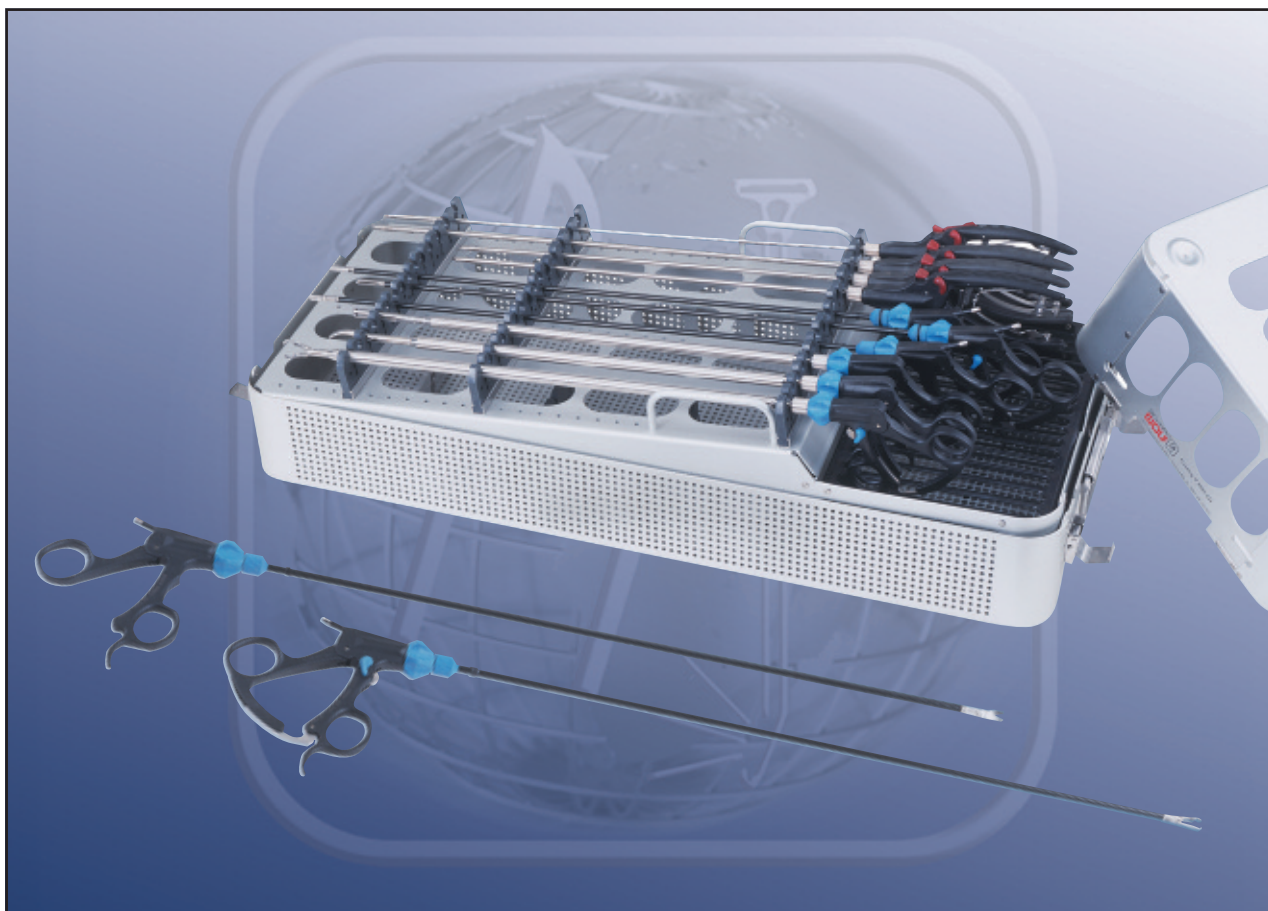


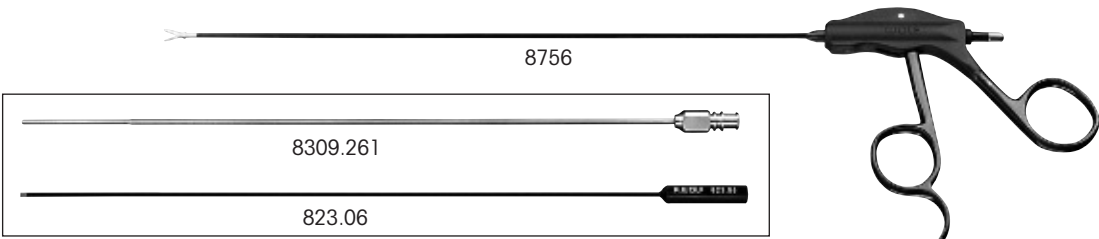
Instrumentation



- 2 - 3.5 mm Mini Forceps
- 5 mm Forceps
- 10 mm Forceps
- Bariatric Specialty Instruments
- Needle Holders
- Kleppinger Bipolar Forceps
- PowerBlade Bipolar Forceps
- Eragon Bipolar Forceps
- Electrodes
- Suction / Irrigation
- Cannulas / Probes

Grasping / Biopsy Forceps / Scissors, 2 mm

Single Piece Design Monopolar

		
Instrument	Working Length, 240 mm	Type
 Scissors , straight, dual action blades	• •	8756.001
 Dissector , straight, dual action jaw	• •	8756.101
 Atraumatic grasping forceps , dual action	• •	8756.111
 Universal grasping forceps , dual action	• •	8756.121
 Biopsy punch , single action jaw	• •	8756.011
 Biopsy punch , w/ sharp tip, single action	• •	8756.012
Liver biopsy cannula, 2 mm 1.6 mm tip section	• •	8309.261
Coagulation button electrode, 2 mm, monopolar	• •	823.06

HF connecting cables:

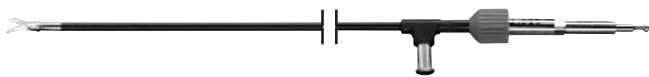
Wolf to Wolf, 10 ft., Reusable8106.132
Wolf to Wolf, 10 ft., Disposable, sterile, 10 / pkg4106.1320

HF connecting cables:

Wolf to Valleylab, 10 ft., Reusable8106.033
Wolf to Valleylab, 10 ft., Disposable, sterile, 10/pkg4106.0330

Grasping / Dissecting Forceps / Scissors, 3.5 mm

Modular Design Monopolar

Jaw insert		Sheath tube, insulated		Handle type*		Complete instrument
		WL 240mm	WL 310mm	 without ratchet rotatable	 with ratchet rotatable	
	Part Number			8393.0003	8393.0004	
 Scissors, "Metzenbaum", curved left, double action	8390.006	●		●		8390.0063
	8391.006		●	●		8391.0063
 Grasping and Dissecting forceps curved left - "Maryland" dissector, double action	8390.205	●			●	8390.2054
	8391.205		●		●	8391.2054
 Atraumatic grasping forceps, double action	8390.204	●			●	8390.2044
	8391.204		●		●	8391.2044
 Universal grasping forceps, double action	8390.254	●			●	8390.2544
	8391.254		●		●	8391.2544
 Babcock grasping forceps, double action	8390.255	●			●	8390.2554
	8391.255		●		●	8391.2554
 Biopsy forceps, spoon-shaped, double action	8391.406		●	●		8391.4063
 Punch biopsy forceps, single action	8391.405		●	●		8391.4053
 Scissors, hook, single action	8391.014		●	●		8391.0143

Rinsing connector locking cap,
for Luer port, 3mm887.00

*Instruments may also be ordered with
axial handle monopolar. 8393.0005

- ☐ The Richard Wolf "Grip" Line is designed for total flexibility and interchangeability of jaw inserts.
- ☐ Instruments may be ordered complete or assembled from components purchased individually.

Grasping / Dissecting Forceps, 5 mm

Modular Design *modu*
line

Jaw insert		Sheath tube, insulated			Handle type		Complete instrument • Jaw insert • Sheath tube • Handle
					 HF	 HF	
		WL 240 mm	WL 310 mm	WL 430 mm	without ratchet, rotatable	with ratchet, rotatable	
	Part Number	8392.913	8393.913	8394.913	8393.0003	8393.0004	
 Grasping and dissecting forceps, "Maryland dissector", curved with fine horizontal serration, double jaw action	8392.281	•			•		8392.2813
	8393.281		•		•		8393.2813
	8394.281			•	•		8394.2813
 Grasping and dissecting forceps, fine pyramidal-shaped teeth, tapered, 18 mm, double jaw action	8393.289		•			•	8393.2894
 Grasping and coagulation forceps, distal horizontal serrations with cup, double jaw action	8393.287		•		•		8393.2873
 Grasping and dissecting forceps, fine horizontal serrations, fenestrated, double jaw action	8393.183		•		•		8393.1833

Grasping / Dissecting Forceps, 5 mm

Modular Design *modu line*

<i>Jaw insert</i>		<i>Sheath tube, insulated</i>			<i>Handle type</i>			Complete instrument • Jaw insert • Sheath tube • Handle
		WL 240 mm	WL 310 mm	WL 430 mm	 with ratchet rotatable	 without ratchet rotatable	 with ratchet rotatable	
	Part Number	8392.913	8393.913	8394.913	8393.0002	8393.0003	8393.0004	
 <i>Atraumatic grasping forceps, fenestrated with horizontal serrations, double jaw action</i>	8392.181	•					•	8392.1814
	8393.181		•				•	8393.1814
	8394.181			•			•	8394.1814
 <i>Grasping forceps "Babcock", grasping surface with fine horizontal serration, double jaw action</i>	8392.186	•			•			8392.1862
	8393.186		•		•			8393.1862
	8394.186			•	•			8394.1862
 <i>Atraumatic grasping forceps, smooth, double jaw action</i>	8393.195		•			•		8393.1953
	8394.195			•		•		8394.1953
 <i>Grasping and dissecting forceps, fine pyramidal-shaped teeth, tape- red, 14 mm, double jaw action</i>	8393.288		•				•	8393.2884

Grasping / Dissecting Forceps, 5 mm

Modular Design *modu*
line

Jaw insert		Sheath tube, insulated		Handle type		Complete instrument • Jaw insert • Sheath tube • Handle
		WL 310 mm	WL 430 mm	with ratchet, rotatable	without ratchet, rotatable	
	Part Number	8393.913	8394.913	8393.0002	8393.0003	
 Grasping and dissecting forceps "Dolphin", fine horizontal serration with jaw cup, tapered, 15 mm long, double jaw action	8393.285	•			•	8393.2853
 Grasping forceps "ALLIS", fine distal horizontal serrations, tapered, 30 mm, double jaw action	8393.484	•		•		8393.4842
	8394.484		•	•		8394.4842
 Grasping and extraction forceps, 2x3 claws, 30 mm, single jaw action	8393.488	•		•		8393.4882
 Grasping forceps with two teeth, wavy grasping surface, single jaw action	8393.489	•		•		8393.4892
	8394.489		•	•		8394.4892
 Grasping forceps with two teeth, wavy grasping surface, double jaw action	8393.490	•		•		8393.4902
	8394.490		•	•		8394.4902

Grasping / Dissecting Forceps, 5 mm

Modular Design *modu line*

Jaw insert		Sheath tube, insulated		Handle type		Complete instrument • Jaw insert • Sheath tube • Handle
		WL 310 mm	WL 430 mm	 with ratchet, rotatable	 HF mono with ratchet, rotatable	
	Part Number	8393.913	8394.913	8393.0002	8393.0004	
 Universal grasping forceps, pyramidal-shaped teeth and horizontal serrations, 15 mm, double jaw action	8393.481	•			•	8393.4814
 Universal grasping forceps, pyramidal-shaped teeth and horizontal serrations, 25 mm, double jaw action	8393.482	•		•		8393.4822
	8394.482		•	•		8394.4822
 Plate-shaped grasping forceps, fenestrated with horizontal serration, double jaw action	8393.182	•			•	8393.1824
 Grasping and dissecting forceps, fenestrated, fine horizontal serrations, 20 mm long, single jaw action	8393.184	•			•	8393.1844
	8394.184		•		•	8394.1844
 Grasping and dissecting forceps, fenestrated, fine horizontal serrations, 15 mm long, single jaw action	8393.185	•			•	8393.1854

Grasping / Dissecting Forceps, 5 mm

Modular Design **modu**
line

Jaw insert		Sheath tube, insulated		Handle type	 HF mono	Complete instrument • Jaw insert • Sheath tube • Handle
		WL 310 mm		with ratchet rotatable		
	Part Number	8393.913		8393.0004		
	8393.283	•	•			8393.2834
Grasping and dissecting forceps, "Mixer", angled, fine pyramidal- shaped teeth, double jaw action						
	8393.282	•	•			8393.2824
Dissecting forceps "Petelin", angled 30° left, with horizontal serration, single jaw action						

Grasping Forceps, 5 mm

Modular Design *modu line*

	Jaw insert	Sheath tube, insulated			Handle type		Complete instrument • Jaw insert • Sheath tube • Handle
		WL 240 mm	WL 310 mm	WL 430 mm	 with ratchet rotatable	 with ratchet rotatable	
	Part Number	8392.913	8393.913	8394.913	8393.0002	8393.0004	
 Grasping forceps, "Babcock", large distal grasping surface with fine horizontal serration, double jaw action	8392.187	•			•		8392.1872
	8393.187		•		•		8393.1872
	8394.187			•	•		8394.1872
 Atraumatic grasping forceps, jaw hollow with wavy teeth border, 20 mm, single jaw action	8393.292		•		•		8393.2922
	8394.292			•	•		8394.2922
 Atraumatic grasping forceps, jaw hollow with wavy teeth border, 20 mm, double jaw action	8393.293		•		•		8393.2932
	8394.293			•	•		8394.2932
 Grasping and extraction forceps, "pike mouth", double jaw action	8393.483		•			•	8393.4834
 Claw grasping forceps, double jaw action	8393.494		•		•		8393.4942

Grasping Forceps, 5 mm

Modular Design *modu*
line

Jaw insert	Sheath tube, insulated		Handle type		Complete instrument • Jaw insert • Sheath tube • Handle
		WL 310 mm	WL 430 mm	HF mono with ratchet rotatable	
	Part Number	8393.913	8394.913	8393.0004	
 Grasping forceps with teeth, double jaw action	8393.485	•		•	8393.4854
 Grasping forceps with one tooth, fine horizontal serrations, tapered, double jaw action	8393.486	•		•	8393.4864
 Grasping forceps with two teeth, fine horizontal serrations, single jaw action	8393.487	•		•	8393.4874
	8394.487		•	•	8394.4874
 Atraumatic grasping forceps for fine structures, double jaw action	8393.196	•		•	8393.1964
	8394.196		•	•	8394.1964

Handle Styles

for modular forceps

Handle style	rotatable	non-rotatable	with ratchet	without ratchet	with HF	without HF	Type
	•			•		•	8393.0001
	•		•			•	8393.0002
	•			•	•		8393.0003
	•		•		•		8393.0004
		•	•			•	8393.0008
		•	•		•		8393.0009
axial handle 		•	•			•	8393.941
		•	•		•		8393.0005



Biopsy Forceps, 5 mm

Modular Design *modu line*

<i>Jaw insert</i>		<i>Sheath tube, insulated</i>		<i>Handle type</i>	Complete instrument • Jaw insert • Sheath tube • Handle
		WL 310 mm	WL 430 mm	 HF mono <i>without ratchet rotatable</i>	
	Part Number	8393.913	8394.913	8393.0003	
 Biopsy forceps, <i>spiked, double jaw action</i>	8393.091	•		•	8393.0913
	8394.091		•	•	8394.0913
 Biopsy forceps, <i>cutting, single jaw action</i>	8393.092	•		•	8393.0923
	8394.092		•	•	8394.0923
 Hook punch by Frangenheim, <i>cutting, single jaw action</i>	8393.082	•		•	8393.0823
	8394.082		•	•	8394.0823
 Biopsy forceps, <i>pointed spoon forceps, single jaw action</i>	8393.093	•		•	8393.0933
	8394.093		•	•	8394.0933

Scissors, 5 mm

Modular Design *modu line*

<i>Jaw insert</i>		<i>Sheath tube, insulated</i>			<i>Handle type</i>  HF mono <i>without ratchet rotatable</i>	Complete instrument • Jaw insert • Sheath tube • Handle
		WL 240 mm	WL 310 mm	WL 430 mm		
	Part Number	8392.913	8393.913	8394.913	8393.0003	
 Scissors, "Metzenbaum", curved left, double jaw action	8392.041	•			•	8392.0413
	8393.041		•		•	8393.0413
	8394.041			•	•	8394.0413
 Scissors, straight, tapered, double jaw action	8392.045	•			•	8392.0453
	8393.045		•		•	8393.0453
	8394.045			•	•	8394.0453
 Hooked scissors, serrated, single jaw action	8393.081		•		•	8393.0813
	8394.081			•	•	8394.0813
 Micro-scissor, "Metzenbaum", left curved, double jaw action	8393.044		•		•	8393.0443

Grasping / Dissecting Forceps, 5 mm

Single Piece Design

Rotating handle with flush port			Handle type	Handle type	Complete instrument • Integrated jaw insert, sheath and handle
Instrument	WL 310 mm	WL 430 mm	Rotatable with Ratchet	HF Post • Rotatable with Ratchet	
 Wave Side Grasper, single action jaw	•		•		8393.2927
		•	•		8394.2927
 Wave Side Grasper, double action jaw	•		•		8393.2937
		•	•		8394.2937
 Retraction Grasper with 2 Teeth	•		•		8393.4897
		•	•		8394.4897
 Atraumatic Bowel Grasper	•		•		8393.4947
		•	•		8394.4947
 Universal Grasper	•			•	8393.2549
 "Mixer" Grasping Dissector	•			•	8393.4149
 Alligator Grasper	•			•	8393.4159
 Grasper for Fine Structures	•			•	8393.2659
		•		•	8394.2659

HF connecting cables;

Wolf to Wolf, 10 ft., Reusable8106.132
 Wolf to Wolf, 10 ft., Disposable, sterile, 10 / pkg4106.1320

HF connecting cables;

Wolf to Valleylab, 10 ft., Reusable8106.033
 Wolf to Valleylab, 10 ft., Disposable, sterile, 10/pkg4106.0330

Replacement caps for flush port,

pkg of 1088.944

Grasping / Dissecting Forceps, 5 mm

Single Piece Design

Rotating handle with flush port			Handle type	Handle type	Complete instrument • Integrated jaw insert, sheath and handle
Instrument	WL 310 mm	WL 430 mm	Rotatable with Ratchet	HF Post • Rotatable with Ratchet	
 Babcock Grasping Forceps, double action jaw	•		•		8393.3257
 Atraumatic Paddle Babcock, double action jaw	•		•		8393.3267
		•	•		8394.3267
 Debaeky Grasper, 30 mm jaw length	•		•		8393.3227
		•	•		8394.3227
 Debaeky Grasper, 28 mm jaw length, curved	•		•		8393.3237
		•	•		8394.3237
 Debaeky Grasper, 40 mm jaw length	•		•		8393.3247
		•	•		8394.3247
 Bullet Nose Grasper, double action jaw	•			•	8393.2349
 Atraumatic Fenestrated Grasper	•			•	8393.2049
 Gastric Band Manipulator / Esophageal Dissector	340mm		•		8393.6557

HF connecting cables:

Wolf to Wolf, 10 ft., Reusable8106.132
 Wolf to Wolf, 10 ft., Disposable, sterile, 10 / pkg4106.1320

HF connecting cables:

Wolf to Valleylab, 10 ft., Reusable8106.033
 Wolf to Valleylab, 10 ft., Disposable, sterile, 10/pkg4106.0330

Replacement caps for flush port,

pkg of 1088.944

Grasping / Dissecting Forceps, 5 mm

Single Piece Design

Rotating handle with flush port			Handle type	Handle type	Complete instrument • Integrated jaw insert, sheath and handle
Instrument	WL 310 mm	WL 430 mm	HF Post • Rotatable without Ratchet	HF Post • Rotatable with Ratchet	
 Grasping & Dissecting Forcep	•		•		8393.2418
 Maryland Dissector with straight serrations	•		•		8393.2058
		•	•		8394.2058
 Maryland Dissector with cross serrations	•		•		8393.2958
		•	•		8394.2958
 Dolphin Nose Dissector	•		•		8393.4628
		•	•		8394.4628
 Long Nose Dissector, 22mm jaw	•		•		8393.2298
 Atraumatic Tubal Grasper	•		•		8393.2178
 Grasper with Wave Serrations	•		•		8393.2468
 Atraumatic Grasper, with cup	•		•		8393.2368
	•			•	8393.2369
 Atraumatic Grasper, without cup	•		•		8393.2268
	•			•	8393.2269
		•	•		8394.2268
 Petelin Dissector	•		•		8393.2148

Biopsy Forceps / Scissors, 5 mm

Single Piece Design

Rotating handle with flush port			Handle type	Complete instrument • Integrated jaw insert, sheath and handle
				
Instrument	WL 310 mm	WL 430 mm	HF Post • Rotatable without Ratchet	Product Code
 Hook punch by Frangenheim, cutting action, single action jaw	•		•	8393.0168
 Biopsy Forceps, spiked, double action	•		•	8393.4048
 Metzenbaum Scissors	•		•	8393.0248
		•	•	8394.0248
 Hook Scissors	•		•	8393.0068
		•	•	8394.0068

HF connecting cables:

Wolf to Wolf, 10 ft., Reusable8106.132
 Wolf to Wolf, 10 ft., Disposable, sterile, 10 / pkg4106.1320

Replacement caps for flush port,

pkg of 1088.944

HF connecting cables:

Wolf to Valleylab, 10 ft., Reusable8106.033
 Wolf to Valleylab, 10 ft., Disposable, sterile, 10/pkg4106.0330

Grasping Forceps, 5 mm

Single Piece Design

Slide-ratchet handle

			
Instrument	310 mm WL	Non-Rotatable	Rotatable
 Wave Side Grasper, single action jaw	●	8383.2927	8383.2925
 Wave Side Grasper, double action jaw	●	8383.2937	8383.2935
 Retraction Grasper with two teeth	●	8383.4897	8383.4895

- Ergonomic handle with slide-ratchet for secure positioning of the jaw tip

Grasping Forceps, 5 mm
Single Piece Design Monopolar

Handle with cleaning channel and flip-away ratchet mechanism		
		
Instrument	315 mm WL	Type
 Grasping forceps, short, cupped, double action jaw	●	8383.127

HF connecting cables:
Wolf to Wolf, 10 ft., Reusable8106.132
Wolf to Wolf, 10 ft., Disposable, sterile, 10 / pkg4106.1320

HF connecting cables:
Wolf to Valleylab, 10 ft., Reusable8106.033
Wolf to Valleylab, 10 ft., Disposable, sterile, 10/pkg4106.0330

Grasping / Biopsy Forceps / Scissors, 5 mm

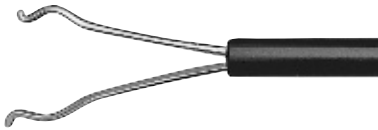
Single Piece Design Monopolar

Handle with cleaning channel and extended finger spur			
Instrument	320 mm WL	450 mm WL	Type
 Grasping forceps, atraumatic, blunt, double action jaws	•		8383.036
 Biopsy forceps with double-spoon jaws and spikes	•		8383.101
 Biopsy forceps, single cutting action	•		8383.124
 Biopsy forceps, hook punch, single cutting action	•		8383.131
		•	8384.131
 Grasping forceps, serrated, fenestrated, double action jaws	•		8383.037
 Hooked scissors, serrated, single action blade	•		8383.026
		•	8384.022

Grasping Forceps, 5 mm
Single Piece Design Monopolar

with spring handle



Instrument	320 mm WL	450 mm WL	Type
	●		8383.141
Grasping forceps, fenestrated, atraumatic		●	8384.141
	●		8383.142
Grasping forceps, atraumatic			
	●		8383.14
Grasping forceps, atraumatic, for fine structures		●	8384.14

HF connecting cables:

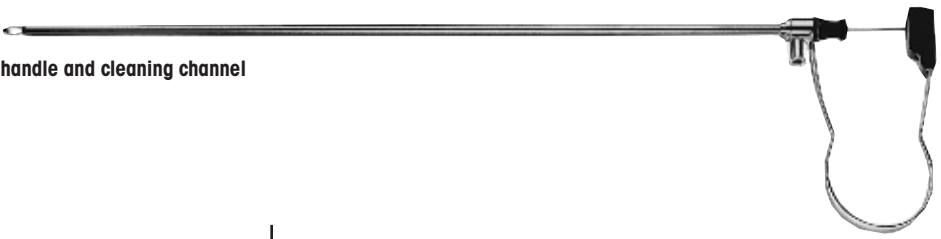
Wolf to Wolf, 10 ft., Reusable8106.132
Wolf to Wolf, 10 ft., Disposable, sterile, 10 / pkg4106.1320

HF connecting cables:

Wolf to Valleylab, 10 ft., Reusable8106.033
Wolf to Valleylab, 10 ft., Disposable, sterile, 10/pkg4106.0330

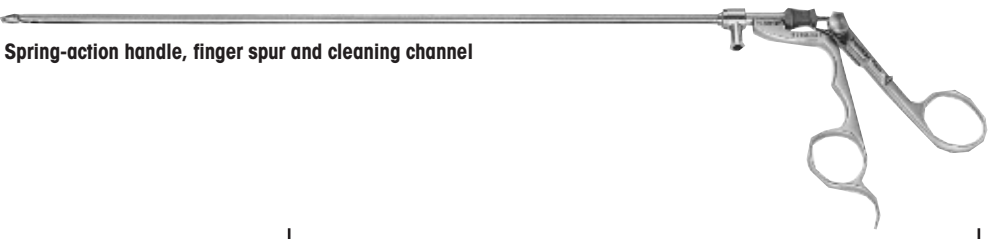
Grasping Forceps, 5 mm

Single Piece Design

 with spring handle and cleaning channel		
Instrument	WL	Type
 Atraumatic forceps with grooved plates	310 mm	8383.41

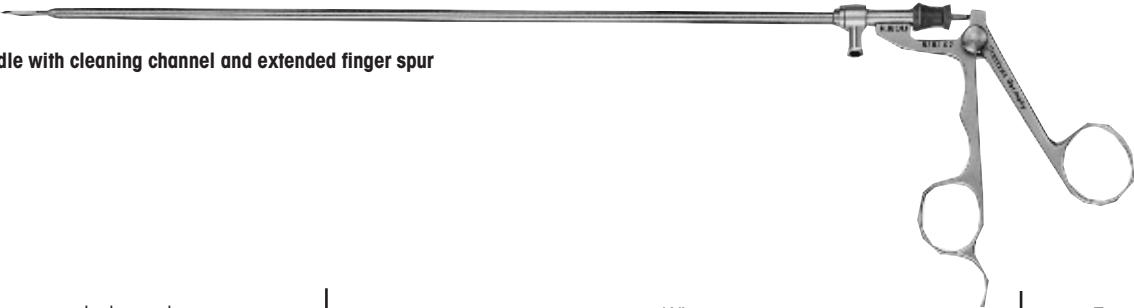
Grasping / Biopsy Forceps, 5 mm

Single Piece Design

 Spring-action handle, finger spur and cleaning channel		
Instrument	WL	Type
 Biopsy forceps, with spikes, single action jaw	315 mm	8383.471

 Ratcheted locking handle		
Instrument	WL	Type
 Grasping forceps, alligator, double action jaw	315 mm	8383.08

Scissors, 5 mm
Single Piece Design

 Handle with cleaning channel and extended finger spur		
Instrument	WL	Type
 Micro scissors, single action blade	310 mm	8382.02
 Sawtooth scissors, straight, blunt, single action blade	320 mm	8383.46

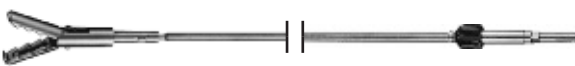
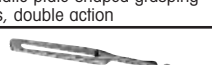
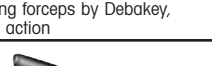
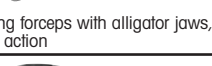
Grasping / Dissecting Forceps, 5 mm

Single Piece Design

 Spring-action handle, extended finger spur and cleaning channel		
Instrument	WL	Type
 Dissecting forceps by Petelin, spring-assisted closing action, angled 30° left, single action jaw	315 mm	8383.581
 Dissecting forceps by Petelin, spring-assisted closing action, angled 60° left, single action jaw	315 mm	8383.582
 Grasping/Dissecting forceps, curved left, single action jaw Handle without spring action	315 mm	8383.571
	Required for use with the instruments listed above: Introducing sleeve 5 / 10 mm with sealing cap (89.02 BL)	8934.981

Grasping / Dissecting Forceps, 10 mm

Modular Design

Jaw insert		Sheath tube, non-insulated		Handle type*	Complete instrument
		WL 310mm		 with ratchet rotatable, no HF	
	Part Number	8395.901		8393.0002	
 Grasping forceps, 2/3 claws single action	8395.204		•	•	8395.2042
 Atraumatic grasping forceps, "Babcock", double action	8395.214		•	•	8395.2142
 Atraumatic bowel grasping forceps, single action	8395.215		•	•	8395.2152
 Universal grasping forceps, double action	8395.224		•	•	8395.2242
 Atraumatic plate-shaped grasping forceps, double action	8395.234		•	•	8395.2342
 Grasping forceps by Debaquey, double action	8395.235		•	•	8395.2352
 Grasping forceps with alligator jaws, double action	8395.236		•	•	8395.2362
 Grasping and dissecting forceps, "Maryland", double action	8395.225		•	•	8395.2252

*Instruments may also be ordered with
axial handle 8393.941

Grasping / Dissecting Forceps, 10 mm

Modular Design

Jaw insert	Sheath tube, non-insulated		Handle type	Complete instrument
	WL 310mm		 with ratchet, rotatable, no HF	
	Part Number	8395.901	8393.0002	
 Dissecting forceps, right angled, double action	8395.226	•	•	8395.2262
 Grasping forceps, spoon-shaped, single action	8395.244	•	•	8395.2442
 Grasping and manipulation forceps, double action	8395.504*	•	•	8395.5042
* Only for use through the 15mm trocar sleeves or 10mm flexible trocar sleeves				

Specialty Forceps, Extended Length, 10 mm

Modular Design

Jaw insert	Sheath tube, non-insulated		Handle Type	Complete instrument
	WL 370mm		 with ratchet, rotatable, no HF	
	Part Number	8397.901	8393.0002	
 Articulating dissector	8397.654S01	•	•	8397.6542 S01
 Anvil grasper for circular stapler	8397.655	•	•	8397.6552

Scissors, 10 mm

Modular Design

Jaw insert	Sheath tube, non-insulated		Handle type	Complete instrument
		WL 310mm	 without ratchet, rotatable, no HF	
	Part Number	8395.901	8393.0001	
 Scissors, curved left, double action	8395.005	●	●	8395.0051

Grasping / Dissecting Forceps, 10 mm

Single Piece Design

Rotating handle with flush port		Handle type	Complete instrument • Integrated jaw insert, sheath and handle
			
Instrument	WL 310 mm	Rotatable Ratcheted, no HF	Product Code
 Grasping Forceps, spoon shape	•	•	8395.2447
 2/3 Claw Forceps, single action	•	•	8395.2047
 Babcock Grasper, double action	•	•	8395.2147
 Dissecting Forceps, right angled	•	•	8395.2267
 Tenaculum Grasping Forceps	•	•	8395.2367
 Babcock Grasper with Serrated Pad	•	•	8395.2247

Grasping Forceps, 10 mm

Single Piece Design

Spring-action handle, extended finger spur with cleaning channel 		
Instrument	WL	Type
 Grasping forceps, 2/3 pronged, single action jaw	335 mm	8385.10
 Grasping forceps, spoon-shaped, single action jaw	335 mm	8385.12
 Alligator grasping and extraction forceps, single action jaw	335 mm	8385.13

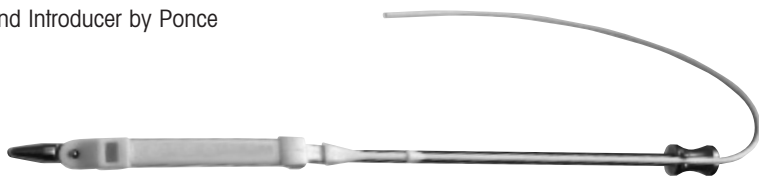
Bariatric Specialty Instruments

Modular Design

Jaw insert		Sheath tube, uninsulated		Handle Type	Complete instrument
		WL 370mm		 with ratchet, rotatable, no HF	
	Part Number	OD	8397.901	8393.0002	
 Anvil grasper for circular stapler	8397.655	10 mm	●	●	8397.6552
 Gastric Band Manipulator/ Esophageal Dissector	8397.654S01	10 mm	●	●	8397.6542 S01

Single Piece Design

Rotating handle with cleaning channel			Handle type	Complete instrument • Jaw insert • Sheath tube • Handle
				
Instrument	OD	WL	Rotatable with Ratchet	Type
 Gastric Band Manipulator	5 mm	340 mm	●	8393.6557

Gastric Band Introducer by Ponce			
			
Instrument	OD	WL	Product Code
 Gastric Band Introducer	8 mm	330 mm	8397.6557

Bariatric Specialty Instruments

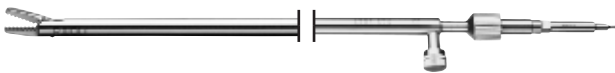
Laparoscopy

		
Instrument	OD	Product Code
Fisher Liver Retractor	5 mm	8383.6917

	
	Scope/Retractor Holder, for stabilizing scopes and instruments from 5mm to 12mm in diameter8175.601

Needle Holders, 3.5 mm / 5 mm / 10 mm

Modular Design

Inner section with sheath tube and irrigation tap				Handle Type	Complete instrument • Jaw insert • Sheath tube • Handle
Instrument	Type	Ø	WL 340mm	WL 430mm	
					axial handle
					8393.941
					Type
 Needle holder, straight with carbide insert, single action	8391.504	3.5mm	•		• 8391.501
 Needle holder, straight, serrated, single action	8393.504	5mm	•		• 8393.501
 Needle holder, straight with carbide insert, single action	8393.505	5mm	•		• 8393.502
	8394.505	5mm		•	• 8394.502
 Needle holder, curved right with carbide insert, single action	8393.514	5mm	•		• 8393.511
	8394.514	5mm		•	• 8394.511
 Needle holder, curved left with carbide insert, single action	8393.515	5mm	•		• 8393.512
	8394.515	5mm		•	• 8394.512
 Multifunction needle holder by Sarbu* single action	8393.506	5mm	•		• 8393.503
	8394.506	5mm		•	• 8394.503
 Needle holder, straight with carbide insert, single action	8395.524	10mm	•		• 8395.521
*with automatic needle alignment mechanism and cutting edge for cutting suture					

- ☐ Modular needle holder with carbide insert suitable for straight and curved needles

Rinsing connector locking cap
for Luer port, 3 mm.....887.00

Needle Holder, 5 mm

Single Piece Design

Axially aligned handle with locking mechanism



Instrument	WL 310 mm	Type
 Needle holder, straight by Messroghli	●	8383.533

Knot Pusher, 5 mm

Modular Design for extracorporeal suturing

Jaw insert		Sheath tube, insulated		Handle type	Complete instrument • Jaw insert • Sheath tube • Handle
					
		WL 310mm		without ratchet, rotatable, no HF	
Instrument	Type	8393.913	8393.0001	Type	
	8393.345	•	•	8393.3451	

Knot Pusher, 5 mm

for endoscopic suturing

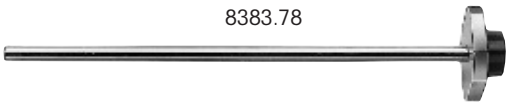
		
Instrument	Working Length	Type
 Knot pusher, for intra-abdominal knots	330 mm	8383.55
 Knot pusher, for extracorporeal knots*	330 mm	8383.551*

*for use with applicator 8383.78

Knot Pusher, 5 mm
for extracorporeal suturing

		
	330 mm WL	Typen / Types
 <i>Extracorporeal knot pusher with distal notch and lateral opening for optimum knotting, extremely atraumatic tip for use as probe</i>		8383.552

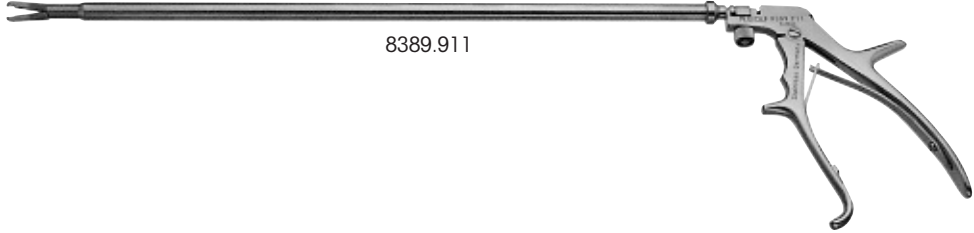
Applicator / Ligature Loops, 5 mm
for endoscopic suturing

		
	8383.78	
Instrument	Working Length	Type
Applicator, with sealing cap*	155 mm	8383.78

*For ligature loops or for introducing a suture with the 3 mm needle holder

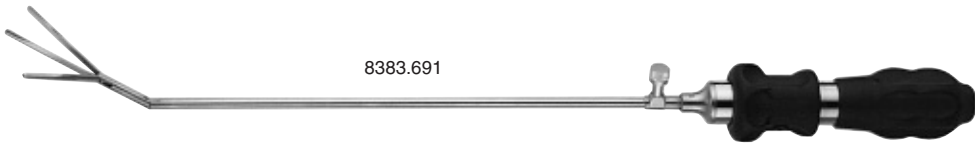
Replacement sealing caps, pkg of 12, blue89.02BL

Clip Applicator, 10 mm

 8389.911		
Instrument	Working Length	Type
 Clip applicator	340 mm	8389.911
 Introducing sleeve	Introducing sleeve, with sealing cap (89.02BL)	8389.991

For clip ligation
using the Ethicon Ligaclip® EXTRA LT 300

Tissue Retractors

 8383.691			
Instrument	OD	Working Length	Type
 Tissue retractor, straight prongs	5 mm	320 mm	8383.691
 Tissue retractors, S-shaped, set of two	12 mm	170 mm	8928.90

Myoma Screw, 5 mm / 10 mm

		
Instrument	Working Length	Type
 Myoma screw, rigid, 5 mm	320 mm	8383.611
 Myoma screw, rigid, 10 mm	320 mm	8385.301

Tenaculum Grasping Forceps

Axially aligned handle with locking mechanism			
			
Instrument	Diameter	Working Length	Type
 Tenaculum grasping forceps, dual action jaws	10 mm	300 mm	8385.181

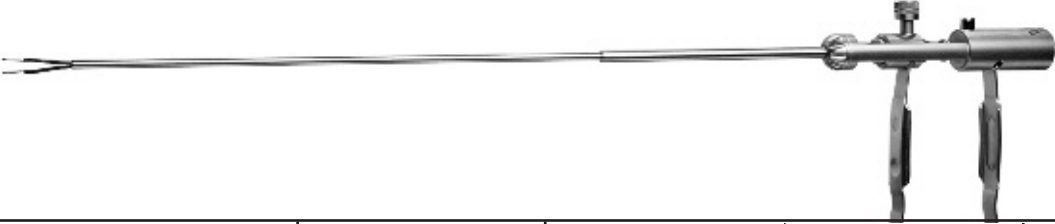
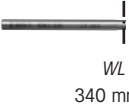
☐ For grasping fibroids or uterine tissue for morcellation

Trocar sleeve, 15 mm.....8943.60

Dilatation 10-15 mm rod, and sleeve set8943.601

Axial handle with ratchet			
			
Instrument	Diameter	Working Length	Type
 Tenaculum grasping forceps, dual action jaws	5 mm	350 mm	8370.26

Bipolar Forceps, 3.5 mm
Modular Design with Spring Handle

					
<i>Tong insert</i>		<i>Outer tube</i>	<i>Screw-on cap with sleeve</i>	<i>Sliding handle</i>	Complete instrument • Tong insert • Outer tube • Screw-on cap • Spring handle
		 WL 340 mm			
Replacement Tongs	Type	8391.921	8393.978	8393.975	Type
 Bipolar forceps, 8 mm paddle	8391.715	•	•	•	8391.742

Replacement sealing cap, 12 / pkg88.03BK
Replacement rinsing cap887.00
Reusable bipolar connecting cable, 9.8 Ft. (3m)8108.031
Single use, disposable bipolar connecting cable, 9.8 Ft. (3m) (pack/10)8108.011

Bipolar connecting cable table, see Accessories section

Classic Kleppinger™ Bipolar Forceps, 5 mm

Modular Design with Syringe Style Handle

				
<i>Tong insert</i>		<i>Syringe Style Handle</i>		Complete instrument • Tong insert • Handle assembly
		 WL 320 mm	WL 430 mm	
Replacement Tongs	Type	8383.240	8384.240	Type
 Bipolar forceps, T-grasper	8393.704	●		8383.2401
	8394.704		●	8384.2401
 Bipolar grasping forceps with Teflon tooth	8393.705	●		8383.2402
	8394.705		●	8384.2402
 Bipolar grasping forceps, Kleppinger	8393.714	●		8383.2403
	8394.714		●	8384.2403
 Bipolar forceps, tweezer	8393.724	●		8383.2404
	8394.724		●	8384.2404
 Bipolar forceps, paddle by Reich	8393.725	●		8383.2405
	8394.725		●	8384.2405
 Bipolar forceps, micro	8393.726	●		8383.2406
	8394.726		●	8384.2406

Reusable bipolar connecting cable, 9.8 ft.....8108.031

Single-use, disposable bipolar connecting cable, 9.8 ft. (pack/10).....8108.011

Classic Kleppinger™ Bipolar Forceps, 5 mm

Modular Design with Scissor Style Handle

				
<i>Tong insert</i> 		<i>Scissor Style Handle</i> 		Complete instrument • Tong insert • Handle assembly
		WL 320 mm	WL 455 mm	
Replacement Tongs	Type	8383.210	8384.210	Type
 Bipolar forceps, T-grasper	8393.704	●		8383.2101
	8394.704		●	8384.2101
 Bipolar grasping forceps with Teflon tooth	8393.705	●		8383.2102
	8394.705		●	8384.2102
 Bipolar grasping forceps, Kleppinger	8393.714	●		8383.2103
	8394.714		●	8384.2103
 Bipolar forceps, tweezer	8393.724	●		8383.2104
	8394.724		●	8384.2104
 Bipolar forceps, paddle by Reich	8393.725	●		8383.2105
	8394.725		●	8384.2105
 Bipolar forceps, micro	8393.726	●		8383.2106
	8394.726		●	8384.2106

Reusable bipolar connecting cable, 9.8 ft.8108.031
 Single use, disposable bipolar connecting cable, 9.8 Ft. (3m) (pack/10)8108.011
 Replacement sealing cap, 12/pkg.88.04GR

Bipolar Forceps, 5 mm

Modular Design with Sliding Handle

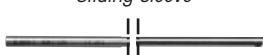
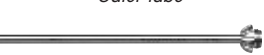
							
Tong insert		Sliding sleeve		Outer tube		Sliding handle	Complete instrument
		WL 300 mm	WL 450 mm	WL 300 mm	WL 415 mm		• Tong insert • Sliding sleeve • Outer tube • Sliding handle
Replacement Tongs	Type	8393.923	8394.923	8393.924	8394.924	8393.974	Type
	8393.704	•		•		•	8393.761
	8394.704		•		•	•	8394.761
Bipolar forceps, T-grasper							
	8393.705	•		•		•	8393.762
	8394.705		•		•	•	8394.762
Bipolar grasping forceps with Teflon tooth							
	8393.714	•		•		•	8393.771
	8394.714		•		•	•	8394.771
Bipolar grasping forceps, Kleppinger							
	8393.724	•		•		•	8393.801
	8394.724		•		•	•	8394.801
Bipolar forceps, tweezer							
	8393.725	•		•		•	8393.823
	8394.725		•		•	•	8394.823
Bipolar forceps, paddle by Reich							
	8393.726	•		•		•	8393.813
	8394.726		•		•	•	8394.813
Bipolar forceps, micro							

Replacement sealing cap, 12 / pkg88.03BK
 Replacement rinsing cap887.00
 Reusable bipolar connecting cable, 9.8 Ft. (3m)8108.031
 Single use, disposable bipolar connecting cable, 9.8 Ft. (3m) (pack/10)8108.011

Bipolar connecting cable table, see Accessories section

Bipolar Forceps, 5 mm

Modular Design with Spring Handle

							
<i>Tong insert</i> 		<i>Sliding sleeve</i> 		<i>Outer tube</i> 		<i>Sliding handle</i> 	Complete instrument • Tong insert • Sliding sleeve • Outer tube • Spring handle
		WL 300 mm	WL 440 mm	WL 300 mm	WL 440 mm		
Replacement Tongs	Type	8393.923	8394.923	8393.925	8394.925	8393.975	Type
	8393.704	•		•		•	8393.731
	8394.704		•		•	•	8394.731
Bipolar forceps, T-grasper							
	8393.705	•		•		•	8393.732
	8394.705		•		•	•	8394.732
Bipolar grasping forceps with Teflon tooth							
	8393.714	•		•		•	8393.741
	8394.714		•		•	•	8394.741
Bipolar grasping forceps, Kleppinger							
	8393.724	•		•		•	8393.781
	8394.724		•		•	•	8394.781
Bipolar forceps, tweezer							
	8393.725	•		•		•	8393.803
	8394.725		•		•	•	8394.803
Bipolar forceps, paddle by Reich							
	8393.726	•		•		•	8393.793
	8394.726		•		•	•	8394.793
Bipolar forceps, micro							

Replacement sealing cap, 12 / pkg88.03BK
 Replacement rinsing cap887.00
 Reusable bipolar connecting cable, 9.8 Ft. (3m)8108.031
 Single use, disposable bipolar connecting cable, 9.8 Ft. (3m)(pack/10)8108.011

Bipolar connecting cable table, see Accessories section

Bipolar Forceps, 5 mm

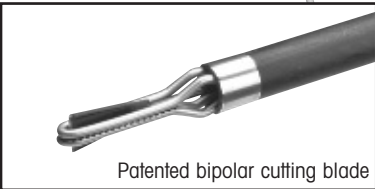
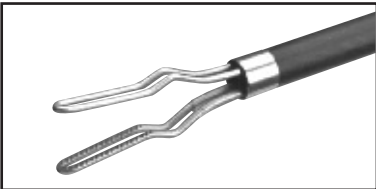
Modular Design with Open Spring Handle

				
<i>Tong insert</i> 		<i>Open spring handle with outer tube</i>  WL 290 mm WL 445 mm		Complete instrument • Tong insert • Handle assembly
Replacement Tongs	Type	8383.974	8384.974	Type
	8393.704	•		8383.23
	8394.704		•	8384.23
	8393.705	•		8383.232
	8394.705		•	8384.232
	8393.714	•		8383.233
	8394.714		•	8384.233
	8393.724	•		8383.234
	8394.724		•	8384.234
	8393.725	•		8383.236
	8394.725		•	8384.236
	8393.726	•		8383.235
	8394.726		•	8384.235

Replacement sealing cap, 12 / pkg89.05YE
 Reusable bipolar connecting cable, 9.8 Ft. (3m)8108.031
 Single use, disposable bipolar connecting cable, 9.8 Ft. (3m) (pack/10)8108.011

Bipolar connecting cable table, see Accessories section

Richard Wolf **PowerBlade** Bipolar Forceps, 5 mm
for bipolar cutting and coagulation



Patented bipolar cutting blade

Connector Style	Diameter	Working Length	Quantity*	Catalog Number
 Connector for Richard Wolf generators	5 mm	310 mm	5 / Box	4393.3865
	5 mm	430 mm	5 / Box	4394.3865
 Connector for Valleylab, ConMed, ERBE style generators	5 mm	310 mm	5 / Box	4393.2865
	5 mm	430 mm	5 / Box	4394.2865

*Individually packed sterile, disposable.

Bipolar generator2352.011

Laparoscopes

Instrumentation

Trocars

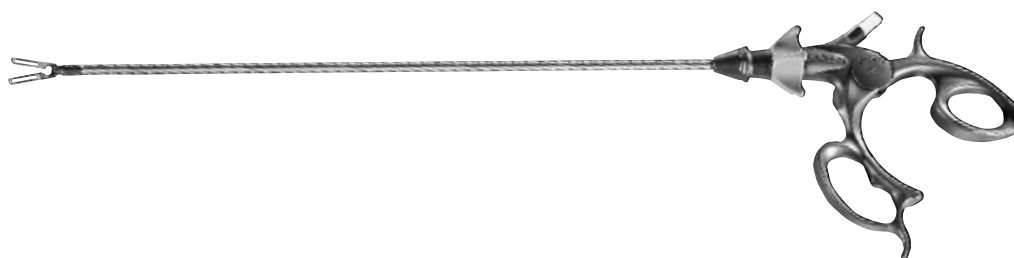
TEM

Thoracoscopy

Accessories / Parts

ERAGON Bipolar Forceps, 5 mm

Modular Design rotatable



<i>Jaw Insert</i>		<i>Sheath</i>	<i>Handle</i>	<i>Complete Instrument</i> • Jaw Insert • Sheath • Handle
		 310 mm WL		
Part Number		83930.921	83930.0102	
 <i>Triangular, fenestrated grasper with serrations</i>	83930.031	•	•	83930.0312
 <i>Maryland grasper / dissector</i>	83930.032	•	•	83930.0322
 <i>Dolphin nose grasper / dissector</i>	83930.033	•	•	83930.0332
 <i>Rectangular, fenestrated grasper with serrations</i>	83930.034	•	•	83930.0342
 <i>Blunt tip grasper</i>	83930.035	•	•	83930.0352
 <i>Grasper with tissue retaining pin</i>	83930.036	•	•	83930.0362
 <i>Metzenbaum scissors</i>	83930.041	•	•	83930.0412

Bipolar cable, reusable
for Wolf generator, 9.8 ft8108.131

Bipolar cable, reusable
for Valleylab generator, 9.8 ft8108.134

Bipolar Generator 2352

with integrated ammeter



- ❑ Automatically delivers the lowest power required to achieve thorough coagulation of tissue.
- ❑ Utilizes **cutting** wave form to ensure precise, thorough coagulation of tissue with minimal adherence to forceps
- ❑ Microprocessor control of all functions and safety systems
- ❑ Precise pre-selection of power limit from 1 - 50 watts
- ❑ Acoustic and visual signal when the generator is activated
- ❑ Proprietary acoustic and visual ammeter assists in determining the endpoint to coagulation
 - **acoustic**
the signal varies between 500 Hz and 150 Hz depending on the HF current flow
 - **visual**
LED bar display of HF current flow
- ❑ Continuity test of the generator, cable and instrument system can be performed prior to procedure by closing the jaws of the forceps and activating the foot switch
- ❑ All basic settings such as power, activation time and acoustic volume can be individually programmed and saved

Bipolar generator

includes foot switch (2030.103)

and 8 ft. power cord.....2352.011

Electrode, 1.7 mm monopolar

		
Instrument	WL 400 mm	Type
		823.06
Coagulation button electrode		

HF connecting cables:

Wolf to Valleylab, 10 ft., Reusable815.033

Wolf to Valleylab, 10 ft., Disposable, sterile, 10 / pkg415.0030

Electrode, 3 mm monopolar

		
Instrument	WL 450 mm	Type
		8380.40
Button electrode		

HF connecting cable:

Wolf to Valleylab, 10 ft., Reusable815.033

Electrodes, 3.5 mm
monopolar

		
Instrument	Working Length 310 mm	Type
 Hook electrode	●	8379.452
 Button electrode	●	8379.462
 Needle electrode	●	8379.482

HF connecting cables:

Wolf to Wolf, 10 ft., Reusable8106.132
Wolf to Wolf, 10 ft., Disposable, sterile, 10 / pkg4106.1320

HF connecting cables:

Wolf to Valleylab, 10 ft., Reusable8106.033
Wolf to Valleylab, 10 ft., Disposable, sterile, 10 / pkg4106.0330

Electrodes, 5 mm monopolar

			
Instrument	Working Length 330 mm	Working Length 450 mm	Type
	•		8383.40
Button electrode		•	8384.40

HF connecting cable:,

Wolf to Valleylab, 10 ft., Reusable815.033

			
Instrument	Working Length 340 mm	Working Length 420 mm	Product Code
	•		8383.423
L-Hook electrode		•	8384.423
	•		8383.425
J-Hook electrode		•	8384.425
	•		8383.426
Needle electrode			
	•		8383.428
Spatula electrode			

HF connecting cables:,

Wolf to Wolf, 10 ft., Reusable8106.132
 Wolf to Wolf, 10 ft., Disposable, sterile, 10/pkg4106.1320

HF connecting cables:,

Wolf to Valleylab, 10 ft., Reusable8106.033
 Wolf to Valleylab, 10 ft., Disposable, sterile, 10/pkg4106.0330

Multifunction Suction-Irrigation System

Suction-Irrigation Handle



- ☐ Autoclavable
- ☐ Durable
- ☐ Low long-term costs
- ☐ Universal applications
- ☐ Interfaces for various attachments
- ☐ Large lumen for efficient irrigation and suction

Suction-irrigation handle8385.901

Sealing cap8385.902

Required to use 5 mm Ø auxiliary instruments:

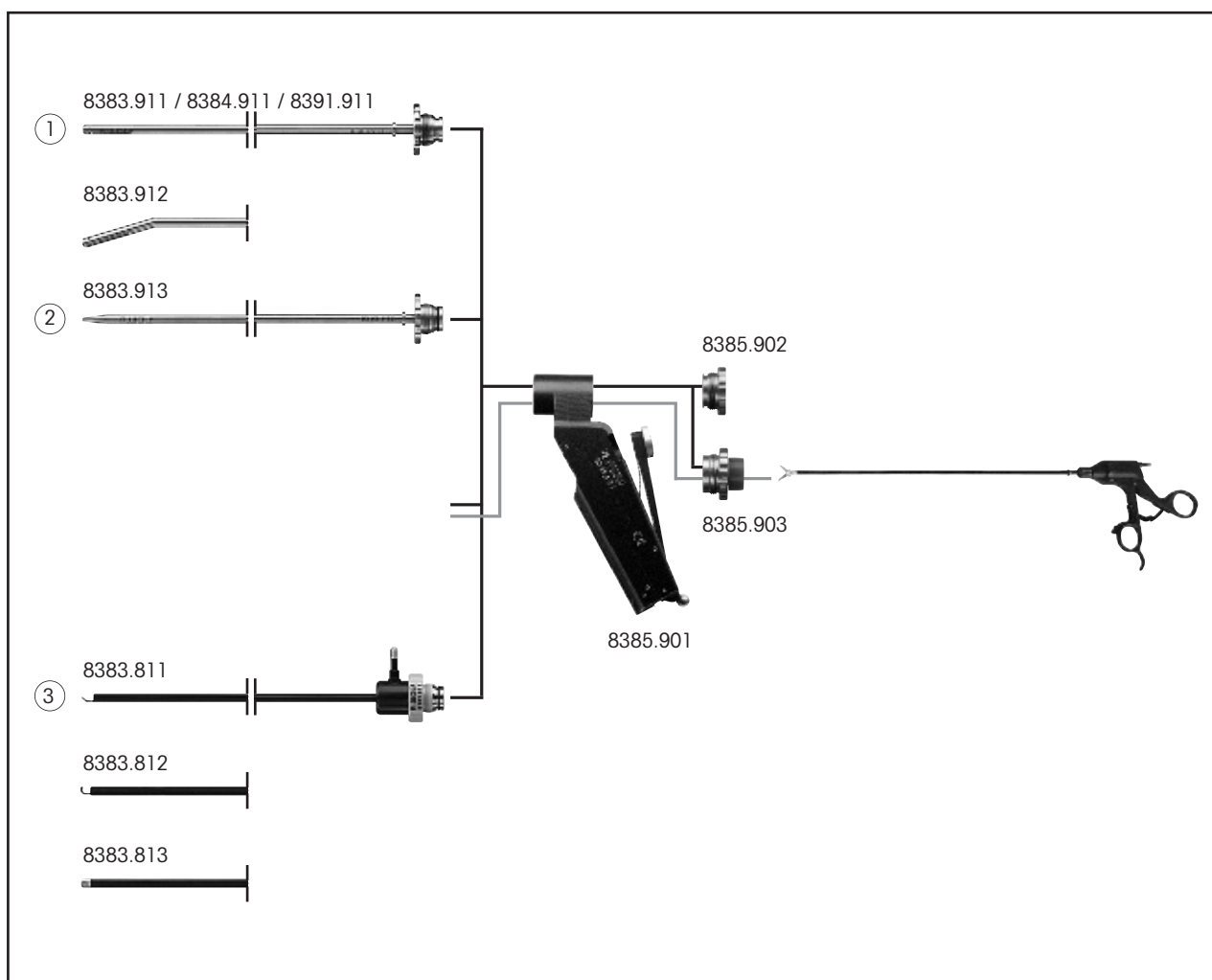
Sealing attachment with opening
and membrane valve8385.903

Spare membrane valve8920.911

Suction-irrigation tube set,
disposable, 10/pkg4170.956

Multifunction Suction-Irrigation System

Possible Combinations



- 1 **Suction or irrigation:**
 - Suction-irrigation8383.911, 8384.911, 8391.911
 - Suction-irrigation tube, angled, (thoracoscopy)8383.912
 - also: sealing cap8385.902
- 2 **Blunt aquadissection**
 - Pressure irrigation tube8383.913
 - also: sealing cap8385.902
- 3 **Tissue dissection with HF**
 - HF spatula probe8383.811
 - HF hooked probe8383.812
 - HF button electrode8383.813
 - also: sealing cap8385.902

Multifunction Suction-Irrigation System

Suction-Irrigation Tubes

			
Instrument	Ø	WL	Type
 Suction-irrigation tube	3.5 mm	310 mm	8391.911
 Suction-irrigation tube	5 mm	310 mm	8383.911
	5 mm	450 mm	8384.911
	5 mm	310 mm <i>Curved distal tip</i>	8383.912
 Irrigation tube for aquadissection	5 mm	310 mm	8383.913
Required for 8385.931 / .951: Sealing attachment with opening and membrane valve Spare membrane valve (8920.911)			8385.903

Multifunction Suction-Irrigation System
monopolar instruments

			
Instrument	5 mm Ø	WL 310 mm	Type
 HF spatula probe	•	•	8383.811
 HF hook electrode	••	••	8383.812
 HF button electrode	••	••	8383.813
as an alternative to the suction irrigation handle: <i>Irrigation attachment with two-way tap</i>			8383.819

Laparoscopes

Instrumentation

Trocars

TEM

Thoracoscopy

Accessories / Parts

Laparopump 2215

Technical Data



- ❑ *Effective irrigation and aspiration of fluids during laparoscopic, minimally invasive surgery*
- ❑ *Simple handling and straightforward unit design*
- ❑ *Optimum irrigation and aspiration performance*
- ❑ *Compatible with suction-irrigation instruments with integrated valves, particularly suitable for modular suction/irrigation handles from R. Wolf*
- ❑ *Extremely safe due to intelligent pressure management controls*
- ❑ *Simple attachment to irrigator for either I.V. stands or video carts*

Laparopump 2215

110-120V, 60 Hz including mounting bracket

(2215.991) for IV stand and power cord2215.002

Laparopump 2215

Technical Data

Classification	Protection class 1, type BF, IP41
Power supply	110-120V, 60 Hz
Power consumption	55 VA
Dimensions (W x H x D)	143 x 317 x 170 mm
Maximum capacity	Irrigation: 1.8 l / min, Aspiration: 1.8 l / min
Maximum irrigation pressure	400 mm Hg (±50 mm Hg)
Vacuum, minimum	-60 kpa (-10 kpa)
Weight	approx. 6 kg

Accessories:

Suction and irrigation tube set

disposable, sterile, 10/pkg.....4170.225

Tube set for attachment to suction port

with filter, disposable, 10/pkg4170.902

Suction canisters

3 liter, complete with lids, connecting tubes and elbow fittings,
disposable, 36/pkg2215.972

Mounting bracket for suction canister2215.992

Wire rings

for holding suction canisters, 12/pkg2215.973

I.V. pole

with sturdy 5-arm base2215.974

For mounting on the side of equipment / video carts

mounting rail for use on flat vertical surfaces31110.901
clamps for holding I.V. pole to mounting rail (qty 2)31110.902
I.V. pole used with clamps and mounting rail31110.905
spacers for use with mounting rail75093.052

Suction / Irrigation Tube, 3 mm
with Luer lock connector

		
Instrument	Working Length	Type
 Coagulating suction tube, with Luer lock connector	450 mm	8380.71

HF connecting cables:

Wolf to Wolf, 10 ft., Reusable8106.132
Wolf to Wolf, 10 ft., Disposable, sterile, 10 / pkg4106.1320

HF connecting cables:

Wolf to Valleylab, 10 ft., Reusable8106.033
Wolf to Valleylab, 10 ft., Disposable, sterile, 10 / pkg4106.0330

Suction / Irrigation Tubes, 5 mm

		
Instrument	Working Length	Type
 Suction / irrigation tube with Luer lock connector (4 mm inner diameter) with distal openings	300 mm	8383.51
 Suction tube with Luer lock connector, (3 mm inner diameter)	330 mm	8383.72
 Suction and instillation tube, with Luer lock connector (3 mm inner diameter)	320 mm	8383.77

		
Instrument	Working Length	Type
 Suction / Irrigation tube with Luer lock connector, graduated markings, valve, (3 mm inner diameter), distal openings	330 mm	8383.68
	445 mm	8384.68

Suction / Irrigation Tubes, 5 mm

		
Instrument	Working Length	Type
	290 mm	8383.732
Suction / irrigation tube, with central and lateral, distal openings, two-way lever valve	410 mm	8384.732

		
Instrument	Working Length	Type
	300 mm	8383.94
Combination suction and irrigation tube, with finger valves, lateral, distal opening		

		
Instrument	Working Length	Type
	320 mm	8383.755
Combination suction and irrigation tube, with trumpet valves, lateral, distal opening		

Proximal end-cap8852.90

Coagulation / Suction Tubes, 5 mm monopolar

with Luer lock connector and one valve



Instrument	Working Length 315 mm	Working Length 450 mm	Type
	•		8383.71
Coagulation / Suction tube , with trumpet valve, Luer lock connector, (3 mm inner diameter), lateral, distal openings		•	8384.71
	•		8383.73*
Coagulation / Suction tube , with stopcock valve, Luer lock connector (3 mm inner diameter), lateral, distal openings		•	8384.73*

HF connecting cable:

Wolf to Wolf, 10 ft, Reusable815.132

HF connecting cables:

Wolf to Valleylab, 10 ft., Reusable815.033

Wolf to Valleylab, 10 ft., Disposable, sterile, 10/pkg415.0030

*HF connecting cables:

Wolf to Wolf, 10 ft., Reusable8106.132

Wolf to Wolf, 10 ft., Disposable, sterile, 10/pkg4106.1320

*HF connecting cables:

Wolf to Valleylab, 10 ft., Reusable8106.033

Wolf to Valleylab, 10 ft., Disposable, sterile, 10/pkg4106.0330

Cannulas, 2 mm
for laparoscopic Microsurgery

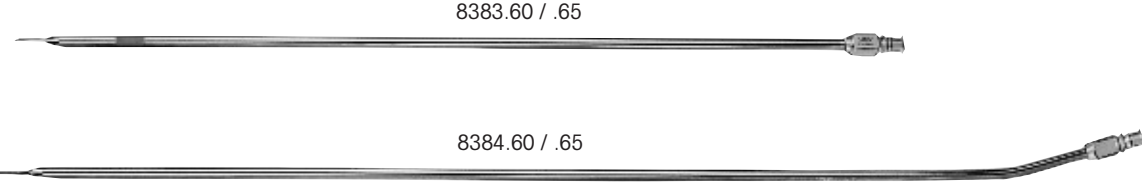
			
Instrument	Ø	WL 240 mm	Type
 Injection and aspiration cannula	1.4 / 2.0 mm	●	8309.241
 Liver biopsy cannula	1.6 / 2.0 mm	●	8309.261

Cannulas, 3.5 mm
with Luer lock connector

			
Instrument	Tip Diameter	Working Length	Type
 Aspiration / injection needle	17 G	310 mm	8379.732

Cannulas, 5 mm

with Luer lock connector

				
Instrument	Tip Diameter	Working Length 345 mm	Working Length 415 mm	Type
 Injection and puncture cannula with Luer lock connector (3 mm inner diameter)	0.7 mm (22 G)	●		8383.60
			●	8384.60
 Injection cannula with Luer lock connector (3 mm inner diameter)	1.8 mm (15 G)	●		8383.65
			●	8384.65
 Insertion sleeve Prevents the tip of the cannula from damage when opening the valve of the trocar sleeve.	—			8383.00

Cannulas, 5 mm

with suction control and Luer lock connector

		
Instrument	Working Length	Type
 Puncture cannula with suction control and 4 mm Luer lock connector (3 mm inner diameter)	315 mm	8383.49
 Insertion sleeve Prevents the tip of the cannula from damage when opening the valve of the trocar sleeve.	—	8383.00



Probes, 5 mm

			
Instrument	Working Length 320 mm	Working Length 445 mm	Type
 Probe, graduated (cm) for palpation and measurement with centimeter markings up to 10 cm		●	8384.66
 Probe solid with centimeter markings up to 5 cm	●		8383.661
		●	8384.661
 Probe solid* titanium (grey matte finish), with centimeter markings up to 5 cm	●		8383.662
		●	8384.662

*For use with lasers