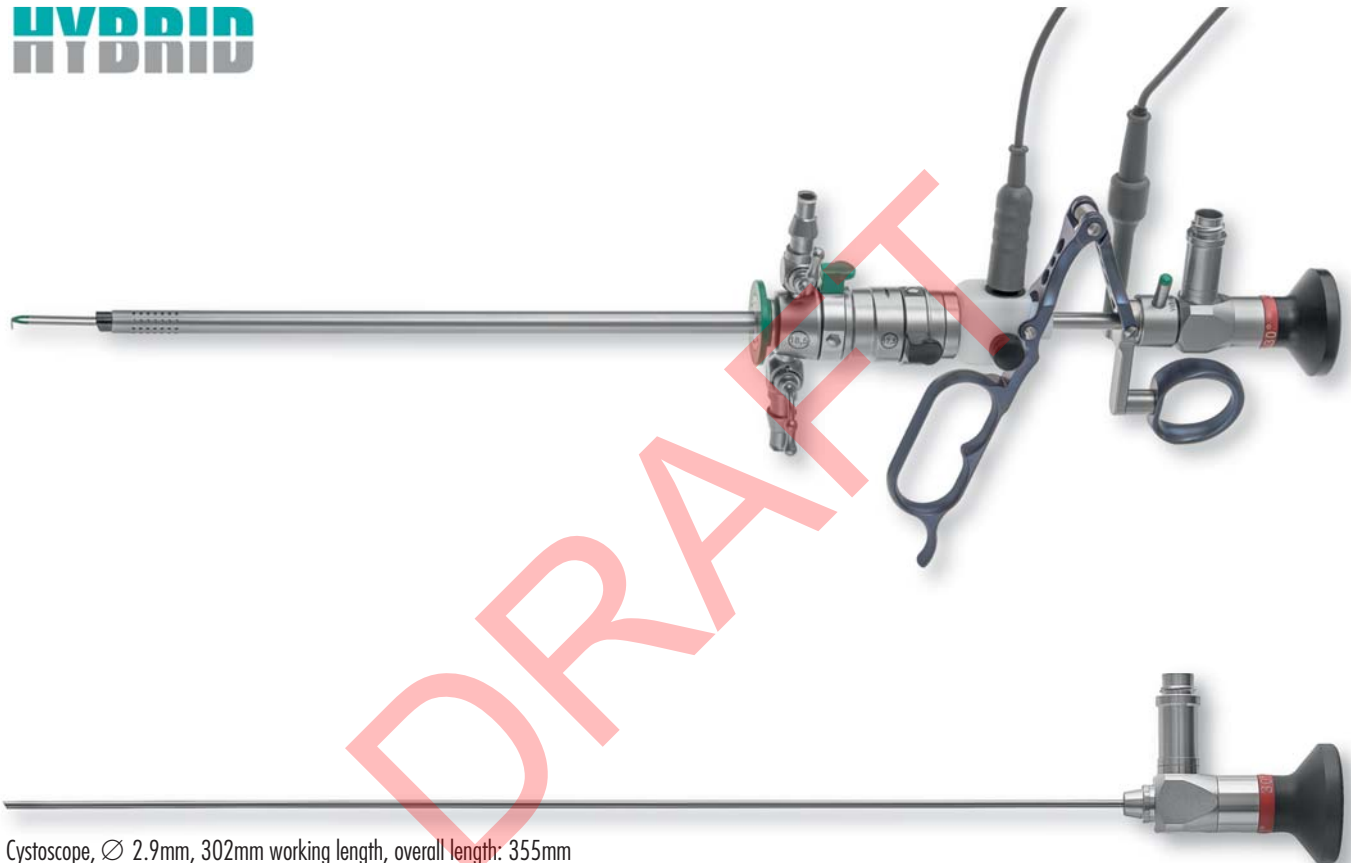
18.5 Charr. HYBRID Resectoscope Set

Due to the coded SDS-plugs, the surgeon just needs to connect the instrument with the generator and is able to start working without preconfiguring the settings.

The RZ HYBRID Resectoscope can be used either in the monopolar or in the bipolar mode. The surgeon just needs to change the cable, the irrigation fluid (Glycine/Sorbitol (mono) or NaCl-Solution (bipo)) and connect or disconnect the neutral electrode. The Resectoscope as well as the Electrodes can be used both ways in an hybrid mode.

The 18.5 Charr. set provides all requirements and programs for doing a monopolar as well as a bipolar resection under special anatomical conditions.

HYBRID



Cystoscope, Ø 2.9mm, 302mm working length, overall length: 355mm

253-829-030★ 30° direction of view

253-829-012 12° direction of view

Suitable monopolar cables can be found on page 32

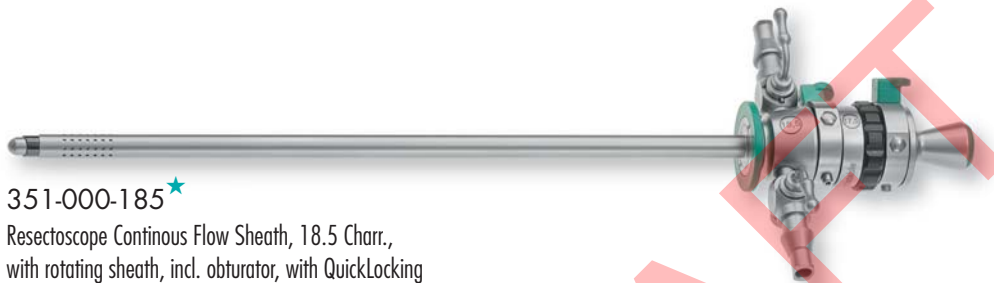
Suitable bipolar cables can be found on page 36



351-400-200★
Passive Titanium Working Element



351-400-201
Active Titanium Working Element



351-000-185★
Resectoscope Continuous Flow Sheath, 18.5 Charr.,
with rotating sheath, incl. obturator, with QuickLocking



351-000-180
Visual Obturator, with 5 Charr. working channel

16 Charr. Electrodes



351-000-201★

Cutting loop



351-000-202

Cutting loop, straight



351-000-203★

Knife Electrode



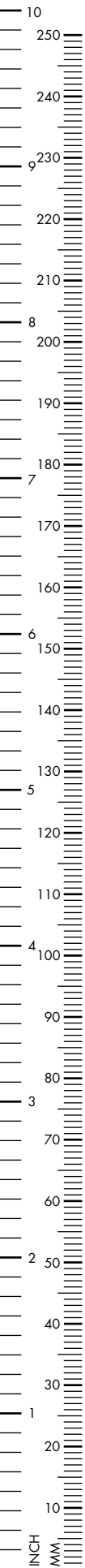
351-000-205★

Ball Electrode



351-000-206

Roller Electrode, 2mm

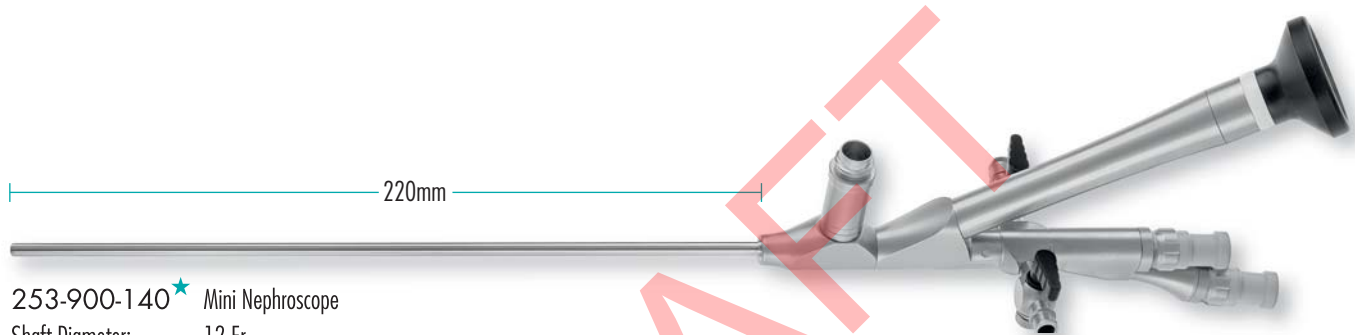


DRAFT

12 Charr.MINI NEPHROSCOPE

Mini PCNL: The continuous development of Nephroscopes with suitable instruments enables PCNL nowadays with working sleeves with only 15-21 Charr. The minor trauma to the kidney leads to the use of Mini-PCNL. Kidney stones will be fragmented with a pneumatic Lithotripter or laser lithotripsy system.

Due to the low-pressure suction effect around the RZ Mini Nephroscope the stone fragments will be removed with the irrigation flow. All RZ Mini Nephroscope sheaths are designed for continuous irrigation and suction.



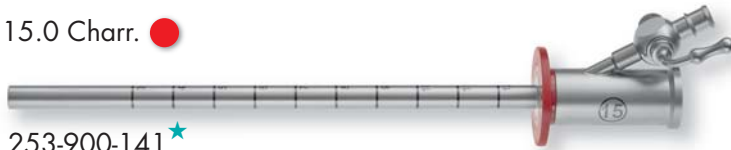
253-900-140★ Mini Nephroscope
 Shaft Diameter: 12 Fr.
 Working Channel: 7 Charr. for use with 5 Charr.RZ Instruments
 Working Length: 22cm
 Direction of view: 12°
 Pixel: 40,000



253-905-400★
 Silicone Valve, package with 5 pieces

OPERATING SHEATHS for use with RZ Mini Nephroscope

15.0 Charr. ●



253-900-141 ★

15.0 Charr. Nephroscope Sheath for Pediatric use or additional sheath in a multitract PCNL



253-900-146 ★

One-Step Dilator with 1 central guide wire channel for 253-900-141



253-900-145 ★

2-piece Sealing Adapter with sheath and obturator for use with 253-900-141

16.5 Charr. ●



253-900-142 ★

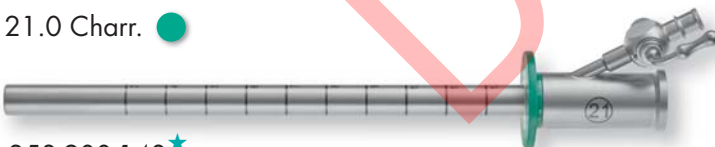
16.5 Charr. Nephroscope Sheath with automatic pressure control for Standard Procedures or additional sheath in a multitract PCNL



253-900-147 ★

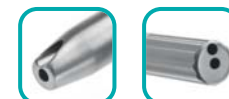
One-Step Dilator with 1 central guide wire channel and 1 excentric guide wire channel for 253-900-142

21.0 Charr. ●



253-900-143 ★

21.0 Charr. Nephroscope Sheath with automatic pressure control for lower calyx access in multitract PCNL



253-900-148 ★

One-Step Dilator with 1 central guide wire channel and 1 excentric guide wire channel for 253-900-143



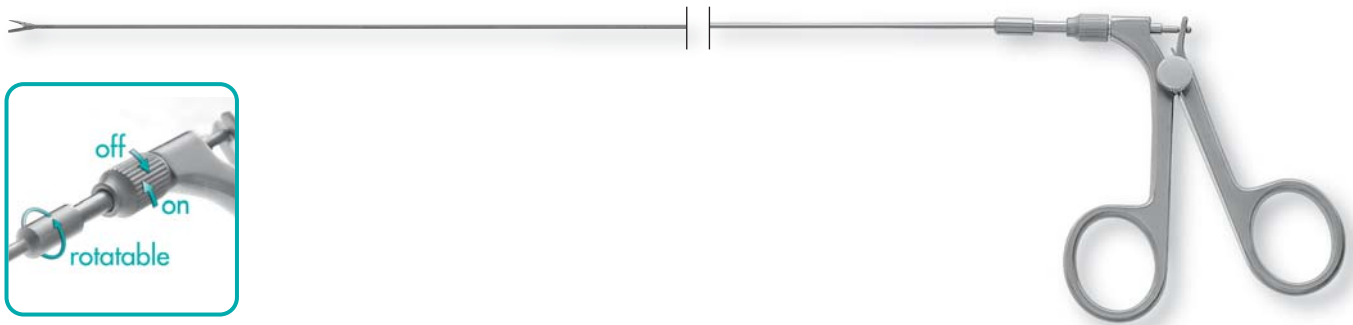
253-900-200 Sterile disposable Guide wire, J-tip, flexible, 150cm length



* please refer to page II for further informations

RZ NEPHROSCOPY INSTRUMENTS

450mm working length, semi-rigid, 5 Charr.



Stone Grasping Forceps
Double action jaws, retrograde serration

253-950-455★



Stone Grasping Forceps
For large stones, double action jaws, 1 x 1 teeth

253-952-455★



Hamada Long Stone Grasping Forceps
Double action jaws, fine serrated

253-954-455



Biopsy Forceps
Double action jaws

253-956-455★



Scissors
Single action jaws

253-958-455

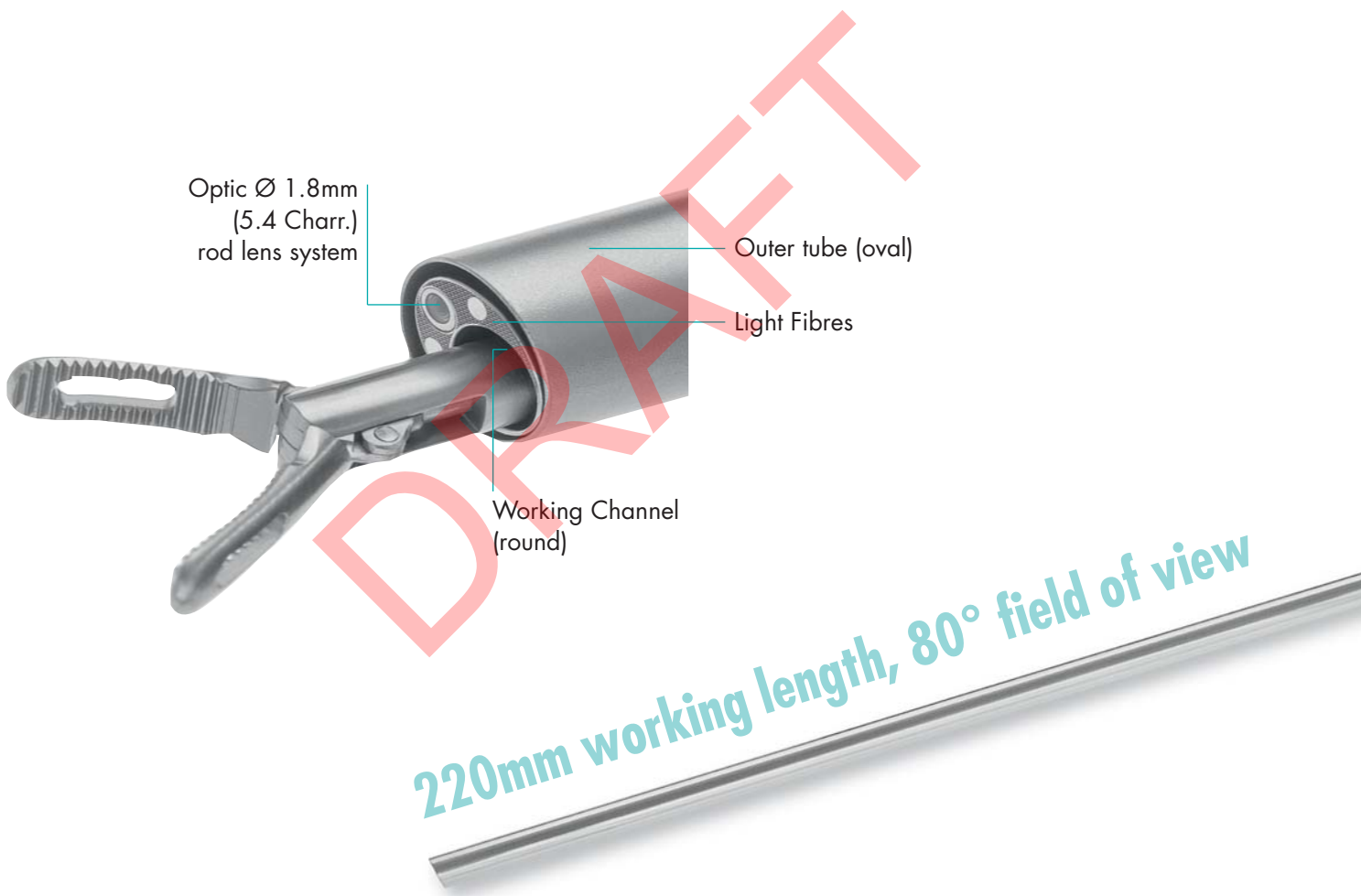


253-960-360★

Stone grasping forceps, rigid, 5 Charr., 400mm,
for grasping of bigger stones&-fragments
triple toothed jaw, U-spring handle

Features:

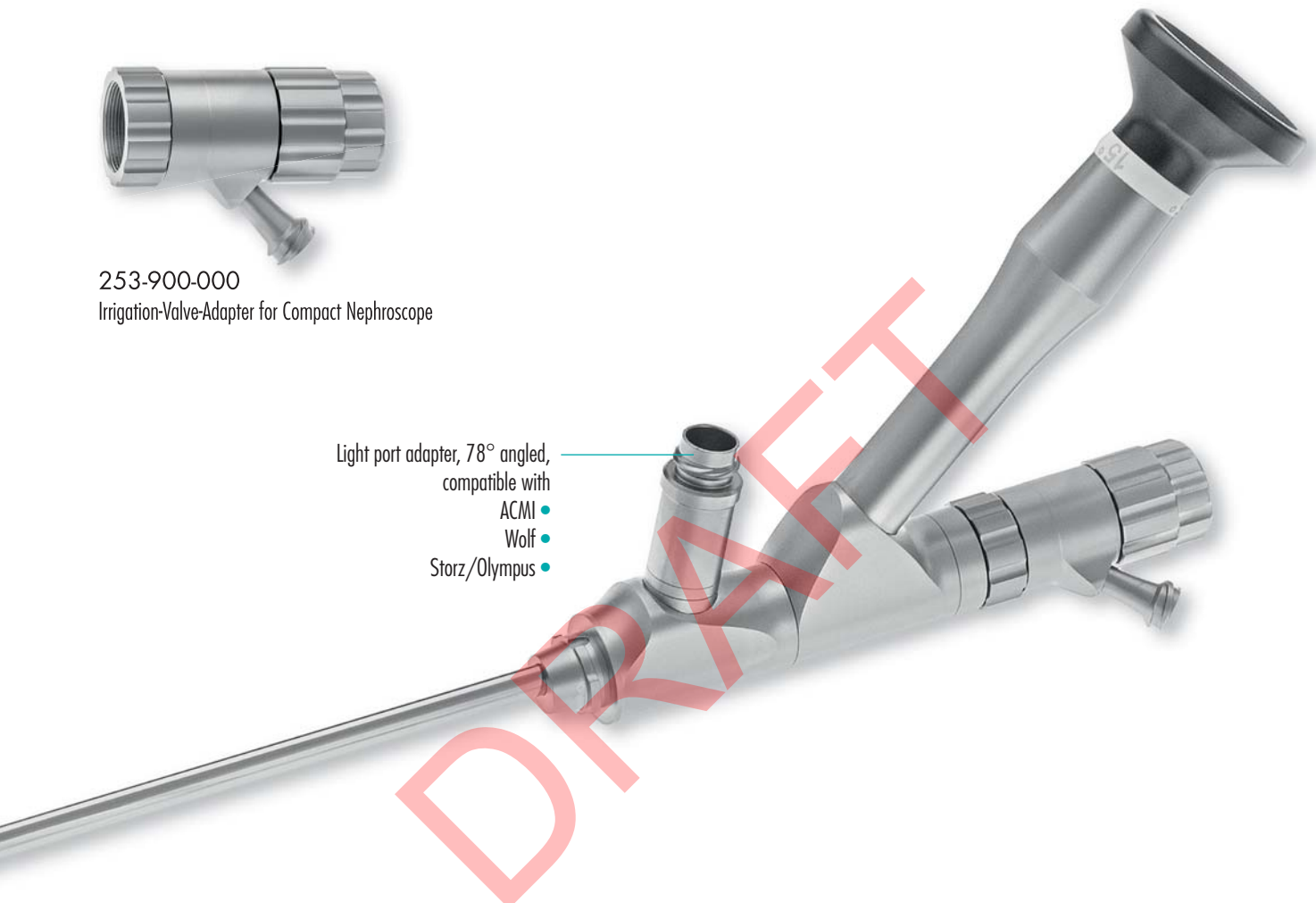
- a delicate sheath but with the advantage of a robust design
- an oval outer tube but with a round working channel
- a new Ø 1.8mm (5.4 Charr.) rod lens system to achieve finest image quality
- By using our
 - continuous-flow-system
 - swivel irrigation ring on the sheath and
 - the automatic valve,
 we introduce you to our user-friendly instruments.
- Extended working length (220mm) to be used in bariatric surgery.
- The direction of view of 15° or 30° allows you a field of view of 80°.
- We ensure the use of our common standard instruments in connection with our Compact Nephroscope up to 12 Charr. / Ø 4.0mm. For example, you can use: ultrasound probes, lithoclast, electrohydraulic litho-tripsy and mechanical instruments.



220mm working length, 80° field of view



253-900-000
Irrigation-Valve-Adapter for Compact Nephroscope

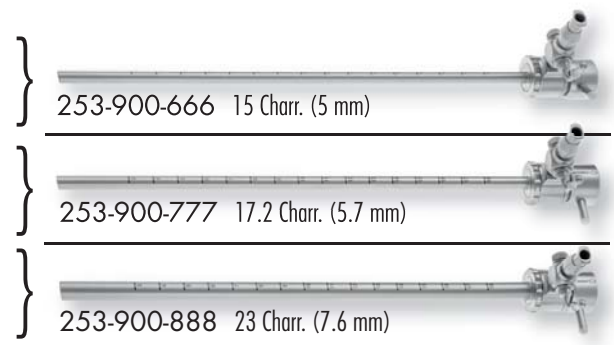


Light port adapter, 78° angled,
compatible with
ACMI •
Wolf •
Storz/Olympus •

Compact Nephroscope, including Irrigation-Valve-Adapter 253-900-000

Outer tube (oval)	Working channel (round)	Direction of view	Order No.
11.3 Charr. (3.8 mm)	5.4 Charr. (1.8 mm)	15°	253-900-615
		30°	253-900-630
13.8 Charr. (4.6 mm)	7.5 Charr. (2.5 mm)	15°	253-900-715
		30°	253-900-730
18.8 Charr. (6.3 mm)	12.9 Charr. (4.3 mm)	15°	253-900-815
		30°	253-900-830

SUITABLE SHAFT (with obturator, 220mm working length)





253-900-100 6° direction of view

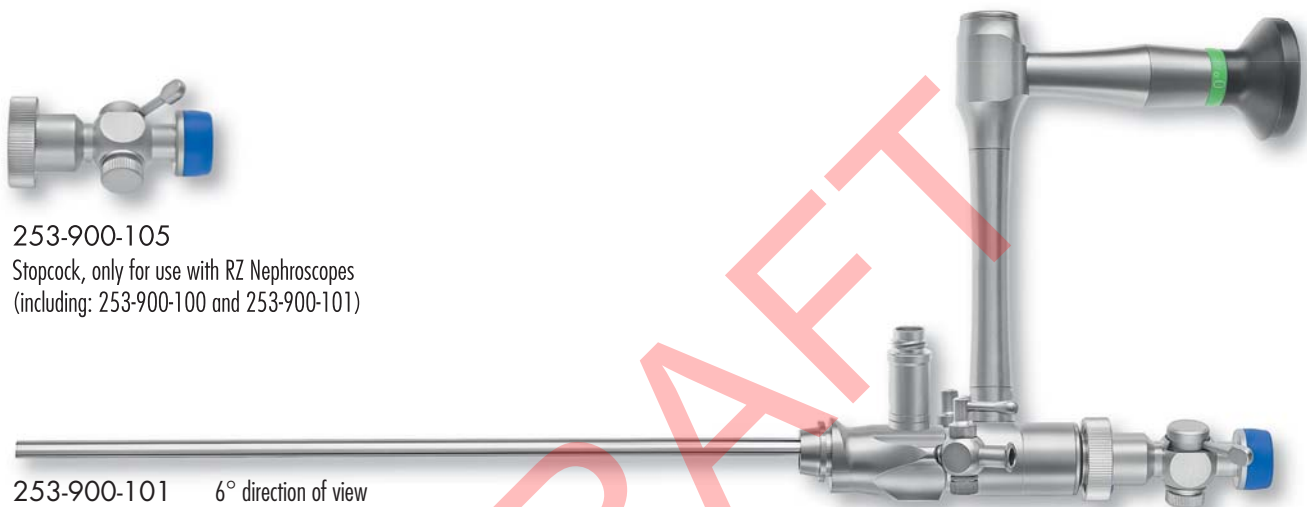
253-900-150 15° direction of view

RZ Nephroscope, oblique view, with 2 LuerLock stopcocks and detachable instrument stopcock



253-900-105

Stopcock, only for use with RZ Nephroscopes
(including: 253-900-100 and 253-900-101)



253-900-101 6° direction of view

253-900-151 15° direction of view

RZ Nephroscope, parallel view, with 2 LuerLock stopcocks and detachable instrument Stopcock



① 253-900-110 ★ Operating Sheath 26 Charr.

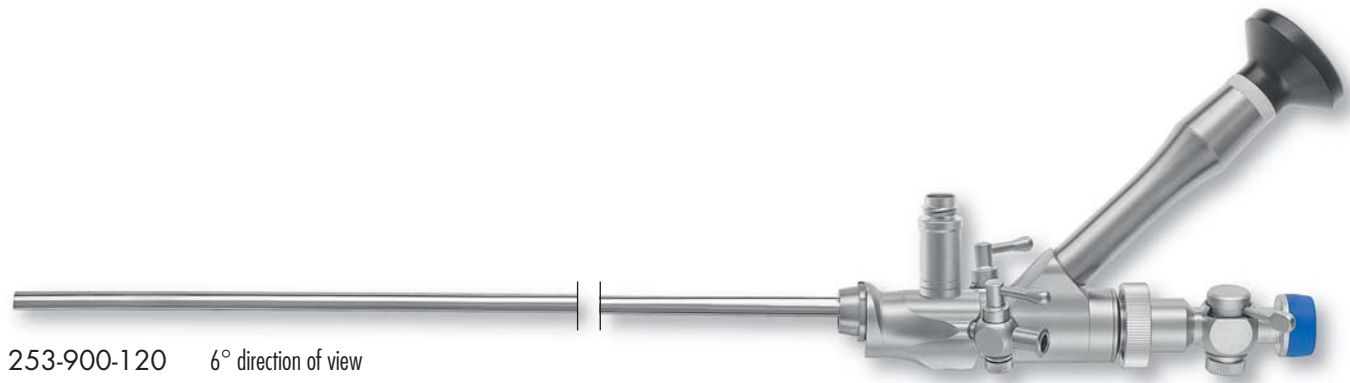
② 253-900-111 Operating Sheath 24 Charr.



① 253-900-115 ★ Hollow Obturator 26 Charr.

② 253-900-116 Hollow Obturator 24 Charr.

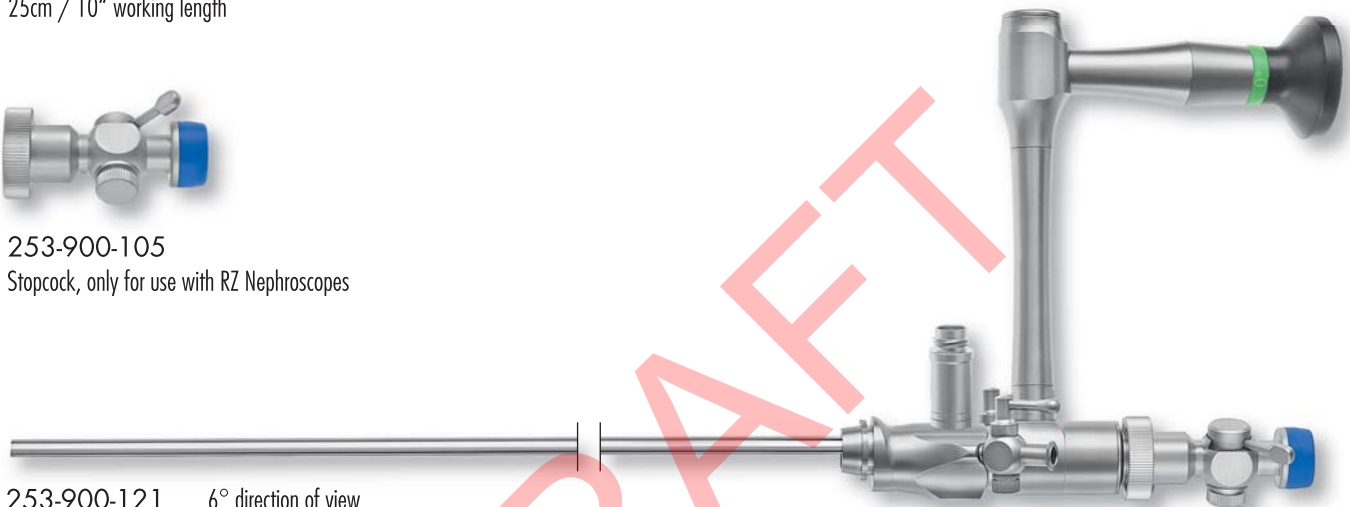




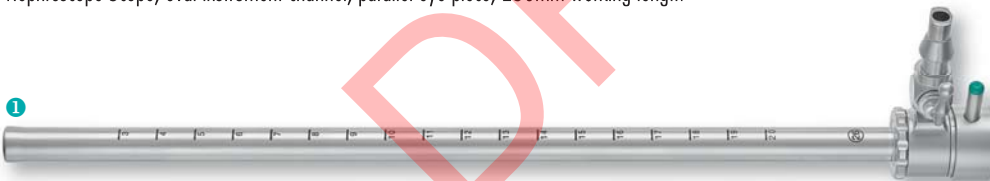
RZ Nephroscope, oblique view, with 2 LuerLock stopcocks and detachable instrument stopcock, 25cm / 10" working length



253-900-105
Stopcock, only for use with RZ Nephroscopes



Nephroscope Scope, oval instrument channel, parallel eye piece, 250mm working length



1 253-900-130 ★ Operating Sheath 26 Charr.
2 253-900-131 Operating Sheath 24 Charr.



1 253-900-135 ★ Hollow Obturator 26 Charr.
2 253-900-136 Hollow Obturator 24 Charr.



253-900-155★

Amplatz metal Dilator Set containing 6 Dilators with 9, 12, 15, 18, 21 and 24 Charr. and 2 flexible and 2 rigid guide rods for use with guide wires



253-900-156★

Amplatz metal Dilator 27 Charr.



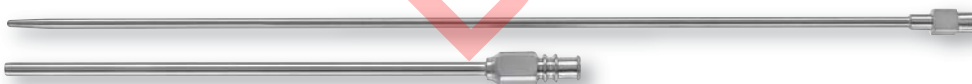
253-900-157★

Amplatz metal Dilator 30 Charr.



253-900-201★

Puncture Cannula with inner and outer cannula



253-900-202★

Dilation Cannula, 3mm Ø with inner and outer cannula



253-900-200

Sterile disposable Guide wire, J-tip, flexible, 150cm length



* please refer to page II for further informations



253-900-306★

3 Prong Stone Grasping Forceps for larger stones, with spring handle, 4mm, 360mm working length, with flushing port



Stone Grasping forceps with 3 sharp teeth, spring handle, with flushing port

253-900-206 360mm working length

253-900-246 430mm working length



Stone Grasping forceps with fenestrated jaws, spring handle, with flushing port

253-900-205 360mm working length

253-900-245 430cm working length

100-860-025

Suction Tube, Ø 2.5mm, 250mm working length, 10"

Knives, with three-ring-handle, 10.5Charr., 360mm length



253-900-238

Straight Knife



253-900-239

Sickle Knife



Stone Grasping forceps with fenestrated jaws, double action, ring handle, with flushing port

253-900-210 ★ 360mm working length

253-900-250 ★ 430mm working length



Stone Grasping forceps with coarse serrated jaws, double action, ring handle, with flushing port

253-900-212 ★ 360mm working length

253-900-252 ★ 430mm working length



Biopsy forceps with sharp cup, single action, ring handle, with flushing port

253-900-211 360mm working length

253-900-251 430mm working length



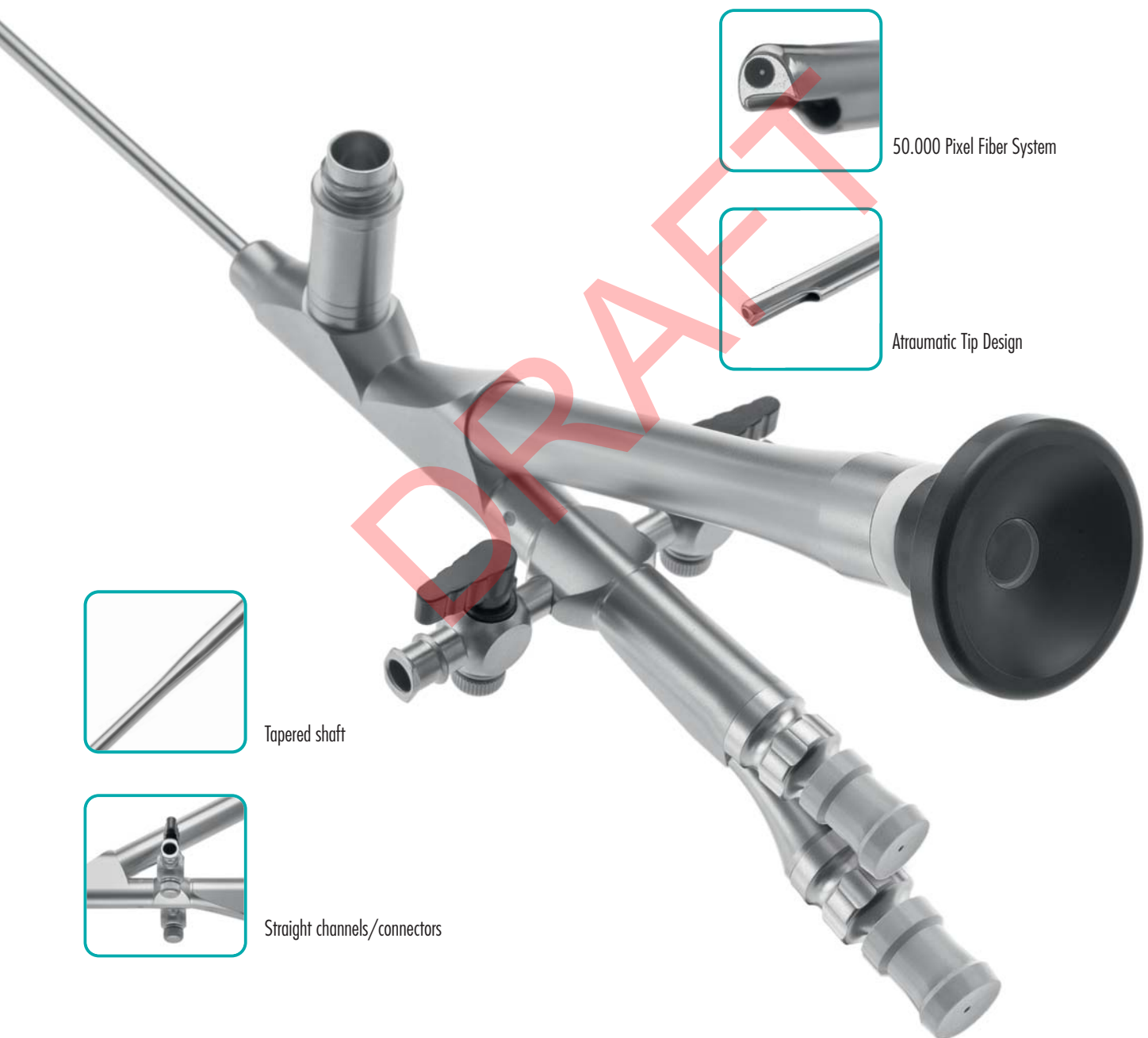
Scissors, sharp tip, single action, ring handle, with flushing port

253-900-213 360mm working length

253-900-253 430mm working length

Features and Benefits of the RZ Ureter-Renoscopes

- Full HD 50.000 Pixel Fiber System for brilliant picture quality
- Semi-flexible shaft for operations in difficult to access areas
- Atraumatic Tip Design for easy introduction into the ureteral orifice
- Soft-step tapered shaft for atraumatic dilation of the ureter
- Silicone valve system with 2 parallel sealings for leaking-free working channels
- 2 different working lengths, suitable for upper and lower ureter-renaloscopies
- Large working channels for use with all necessary accessories and instruments
- Irrigation/suction channels for better dilation and continuous suction
- Straight light connector and channels for ergonomic handling





Advanced Semi-Rigid Uretero-Renscope

253-905-540★ 450mm

253-905-530 310mm

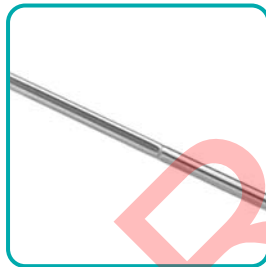
- Full HD 50.000 Pixel Fiber System for brilliant picture quality
- Semi-flexible shaft for operations in difficult to access areas
- Atraumatic tip design for easy introduction into the ureteral orifice
- Soft-step tapered shaft for atraumatic dilation of the ureter
- Silicone valve system with 2 parallel sealings for leaking-free working channels
- Large working channels for use with all necessary accessories and instruments
- Oblique irrigation/suction channels for better dilation and continuous suction, increases vision during bleedings

Shaft Diameter / Length

Distal Tip	7.0 Charr.
Distal	8.0 Charr.
Proximal	9.5 Charr.
Total Working Length	450mm or 310mm
Working Channel	5.8 Charr.
Field of view	65°
Direction of View	5°



90° stopcocks for more space and better position



The innovative semi-rigid designed one-piece tapered shaft allows easy insertion and gentle dilation.



New sealing system to stop water escape



Atraumatic tip design

Accessories



253-905-400★

Silicone Valve, package with 5 pieces



600-662-077

Endoscopic wire basket for URS
640 x 150 x 77mm



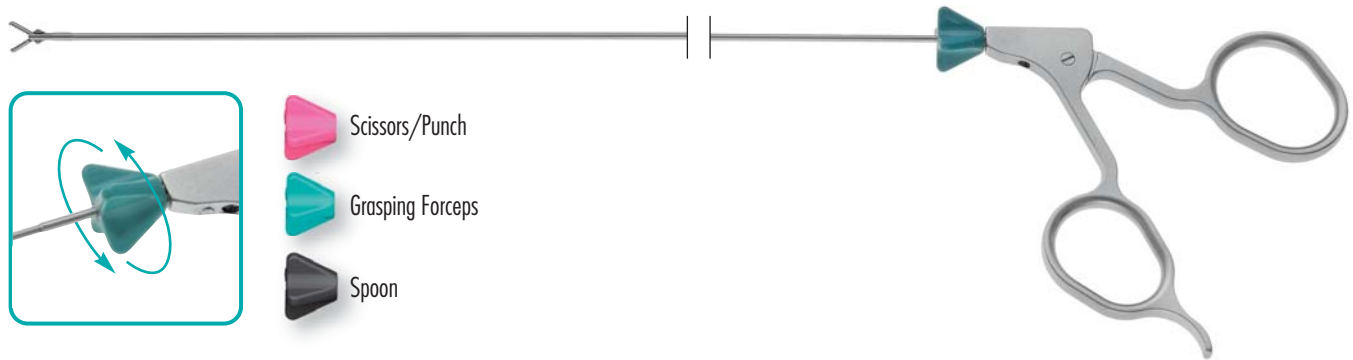
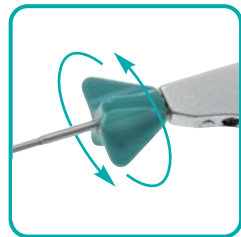
253-905-000

Container for URS with silicone inserts
640 x 140 x 60mm



253-900-001

Uretero-Renscope carrying case



5 Charr.

4 Charr.



rigid	253-950-005★	253-950-004★	Stone Grasping Forceps, double action jaws, 60cm length
flexible	253-951-005	253-951-004	



rigid	253-952-005★	253-952-004★	Stone Grasping Forceps for large stones, double action jaws, 60cm length
flexible	253-953-005	253-953-004	



rigid	253-954-005★	253-954-004★	HAMADA long Stone Grasping Forceps, double action jaws, 60cm length
flexible	253-955-005	253-955-004	



rigid	253-956-005★	253-956-004★	Biopsy Forceps, double action jaws, 60cm length
flexible	253-957-005	253-957-004	



rigid	253-958-005★	253-958-004★	Scissors, single action, 60cm length
flexible	253-959-005	253-959-004	



253-960-025	Stone Basket, 2.5 Charr., sterile single use, package of 5 pieces	
-------------	---	---



253-962-003	Brush for Cytology, 3.0 Charr., for single use, package of 5 pieces	
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253-940-005 3-Prongs Grasper, flexible, 600mm working length, 5 Charr.



253-585-005 Dormia Metal Stone Basket, flexible, 4 wires, 600mm working length, 5 Charr.

* Explanation: page II



253-910-540★ 450mm
253-910-530 310mm

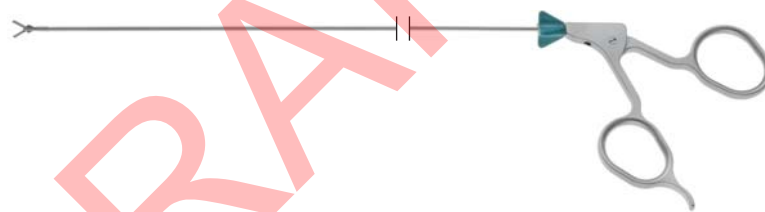
slim LINE

- Full HD 40.000 Pixel Fiber System for brilliant picture quality
- Semi-flexible shaft for operations in difficult to access areas
- Atraumatic tip design for easy introduction into the ureteral orifice
- Soft-step tapered shaft for atraumatic dilation of the ureter
- Silicone valve system with 2 parallel sealings for leaking-free working channels
- Large working channels for use with all necessary accessories and instruments
- Oblique irrigation/suction channels for better dilation and continuous suction, increases vision during bleedings

Shaft Diameter / Length	
Distal Tip	6.0 Charr.
Distal	7.0 Charr.
Proximal	7.5 Charr.
Total Working Length	450mm or 310mm
Working Channel	5 Charr.
Field of view	65°
Direction of View	5°



253-905-400★
Silicone Valve, package with 5 pieces



4 Charr. Instruments



rigid	253-950-004	Stone Grasping Forceps, double action jaws, 60cm length
flexible	253-951-004	



rigid	253-952-004	Stone Grasping Forceps for large stones, double action jaws, 60cm length
flexible	253-953-004	



rigid	253-954-004	HAMADA long Stone Grasping Forceps, double action jaws, 60cm length
flexible	253-955-004	



rigid	253-956-004	Biopsy Forceps, double action jaws, 60cm length
flexible	253-957-004	



rigid	253-958-004	Scissors, single action, 60cm length
flexible	253-959-004	



253-915-540★ 450mm
253-915-530 310mm

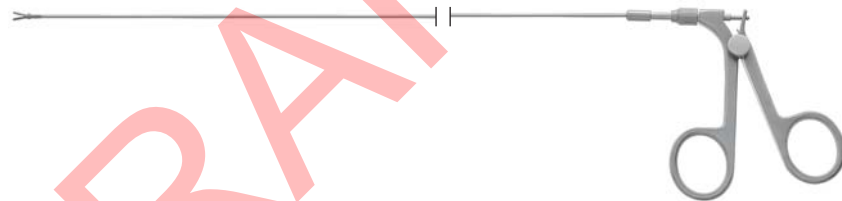
superslim LINE

- Full HD 30.000 Pixel Fiber System for brilliant picture quality
- Semi-flexible shaft for operations in difficult to access areas
- Atraumatic tip design for easy introduction into the ureteral orifice
- Soft-step tapered shaft for atraumatic dilation of the ureter
- Silicone valve system with 2 parallel sealings for leaking-free working channels
- Large working channels for use with all necessary accessories and instruments
- Oblique irrigation/suction channels for better dilation and continuous suction, increases vision during bleedings

Shaft Diameter / Length	
Distal Tip	4.5 Charr.
Distal	5.0 Charr.
Proximal	6.0 Charr.
Total Working Length	450mm or 310mm
Working Channel	4 Charr.
Field of view	65°
Direction of View	5°



253-905-400★
Silicone Valve, package with 5 pieces



3 Charr. Instruments



rigid	253-950-003	Stone Grasping Forceps, double action jaws, 60cm length
flexible	253-951-003	



rigid	253-952-003	Stone Grasping Forceps for large stones, double action jaws, 60cm length
flexible	253-953-003	



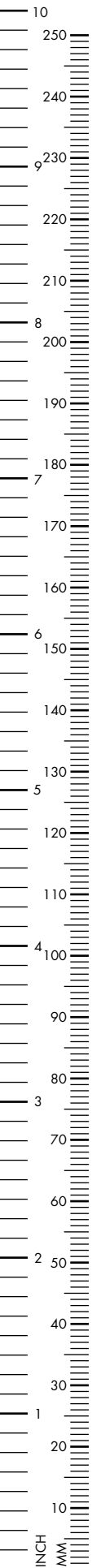
rigid	253-954-003	HAMADA long Stone Grasping Forceps, double action jaws, 60cm length
flexible	253-955-003	



rigid	253-956-003	Biopsy Forceps, double action jaws, 60cm length
flexible	253-957-003	

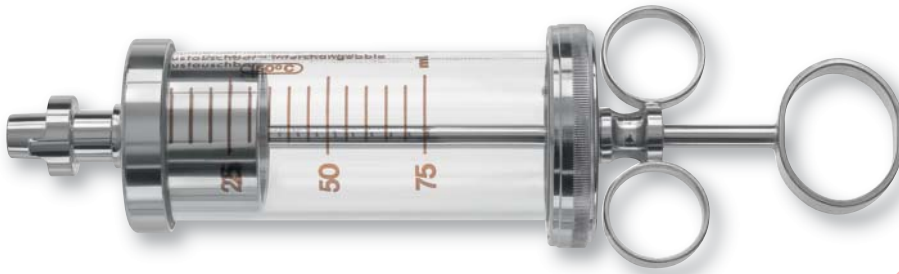


rigid	253-958-003	Scissors, single action, 60cm length
flexible	253-959-003	



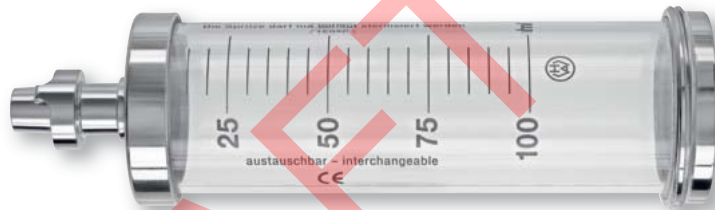
Horizontal lines for notes.

All RZ syringes are provided with the Turn Lock connection for fast, easy and safe connection to all RZ Cystoscope and Resectoscope sheaths



- 253-000-975 Bladder Syringe, 75cc
- 253-000-976 Spare glass cylinder, 75cc

- 253-000-900 Bladder Syringe, 100cc
- 253-000-901 Spare glass cylinder, 100cc



- 253-000-950★ Bladder Syringe, 150cc
- 253-000-951 Spare glass cylinder, 150cc

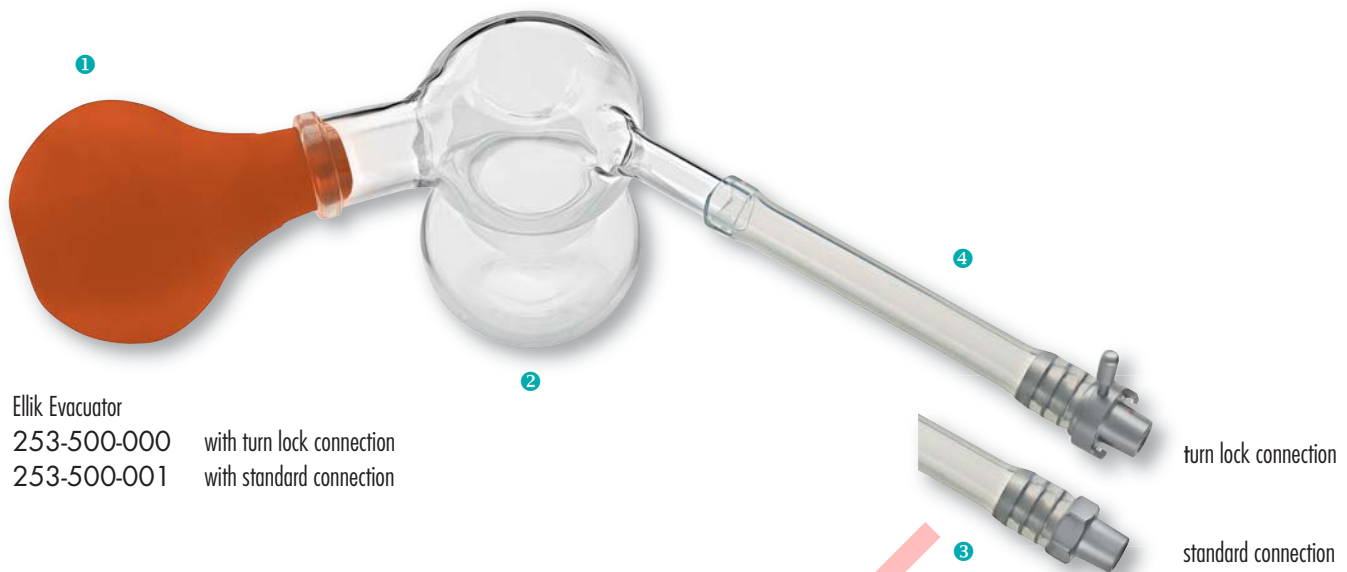
Spare glass cylinder



- 253-000-850 Toomey complete glass syringe, 50cc
- 253-000-800 Toomey complete glass syringe, 100cc



- 253-000-810
- Attachment for bladder catheters for use with Toomey syringes



Elik Evacuator
253-500-000 with turn lock connection
253-500-001 with standard connection

- 1 253-500-003 Rubber ball
- 2 253-500-004 Glass body
- 3 253-500-010 Standard connector with silicone tube
- 4 253-500-020 Turn Lock connector with silicone tube



300-011-181★
LuerLock tube
connector 9mm



300-011-506★
LuerLock tube
connector 6mm



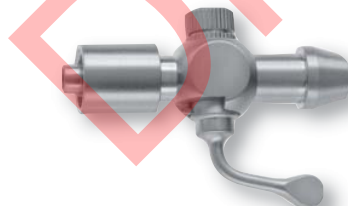
300-011-184★
LuerLock Tuohy
Borst Adapter



351-905-110
Silicone Valve, reusable, for instruments
up to Ø1.8mm (5.5Charr.)
with LL-Connection, 10pcs. per package



300-011-178
LuerLock one-way stop-cock
with spring screw cap



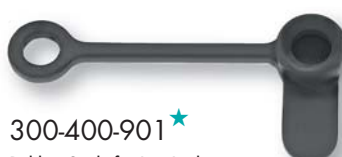
300-011-179★
LuerLock tube connector with stopcock



300-011-515★
LuerLock one-way stopcock



300-400-900★
Rubber Seals for LuerLock connectors



300-400-901★
Rubber Seals for LuerLock
connectors



301-701-100★
Grey Rubber cap for use
on all working channels



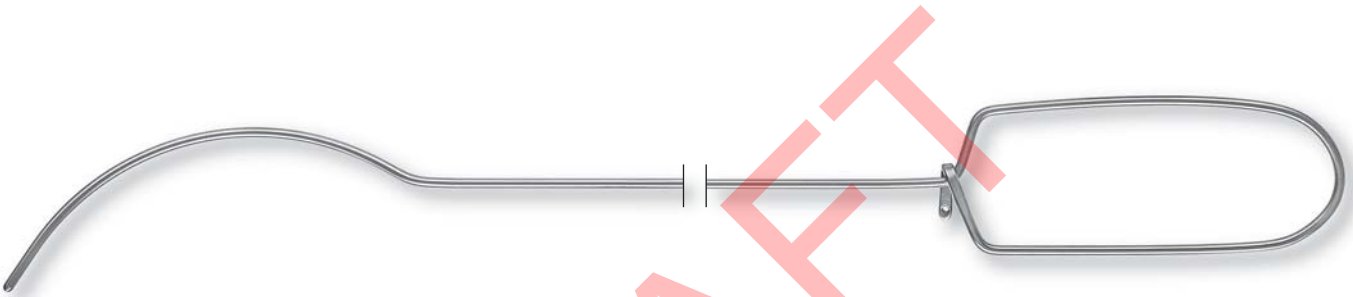
351-905-105
Disposable Silicone Valve with
LuerLock connection for use
with 3 - 10 Charr. instruments
sterile packed,
package with 10 pieces



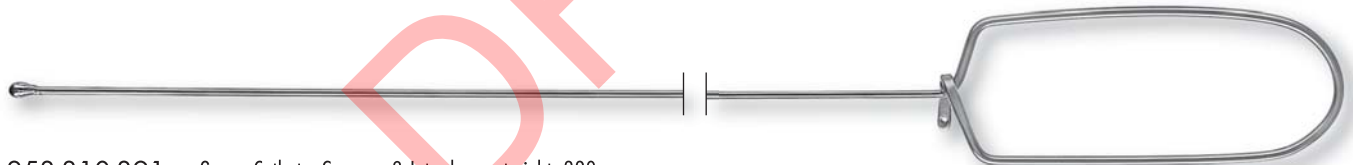
253-370-009 OTIS Bougie à Boule 9-12-15-18 Charr.
253-370-021 OTSI Bougie à Boule 21-24-27-30 Charr.



253-375-010 RZ Orifice Dilator 10-20 Charr.
253-375-015 RZ Orifice Dilator 15-30 Charr.



253-310-390★
Guyon Catheter Spanner & Introducer, curved, 390mm



253-310-391 Guyon Catheter Spanner & Introducer, straight, 390mm
253-310-392 Guyon Catheter Spanner & Introducer, straight, 455mm
253-310-393 Guyon Catheter Spanner & Introducer, straight, 510mm



320-603-455
Foley Catheter Spanner & Introducer, curved, 455mm



Guyon Bougies, strong curved

253-340-335★ 8 Charr.	253-349-335★ 22Charr.	253-354-335★ 28Charr.
253-341-335 9 Charr.	253-350-335★ 24Charr.	253-355-335★ 30Charr.
253-342-335★ 10 Charr.	253-351-335 25Charr.	253-356-335 32Charr.
253-343-335 11 Charr.	253-352-335★ 26Charr.	253-357-335 34Charr.
253-344-335★ 12 Charr.	253-353-335 27Charr.	
253-345-335★ 14 Charr.		
253-346-335★ 16 Charr.		
253-347-335★ 18 Charr.		
253-348-335★ 20 Charr.		



Van Buren Bougies, acutely curved

253-650-010★ 10 Charr.	253-650-024★ 24 Charr.
253-650-012★ 12 Charr.	253-650-026★ 26 Charr.
253-650-014★ 14 Charr.	253-650-028★ 28 Charr.
253-650-016★ 16 Charr.	253-650-030★ 30 Charr.
253-650-018★ 18 Charr.	253-650-032 32 Charr.
253-650-020★ 20 Charr.	253-650-034 34 Charr.
253-650-022★ 22 Charr.	253-650-036 36 Charr.



Dittel Bougies, slightly curved

253-320-335★ 8 Charr.	253-329-335★ 22 Charr.
253-321-335 9 Charr.	253-330-335★ 24 Charr.
253-322-335★ 10 Charr.	253-331-335 25 Charr.
253-323-335 11 Charr.	253-332-335★ 26 Charr.
253-324-335★ 12 Charr.	253-333-335 27 Charr.
253-325-335★ 14 Charr.	253-334-335★ 28 Charr.
253-326-335★ 16 Charr.	253-335-335★ 30 Charr.
253-327-335★ 18 Charr.	253-336-335 32 Charr.
253-328-335★ 20 Charr.	253-337-335 34 Charr.



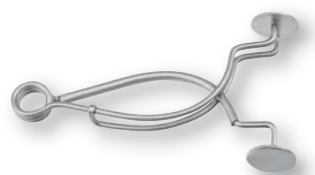
Dittel Bougies, straight

253-320-225	8 Charr.	253-329-225	22 Charr.
253-321-225	9 Charr.	253-330-225	24 Charr.
253-322-225	10 Charr.	253-331-225	25 Charr.
253-323-225	11 Charr.	253-332-225	26 Charr.
253-324-225	12 Charr.	253-333-225	27 Charr.
253-325-225	14 Charr.	253-334-225	28 Charr.
253-326-225	16 Charr.	253-335-225	30 Charr.
253-327-225	18 Charr.	253-336-225	32 Charr.
253-328-225	20 Charr.	253-337-225	34 Charr.



Ureteral Dilator, flexible, 500mm

	253-920-090	9 Charr.		253-920-135	13.5 Charr.
	253-920-105	10.5 Charr.		253-920-150	15 Charr.
	253-920-120	12 Charr.			



320-998-000
Stockmann Meatus Clamp, 8cm



320-999-000★
Strauss Penis Seizing Forceps, 13cm



Catheter for male

320-720-080	8 Charr.
320-720-100	10 Charr.
320-720-120	12 Charr.
320-720-140	14 Charr.
320-720-160	16 Charr.
320-720-180	18 Charr.
320-720-200	20 Charr.
320-720-220	22 Charr.
320-720-240	24 Charr.

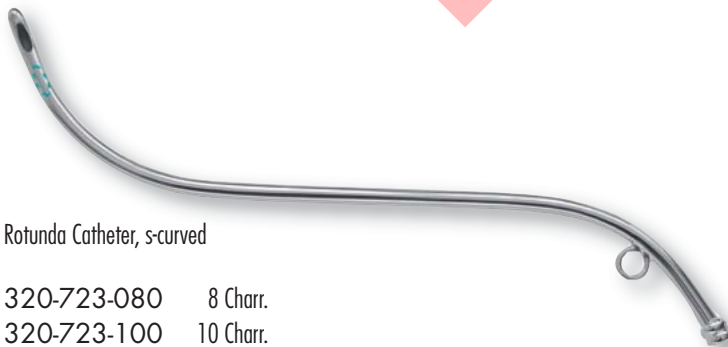


No sharp edges around fenestration



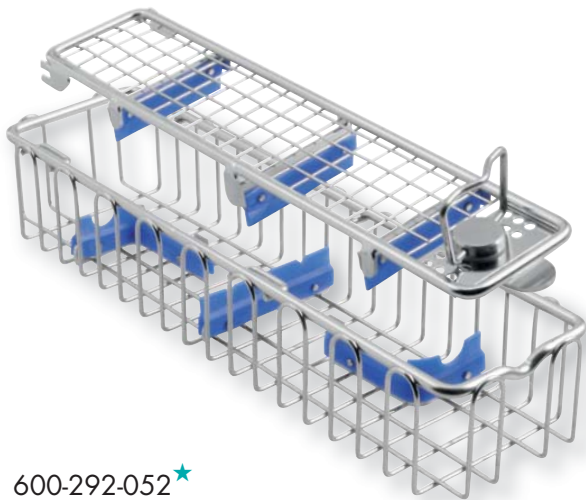
Catheter for female

320-721-080	8 Charr.
320-721-100	10 Charr.
320-721-120	12 Charr.
320-721-140	14 Charr.
320-721-160	16 Charr.
320-721-180	18 Charr.
320-721-200	20 Charr.
320-721-220	22 Charr.
320-721-240	24 Charr.



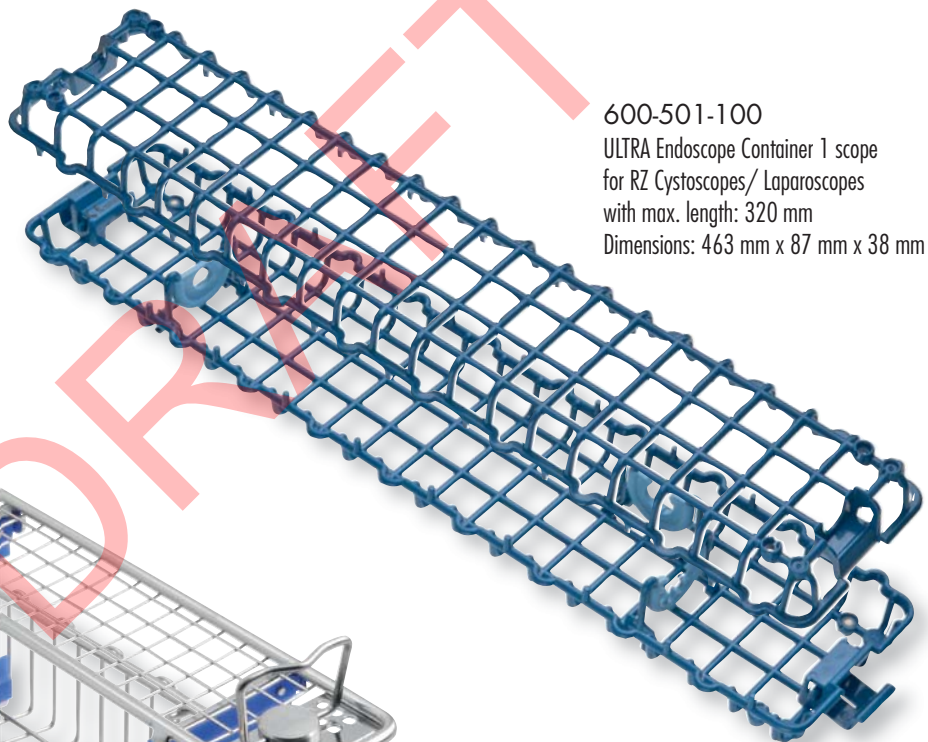
Rotunda Catheter, s-curved

320-723-080	8 Charr.
320-723-100	10 Charr.
320-723-120	12 Charr.
320-723-140	14 Charr.
320-723-160	16 Charr.
320-723-180	18 Charr.
320-723-200	20 Charr.
320-723-220	22 Charr.
320-723-240	24 Charr.



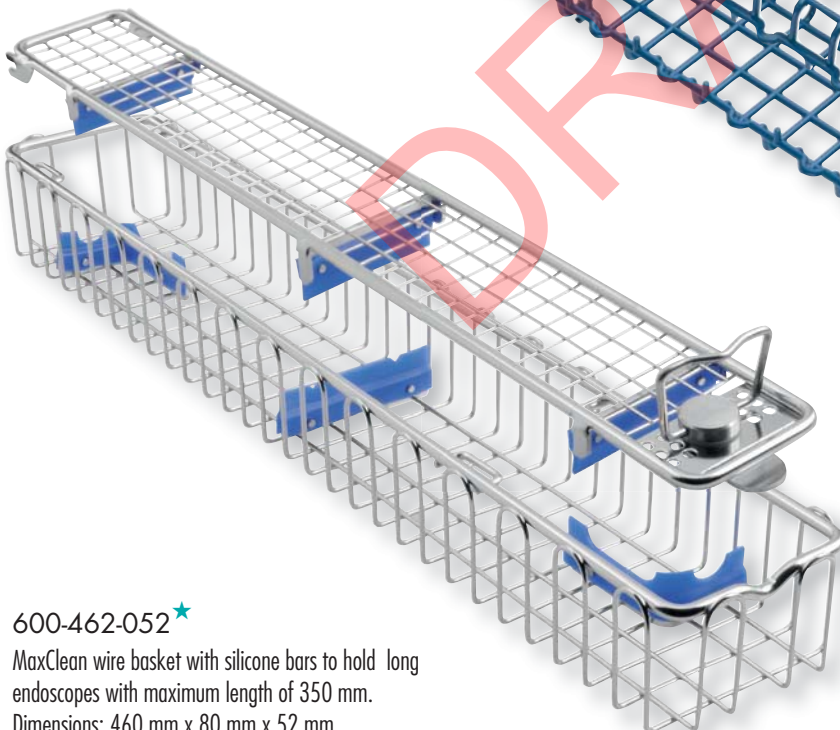
600-292-052★

MaxClean wire basket with silicone bars to hold 2 short endoscopes with maximum length of 190mm.
Dimensions: 290mm x 80mm x 52mm



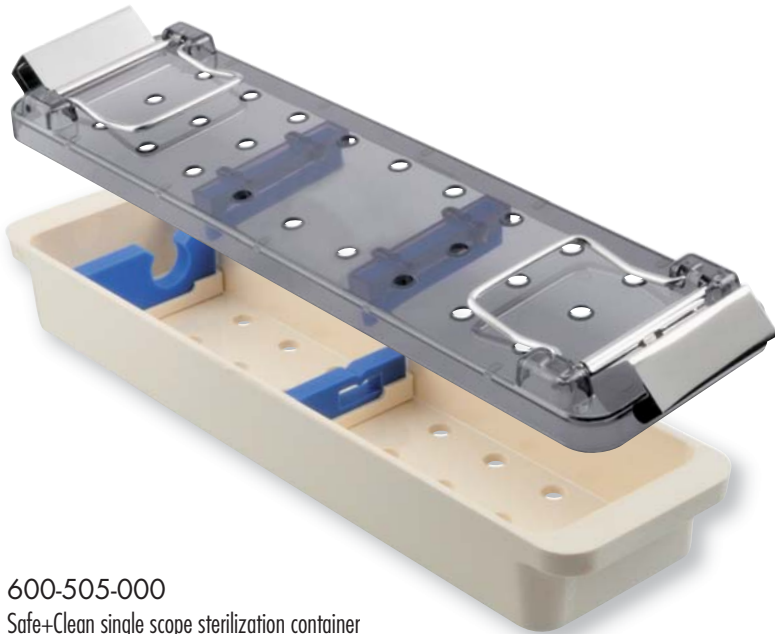
600-501-100

ULTRA Endoscope Container 1 scope for RZ Cystoscopes/ Laparoscopes with max. length: 320 mm
Dimensions: 463 mm x 87 mm x 38 mm

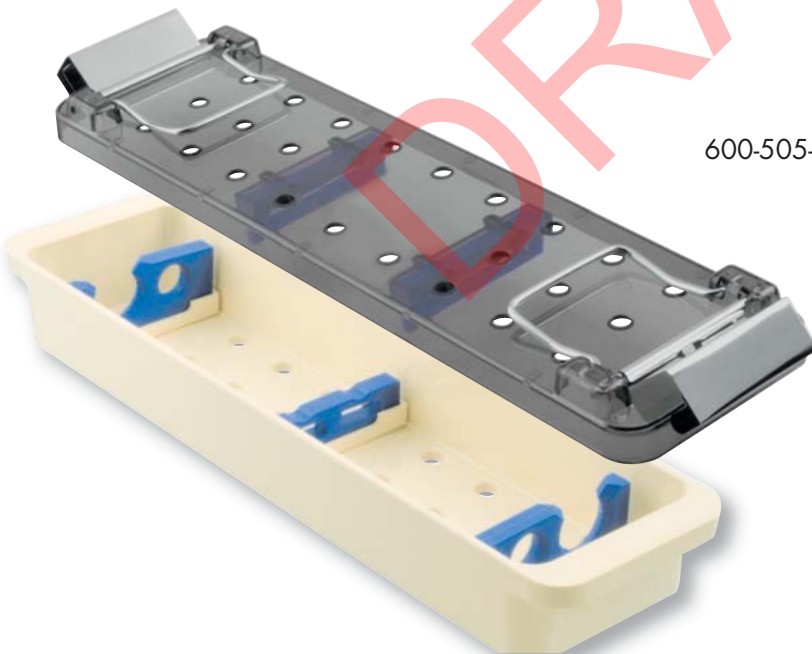


600-462-052★

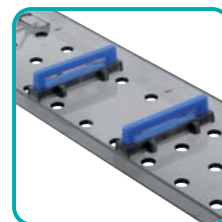
MaxClean wire basket with silicone bars to hold long endoscopes with maximum length of 350 mm.
Dimensions: 460 mm x 80 mm x 52 mm



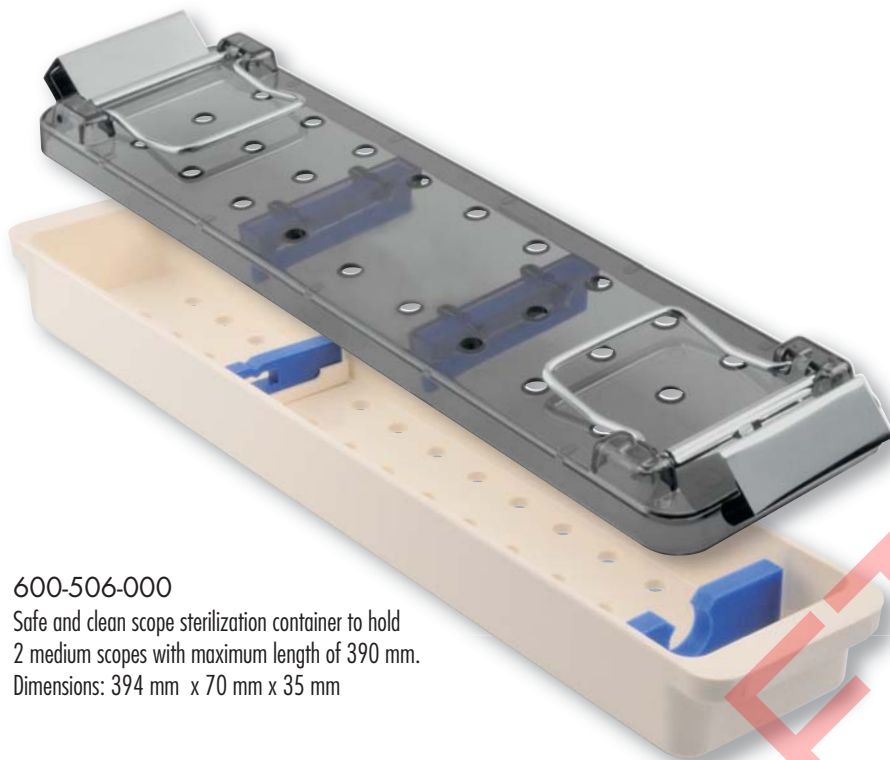
600-505-000
Safe+Clean single scope sterilization container
to hold 1 short scope with maximum length of 270 mm.
Dimensions: 271 mm x 70 mm x 35 mm
with silicone bars on base and lid



600-505-002 Safe+Clean double scope sterilization container to hold 2
short scopes with maximum length of 190 mm.
Dimensions: 271 mm x 70 mm x 35 mm

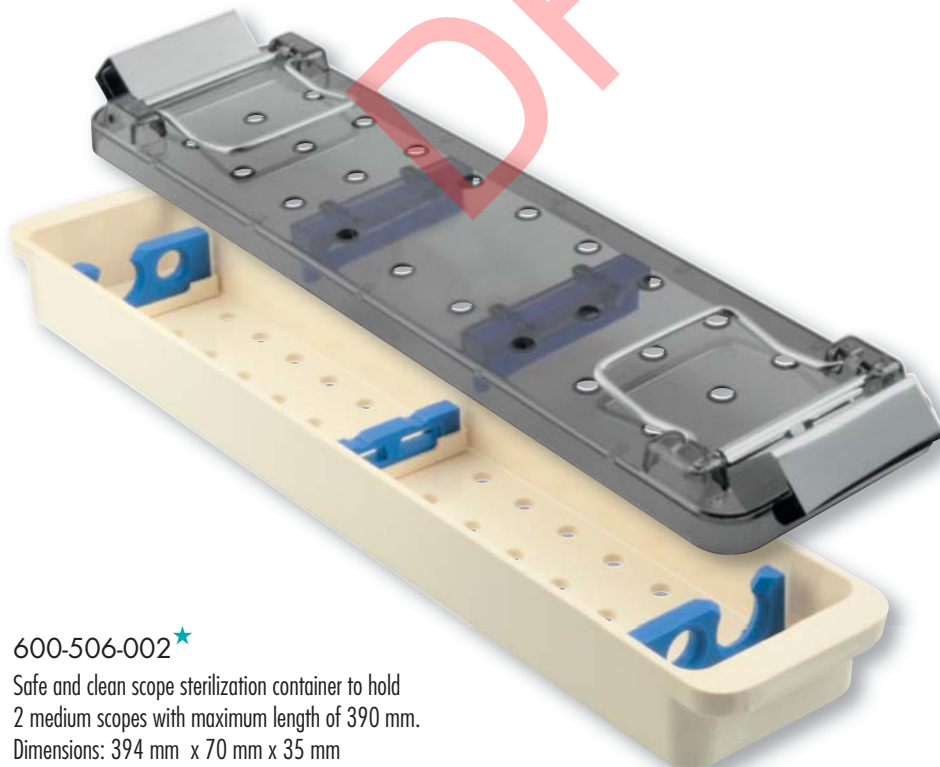


Safe and clean
with silicone bars on
base and lid



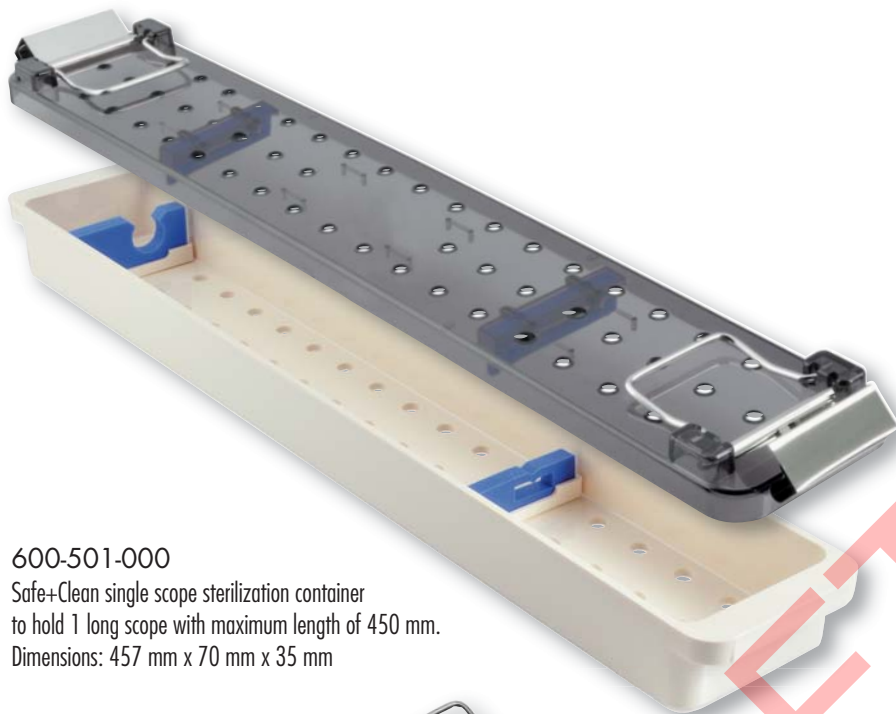
600-506-000

Safe and clean scope sterilization container to hold
2 medium scopes with maximum length of 390 mm.
Dimensions: 394 mm x 70 mm x 35 mm

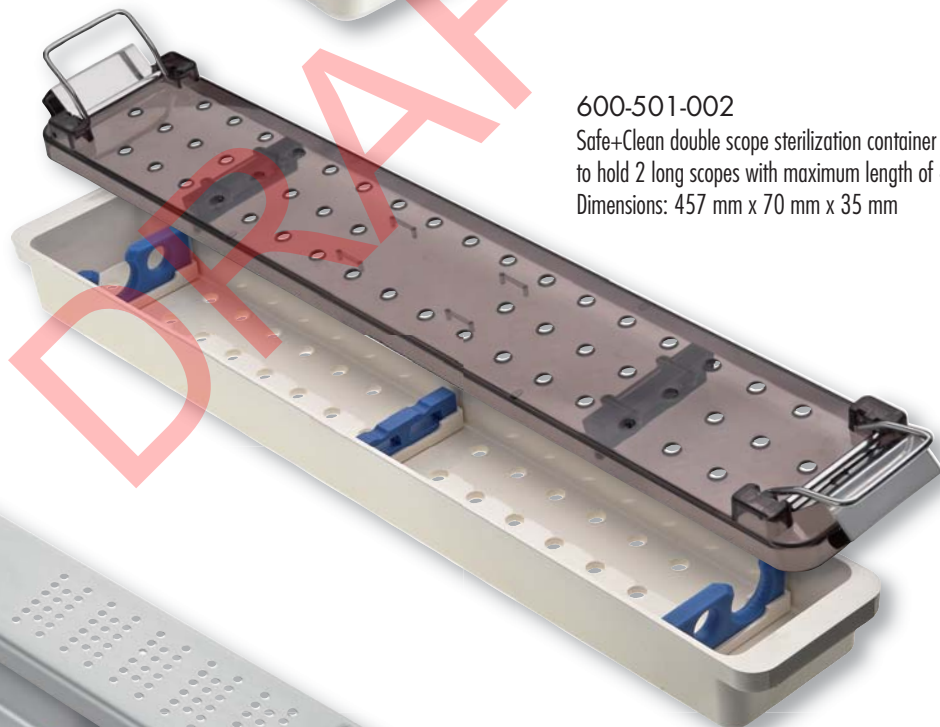


600-506-002★

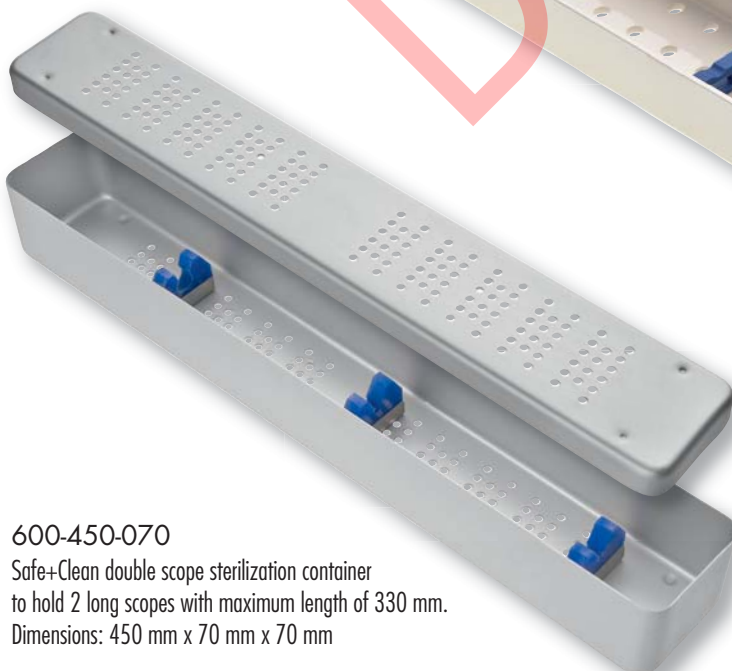
Safe and clean scope sterilization container to hold
2 medium scopes with maximum length of 390 mm.
Dimensions: 394 mm x 70 mm x 35 mm



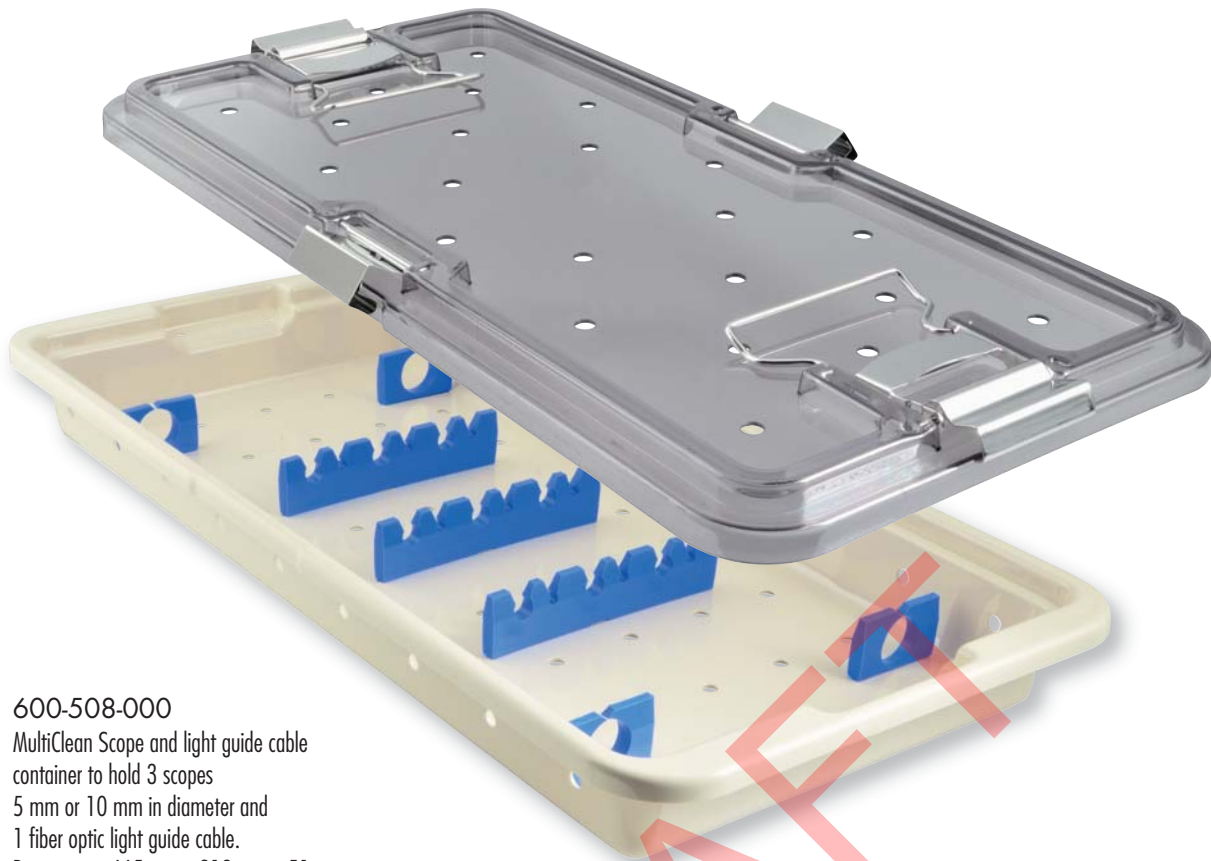
600-501-000
Safe+Clean single scope sterilization container
to hold 1 long scope with maximum length of 450 mm.
Dimensions: 457 mm x 70 mm x 35 mm



600-501-002
Safe+Clean double scope sterilization container
to hold 2 long scopes with maximum length of 450 mm.
Dimensions: 457 mm x 70 mm x 35 mm



600-450-070
Safe+Clean double scope sterilization container
to hold 2 long scopes with maximum length of 330 mm.
Dimensions: 450 mm x 70 mm x 70 mm



600-508-000

MultiClean Scope and light guide cable
container to hold 3 scopes
5 mm or 10 mm in diameter and
1 fiber optic light guide cable.
Dimensions: 465 mm x 212 mm x 51 mm



600-508-100

MultiClean Scope and light guide cable
container to hold 2 extra long endoscopes and 1 fiber optic light
guide cable.
Dimensions: 430mm x 155.5mm x 39.5mm



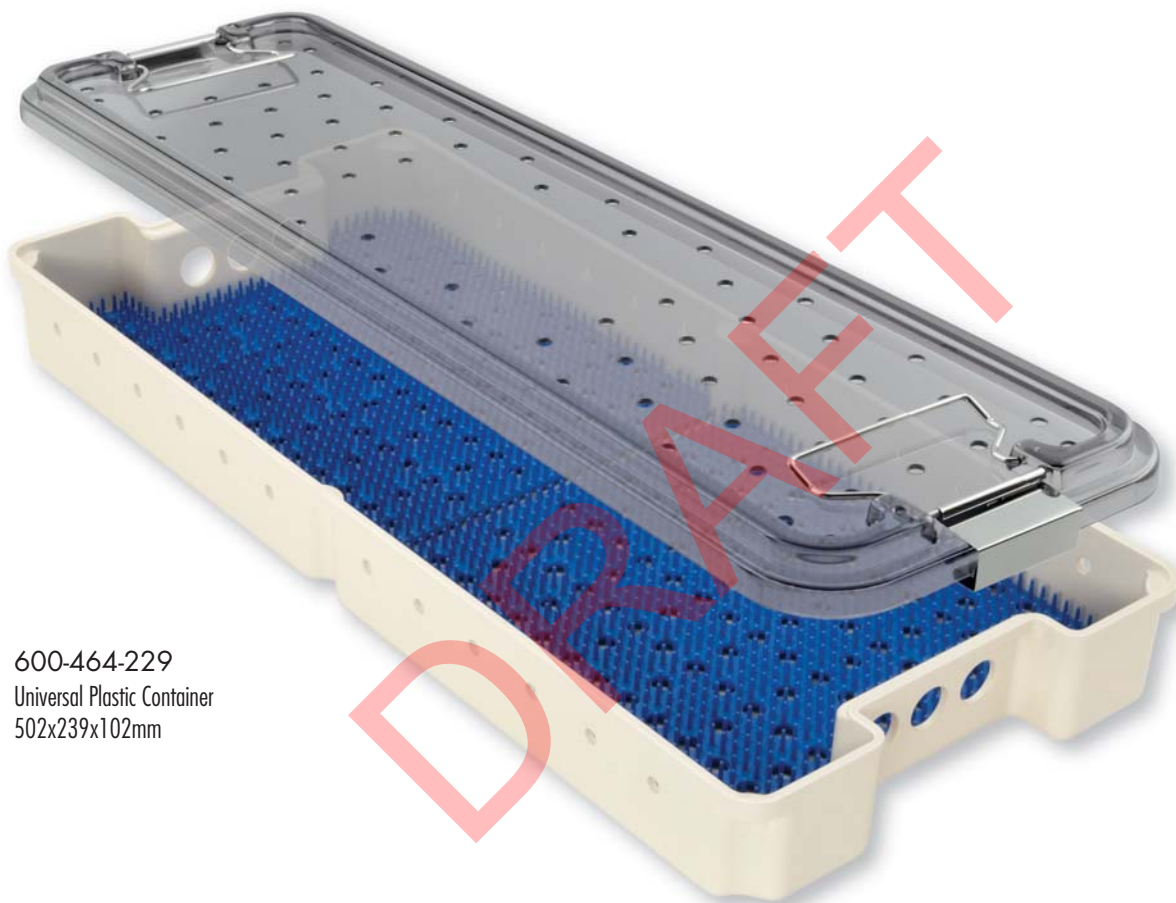
600-508-200

MultiClean Scope and light guide cable container
to hold long telescopes and 1 fiber optic cable.
Dimensions: 635 mm x 155 mm x 39 mm



600-511-000

Universal Plastic Container, suitable for
sterilization of various instruments on 2 levels.
Dimensions: 502mm x 239mm x 102mm



600-464-229
Universal Plastic Container
502x239x102mm



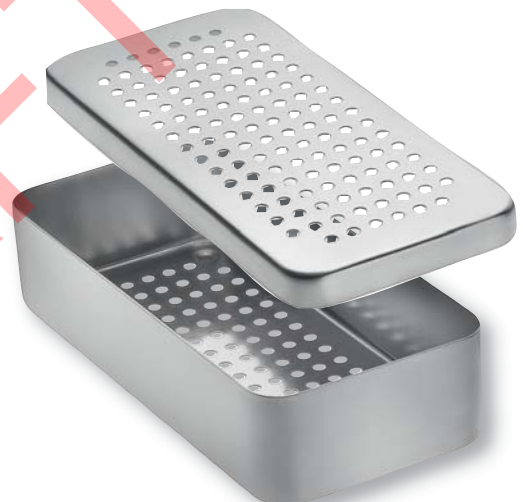
600-140-003
Stainless Steel Box, non perforated
210x100x30mm



600-140-013
Stainless Steel Box, perforated
210x100x30mm



600-140-004
Stainless Steel Box, non perforated
210x100x50mm



600-140-014
Stainless Steel Box, perforated
210x100x50mm



600-265-543
Stainless Steel Basket with
round perforation, with lid
265x175x43mm



Stainless Steel Basket with
round perforation, with lid

545mm length

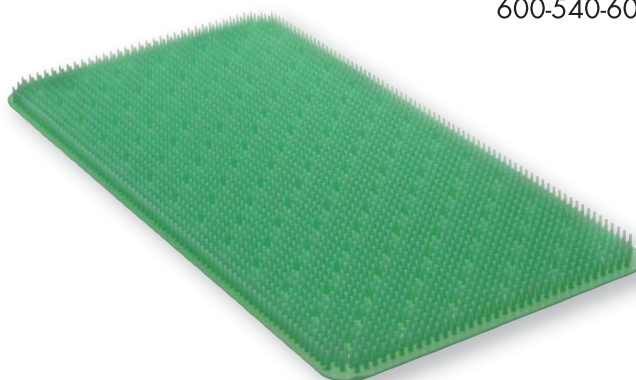
600-540-535	545 x 255 x 35mm
600-540-555	545 x 255 x 55mm
600-540-575	545 x 255 x 75mm
600-540-605	545 x 255 x 105mm



Lid only	
600-540-500	545 x 255 mm



Bottom only	
600-540-530	545 x 255 x 30mm
600-540-550	545 x 255 x 50mm
600-540-570	545 x 255 x 70mm
600-540-600	545 x 255 x 100mm



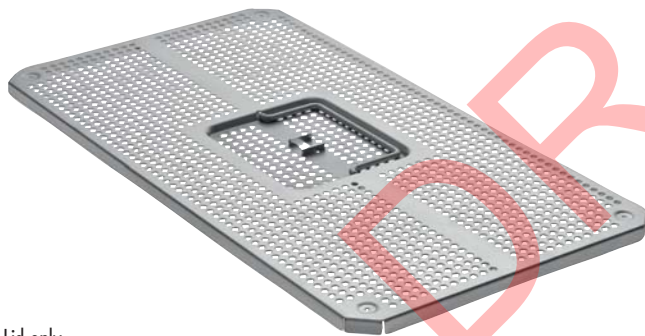
600-281-004 Silicone Mat green, 520x230mm



Stainless Steel Basket with
round perforation, with lid

485mm length

- | | |
|-------------|-------------------|
| 600-485-535 | 485 x 255 x 35mm |
| 600-485-555 | 485 x 255 x 55mm |
| 600-485-575 | 485 x 255 x 75mm |
| 600-485-605 | 485 x 255 x 105mm |



- Lid only
- | | |
|-------------|--------------|
| 600-485-500 | 485 x 255 mm |
|-------------|--------------|



- Bottom only
- | | |
|-------------|-------------------|
| 600-485-530 | 485 x 255 x 30mm |
| 600-485-550 | 485 x 255 x 50mm |
| 600-485-570 | 485 x 255 x 70mm |
| 600-485-600 | 485 x 255 x 100mm |



600-281-003 Silicone Mat green, 440x230mm



Stainless Steel Basket with
round perforation, with lid

3/4

405mm length

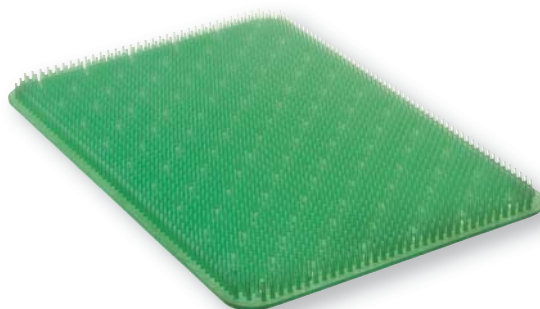
600-405-535	405 x 255 x 35mm
600-405-555	405 x 255 x 55mm
600-405-575	405 x 255 x 75mm
600-405-605	405 x 255 x 105mm



Lid only	
600-405-500	405 x 255 mm



Bottom only	
600-405-530	405 x 255 x 30mm
600-405-550	405 x 255 x 50mm
600-405-570	405 x 255 x 70mm
600-405-600	405 x 255 x 100mm



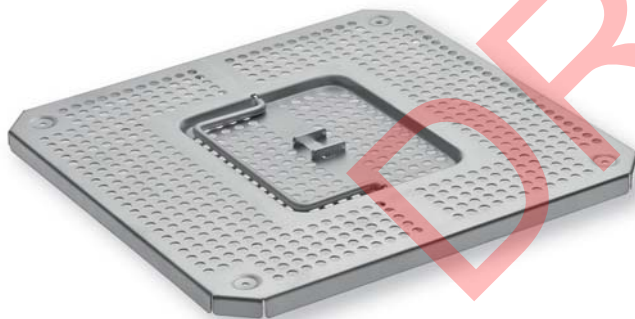
600-281-002 Silicone Mat green, 380x230mm



Stainless Steel Basket with
round perforation, with lid

1/2
255mm length

600-255-535	255 x 245 x 35mm
600-255-555	255 x 245 x 55mm
600-255-575	255 x 245 x 75mm
600-255-605	255 x 245 x 105mm



Lid only
600-255-500 255 x 245 mm



Bottom only
600-255-530 255 x 245 x 30mm
600-255-550 255 x 245 x 50mm
600-255-565 255 x 245 x 70mm
600-255-600 255 x 245 x 100mm



600-281-001 Silicone Mat green, 220x230mm



600-100-000
RZ-AquaJet
Water Jet Pistol complete
with 9 tips and 1m pressure
tubing, with strap and
suspension hook



300-135-905
Cleaning brush for Ø 5mm, 500mm length (1 piece per box)



300-135-910
Cleaning brush for Ø 10mm, 500mm length (1 piece per box)



300-215-000
Cleaning brush, length 215mm, brush length 60mm, brush Ø 13mm



300-420-065
Cleaning brush, length 420mm, brush length 65mm, brush Ø 3mm



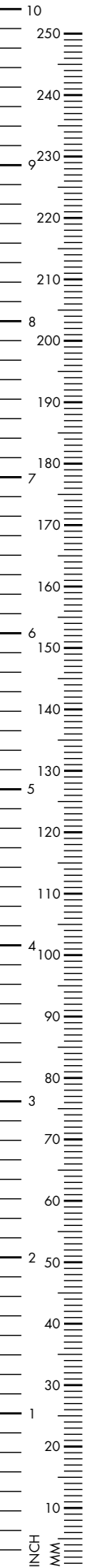
700-900-250
Oil Dispenser, 140mm



700-900-160
Instrument Oil in 50ml bottle



700-900-220
Special Cotton for polishing
metal sheaths and instruments



DRAFT

Handwriting practice lines consisting of horizontal blue lines.



253-910-000 Basic Irrigation Pump P1

This unit offers all basic functions for irrigation in hysteroscopic surgery. Thanks to hydrostatic pressure regulation, the precise pressure in the treated body part is displayed. State-of-the-art and reliable technology features this versatile Pump.

Features:

- Hydrostatic pressure regulation
- Silicone tubing set included (225-910-001)
- Easy to operate, splash-proofed display
- Highly reliable tube guide and handling
- Skid-proof pedestals

Accessories:

253-910-001	Irrigation tubing set, silicone, autoclavable	non-sterile	included
253-910-002	Irrigation tubing set, PVC, 20 pieces	sterile	optional
253-910-003	Patient tube, PVC, 2,5m, 40 pieces	sterile	optional

Delivery contains:

- Pump device
- Tubing set
- Mains cable
- 2 Spare fuses

Technical data

Line Voltage	100-230 V/AC - Fuse T 3.15 A L 250 V	Irrigation Power	0 - 1.0 l/min
Frequency	50-60 Hz	Pressure Range	10 - 150 mm Hg
Power Input	60 VA	Operating Conditions	+10 to +40°C Relative humidity of air: 30 - 70%
Device Type acc. to DIN EN 60601-1:2005	BF	Store and Transport Conditions	- 40 to +70°C Relative humidity of air (not condensed): 10 - 90%
Classified acc. to EG-Guidelines 93/42/EEC	Ila	Splash-proofed	IPX 1
Safety Class acc. to DIN EN 60601-1:2005	I	Registration	CE 1253
Manufactured and tested according to	DIN EN 60601-1:2005	Measurements	380 x 130 x 400 mm (WxHxD)
Radio interference suppression	DIN EN 60601-1-2:2007	Weight	Ca. 11 kg



253-750-100
L 100 Lithotripter

- Energy transmission occurs purely mechanically resulting in high efficient stone fragmentation
- The smallest probe diameter is only 0.6mm, which ensures a larger lumen for efficient irrigation. Auxiliary instruments can also be inserted
- The handling of the RZ URO LITH is very simple and all parts are easy to disassemble for cleaning purposes
- Our system is compatible to other RZ and other instruments for the therapy of ureteric, renal and bladder stones
- The hand piece as well as the intracorporeal probe are non conductive elements which ensure the safety for patients as well as users against current conduct



253-750-010
Air compressor, 4 bar maximum



Litho Probe, 605mm working length

253-850-006	0.6mm	253-850-016	1.6mm
253-850-008	0.8mm	253-850-020	2.0mm, 450mm length
253-850-010	1.0mm	253-850-025	2.5mm, 450mm length
253-850-012	1.2mm		

253-750-011
PVC tube, 2.5m to connect lithotripter and air compressor (not illustrated)



253-750-150
Footswitch



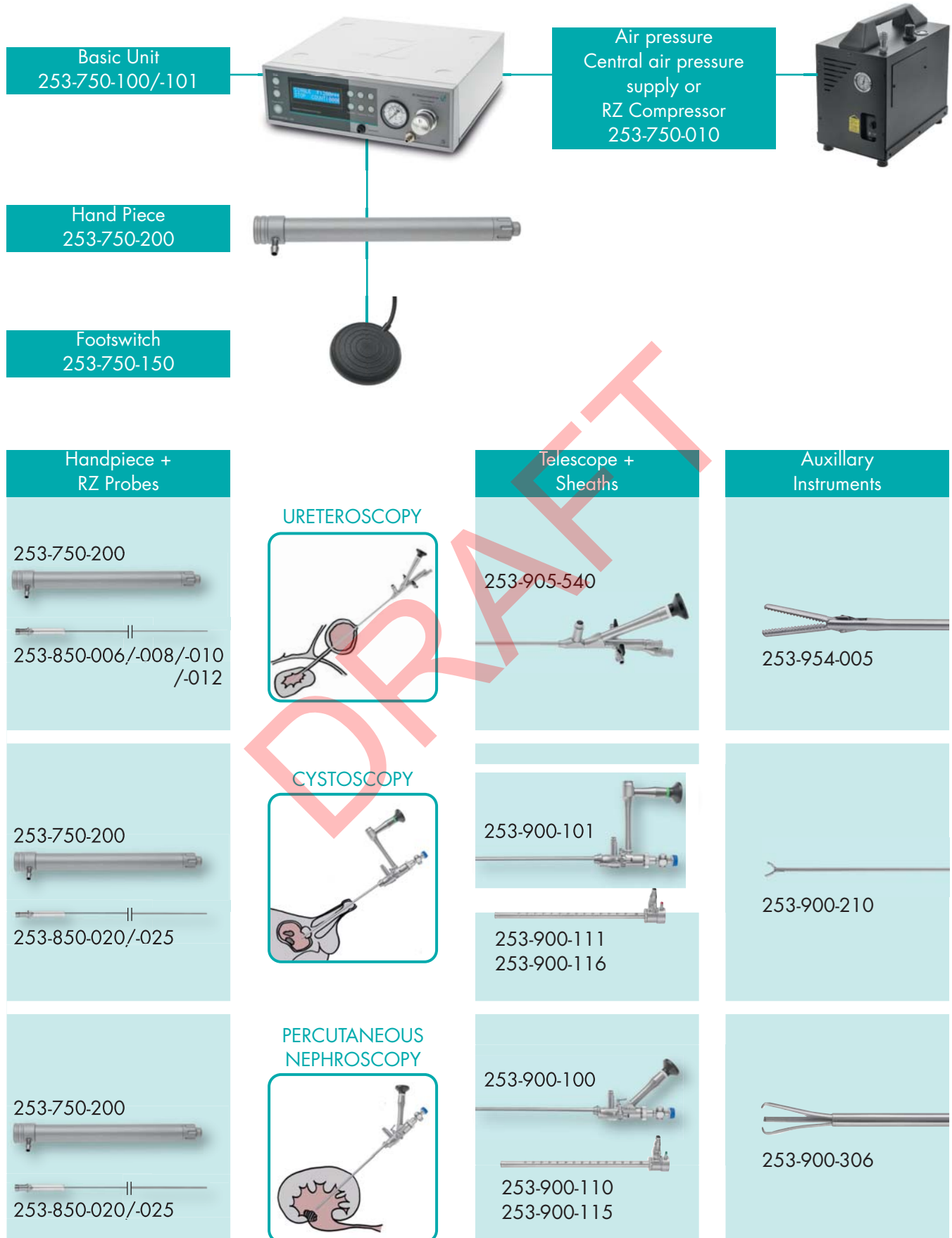
253-750-151
Footswitch (optional)



253-750-200
Hand piece, anodised

253-750-201
Silicone tube to connect handpiece and lithotripter (not illustrated)

L100 Lithotripter Modular System Chart





300-001-840 4K 3 Chip UHD-Camera K 4000

Features:

- 4K UHD resolution with 3-Chip technology
- Image algorithms enhancement of color and structure
- True natural colours for excellent live surgery imaging
- Recording function (video and picture)
- Camera head with 4 push buttons
- Boost function
- Zoom, freeze, fog reduction
- 10 USER modes configurations
- Multilingual menu
- SDI 4K Output

DELIVERY CONTAINS:

- Main Unit (300-001-840) • Camera head (300-001-842)
- HDMI cable • USB Pen Drive
- Mains cable • Operating manual

4K

Ultra High Definition Quality
3840 x 2160 PIXELS



Recording function on
USB pen drive



Camera head with 4
raised push buttons



300-001-841
UHD 3 Chip Camera Head
(included in the set)



Medical Grade UHD 4K Monitor (3540x2160 pixels resolution)
300-010-455 55"
300-010-432 31"



300-001-615
Title generator keyboard, waterproof IP68
US-Layout, cable 1.8m, color: grey,
305x140x15mm, 600gr.



300-001-610
Footswitch for HD Cameras,
cable length: 2m

Technical Data

Mains voltage	100-240 V, 50-60 Hz
Power Consumption	60 VA
Sensor	3 MOS
TV resolution	3840 x 2160 pixels (4K)
Image resolution	1600 TV lines
Index ratio	16:9
S/N Ratio	54dB

Video outputs:	1x HDMI 4K 1 x HDMI Full HD 1x SDI 4K 1x SDI Full HD
Dimensions	Control unit: 355 x 103 x 350 mm (WxHxD); Weight 6.2 kg
Camera Head	145g

FULL HD



300-001-804 3-Chip HD Camera F4

FEATURES:

- 3-Chip Full HD camera with latest MOS technology
- Pure Natural Colors technology
- Multitude of digital video outputs for best possible picture transmission to medical grade monitors
- 3 programmable remote control buttons
- User-friendly multilingual menu allows a large variety of setups to individual procedures and surgeons preferences
- Full HD 60fps video recording
- Full HD image saving
- USB pen drive included
- Boost function
- On-screen-menu
- 3 user settings storable
- 2.5x digital zoom
- Freeze function
- Text generator (optional with keyboard)

PURE NATURAL COLORS

DELIVERY CONTAINS:

- Main Unit • Camera head • YPbPr/RGB cable • 2x BNC cable
- HDMI - DVI cable • HDMI cable • S-Video cable • Jack Cable
- USB Pen Drive • Mains cable • Operating manual

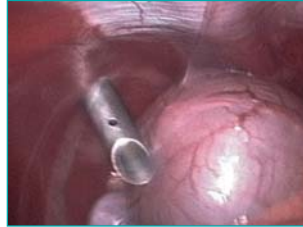
Technical Data

Mains voltage	100-240 V, 50-60 Hz
Power Input	20 W
Sensor	3 MOS
TV resolution	1920x1080 pixels (Full HD)
Image resolution	>1000 TV lines, horizontal
Index ratio	16:9
Min. sensitivity	< 3lx (1/1.4)

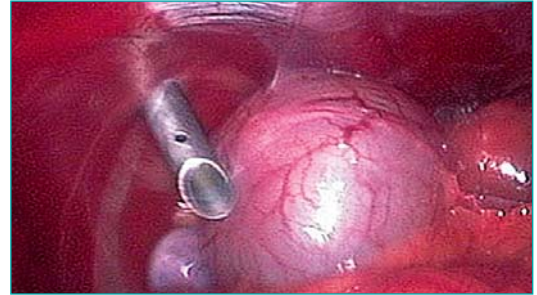
Video outputs

Digital:	2 x HD SDI
	1 x HDMI / DVI 2 x CVBS
Analog:	1 x YPbPr / RGB
	1 x Y/C (Pal / NTSC)
	1 x CVBS (Pal / NTSC)
Shutter speed	1/50 (1/60) to 1/100.000 sec
Dimensions	Control unit: 380 x 120 x 360 mm (WxHxD); 11 kg
Camera Head	145g

3 CHIP FULL HD IMAGING



4:3 standard



Latest 3-Chip MOS 16:9 technology

- 3-Chip Full HD camera with latest MOS technology for brilliant picture quality
- Pure Natural Colors technology
- Multitude of digital video outputs for best possible picture transmission to medical grade monitors



300-001-615

Title generator keyboard, waterproof IP68
US-Layout, PS/2 Connector, cable 1.8m
Color: grey, 305x140x15mm, 600gr.

ERGONOMIC CAMERA HEAD

(300-001-802)



- 3 programmable remote control buttons
- User-friendly multilingual menu allows a large variety of setups for individual procedures and surgeons preferences



300-001-610

Footswitch for HD Cameras,
cable length: 2m

FULL HD RECORDING



Full HD recording function



Recording and image controls

- Full HD 60fps video recording
- Full HD image saving
- USB pen drive included
- Boost function
- On-screen-menu
- 3 user settings storable
- 2.5x digital zoom
- Freeze function
- Text generator (optional with keyboard)

FULL HD



300-001-800 HD Camera F3 - High End

Features:

- 3-Chip Full HD camera with latest MOS technology for brilliant picture quality
- User-friendly multilingual menu allows a large variety of setups for individual procedures and surgeons preferences
- Ergonomic camera head with 3 programmable remote control buttons by the user as required during surgery
- Multitude of digital video outputs for best possible picture transmission to the medical grade monitors
- Full HD • HDMI output
- White balance, boost function • On-screen-menu
- 3 user settings storable • 2.5x digital zoom
- Freeze function • Character generator

PURE NATURAL COLORS 

Delivery contains:

- Main Unit • Camera head • YPbPr/RGB cable
- BNC cable • HDMI - DVI cable • HDMI cable
- S-Video cable • Jack Cable • Mains cable
- User manual



300-001-802
High-End camera
head included



FULL HD



300-001-615
Title generator keyboard, waterproof IP68
US-Layout, PS/2 Connector, cable 1.8m
Color: grey, 305x140x15mm, 600gr.



300-001-610
Footswitch for HD Cameras,
cable length: 2m



User-friendly, splash-
proofed display



Skid-proof pedestals

Technical Data

Camera head

- Aspect ratio: 16:9
- Image sensor: 3 - Chip
- Immersible (using the attached cap)

System

- Image resolution:
Full HD 1920 x 1080
- TV resolution: > 1000 lines
- Sensivity: < 3 lux (1/1.4)
- White balance automatically,
with data hold
shutter speed: 1/50 (1/60)
to 1/100.000 sec
- Power supply: 100 / 240 V,
50-60 Hz
- Power consumption: 20W
- Fuses: 2 Fine fuses, 5x20 mm,
delay acting 3,15 AT (I=1500A)

Video out terminal

- 2 x HD SDI
- 1 x HDMI / DVI
- 1 x YPbPr (Component)
- 1 x Y/C (Pal / NTSC)
- 1 x CVBS (Pal / NTSC)

Standard

- Protection class: I
- Application part: Type BF
- IEC 601-1, EN 60601-1;
classification acc. 93/42/EEC: I

Dimensions

- Control unit:
380 x 120 x 360 mm (WxHxD)
11 kg



300-001-601 HD Camera F2 PRO

Full HD

Features:

- 1-Chip Full HD camera of the latest generation, with superior image quality in high definition
- Natural color reproduction
- High-end image quality is provided by fully digital, high-speed image processing, separated for red, green and blue channels
- Significantly higher image quality and virtually all movements are eliminated
- Full HD 60fps video recording
- Full HD image storage
- USB pen drive included
- Full HD • HDMI out • White balance, boost function
- On-screen-menu • 3 user settings storable • 2.5x digital zoom
- Freeze function • Character generator

Delivery contains:

- Main Unit • Camera head
- USB pen drive • HDMI - DVI cable
- HDMI cable • S-Video cable
- RGB-Cable • BNC cable
- Mains cable • Operating manual

Optional available:

- 300-001-602 Camera Head
- 300-001-615 Title Generator Keyboard
- 300-001-610 Footswitch for HD Cameras

Technical Data

Line Voltage	100-240 VAC
Sensor	1/3" MOS
TV resolution	1920x1080 pixels (Full HD)
Recording	Full HD / Mpeg 4, 60fps jpg (1920 x 1080)
Image resolution	>1000 TV lines, horizontal
Index ratio	16:9
Min. sensitivity	<3lx (1/1.4)
Video Outputs	2 x HD SDI 1 x HDMI / DVI 1 x Y-Pb-Pr (Component) 1 x Video (PAL/NTSC) 1x S-Video (PAL/NTSC)

Standards

Protection Class: I
Application Part: Type BF
IEC 601-1, EN 60601-1C
Classification Acc. 93/42/EEC: I

Dimensions

Control Unit: 380 x 120 x 360 mm
(WxD), 11kg
Camera Head: 145g



FULL HD

300-001-600 HD Camera F1

Features:

- 1-Chip Full HD camera of the latest generation, with superior image quality in high definition
- Natural color reproduction
- High-end image quality is provided by fully digital, high-speed image processing, separated for red, green and blue channels
- Significantly higher image quality and virtually all movements are eliminated
- Full HD • HDMI out • White balance, boost function
- On-screen-menu • 3 user settings storable • 2.5x digital zoom
- Freeze function • Character generator

Delivery contains:

- CCU • Camera head with 3m cable
- Mains cable • YPbPr/RGB cable
- BNC cable • HDMI - DVI cable
- HDMI cable • RGB cable
- User manual

Optional available:

- 300-001-602 Camera Head
- 300-001-615 Title Generator Keyboard
- 300-001-610 Footswitch for HD Cameras

Technical Data

Line Voltage	100-240 VAC
Sensor	1/3" MOS
TV resolution	1920x1080 pixels (Full HD)
Image resolution	>1000 TV lines, horizontal
Index ratio	16:9
Min. sensitivity	<3lx (1/1.4)
Video Outputs	1 x HDMI 1 x YPbPr / RGB 1 x S-Video (Y/C; Pal / NTSC) 1 x Video (CVBS; Pal / NTSC)

Manufactured and tested according to	IEC 601-1, EN 60601-1, MDD 93/42/EEC
CE marking according to	MDD 93/42/EEC
Protection Class	I
Application part	BF
Dimensions	Control Unit: 380 x 120 x 360 mm (WxHxD), 11kg Camera Head: 105g



USB port for use with
flash drives to record data

300-001-410 Camera Z2

The new Z2 Endoscopic Camera is a universal system suitable for both diagnostics and surgery. The 1 CCD technology generates clear pictures with a high resolution and natural colors. A digital Anti Moiré filter automatically eliminates disturbing distortions when using flexible endoscopes. Pictures and Movies can be stored easily on a USB stick. The collected informations

can be used for an extensive documentation of the procedure. The lightweight camera head ensures a fatigue-free working. All features of the camera can be directly controlled and set up on a menu which is shown on the monitor. The 3 remote control buttons on the camera head can be programmed by the user as required during surgery.

Features:

- State-of-the-art CCD-Camera, true colour reproduction
- All features of the camera can be directly controlled and set up on a menu
- To be prepared to work under extreme illumination conditions, the control unit offers further features to improve the image quality (WINDOW- and PEAK-function)
- Lightweight camera head ensures fatigue-free working

Delivery contains:

- CCU • Camera head • USB cable • Composite cable
- YPbPr/RGB cable • BNC cable • Jack cable
- 4GB USB Stick • Mains cable • User manual

Technical Data

Line Voltage	100-240 VAC, 50-60 Hz
Resolution	active pixels: - 752 H x 582 V - 768 H x 494 V
TV resolution	470 lines
Sensitivity	1 lux (1/1.4)
Aspect ratio	4:3
Image Sensor	1/3" CCD
Video Outputs	• 2 x CVBS (1Vpp/75Ω), BNC • 2 x Hosiden (Y/C) • 1 x YPbPr • 1 x SDI • 1 x USB

Protection Class	I
Application part	BF
Manufactured and tested according to	IEC 601-1ff, EN 60601-1ff
CE marking according to	MDD 93/42/EEC
Dimensions	Control Unit: 380 x 120 x 360 mm (WxHxD), 11kg Camera Head: 105g



300-001-400 Camera Z1

The new Z1 Endoscopic Camera is a universal system suitable for both diagnostics and surgery. The 1 CCD technology generates clear pictures with a high resolution and natural colors. A digital Anti Moiré

filter automatically eliminates disturbing distortions when using flexible endoscopes. All features of the camera can be directly controlled and set up on a menu which is shown on the monitor.

Features:

- State-of-the-art Color - CCD-Camera
- True color reproduction
- To be prepared to work under extreme illumination conditions, the control unit of the camera offers further features to improve the image quality (WINDOW- and PEAK-function)
- Lightweight camera head ensures a fatigue-free working

Delivery contains:

- CCU • Camera head • USB cable • Composite cable
- YPbPr/RGB cable • BNC cable • Jack cable
- Mains cable • User manual

Technical Data

Line Voltage	100-240 VAC, 50-60 Hz
Resolution	active pixels: - 752 H x 582 V - 768 H x 494 V
TV resolution	470 lines
Sensitivity	1 lux (1/1.4)
Aspect ratio	4:3
Image Sensor	1/3" CCD
Video Outputs	• 2 x CVBS (1Vpp/75Ω), BNC • 2 x Hosiden (Y/C) • 1 x YPbPr • 1 x SDI

Protection Class	I
Application part	BF
Manufactured and tested according to	IEC 601-1ff, EN 60601-1ff
CE marking according to	MDD 93/42/EEC
Dimensions	Control Unit: 380 x 120 x 360 mm (WxHxD), 11kg Camera Head: 105g

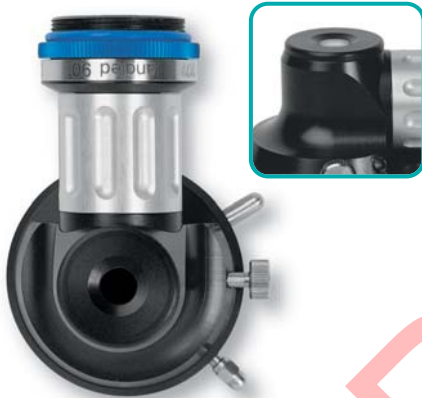
FULL COMPLEMENT OF HEAD CONFIGURATIONS



300-001-813 f=14mm
300-001-814 f=25mm
300-001-815 f=28mm
c-mount, soakable, Full HD



250-015-036
Zoom-TV-Adapter
f=15 - 36mm
c-mount, soakable
Full HD



250-020-025 F=25mm (splitting 90/10)
250-020-030 F=30mm (splitting 90/10)
Beamsplitter, allows simultaneous video and
direct views, c-mount, soakable, Full HD



250-022-025 F=25mm
250-022-030 F=30mm
Angled 90°, with swivel and fixation,
c-mount, soakable, Full HD

DAViD instinctive diagnostic & record central data software

Software system for the collecting and archiving of video findings in the medical field based on state-of-the-art PC technology Windows VISTA / XP, DirectX, DV digital Video – device independent

Multilingual

English, French, German, Italian, Russian, Spanish

Intuitive

dialog-oriented user interface for smooth integration into everyday practice

Ready for network

one point data storage and simultaneously video recordings

Integrated license module

after a demo period of 30 days the software needs to be activated via an activation key

300-001-190

Software, full Version

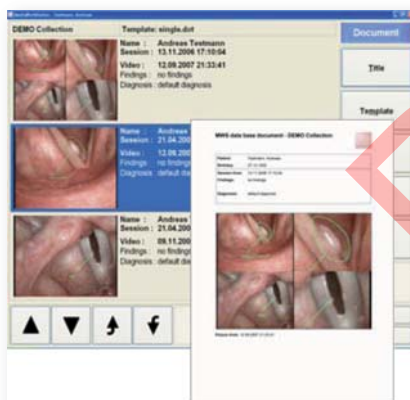
300-001-192

Software, without recording possibilities



Diagnostics & Results

- high video and freeze image quality / natural reproduction of motion sequences
- Multiple-split display during recording and playing
- automatic optimization of stroboscopic recordings
- recording controllable by foot or camera switch
- simple-to-use video cut function
- integrated database of findings and diagnoses allows quick workflow
- integrated On-Screen-Keyboard for touch screen displays



Recordings & Documentation

- graphics marks for emphasizing of findings
- MPEG2 video export with optional overlay of patient data and session comments
- integrated CD/DVD recording
- image export in the DICOM format
- Compare-function for videos and pictures
- automatic creation of diagnostic letters in MS Word format with freely definable document templates
- textual export of patient and diagnostic data for passing on and statistical evaluations



Management

- patient data is stored in structured database
- automatic assignment of videos, findings, diagnoses and comments to patients and data sets
- search and edit functions
- drag'n'drop import of pictures and documents
- native support for MediCapture USB sticks
- data exchange with other systems via remote interface
- user management for controlling access and edit rights

LED



300-900-300 LUMEN LED 3

PHASER® TECHNOLOGY

Latest PHASER® Technology for unsurpassed medical lighting. Excellent light sources are characterized by high color rendering, high luminance and a very low ultraviolet and infrared radiation. With the LUMEN LED 3 light source RZ Medizintechnik offers the latest

technology in medical lighting, Made in Germany. Whether the light source is used with modern head lights or in endoscopic surgeries, the new PHASER® technology always generates enough light for meaningful pictures.

Features:

- More than 10.000h lamp lifetime
- Latest PHASER® – Technology
- Waterproof touch control panel
- High color rendering
- High luminance
- Daylight color temperature
- Low noise level
- No UV or IR light
- Low power consumption

Delivery contains:

- Main Unit • BNC cable • Mains cable
- User manual



Automatic light control



Controlable daylight quality

Technical Data

Mains voltage	100-240 VAC, 50-60 Hz
Power consumption	300W
Mains fuses	2 Fine fuses, 5x20mm, delay acting 6,3 AT, with high breaking capacity (Ia = 1500 A)
LED Lifetime	> 10.000h
Color temperature	6000 – 6500° K
Connections	Light guide STORZ
Video-IN terminal	1 x VHS (BNC)
Service	1 x RJ45
Storage temperature	- 20°C to +60°C
Operation temperature	+10°C to +40°C

Relative humidity	
Storage:	10% to 90%
Operation:	30% to 75%
Atmospheric pressure	
Storage:	600 mbar to 1300 mbar
Operation:	700 mbar to 1060 mbar
Classification / Conformity	1 / BF
Test according to	IEC 601-1ff, EN 60601-1ff
CE marking according to	MDD 93/42/EEC
Dimensions	380 x 125 x 360 mm (WxHxD)
Weight	approx. 12.5 kg

LED



300-900-180 LUMEN LED 1, 180W

Benefit of the newest LED technology - this Light Source offers increased luminous efficiency by lowest heat conduction and operating costs. The daylight quality LED Lamp lifetime is more than 20.000 hours to provide enhanced working.

Features:

- More than 20.000h lamp lifetime
- Manual or automatic light control
- Waterproof touch control panel
- Low heat conduction by improved LED technology
- Daylight color temperature 6000 – 6500° K for accurate color representation
- Boost function: temporarily increase of light power of 20% additionally to the 100% light output

Delivery contains:

- Light source
- Mains cable
- BNC cable
- User manual



Automatic or manual light intensity control



Digital light intensity display

Technical Data

Lamp	100W LED (approx. 1300 lm) Daylight quality, 6000-6500 K Lifetime: more than 20.000 hr	Video In (opt.)	1x Video, 1x S-Video (Y/C) (automatic Version only)
Light guide connection	RZ/Storz adapter	Standard	Protection class: I Application part: Type BF IEC 601-1, EN 60601-1; classification acc. 93/42/EEC: I
System	Power supply: 100/240 VAC, 50-60 Hz Fuses: 2 Fine fuses, 5x20mm, delay 6,3 AT (I=1500A) Power consumption: 100W	Dimensions	380 x 120 x 360 mm (WxHxD); 11 kg

High Temperature LED/Xenon Light Cables

The advanced High Temperature Xenon Light cables feature a built-in glass rod on the light source side to protect the fibers from melting when the cables are used with high-power Xenon light sources.

All 3.5mm and 4.8mm light cables feature a robust silicone hose to protect the light cables against damages like cuts or crushes.

A bending protection on the connectors is a basic feature of every RZ High Temperature Xenon Light cable.





XENON light guide, without adapter pieces

- 250-035-180 Ø 3.5 mm, 1800 mm
- 250-035-230 Ø 3.5 mm, 2300 mm
- 250-035-300 Ø 3.5 mm, 3000 mm
- 250-048-180 Ø 4.8 mm, 1800 mm
- 250-048-230 Ø 4.8 mm, 2300 mm
- 250-048-300 Ø 4.8 mm, 3000 mm



Ø 3.5 mm and 4.8 mm
fiber optic



250-042-000 RZ/Storz/Olympus

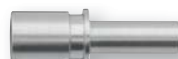


250-040-000 Wolf



250-041-000 ACMI/British Standard

Adapter pieces for fibre light guide to use with **light source**



250-039-000 RZ/Storz



250-037-000 Wolf



250-038-000 ACMI/British Standard
CUDA



250-044-000 Olympus



250-048-000 Luxtec



250-045-000 Olympus - Standard



250-051-000 Stryker



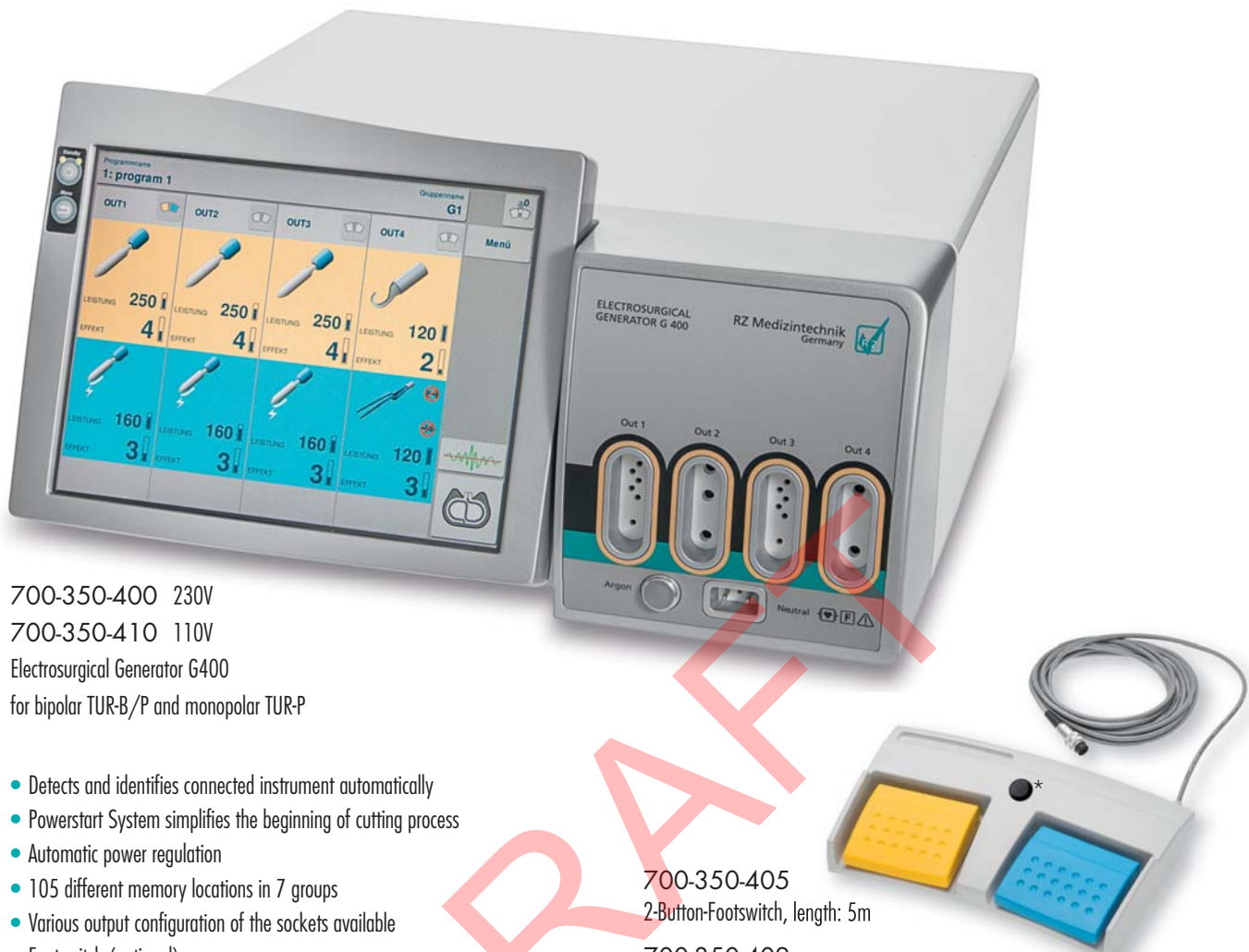
250-052-000 Heine



250-059-000 Pentax

Adapter pieces for fibre light guide to use with **endoscope**





700-350-400 230V
700-350-410 110V
Electrosurgical Generator G400
for bipolar TUR-B/P and monopolar TUR-P

- Detects and identifies connected instrument automatically
- Powerstart System simplifies the beginning of cutting process
- Automatic power regulation
- 105 different memory locations in 7 groups
- Various output configuration of the sockets available
- Footswitch (optional)
- Available with Argon and / or the RZeal

700-350-405
2-Button-Footswitch, length: 5m

700-350-402
*2-Button-Footswitch and 1 Vario-Switch-Button, length: 5m

Technical Data

SAFETY FEATURES

Class / Grade	I / CF
Low-frequency leakage currents	acc. to IEC 60601-1
High-frequency leakage currents	acc. to IEC 60601-2-2
Generator operation frequency	333 kHz
Defibrillation impulse resistance	acc. to EN 60601-1
NEM System	neutral electrode control optical indication 7 levels required resistance < 240 Ω

ARGON*

Gas Type	pure argon 4.8 (99,998%) or higher
Inlet gas pressure	0.25-0.4 [MPa]
Gas Outflow	0.1-10 l/min, regulated 0.1 l/min in whole range
Pressure Range	reducer (0.4 MPa) on argon cylinder

theRZeal **

Vessel sealing system	9 effects/300W
AutoStop	automatic stop of sealing process after achieving the optimal effect

WEIGHT AND DIMENSIONS

Weight	12.2kg
Dimensions	495 x 415 x 225mm (LxWxH)

POWER SUPPLY

Supply voltage	230 V +/- 10% 50 Hz or 110 V +/- 10% 60 Hz
Rated power input	500W



10" Touchscreen



Easy readable interface design



Tiltable display



Instrument detecting sockets

Cutting and Coagulation features

MONOPOLAR CUTTING

Mono Cut	9 effects/350W
Precise Cut	9 effects/50W
Mixed Cut	9 effects/150W
Polipo Cut**	9 levels
Papillo Cut**	9 levels
Arthro Cut**	9 levels
Uro Cut**	9 levels
Hystero Cut**	9 levels
Argon Cut**	9 effects/350W

BIPOLAR CUTTING

Bi-Cut**	9 effects/120W
Uro Bi-Cut**	9 levels
Arthro Bi-Cut**	9 levels

MONOPOLAR COAGULATION

Soft Coag	9 effects/200W
Forced Coag	9 effects/200W
Spray Coag	80W
Hybrid Coag	9 effects/200W
Standard Argon*	80W
Endo Argon*	40W
Pulse Argon*	40W
Uro Coag**	9 levels
Arthro Coag**	9 levels
Hystero Coag**	9 levels

BIPOLAR COAGULATION

Soft Bi-Coag	9 effects/120W AutoStart/AutoStop
Forced Bi-Coag	9 effects/120W AutoStop
Uro Bi-Coag**	9 levels
Arthro Bi-Coag**	9 levels
Sciss Bi-Coag**	9 levels



700-503-003
Cable for Disposable Neutral Electrode
5m, only RZ compatible



700-503-000 Adults
700-503-001 Children
Disposable Neutral Electrode
hydrogel, split, for adults or children
10x5 pcs. per package

Modifications of technical specification or design are subject to change without prior notice.

* available only for Argon version

** special mode available only for dedicated SDS cable/instrument connected



700-340-400 230V
700-340-410 110V
Electrosurgical Generator G44

- Intelligent Instrument detection system
- Intuitive Touchscreen
- Automatic power regulation
- Configurable working modes
- Real-time parameter control
- Special endoscopic modes
- Bipolar resection
- Easy software update



700-503-003
Cable for Disposable Neutral Electrode
5m, only RZ compatible



700-350-405
2-Button-Footswitch, length: 5m

700-350-402
*2-Button-Footswitch and 1 Vario-Switch-Button, length: 5m



700-503-000 Adults
700-503-001 Children
Disposable Neutral Electrode
hydrogel, split, for adults or children
10x5 pcs. per package

Display	TFT 7" WVGA
SpectrumResult system	automatic power regulation
Length / Width / Height	385mm / 305mm / 141mm
Weight	7kg
Power Supply Voltage	220-240 V $\pm$ 10% 50/60 Hz or 110-120 V $\pm$ 10% 50/60 Hz
Rated power input	1100 VA

Safety features

Protection against electric shock	I / CF
Low-frequency leakage currents	according to IEC 60601-1
High-frequency leakage currents	according to IEC 60601-2-2
Generator operation frequency	333 kHz
Defibrillation impulse resistance	according to IEC 60601-1
NEM System	neutral electrode control, optical indication, required resistance < 240 Ω

Monopolar Coagulation max. 200W

Soft Coag	9 effects
Forced Coag	9 effects
Spray Coag	80 effects / 80W
Hybrid Coag	9 effects
Uro Coag	9 effects
Hystero Coag	9 effects

Monopolar Cutting max. 400W

Mono-Cut	
Precise Cut	
Mixed Cut	9 effects
Uro Cut	
Hystero Cut	

Bipolar Coagulation max. 300W

Soft Bi-Coag	9 effects AutoStart / AutoStop
Forced Bi-Coag	9 effects AutoStop
Uro Bi-Coag	9 effects
Sciss Bi-Coag	9 effects

Bipolar Cutting max. 400W

Bi-Cut	9 effects
Uro Bi-Cut	9 effects



The **iLumen Endovue** delivers the image performance of a high-end surgical display at a fraction of the cost. Targeted for cost-sensitive emerging markets this monitor is a great value. It features an LED backlight and supports both digital and analog high-definition video inputs. The iLumen Endovue is an affordable alternative to a full-featured surgical display.

It accommodates high-definition signals from a variety of medical imaging sources, including endoscopes, ultrasound, PACS, and vital signs. It also features a fanless cooling design to minimize the risk of spreading airborne contaminants within the sterile field.

Model / Type	300-001-138	300-001-148	300-001-158	300-001-168
Screen Size / Image Size	19" / 14.8 x 11.9"	21.5" / 18.8 x 10.6"	24" / 24.4 x 12.8"	32" / 27.5 x 15.5"
Resolution	1280x1024 (SXGA)	1920x1080 (FULL HD)	1920x1200 (WUXGA)	1920x1080 (FULL HD)
Signal Input	DVI-D, RGBS/VGA, YPbPr (HD-15 or DVI-I via adapter), S-Video, Composite			
Viewing angle	178°			



The **RZ HD iLumen RADIANCE** surgical flat panel display is the worldwide LCD monitor of choice for surgeons and operating teams. Its superior HDTV capabilities including HD — SDI and YPbPr — and sophisticated signal processing produce sharp, accurate, true and very bright images. The RZ iLumen is the only medical-grade flat panel for simultaneous use as a Radiology, Fluoroscopy, Physiology, and/or minimally Invasive Surgery display.

Full HD and Digital Capable, Full Range of Analog Surgical Inputs, DICOM Response DVI Input for PACS, Fingertip/Footswitch Instant Remote Switching between sources, High Resolution, High Bright LCD with Wide Viewing Angle, Re- Drive Capability. Enables Image Viewing on Multiple Display, Traditional 4:3 Aspect Ratio, Surgeon- Specific User Selectable Settings.

Model / Type	300-010-219	300-010-224	300-010-226	300-010-232
Screen Size / Image Size	19" / 14.8 x 11.9"	21.5" / 18.8 x 10.6"	24" / 24.4 x 12.8"	32" / 27.5 x 15.5"
Resolution	1280x1024 (SXGA)	1920x1200 (WUXGA)	1920x1080 (FULL HD)	1920x1080 (FULL HD)
Signal Input	SDI, HD-SDI, RGBS, YPbPr, SVideo, Composite, DVI, VGA			
Viewing angle	178°			
LCD Panel	TFT Active Matrix with IPS, LED-Backlight			

VASECTOMY

Vasectomy is the only permanent method of contraception for men. It's safe, simple and effective and is the worldwide recommended family planning method for men who want a permanent solution to their contraceptive needs.

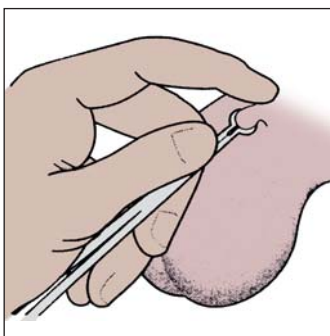
Vasectomy is a surgical procedure which seals the sperm carrying tubes (vas deferens), preventing sperm penetrating into the ejaculated fluid.

Currently there are only two contraceptive options available for men: - condoms and vasectomy. Men whose family planning is completed, may want to consider undergoing a vasectomy.

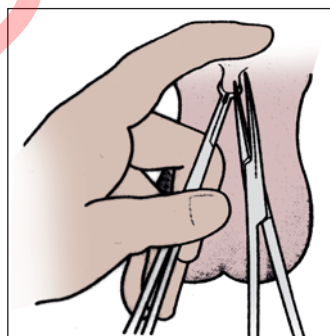
Any man who has doubts about having children, ought not consider this procedure because it is a permanent method.

Many myths existing about vasectomy. Some men are afraid of a painful and complicated procedure. The truth is, that the operation takes around five minutes and can be carried out under local anaesthesia.

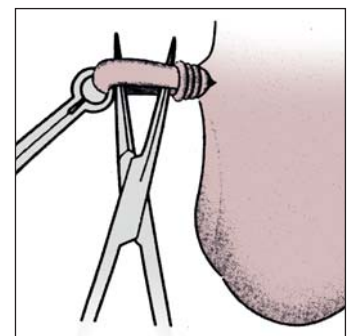
A recent international survey conducted by Mary Stopes is showing that 90% of vasectomy patients want to encourage other men to choose the same procedure.



Puncture of the scrotal skin by using the RZ – Vasectomy Forceps



Fixation of the vas under the scrotal skin using the RZ – Vasectomy ring forceps



Dissecting blood vessel and sheath of vas prior to division and ligature or cauterization of the lumen



140-353-125

No-Scalpel Vasectomy Forceps, 5 inch, with sharp, pointed, smooth curved jaw



140-352-140

No-Scalpel Vasectomy Fixator Ring Forceps, 5^{1/2} inch, with blunt tips, ø 4.7 mm ring size



140-353-140

No-Scalpel Vasectomy Mini Fixator Ring Forceps, 5^{1/2} inch, with blunt tips, ø 3.0 mm ring size

BiPOstyle

Bipolar Scissors and Forceps

RZ Micro Scissors are especially made for precise cutting when it comes to highly delicate surgery. Its thin scissors blades are a major advantage e.g. for plastic and reconstructive surgery.

RZ BiPOstyle clamps and forceps allow combining the reliable mechanical pressure with the thermal effect of high frequency surgery to seal the vessel and tissue structures permanently.



BIPOLAR MICRO SCISSORS



120-742-130

Bipolar Scissors 13.0cm - 5", curved blades, slim and thin scissors blades, for highly precise working



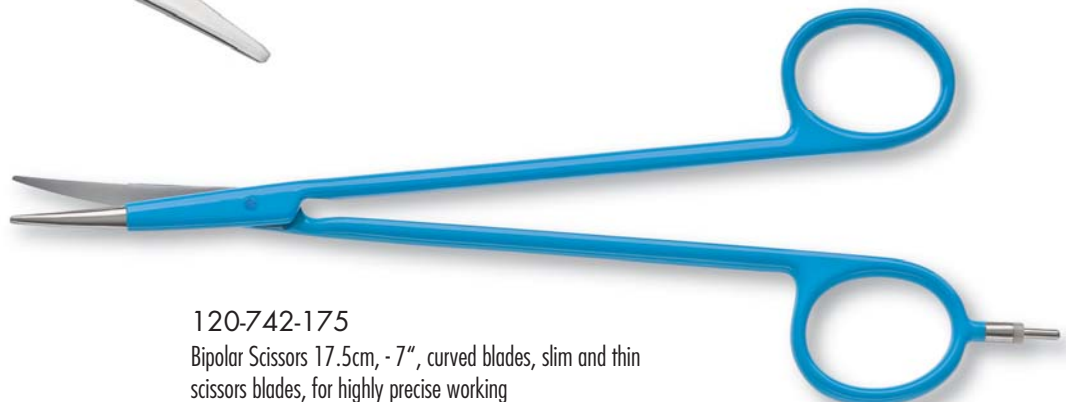
120-742-140

Bipolar Scissors 14.0cm - 5 1/2", curved blades, slim and thin scissors blades, for highly precise working

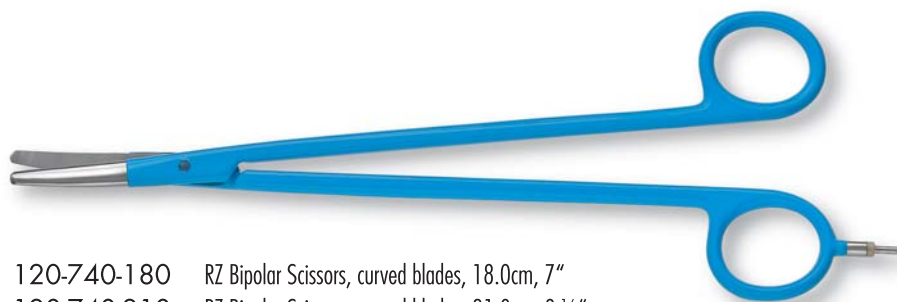


120-742-175

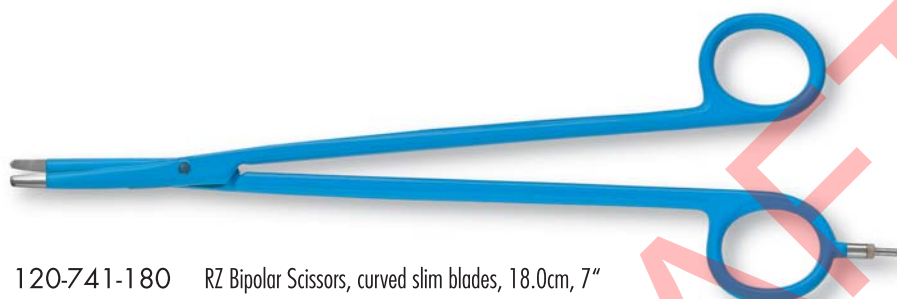
Bipolar Scissors 17.5cm - 7", curved blades, slim and thin scissors blades, for highly precise working



BIPOLAR SCISSORS AND CABLES



- 120-740-180 RZ Bipolar Scissors, curved blades, 18.0cm, 7"
- 120-740-210 RZ Bipolar Scissors, curved blades, 21.0cm, 8 1/4"
- 120-740-230 RZ Bipolar Scissors, curved blades, 23.0cm, 9"
- 120-740-280 RZ Bipolar Scissors, curved blades, 28.0cm, 11"



- 120-741-180 RZ Bipolar Scissors, curved slim blades, 18.0cm, 7"
- 120-741-210 RZ Bipolar Scissors, curved slim blades, 21.0cm, 8 1/4"
- 120-741-230 RZ Bipolar Scissors, curved slim blades, 23.0cm, 9"
- 120-741-280 RZ Bipolar Scissors, curved slim blades, 28.0cm, 11"



Bipolar Cables for use with RZ Bipolar Scissors



Valleylab



Martin



Erbe



Banana plugs*



SDS for Bipolar Scissors

- | | | | | | |
|----|-------------|-------------|-------------|-------------|-------------|
| 3m | 700-736-003 | 700-737-003 | 700-738-003 | 700-739-003 | 700-500-305 |
| 5m | 700-736-005 | 700-737-005 | 700-738-005 | 700-739-005 | |

* Not available with CE marking within Europe



700-730-230 RZ Bipolar Clamp, curved jaws, 230mm, 9"



700-731-500 Bipolar Cable for RZ Bipolar Clamp, with 2 banana plugs, 5m length, not available with CE marking within Europe



This special bipolar forceps is a combination of a thermal effect, obtained due to the use of especially modulated high frequency current with a mechanical pressure of the clamps. The result is a permanent sealing of the vessel membranes and tissue structures. The vessel can easily be cut with the use of surgical

scissors without the risk of bleeding. Vessels closed with the use of the RZ system are capable of withstanding significant pressure. The safety of the closure with the use of the RZ system is comparable to the one obtained with the use of other mechanical methods.

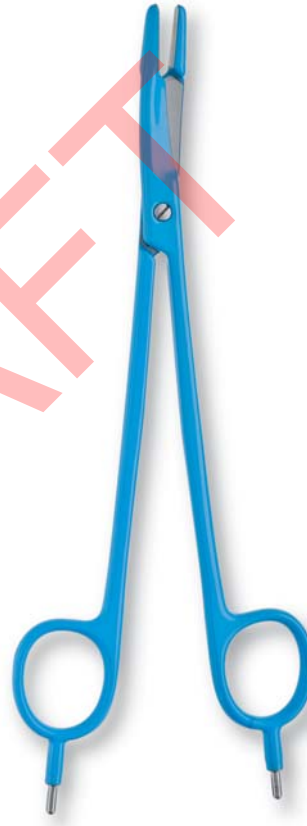


The RZ bipolar scissors-forceps enables powerful grasping and compression of tissue, combined with bipolar coagulation or sealing of blood vessels. Now, tissue can be cut without changing the instrument.



700-120-190 RZ bipolar scissors-forceps, straight, with serrated jaws, without ratchet, 19.0 cm, 7 1/2"

700-120-140 RZ bipolar scissors-forceps, straight, with serrated jaws, without ratchet, 14.0 cm, 5 1/2"



700-121-190 RZ bipolar scissors-forceps, **curved**, with serrated jaws, without ratchet, 19.0 cm, 7 1/2"

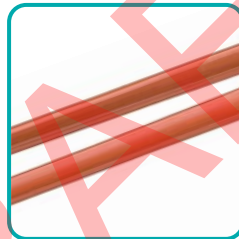
700-121-140 RZ bipolar scissors-forceps, **curved**, with serrated jaws, without ratchet, 14.0 cm, 5 1/2"

Perfect thermal conductivity with the RZ Bipolar Non-Stick Forceps

By using a polished noble material with excellent thermal properties for the forceps' tip, the undesirable effect of sticking tissue is now completely eliminated and non-stop working is ensured.



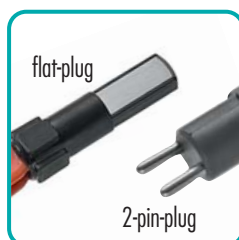
The polished noble metal forceps' tips offer excellent thermal conductivity which prevents the sticking of tissue. The non-stick effect is permanently ensured, as the tips are made of solid noble metal. Even after redressing the surface and frequent sterilisation, the non-sticking properties will be retained.



The resistant and well-proven insulation coating resists principally every highly alkaline cleaning agents. This ensures the electrical safety of the instrument reliably.



A wide fluted handle surface for safe and convenient handling ensures working without getting tired. Except the tips, the entire instrument is made of hardened stainless steel. This ensures a consistent optimum spring tension.



The plastic safety plugs enclose the complete connection area, even between the contact surfaces, in order to avoid the deposit of impurities in areas which are difficult to access for cleaning. All forceps are available with flat-plug or 2-pin-plug (2-pin-Standard).



150mm

180mm

200mm

220mm

Width of tips	Plug	straight tips	angled tips	straight tips	angled tips	straight tips	straight tips
point 0.3mm	flat	700-610-150	700-611-150	700-610-180	700-611-180	700-610-200	700-610-220
	2-pin	700-612-150	700-613-150	700-612-180	700-613-180	700-612-200	700-620-220
blunt 0.6mm	flat	700-620-150	700-621-150	700-620-180	700-621-180	700-620-200	700-620-220
	2-pin	700-622-150	700-623-150	700-622-180	700-623-180	700-622-200	700-622-220
blunt 1.0mm	flat	700-630-150	700-631-150	700-630-180	700-631-180	700-630-200	700-630-220
	2-pin	700-632-150	700-633-150	700-632-180	700-633-180	700-632-200	700-632-220
blunt 2.0mm	flat	700-640-150	700-641-150	700-640-180	700-641-180	700-640-200	700-640-220
	2-pin	700-642-150	700-643-150	700-642-180	700-643-180	700-642-200	700-642-220



Jeweler Type

110mm

Width of tips	Plug	straight tips	angled tips
point 0.25mm	flat	700-601-710	700-601-730
	2-pin	700-601-711	700-601-731
blunt 0.6mm	flat	700-601-712	700-601-732
	2-pin	700-601-713	700-601-733
blunt 1.0mm	flat	700-601-714	700-601-734
	2-pin	700-601-715	700-601-735



straight tips



angled tips



Bayonet shape

180mm

200mm

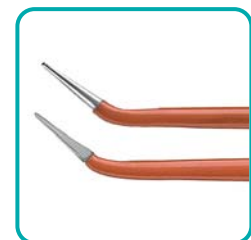
220mm

240mm

Width of tips	Plug	straight tips	straight tips	straight tips	straight tips
point 0.3mm	flat	700-650-180	700-650-200	700-650-220	700-650-240
	2-pin	700-652-180	700-652-200	700-652-220	700-652-240
blunt 0.6mm	flat	700-660-180	700-660-200	700-660-220	700-660-240
	2-pin	700-662-180	700-662-200	700-662-220	700-662-240
blunt 1.0mm	flat	700-670-180	700-670-200	700-670-220	700-670-240
	2-pin	700-672-180	700-672-200	700-672-220	700-672-240
blunt 2.0mm	flat	700-680-180	700-680-200	700-680-220	700-680-240
	2-pin	700-682-180	700-682-200	700-682-220	700-682-240



angled down



angled up

Bayonet shape

200mm

220mm

Width of tips	Plug	angled up tips	angled up tips
blunt 1.0mm	flat	700-670-201	700-670-221
	2-pin	700-672-201	700-672-221

Bayonet shape

200mm

220mm

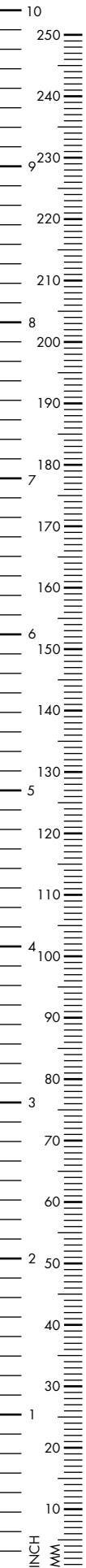
Width of tips	Plug	angled down tips	angled down tips
blunt 1.0mm	flat	700-670-203	700-670-223
	2-pin	700-672-203	700-672-223

Bipolar Cables

						
Generator end			Flat plug	Flat plug, angled	Flat plug, square	2-pin plug
	2-Banana *	3m	700-350-030	300-860-100	700-350-130	700-351-030
		5m	700-350-050	300-860-111	700-350-150	700-351-050
	Erbe	3m	700-101-001	700-100-130	700-101-130	700-100-102
		5m	700-100-101	700-100-150	700-101-150	700-100-103
	Martin, Aesculap Berchtold	3m	700-287-030	700-200-130	700-287-130	700-200-132
		5m	700-287-050	700-200-150	700-287-150	700-200-152
	Valleylab Lamidey, EMC	3m	700-351-031	700-300-003	700-351-131	700-300-203
		5m	700-351-051	700-300-005	700-351-151	700-300-205

* Not available with CE marking within Europe

						
2-pin plug, angled	2-pin plug, angled	Round plug	R. Wolf plug	Karl Storz plug	Ethicon Scissors plug	Aesculap plug
700-345-403 700-345-405	700-345-003 700-345-005	700-739-003 700-739-005	700-630-003	700-351-047 700-351-048	700-351-053 700-351-055	700-200-030 700-200-050
700-101-230 700-101-250		700-100-202 700-100-303	700-100-104 700-100-105	700-100-302 700-100-305	700-100-402 700-100-405	700-100-502 700-100-505
700-287-230 700-287-250		700-200-232 700-200-253	700-390-030 700-390-050	700-200-332 700-200-352	700-200-432 700-200-452	700-200-532 700-200-552
700-351-231 700-351-251	700-300-403 700-300-405	700-736-003 700-736-005	700-300-503 700-300-505	700-300-603	700-300-703 700-300-705	700-300-805



10

250

240

230

220

210

200

190

180

170

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120

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100

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10

INCH

MM

DRAFT