

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.



2.0 mm, 3.5 mm, 5.0 mm and 10.0 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.

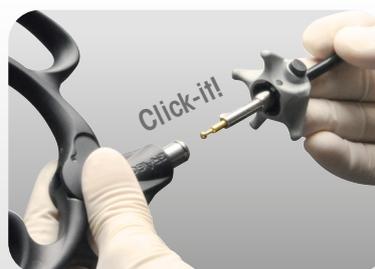
The interior joint mechanism provides additional patient safety. The joint of the jaw insert is covered by the distal end of the sheath tube. This excludes the possibility of unwanted injuries caused by inadvertently pinching any tissue.

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.



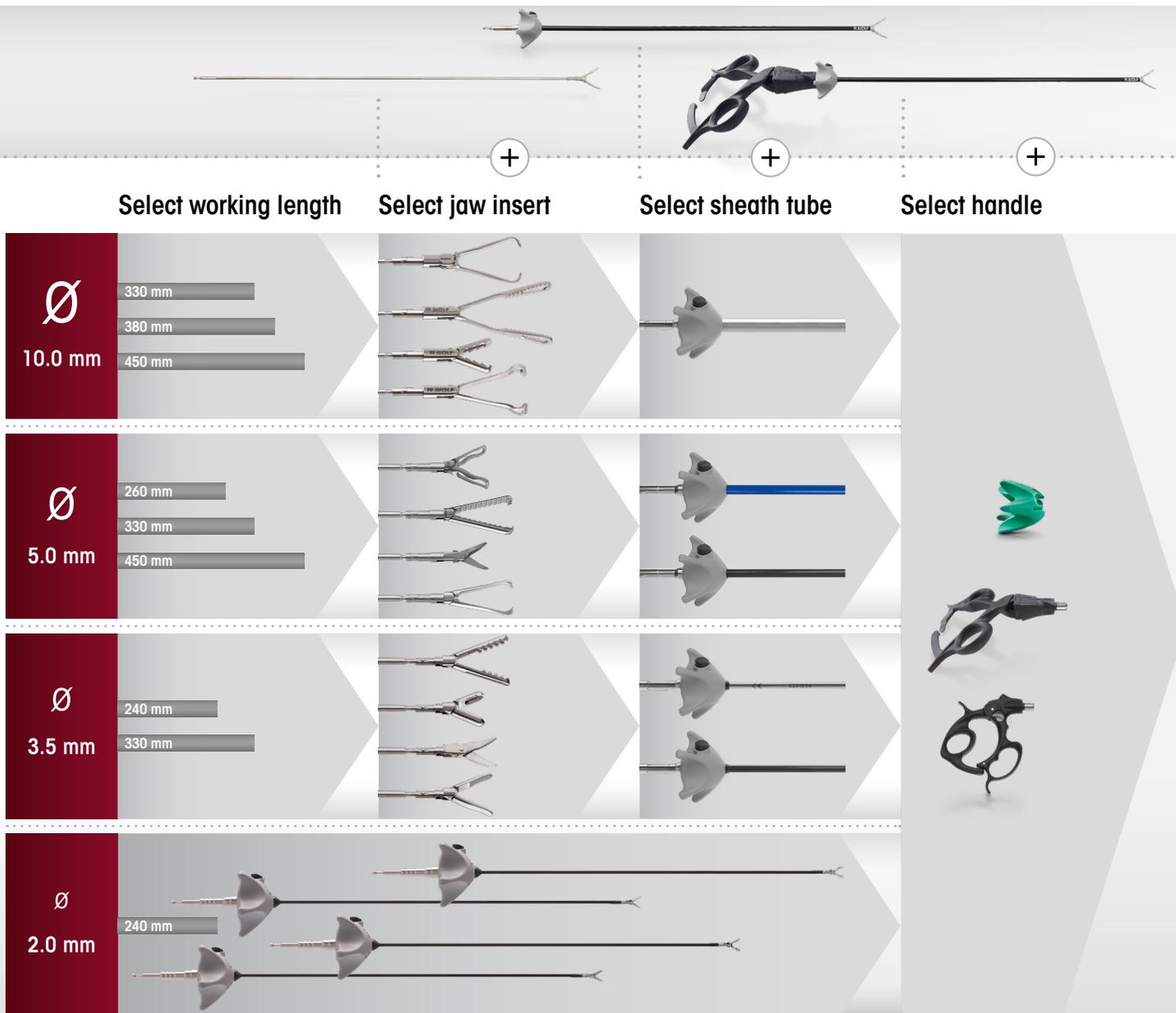
Overview of ERAGONmodular

- 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

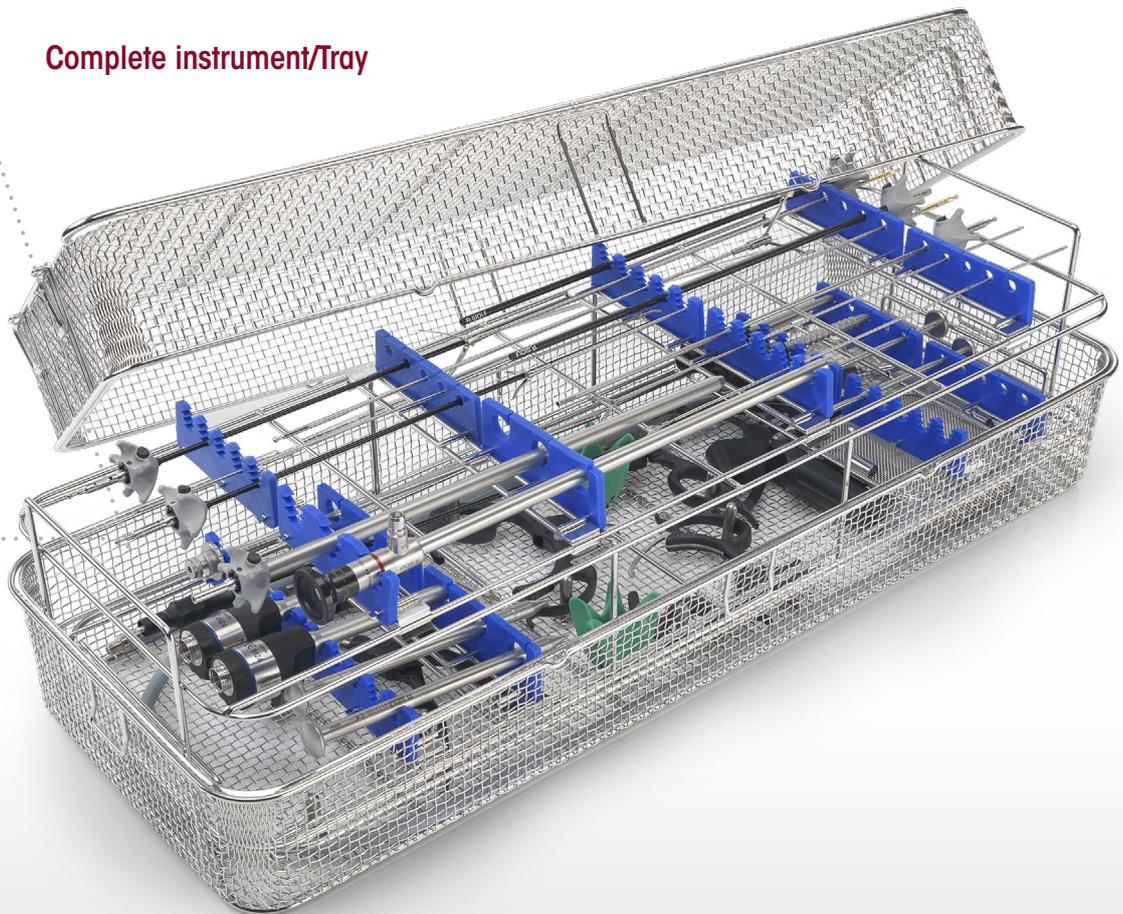
The toolbox principle

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.





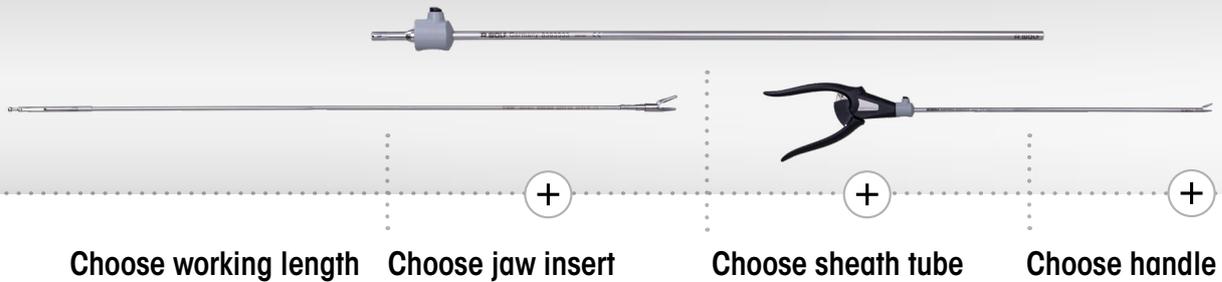
Complete instrument/Tray



ERAGON^{stitch}

The ergonomic needle-holder generation

Thanks to the custom combination options it offers, **ERAGONstitch** can accommodate any user requirement. The way in which it brings together ergonomics, versatility, modularity, and precision sets new standards in comfort.



Working Length	Jaw Insert	Sheath Tube	Handle
5.0 mm 330 mm 450 mm	5 different jaw insert options	1 sheath tube option	1 handle option
3.5 mm 240 mm 330 mm	1 jaw insert option	1 sheath tube option	1 handle option

Needle holder ERAGONstitch



ERAGON modular micro

ø 2.0 mm, insulated

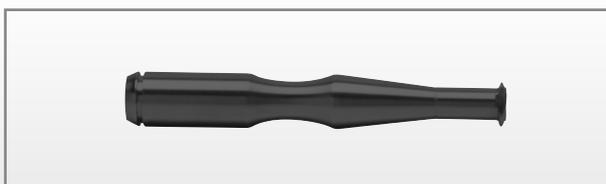
		Handle	
 All jaw inserts and sheaths can also be combined with ERAGONaxial.			
		without lock, with HF connector	without lock, with HF connector
Knob attachment	Type	83930083	83930084
	8988	•	•

Jaw insert	Sheath tube, ø 2.0 mm, insulated	Handle	Complete instrument
			• Jaw insert • Sheath tube • Handle
	WL 240 mm	without lock, with HF, mono	
	Type	83930073	Type
 straight, double jaw action	8388200	•	83882007

The complete Instrument Sets highlighted above are only recommendations. However, any other combination of the instruments is possible with the ERAGONaxial handles.

ø 2.0 mm, insulated

Jaw insert		Sheath tube, ø 2.0 mm, insulated	Handle	Complete instrument • Jaw insert with sheath tube • Handle
				
		WL 240 mm	with lock, with HF, mono	
	Type		83930074	Type
Dissector  straight, double jaw action	8388201	•	•	83882017
Atraumatic grasping forceps  fenestrated, double jaw action	8388202	•	•	83882027
Universal grasping forceps  double jaw action	8388203	•	•	83882037



For manual and machine reprocessing:

Irrigation adapter,
Ø 9 mm, length 64 mm
for insulated sheath tubes 163502

The complete Instrument Sets highlighted above are only recommendations. However, any other combination of the instruments is possible with the ERAGONaxial handles.

ø 3.5 mm, insulated

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

Jaw insert		Sheath tube, 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	•				•
	8391207		•			•
Grasping and dissecting forceps  long, fine tip, double-action	8390221	•				•
	8391221		•			•
Grasping and dissecting forceps  short, fine tip, double-action	8390222	•				•
	8391222		•			•
Grasping and dissecting forceps  curved, double-action	8390223	•				•
	8391223		•			•

The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath tube 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 tube, 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
	8390216	•			•		83902167
	8391216		•		•		83912167
	8390217	•			•		83902177
	8391217		•		•		83912177

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

The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath tube 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, uninsulated

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

Jaw insert	Sheath tube, ø 3.5 mm, uninsulated		Handle	Complete instrument	
				<ul style="list-style-type: none"> • Jaw insert • Sheath tube • Handle 	
	WL 240 mm	WL 330 mm	with lock, without HF		
	Type	8390934	8391934	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

The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath tube 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.

∅ 3.5 mm, uninsulated

Jaw insert		Sheath tube, ∅ 3.5 mm, uninsulated		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	8390225	•		•	83902257
	double fenestrated, curved, single-action	8391225	•	•	83912257
 Atraumatic grasping forceps	8390226	•		•	83902267
	fenestrated, double-action	8391226	•	•	83912267
 Universal grasping forceps	8390209	•		•	83902097
	double-action	8391209	•	•	83912097
 Grasping forceps "Babcock"	8390210	•		•	83902107
	double-action	8391210	•	•	83912107

The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath tube 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.

ERAGON^{stitch}

Needle holder ø 3.5 mm



Needle holder jaw insert		Sheath tube, ø 3.5 mm		Handle		Complete instrument • Jaw insert • Sheath tube • Handle	
							With on-off detent mechanism, single-action
		SL 240 mm	SL 330 mm	Axial	Angled		
ERAGON^{stitch}	Type	8390533	8391533	8393943	8393944	Order no.	
Needle holder jaw insert	8391505	•		•		83915053	
		•			•	83915054	
	8391506		•	•		83915063	
		straight		•		•	83915064



For manual and machine reprocessing:

Irrigation adapter,
 Ø 9 mm, length 64 mm
 for uninsulated sheath tubes 163503

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 5.0 mm, insulated			Handle			Complete instrument • Jaw insert • Sheath tube • Handle
	WL 260 mm	WL 330 mm	WL 450 mm				
Type	8392933	8393933	8394933	83930072	83930073	83930074	Type
Grasping and dissecting forceps "Maryland Dissector"  curved, with fine cross-cut toothing, double-action	8393.281	•				•	83932817
8394.281 curved, with fine cross-cut toothing, double-action			•			•	83942817
Grasping and dissecting forceps "Mixer"  angled, fine pyramid-shaped toothing, double-action	8393.283	•				•	83932837
Grasping and dissecting forceps  fenestrated, with fine cross-cut toothing, 21 mm long, single-action	8393.185	•				•	83931857

The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath tube 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 5.0 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 tothing, 26 mm long, single-action	8394.184			•			•	83941847
Grasping and dissecting forceps "Dolphin"								
	8393.285		•			•		83932857
angled, fine cross-cut tothing, with jaw throat, slimline, 17 mm long, double-action								
Grasping and dissecting forceps								
	8393.289		•				•	83932897
fine pyramid-shaped tothing, slimline, 23 mm, double-action								
Atraumatic grasping forceps								
	8393.292		•		•			83932925
jaw throat with wavy tooth edge, 26 mm, single-action	8394.292			•	•			83942925
Atraumatic grasping forceps								
	8393.293		•		•			83932935
jaw throat with wavy tooth edge, 26 mm, double-action	8394.293			•	•			83942935

The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath tube 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 5.0 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, 19 mm, double-action	8393.288		•				•	83932887
Atraumatic grasping forceps								
 fenestrated, with cross-cut toothings, double-action	8392.181	•					•	83921817
	8393.181		•				•	83931817
	8394.181			•			•	83941817
Atraumatic grasping forceps								
 smooth, double-action	8393.195		•			•		83931957
	8394.195			•		•		83941957
Grasping forceps "Babcock"								
 Grasping surface with fine cross-cut toothings, double-action	8393.186		•		•			83931867
Grasping forceps "Babcock"								
 large distal grip jaws with fine cross-cut toothings, double-action	8393.187		•		•			83931877
	8394.187			•	•			83941877

The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath tube 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 5.0 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
Grasping and dissecting forceps "Debakey"  atraumatic clip, double-action, jaw section length 39 mm	8393190		•		•			83931907
Grasping and dissecting forceps "Debakey"  atraumatic clip, double-action, jaw section length 48 mm	8393191		•		•			83931917
Grasping forceps  with row of teeth, double-action	8393.485		•				•	83934857
Grasping forceps  with one tooth, fine cross-cut toothing, slimline, double-action	8393.486		•				•	83934867
Grasping forceps  with two teeth, fine cross-cut toothing, single-action	8393.487		•				•	83934877

The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath tube 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 5.0 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 forceps 	8393.490		•		•			83934907
	with two teeth, wavy grasping surface, double-action	8394.490			•	•		83944907
Dissecting forceps "Petelin" 	8393.282		•				•	83932827
30° left angled, with cross-cut tothing, single-action								
Plate-shaped grasping forceps 	8393.182		•				•	83931827
fenestrated with fine cross-cut tothing, double-action								
Grasping and dissecting forceps 	8393.183		•			•		83931837
fine cross-cut tothing, double-action								
Grasping and coagulating forceps 	8393.287		•			•		83932877
distal cross-cut tothing with jaw throat, double-action								

The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath tube 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 5.0 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, 29 mm, single-action	8393.488		•		•			83934887
Universal grasping forceps								
 pyramid-shaped toothing and cross-cut toothing, 18 mm, double-action	8393.481		•				•	83934817
Universal holding forceps								
 Pyramid-shaped toothing and cross-cut toothing, 26 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 tube 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 5.0 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
 with pins, double-action	8393.091		•			•		83930917
	8394.091			•		•		83940917
 severing, single-action	8393.092		•			•		83930927
	8394.092			•		•		83940927
 pointed spoon forceps, single-action	8393.093		•			•		83930937
 with distal recess, double-action	8393345		•		•			83933457

The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath tube 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 5.0 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
Grasping and extraction forceps  8393.188 triangular, fenestrated, with finecross-cut toothing, double-action, with spring jaws			•		•			83931887
Grasping and dissecting forceps  8393.189 fine cross-cut toothing, fenestrated, double-action, with spring jaws			•		•			83931897
8394.189 fine cross-cut toothing, fenestrated, double-action, with spring jaws				•	•			83941897
Grasping and dissecting forceps  8393.291 Atraumatic clip "Debaquey", longitudinal grooves with fine cross-cut toothing, double-action, with spring jaws			•		•			83932917

The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath tube 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 5.0 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
	8393.041		•			•		83930417
	8394.041 curved, double-action			•		•		83940417
	8393.044		•			•		83930447
	8393.044 curved, double-action							
	8393.045		•			•		83930457
	8393.045 slimline, straight, double-action							
	8393.081		•			•		83930817
	8394.081 serrated, single-action			•		•		83940817

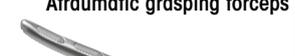
The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath tube and handle versions. However, any combination is possible within the same diameter. The **ERAGONaxial** handle can also be selected as an addition, or an alternative.

ø 5.0 mm, insulated

Jaw insert		Sheath tube, ø 5.0 mm, insulated		Handle		Complete instrument • Jaw insert • Sheath tube • Handle
						
		WL 330 mm	WLa 450 mm	with lock, without HF	with lock, with HF, mono	
	Type	8393933	8394933	83930072	83930074	Type
Grasping and dissecting forceps						
	8393192	•			•	83931927
right-angled, double-action	8394192		•		•	83941927
Grasping and dissecting forceps						
	8393193	•		•		83931937
jaw length 16 mm, double-action	8394193		•	•		83941937
Grasping and dissecting forceps						
	8393194	•			•	83931947
long, jaw length 24 mm, double-action	8394194		•		•	83941947
Grasping and dissecting forceps						
	8393197	•			•	83931977
long, jaw length 30 mm, double-action	8394197		•		•	83941977
Grasping forceps						
	8393198	•			•	83931987
curved, fine tip, double-action	8394198		•		•	83941987
Grasping and dissecting forceps						
	8393199	•			•	83931997
long, fine tip, double-action	8394199		•		•	83941997

The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath tube 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 5.0 mm, insulated		Handle		Complete instrument • Jaw insert • Sheath tube • Handle
						
		WL 330 mm	WL 450 mm	with lock, without HF	with lock, with HF, mono	
	Type	8393933	8394933	83930072	83930074	Type
Grasping and dissecting forceps						
	8393200	•			•	83932007
short, fine tip, double-action	8394200		•		•	83942007
Grasping and dissecting forceps						
	8393210	•			•	83932107
atraumatic, fine cross toothing, double-action						
Grasping and dissecting forceps						
	8393220	•			•	83932207
atraumatic, double-action	8394220		•		•	83942207
Grasping forceps						
	8393223	•		•		83932237
atraumatic, fine cross toothing, double-action	8394223		•	•		83942237
Grasping forceps						
	8393250	•		•		83932507
atraumatic, fenestrated, fine cross toothing, double-action	8394250		•	•		83942507
Atraumatic grasping forceps						
	8393229	•		•		83932297
with double window, curved, single-action	8394229		•	•		83942297

The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath tube 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 5.0 mm, insulated		Handle		Complete instrument • Jaw insert • Sheath tube • Handle
						
		WL 330 mm	WL 450 mm	with lock, without HF	with lock, with HF, mono	
	Type	8393933	8394933	83930072	83930074	Type
 Grasping and dissecting forceps	8393230	•		•		83932307
	short rounded jaws, double-action	8394230	•	•		83942307
 Grasping and dissecting forceps	8393240	•			•	83932407
	curved, double-action	8394240	•		•	83942407
 Grasping forceps "Babcock"	8393242	•		•		83932427
	fenestrated, single-action	8394242	•	•		83942427
 Atraumatic intestinal grasping forceps	8393249	•		•		83932497
	single fenestration, double-action	8394249	•	•		83942497
 Grasping forceps "Debakey"	8393256	•			•	83932567
	curved, jaw length 35 mm, double-action	8393258	•		•	83932587
 Grasping forceps "Debakey"	8393258	•			•	83932587
	double-action, jaw length 47 mm	8394258	•		•	83942587

The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath tube 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 5.0 mm, insulated		Handle		Complete instrument • Jaw insert • Sheath tube • Handle
						
		WL 330 mm	WL 450 mm	with lock, without HF	without lock, with HF, mono	
	Type	8393933	8394933	83930072	83930073	Type
 Scissors "Metzenbaum"	8393243	•			•	83932437
	curved, double-action 8394243		•		•	83942437
 Scissors	8393246	•			•	83932467
	fine-toothed, curved, double-action 8394246		•		•	83942467
 Scissors	8393248	•			•	83932487
	fine-toothed, fine tip, double-action 8394248		•		•	83942487
 Extracorporeal knot pusher	8393.345	•		•		83933457
	with distal fork, double-action 8394345		•	•		83943457
 Gastric band manipulator	8393253	•		•		83932537
	8394253		•	•		83942537

The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath tube 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.

Sheath tube, ø 5.0 mm, insulated			
			
	Type	WL 330 mm	WL 450 mm
 ERAGONmodular sheath tube	8393932	•	
with distal cm scale	8394932		•

Needle holder Ø 5.0 mm

Needle holder jaw insert		Sheath tube, Ø 5.0 mm		Handle		Complete instrument • Jaw insert • Sheath tube • Handle				
										
								SL 330 mm	SL 450 mm	With on-off detent mechanism, single-action
									Axial	Angled
ERAGON ^{stitch}	Type	8393533	8394533	8393943	8393944	Order no.				
Needle holder jaw insert straight 	8393507	•		•		83935073				
		•			•	83935074				
	8394507		•	•		83945073				
			•		•	83945074				
Needle holder jaw insert straight, narrow 	8393508	•		•		83935083				
		•			•	83935084				
	8394508		•	•		83945083				
			•		•	83945084				
Needle holder jaw insert straight, with self-righting function 	8393509	•		•		83935093				
		•			•	83935094				
	8394509		•	•		83945093				
			•		•	83945094				

∅ 5.0 mm

Needle holder jaw insert		Sheath tube, ∅ 5.0 mm		Handle		Complete instrument • Jaw insert • Sheath tube • Handle				
										
								SL 330 mm	SL 450 mm	With on-off detent mechanism, single-action
									Axial	Angled
ERAGON_{stitch}	Type	8393533	8394533	8393943	8393944	Order no.				
Needle holder jaw insert curved right 	8393518	•		•		83935183				
		•			•	83935184				
	8394518		•	•			83945183			
			•			•	83945184			
Needle holder jaw insert curved left 	8393519	•		•		83935193				
		•			•	83935194				
	8394519		•	•			83945193			
			•			•	83945194			



For manual and machine reprocessing:

Irrigation adapter,
 ∅ 9 mm, length 64 mm
 for uninsulated sheath tubes 163503

ERAGON *modu* blades

ø 5.0 mm, insulated

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

Scissor blades	Pull rod			Sheath tube, ø 5.0 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 5,0 mm

Jaw insert		Sheath tube, ø 5.5 mm		Handle	Complete instrument • Jaw insert • Sheath tube • Handle
		WL 330 mm	WL 460 mm	rotatable 	
	Type	83930921	82340024	839300102	Type
	Grasping and dissecting forceps 83930031	•		•	839300312
	839400310		•	•	839400312
	Grasping and dissecting forceps 83930032	•		•	839300322
	"Maryland Dissector" 839400320		•	•	839400322
	Grasping and dissecting forceps 83930033	•		•	839300332
	"Dolphin" 839400330		•	•	839400332
	Grasping forceps 83930034	•		•	839300342
	fenestrated 839400340		•	•	839400342
	Dissecting forceps 83930035	•		•	839300352
	"Hasskamp" 839400350		•	•	839400352
	Grasping and dissecting forceps 83930037	•		•	839300372
	"Münster" 839400370		•	•	839400372
	Grasping and dissecting forceps 83930038	•		•	839300382
	"Maryland", short 839400380		•	•	839400382
	Metzenbaum scissors 83930041	•		•	839300412
	839400410		•	•	839400412

ERAGON^{modular}

∅ 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 tube, ∅ 10.0 mm, uninsulated		Handle	Complete instrument • Jaw insert • Sheath tube • Handle	
	WL 330 mm	WL 450 mm			
	Type	8395902	8396902	83930072	Type
Grasping and dissecting forceps "Maryland"	8395.225	•			83952257
	8396225		•		83962257
double-action					
Dissecting forceps	8395.226	•			83952268
	8396226		•		83962267
right-angled, double-action					
Grasping forceps with pike mouth	8395.236	•			83952368
	8396236		•		83962367
double-action					

The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath tube 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.

∅ 10.0 mm, uninsulated

Jaw insert		Sheath tube, ∅ 10.0 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					
	8395.489	•		•	83954897
double-action					
Claw grasping forceps					
	8395490	•		•	83954907
with additional row of teeth, double-action					
Atraumatic grasping forceps "Babcock"					
	8395.187	•		•	83951877
large distal grasping surface with fine cross-cut toothing, double-action	8396187		•	•	83961877
Atraumatic grasping forceps "Babcock"					
	8395.214	•		•	83952148
double-action	8396215		•	•	83962157
Grasping forceps					
	8395.204	•		•	83952048
2/3 claw-shaped	8396204		•	•	83962047

The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath tube 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.

∅ 10.0 mm, uninsulated

Jaw insert		Sheath tube, ∅ 10.0 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
	double-action 8396234		•	•	83962347
	Spoon forceps 8395.244	•		•	83952448

The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath tube 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.

∅ 10.0 mm, uninsulated

Jaw insert		Sheath tube, ∅ 10.0 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
 90° articuable, atraumatic dissector, branch with distal slot and hook	8397.654	•	•		83976547
 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 tube 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.

