

The Laparoscopic Toolbox



ERAGON modular

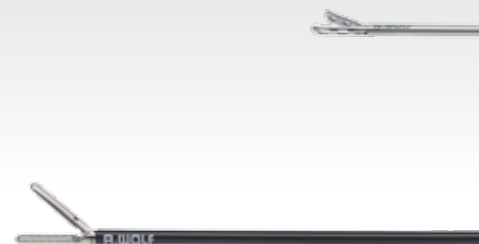
Laparoscopic instrument system
for multidisciplinary use



The Laparoscopic Toolbox

ERAGONmodular sets benchmarks for versatility and quality. The modular instrument generation enables the surgeon to cover a wide range of applications, allowing him to build on precision, reliability, and intuitive handling.

ERAGONmodular is the system for every laparoscopic discipline – your Laparoscopic Toolbox.



3.5 mm, 5 mm and 10 mm – Perfection in every dimension

Jaw inserts for any application and sheath tubes in three important dimensions with a range of working lengths create a universal range of applications. The capability for combination with our **ERAGONmodular** and **ERAGONaxial** handles also plays a role in maximizing versatility.

Alternatives with grip

The ergonomic design of **ERAGON** handles takes into account a surgeon's unique hand and positioning needs. The handles feature wide contact surfaces at sensitive points, optimum operation of the rotation knob, precise grip and manipulation, and a refined ratchet mechanism.



Safety first

ERAGONmodular has a well-designed safety concept. This covers the standard of hygiene and patient safety. The sheath tubes are insulated with Halar®, a high-quality layer of insulation. Vulnerability to insulation damage is significantly reduced compared to shrink tubing insulation. The Halar® coating provides a reliable connection with the metal sheath and also ensures enhanced safety when using monopolar HF current.

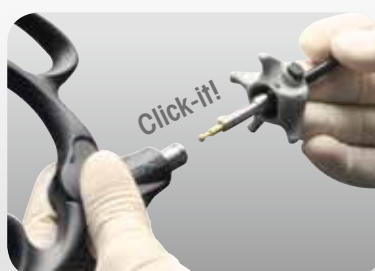
The interior joint mechanism provides additional patient safety. The joint of the jaw insert is covered by the distal end of the sheath tube. This excludes the possibility of unwanted injuries caused by inadvertently pinching any tissue.

Connecting convenience

The "Click-it" lock technology enables the **ERAGONmodular** instrument system assembly by surgical technicians for smooth streamlined procedures in the operating room and in reprocessing departments.

The intuitive "Click-it" system operates entirely without complicated mechanisms and can be activated safely and reliably at any time.

ERAGONmodular offers a decisive advantage with the "Click-it" technology. The resulting fast and precise connection between the components forms the basis for the efficiency of the entire modular system.



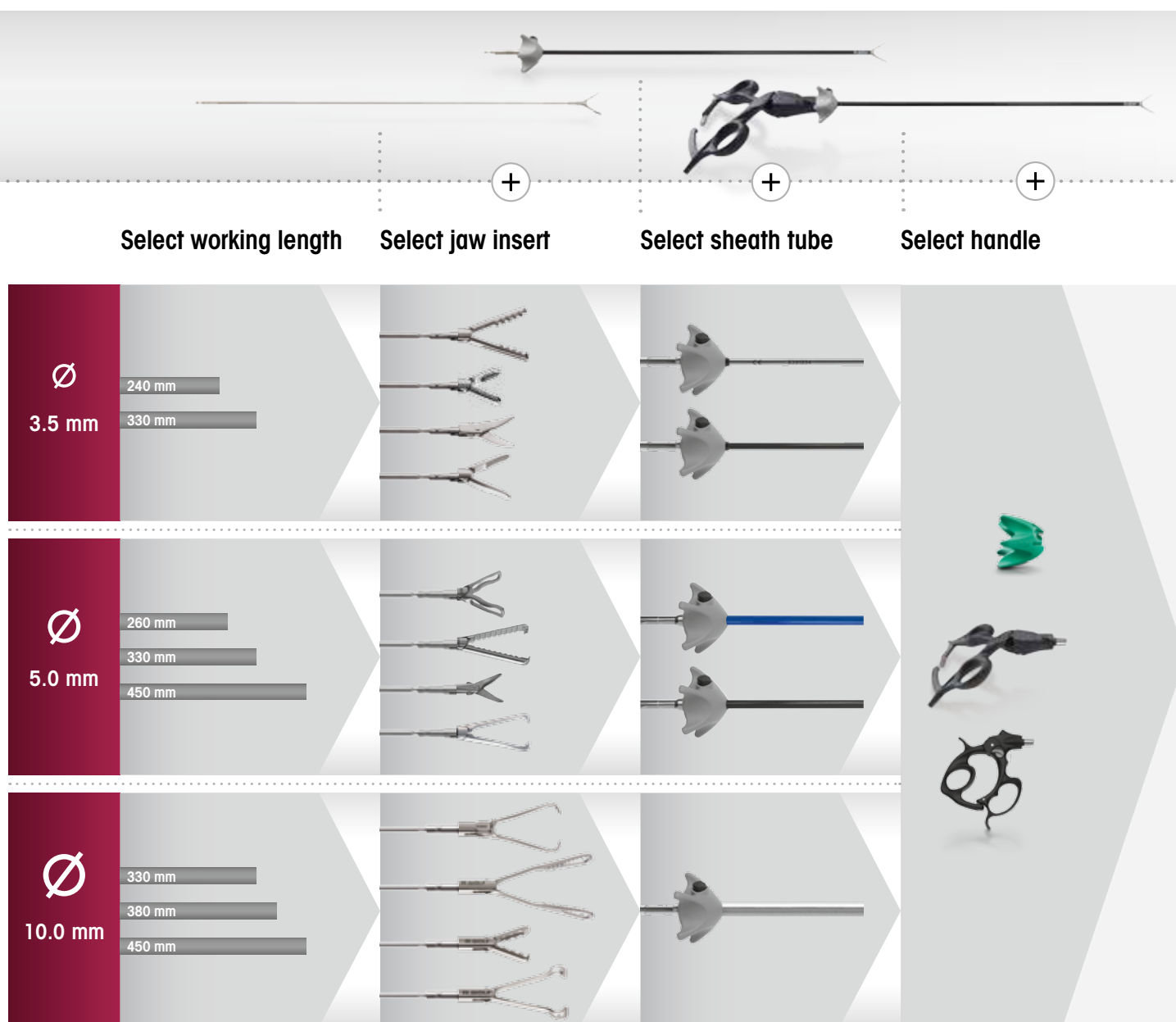
Overview of ERAGONmodular

- Comprehensive instrument system, perfectly integrated
- Streamlined and cost-effective
- Individually combinable
- Interdisciplinary applications
- Intuitive and ergonomic
- Optimized tray configuration
- Well-designed safety concept
- Wide range of jaw inserts with different diameters and working lengths
- Large selection of handle versions

The route to an individual laparoscopic tray

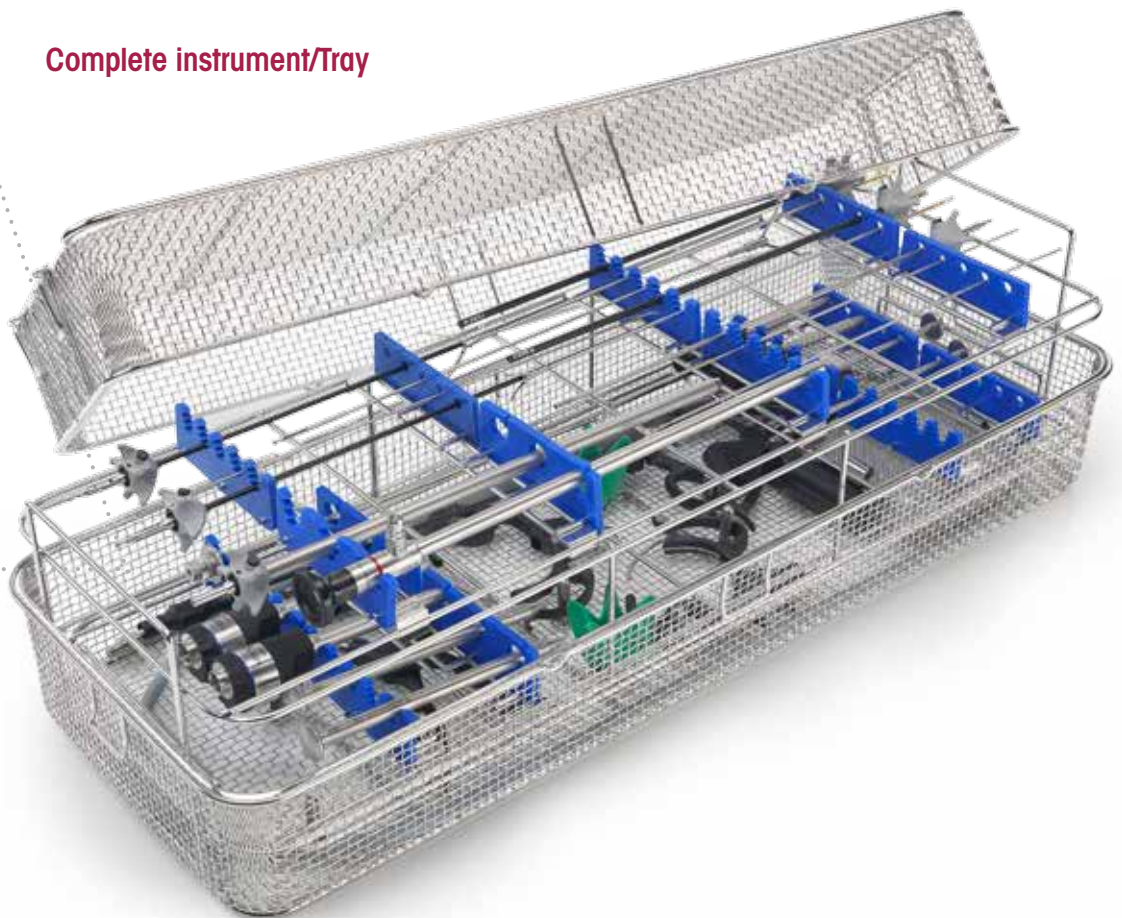
The toolbox principle

ERAGON_{modular} offers surgeons a wide range of options for creating their ideal laparoscopic set. Ergonomic handles, all diameters relevant to the routine requirements of medical practice, effective working lengths, and a range of jaw sections can be combined as necessary. This universal compatibility also ensures that individual trays can comprise fewer instruments – an advantage for efficiency and an opportunity to reduce costs.

















Complete instrument/Tray



ERAGON^{modular}_{mini}











ø 3.5 mm, insulated


		Handle	
 <p>All jaw inserts and sheaths can also be combined with ERAGONaxial.</p>			
		without lock, with HF connector	with lock, with HF connector
Knob attachment	Type	83930083	83930084
	8988	•	•

Jaw insert		Sheath, ø 3.5 mm, insulated		Handle		Complete instrument • Jaw insert • Sheath tube • Handle
						
		WL 240 mm	WL 330 mm	without lock, with HF, mono	with lock, with HF, mono	
	Type	8390933	8391933	83930073	83930074	Type
Grasping and dissecting forceps  curved left, double-action	8390207	•			•	83902077
	8391207		•		•	83912077
Grasping and dissecting forceps  long, fine tip, double-action	8390221	•			•	83902217
	8391221		•		•	83912217
Grasping and dissecting forceps  short, fine tip, double-action	8390222	•			•	83902227
	8391222		•		•	83912227
Grasping and dissecting forceps  curved, double-action	8390223	•			•	83902237
	8391223		•		•	83912237

The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath and handle versions. However, any combination is possible within the same diameter. The **ERAGONaxial** handle can also be selected as an addition, or an alternative.





ø 3.5 mm, insulated








Jaw insert		Sheath, ø 3.5 mm, insulated		Handle			Complete instrument • Jaw insert • Sheath tube • Handle
							
		WL 240 mm	WL 330 mm	without lock, with HF, mono	with lock, with HF, mono	without lock, with HF connector	
	Type	8390933	8391933	83930073	83930074	83930083	Type
 double-action	8390215	•		•			83902157
	8391215		•	•			83912157
 fine serrated, curved, double-action	8390224	•		•			83902247
	8391224		•	•			83912247
 single-action	8390227	•		•			83902277
	8391227		•	•			83912277
 Double-spoon forceps after Hürtgen	8390216	•			•		83902167
	8391216		•		•		83912167
 Punch after Friedel	8390217	•			•		83902177
	8391217		•		•		83912177

	Type	8390933	8391933	83930073	83930074	83930083	Type
 SAXENA pylorus spreader	8390228	•				•	83902287
	8391228		•			•	83912287

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ø 3.5 mm, uninsulated

		Handle	
 All jaw inserts and sheaths can also be combined with ERAGONaxial .			
		with lock, without HF connector	with lock, without HF connector, not rotatable
Knob attachment	Type	83930082	83930085
	8988	•	

Jaw insert		Sheath, ø 3.5 mm, insulated		Handle	Complete instrument • Jaw insert • Sheath tube • Handle
					
		WL 240 mm	WL 330 mm	with lock, without HF	
	Type	8390934	8391934	83930072	Type
Grasping and dissecting forceps  double-action	8390219	•		•	83902197
	8391219		•	•	83912197
Grasping and dissecting forceps  2x4 teeth, double-action	8390220	•		•	83902207
	8391220		•	•	83912207
Atraumatic grasping forceps  fenestrated, double-action	8390208	•		•	83902087
	8391208		•	•	83912087
Atraumatic grasping forceps  fenestrated, single-action	8390218	•		•	83902187
	8391218		•	•	83912187







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ø 3.5 mm, uninsulated

Jaw insert		Sheath, ø 3.5 mm, insulated		Handle	Complete instrument • Jaw insert • Sheath tube • Handle
					
		WL 240 mm	WL 330 mm	with lock, without HF	
	Type	8390934	8391934	83930072	Type
 Atraumatic grasping forceps double fenestrated, curved, single-action	8390225	•		•	83902257
	8391225		•	•	83912257
 Atraumatic grasping forceps fenestrated, double-action	8390226	•		•	83902267
	8391226		•	•	83912267
 Universal grasping forceps double-action	8390209	•		•	83902097
	8391209		•	•	83912097
 Grasping forceps "Babcock" double-action	8390210	•		•	83902107
	8391210		•	•	83912107

The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath and handle versions. However, any combination is possible within the same diameter. The **ERAGONaxial** handle can also be selected as an addition, or an alternative.









ø 5.0 mm, insulated

		Handle			
 All jaw inserts and sheaths can also be combined with ERAGONaxial .					
		with lock	without lock, with HF connector	with lock, with HF connector	with lock, not rotatable
Knob attachment	Type	83930082	83930083	83930084	83930085
	8988	•	•	•	

Jaw insert		Sheath tube, ø 5 mm, insulated			Handle			Complete instrument • Jaw insert • Sheath tube • Handle
								
	Type	WL 260 mm	WL 330 mm	WL 450 mm	with lock, without HF	without lock, with HF, mono	with lock, with HF, mono	Type
Grasping and dissecting forceps "Maryland Dissector"  curved, with fine cross-cut toothing, double-action	8393.281		•				•	83932817
	8394.281			•			•	83942817
Grasping and dissecting forceps "Mixer"  angled, fine pyramid-shaped toothing, double-action	8393.283		•				•	83932837
	8393.185		•				•	83931857
Grasping and dissecting forceps  fenestrated, with fine cross-cut toothing, 15 mm long, single-action			•				•	









The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath and handle versions. However, any combination is possible within the same diameter. The **ERAGONaxial** handle can also be selected as an addition, or an alternative.

ø 5.0 mm, insulated

Jaw insert		Sheath tube, ø 5 mm, insulated			Handle			Complete instrument • Jaw insert • Sheath tube • Handle
								
		WL 260 mm	WL 330 mm	WL 450 mm	with lock, without HF	without lock, with HF, mono	with lock, with HF, mono	
	Type	8392933	8393933	8394933	83930072	83930073	83930074	Type
Grasping and dissecting forceps 		8393.184	•				•	83931847
fenestrated, with fine cross-cut toothings, 20 mm long, single-action		8394.184		•			•	83941847
Grasping and dissecting forceps "Dolphin" 		8393.285	•			•		83932857
angled, fine cross-cut toothings, with jaw throat, slimline, 15 mm long, double-action								
Grasping and dissecting forceps 		8393.289	•				•	83932897
fine pyramid-shaped toothings, slimline, 18 mm, double-action								
Atraumatic grasping forceps 		8393.292	•		•			83932925
jaw throat with wavy tooth edge, 20 mm, single-action		8394.292		•	•			83942925
Atraumatic grasping forceps 		8393.293	•		•			83932935
jaw throat with wavy tooth edge, 20 mm, double-action		8394.293		•	•			83942935









The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath and handle versions. However, any combination is possible within the same diameter. The **ERAGONaxial** handle can also be selected as an addition, or an alternative.

ø 5.0 mm, insulated

Jaw insert		Sheath tube, ø 5 mm, insulated			Handle			Complete instrument • Jaw insert • Sheath tube • Handle
								
		WL 260 mm	WL 330 mm	WL 450 mm	with lock, without HF	without lock, with HF, mono	with lock, with HF, mono	
	Type	8392933	8393933	8394933	83930072	83930073	83930074	Type
Grasping and dissecting forceps								
 fine pyramid-shaped toothings, slimline, 14 mm, double-action, 5 mm, unipolar	8393.288		•				•	83932887
Atraumatic grasping forceps								
	8392.181	•					•	83921817
	8393.181		•				•	83931817
fenestrated, with cross-cut toothings, double-action	8394.181			•			•	83941817
Atraumatic grasping forceps								
	8393.195		•			•		83931957
	8394.195			•		•		83941957
smooth, double-action								
Grasping forceps "Babcock"								
 Grasping surface with fine cross-cut toothings, double-action	8393.186		•		•			83931867
Grasping forceps "Babcock"								
	8393.187		•		•			83931877
large distal grip jaws with fine cross-cut toothings, double-action	8394.187			•	•			83941877









The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath and handle versions. However, any combination is possible within the same diameter. The **ERAGONaxial** handle can also be selected as an addition, or an alternative.

ø 5.0 mm, insulated

Jaw insert		Sheath tube, ø 5 mm, insulated			Handle			Complete instrument • Jaw insert • Sheath tube • Handle
								
		WL 260 mm	WL 330 mm	WL 450 mm	with lock, without HF	without lock, with HF, mono	with lock, with HF, mono	
	Type	8392933	8393933	8394933	83930072	83930073	83930074	Type
Grasping and dissecting forceps "Debakey"  atraumatic clip, double-action, jaw section length 30 mm		8393190	•		•			83931907
Grasping and dissecting forceps "Debakey"  atraumatic clip, double-action, jaw section length 40 mm		8393191	•		•			83931917
Grasping forceps  with row of teeth, double-action		8393.485	•				•	83934857
Grasping forceps  with one tooth, fine cross-cut toothings, slimline, double-action		8393.486	•				•	83934867
Grasping forceps  with two teeth, fine cross-cut toothings, single-action		8393.487	•				•	83934877









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ø 5.0 mm, insulated

Jaw insert		Sheath tube, ø 5 mm, insulated			Handle			Complete instrument • Jaw insert • Sheath tube • Handle
								
	Type	8392933	8393933	8394933	83930072	83930073	83930074	Type
 <p>with two teeth, wavy grasping surface, double-action</p>	Grasping forceps	8393.490	•		•			83934907
		8394.490		•	•			83944907
 <p>30° left angled, with cross-cut toothings, single-action</p>	Dissecting forceps "Petelin"	8393.282	•				•	83932827
 <p>fenestrated with fine cross-cut toothings, double-action</p>	Plate-shaped grasping forceps	8393.182	•				•	83931827
 <p>fine cross-cut toothings, double-action</p>	Grasping and dissecting forceps	8393.183	•			•		83931837
 <p>distal cross-cut toothings with jaw throat, double-action</p>	Grasping and coagulating forceps	8393.287	•			•		83932877








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ø 5.0 mm, insulated

Jaw insert		Sheath tube, ø 5 mm, insulated			Handle			Complete instrument • Jaw insert • Sheath tube • Handle
								
		WL 260 mm	WL 330 mm	WL 450 mm	with lock, without HF	without lock, with HF, mono	with lock, with HF, mono	
	Type	8392933	8393933	8394933	83930072	83930073	83930074	Type
Claw grasping forceps  double-action	8393.494		•		•			83934945
Grasping and extraction forceps  Myoma grasping forceps, 2x3-claw, 30 mm, single-action	8393.488		•		•			83934887
Universal grasping forceps  pyramid-shaped toothings and cross-cut toothings, 15 mm, double-action	8393.481		•				•	83934817
Universal holding forceps  Pyramid-shaped toothings and cross-cut toothings, 25 mm, double-action	8393.482		•		•			83934827
Grasping and extraction forceps "pike-mouth"  double-action	8393.483		•				•	83934837







The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath and handle versions. However, any combination is possible within the same diameter. The **ERAGONaxial** handle can also be selected as an addition, or an alternative.

ø 5.0 mm, insulated

Jaw insert		Sheath tube, ø 5 mm, insulated			Handle			Complete instrument • Jaw insert • Sheath tube • Handle
								
		WL 260 mm	WL 330 mm	WL 450 mm	with lock, without HF	without lock, with HF, mono	with lock, with HF, mono	
	Type	8392933	8393933	8394933	83930072	83930073	83930074	Type
Biopsy forceps								
	8393.091		•			•		83930917
with pins, double-action	8394.091			•		•		83940917
Biopsy forceps								
	8393.092		•			•		83930927
severing, single-action	8394.092			•		•		83940927
Biopsy forceps								
	8393.093		•			•		83930937
pointed spoon forceps, single-action								
Extracorporeal knot applicator								
	8393345		•		•			83933457
with distal recess, double-action								








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ø 5.0 mm, insulated

Jaw insert		Sheath tube, ø 5 mm, insulated			Handle			Complete instrument • Jaw insert • Sheath tube • Handle
								
		WL 260 mm	WL 330 mm	WL 450 mm	with lock, without HF	without lock, with HF, mono	with lock, with HF, mono	
	Type	8392933	8393933	8394933	83930072	83930073	83930074	Type
Grasping and extraction forceps  triangular, fenestrated, with finecross-cut toothing, double-action, with spring jaws		8393.188	•		•			83931887
Grasping and dissecting forceps  fine cross-cut toothing, fenestrated, double-action, with spring jaws		8393.189	•		•			83931897
		8394.189		•	•			83941897
Grasping and dissecting forceps  Atraumatic clip "Debakey", longitudinal grooves with fine cross-cut toothing, double-action, with spring jaws		8393.291	•		•			83932917

The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath and handle versions. However, any combination is possible within the same diameter. The **ERAGONaxial** handle can also be selected as an addition, or an alternative.




ø 5.0 mm, insulated

Jaw insert		Sheath tube, ø 5 mm, insulated			Handle			Complete instrument • Jaw insert • Sheath tube • Handle
								
		WL 260 mm	WL 330 mm	WL 450 mm	with lock, without HF	without lock, with HF, mono	with lock, with HF, mono	
	Type	8392933	8393933	8394933	83930072	83930073	83930074	Type
 Scissors "Metzenbaum"	8393.041		•			•		83930417
	8394.041 curved, double-action			•		•		83940417
 Micro-scissors "Metzenbaum"	8393.044 curved, double-action, 5 mm, unipolar		•			•		83930447
 Scissors	8393.045 slimline, straight, double-action		•			•		83930457
 Hook scissors	8393.081		•			•		83930817
	8394.081 serrated, single-action			•		•		83940817

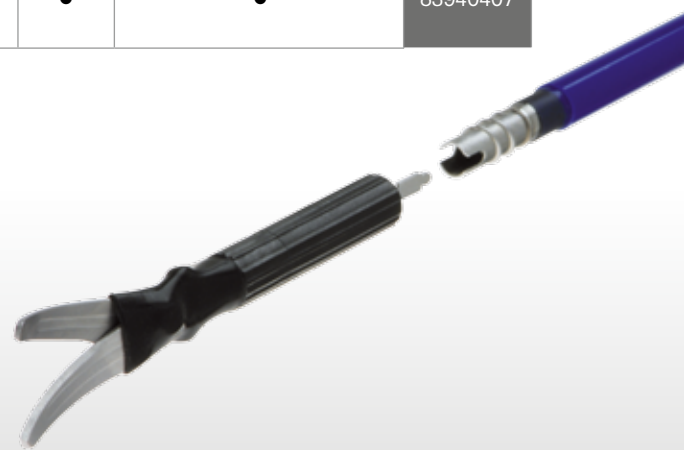
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ERAGON^{modu} blades





ø 5.0 mm, insulated


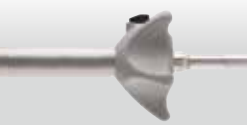




		Handle
 All jaw inserts and sheaths can also be combined with ERAGONaxial .		
		without lock, with HF connector
Knob attachment	Type	83930083
	8988	•

Scissor blades	Pull rod			Sheath tube, ø 5 mm, insulated			Handle	Complete instrument
								• Jaw insert • Sheath tube • Handle
"Metzenbaum", HF mono, (pack of ten), disposable, packed singly, sterile	WL 260 mm	WL 330 mm	WL 450 mm	WL 260 mm	WL 330 mm	WL 450 mm	without lock, rotatable, with HF connector	
Type	8392934	8393934	8394934	8392935	8393935	8394935	83930073	Type
4393.040	•			•			•	83920407
		•			•		•	83930407
			•			•	•	83940407











ø 10.0 mm, uninsulated

		Handle	
 All jaw inserts and sheaths can also be combined with ERAGONaxial .			
		with lock, without HF connector	with lock, without HF connector, not rotatable
Knob attachment	Type	83930082	83930085
	8988	•	

Jaw insert		Sheath, ø 10 mm, uninsulated		Handle	Complete instrument
					<ul style="list-style-type: none"> • Jaw insert • Sheath tube • Handle
		WL 330 mm	WL 450 mm	with lock, without HF	
	Type	8395902	8396902	83930072	Type
Grasping and dissecting forceps "Maryland"  double-action	8395.225	•		•	83952257
	8396225		•	•	83962257
Dissecting forceps  right-angled, double-action	8395.226	•		•	83952268
	8396226		•	•	83962267
Grasping forceps with pike mouth  double-action	8395.236	•		•	83952368
	8396236		•	•	83962367






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ø 10,0 mm, uninsulated

Jaw insert		Sheath, ø 10 mm, uninsulated		Handle	Complete instrument • Jaw insert • Sheath tube • Handle
					
		WL 330 mm	WL 450 mm	with lock, without HF, mono	
	Type	8395902	8396902	83930072	Type
Claw grasping forceps  double-action	8395.489	•		•	83954897
Claw grasping forceps  with additional row of teeth, double-action	8395490	•		•	83954907
Atraumatic grasping forceps "Babcock"  large distal grasping surface with fine cross-cut toothing, double-action	8395.187	•		•	83951877
	8396187		•	•	83961877
Atraumatic grasping forceps "Babcock"  double-action	8395.214	•		•	83952148
	8396215		•	•	83962157
Grasping forceps  2/3 claw-shaped	8395.204	•		•	83952048
	8396204		•	•	83962047







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ø 10.0 mm, uninsulated

Jaw insert		Sheath, ø 10 mm, uninsulated		Handle	Complete instrument • Jaw insert • Sheath tube • Handle
					
		WL 330 mm	WL 450 mm	with lock, without HF, mono	
	Type	8395902	8396902	83930072	Type
 Atraumatic plate-shaped grasping forceps	8395.234	•		•	83952347
	8396234 double-action		•	•	83962347
 Spoon forceps	8395.244	•		•	83952448

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ø 10.0 mm, uninsulated

Jaw insert		Sheath, ø 10 mm, uninsulated	Handle		Complete instrument • Jaw insert • Sheath tube • Handle
					
		WL 380 mm	with lock, without HF connector	with lock, without HF connector	
	Type	8397902	83930072	83930082	Type
Manipulator for Gastric Banding  90° articlable, atraumatic dissector, branch with distal slot and hook		8397.654	•	•	83976547
Anvil Grasper  30° angled, double-action		8397.655	•	•	83976558

The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath and handle versions. However, any combination is possible within the same diameter. The **ERAGONaxial** handle can also be selected as an addition, or an alternative.

