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spirit of excellence

# 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.

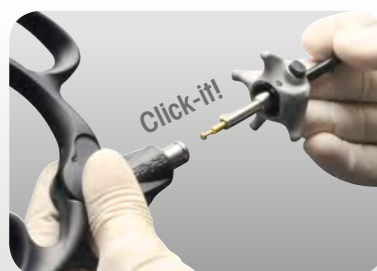
The interior joint mechanism provides additional patient safety. The joint of the jaw insert is covered by the distal end of the sheath tube. This excludes the possibility of unwanted injuries caused by inadvertently pinching any tissue.

### 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.



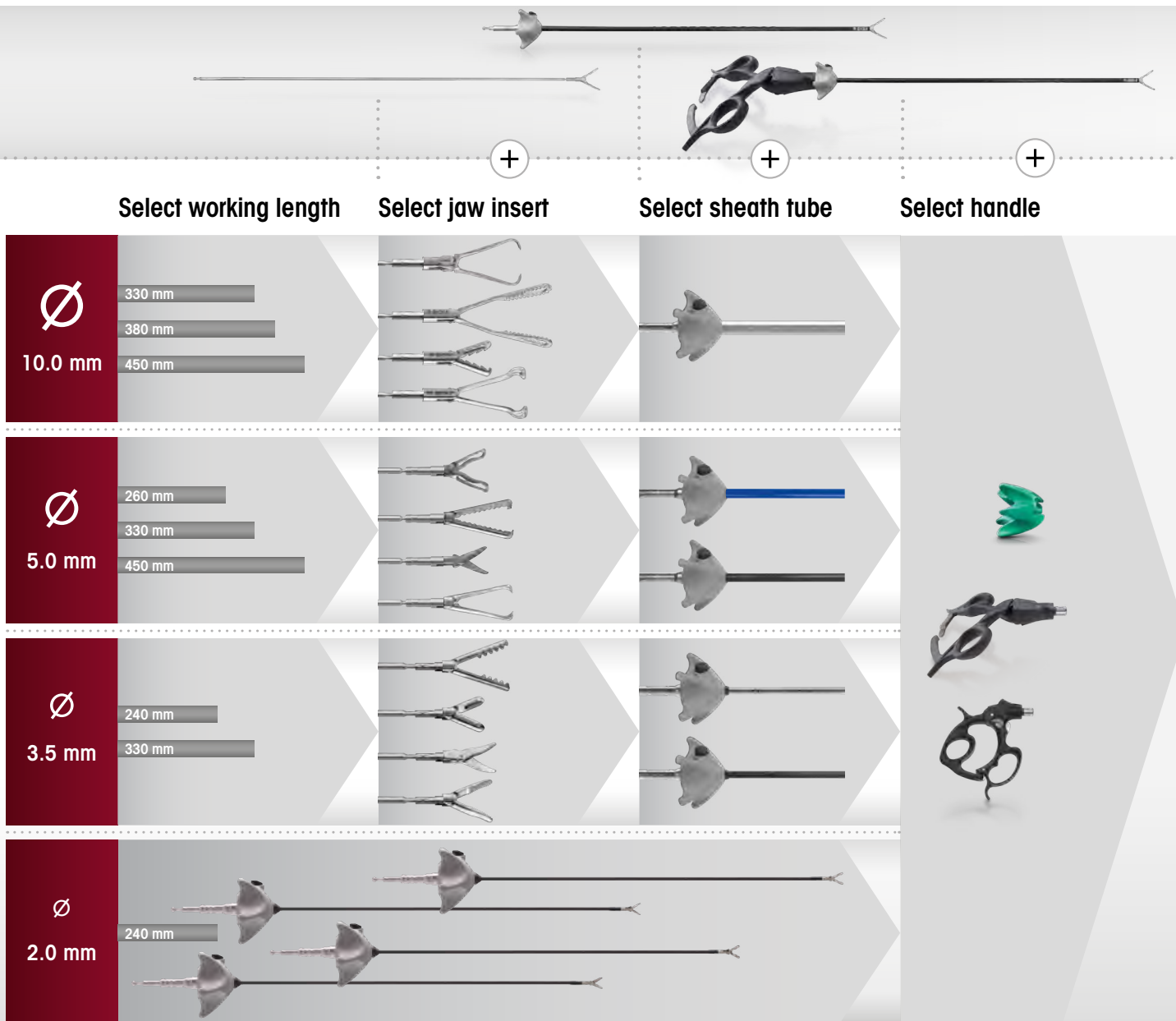
### Overview of ERAGONmodular

- 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

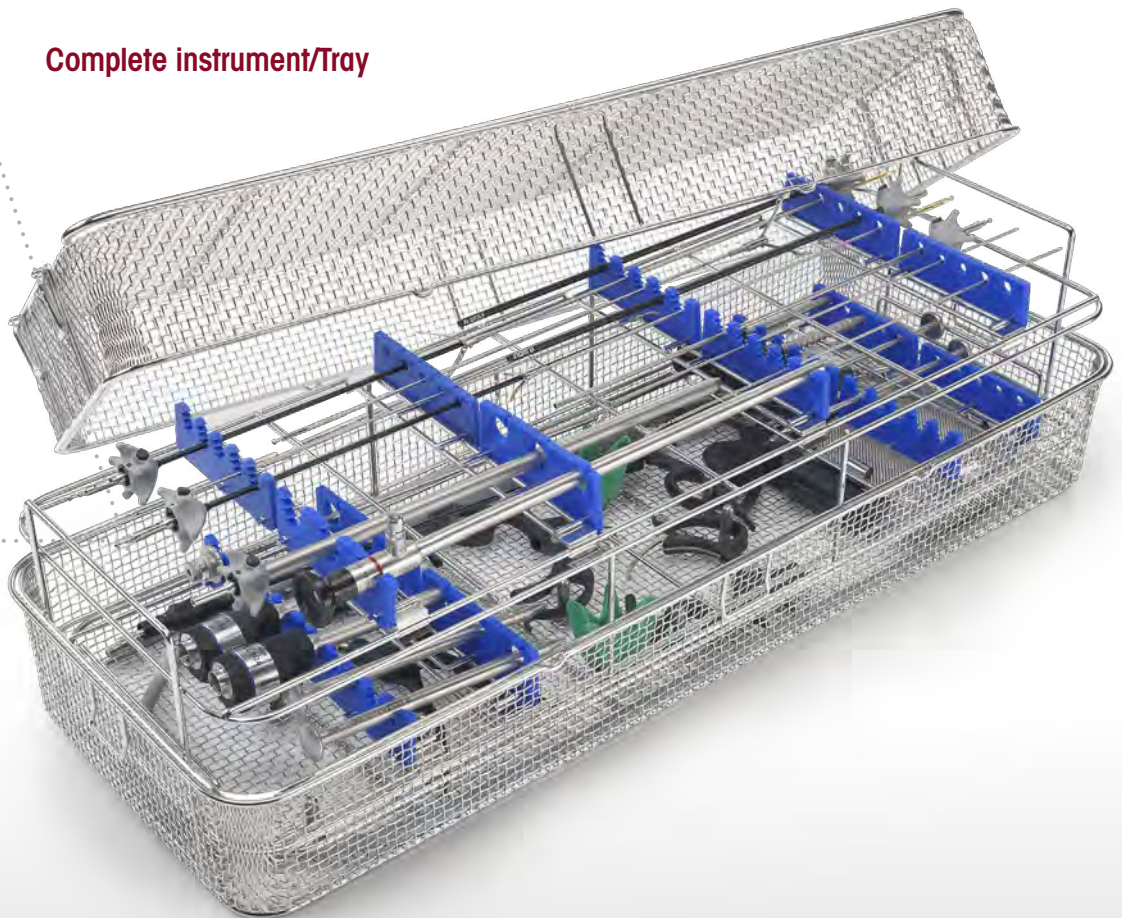
### The toolbox principle

ERAGON<sup>modular</sup> 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.





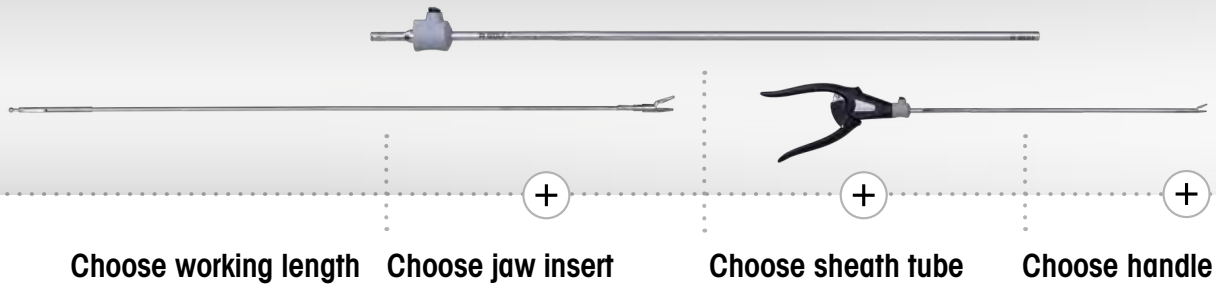
**Complete instrument/Tray**



# ERAGON<sup>stitch</sup>

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.







Needle Diameter (Ø)	Working Length Options	Jaw Insert Options	Sheath Tube Options	Handle Options
5.0 mm	330 mm 450 mm	5 different jaw insert designs	1 sheath tube design	1 handle design
3.5 mm	240 mm 330 mm	1 jaw insert design	1 sheath tube design	1 handle design





**Needle holder ERAGONstitch**



# ERAGON *modular* *micro*

∅ 2.0 mm, insulated







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

Jaw insert	Sheath tube, ∅ 2.0 mm, insulated	Handle	Complete instrument
			• Jaw insert • Sheath tube • Handle
		WL 240 mm	without lock, with HF, mono
	Type	83930073	Type
<b>Scissors</b>  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.



∅ 2.0 mm, insulated

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















For manual and machine reprocessing:

**Irrigation adapter,**  
∅ 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.











∅ 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, ∅ 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
<b>Grasping and dissecting forceps</b>	8390207	•			•	83902077
 curved left, double-action	8391207		•		•	83912077
<b>Grasping and dissecting forceps</b>	8390221	•			•	83902217
 long, fine tip, double-action	8391221		•		•	83912217
<b>Grasping and dissecting forceps</b>	8390222	•			•	83902227
 short, fine tip, double-action	8391222		•		•	83912227
<b>Grasping and dissecting forceps</b>	8390223	•			•	83902237
 curved, double-action	8391223		•		•	83912237

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, insulated








Jaw insert		Sheath tube, ∅ 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
 Scissors "Metzenbaum"	8390215	•		•			83902157
	8391215		•	•			83912157
double-action							
 Scissors "Metzenbaum"	8390224	•		•			83902247
	8391224		•	•			83912247
fine serrated, curved, double-action							
 Hook scissors	8390227	•		•			83902277
	8391227		•	•			83912277
single-action							
 Double-spoon forceps by Hürtgen	8390216	•			•		83902167
	8391216		•		•		83912167
 Punch by Friedel	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.


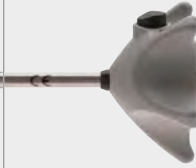





∅ 3.5 mm, uninsulated

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

Jaw insert	Sheath tube, ∅ 3.5 mm, uninsulated		Handle	Complete instrument	
				<ul style="list-style-type: none"> <li>• Jaw insert</li> <li>• Sheath tube</li> <li>• Handle</li> </ul>	
		WL 240 mm	WL 330 mm	with lock, without HF	
	Type	8390934	8391934	83930072	Type
 <p>Grasping and dissecting forceps</p>	8390219	•		•	83902197
	8391219		•	•	83912197
 <p>Grasping and dissecting forceps</p> <p>2x4 teeth, double-action</p>	8390220	•		•	83902207
	8391220		•	•	83912207
 <p>Atraumatic grasping forceps</p>	8390208	•		•	83902087
	8391208		•	•	83912087
 <p>Atraumatic grasping forceps</p>	8390218	•		•	83902187
	8391218		•	•	83912187
fenestrated, single-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.

∅ 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<sup>stitch</sup>

Needle holder ø 3.5 mm



Needle holder jaw insert		Sheath tube, ø 3.5 mm		Handle		Complete instrument • Jaw insert • Sheath tube • Handle	
							
				Axial	Angled		
<b>ERAGON<sup>stitch</sup></b>	Type	8390533	8391533	8393943	8393944	Order no.	
Needle holder jaw insert	8391505	•		•		83915053	
		•			•	83915054	
straight	8391506		•	•		83915063	
			•		•	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	with lock, without HF	without lock, with HF, mono	with lock, with HF, mono	
Type	8392933	8393933	8394933	83930072	83930073	83930074	Type
<b>Grasping and dissecting forceps "Maryland Dissector"</b>  curved, with fine cross-cut toothing, double-action	8393.281	•				•	83932817
curved, with fine cross-cut toothing, double-action	8394.281		•			•	83942817
<b>Grasping and dissecting forceps "Mixer"</b>  angled, fine pyramid-shaped toothing, double-action	8393.283	•				•	83932837
<b>Grasping and dissecting forceps</b>  fenestrated, with fine cross-cut toothing, 15 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
<b>Grasping and dissecting forceps</b>								
	8393.184		•				•	83931847
fenestrated, with fine cross-cut toothings, 20 mm long, single-action	8394.184			•			•	83941847
<b>Grasping and dissecting forceps "Dolphin"</b>								
	8393.285		•			•		83932857
angled, fine cross-cut toothings, with jaw throat, slimline, 15 mm long, double-action								
<b>Grasping and dissecting forceps</b>								
	8393.289		•				•	83932897
fine pyramid-shaped toothings, slimline, 18 mm, double-action								
<b>Atraumatic grasping forceps</b>								
	8393.292		•		•			83932925
jaw throat with wavy tooth edge, 20 mm, single-action	8394.292			•	•			83942925
<b>Atraumatic grasping forceps</b>								
	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 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.









∅ 5.0 mm, insulated

Jaw insert		Sheath tube, ∅ 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
<b>Grasping and dissecting forceps</b>								
	8393.288 fine pyramid-shaped toothings, slimline, 14 mm, double-action		•				•	83932887
<b>Atraumatic grasping forceps</b>								
	8392.181	•					•	83921817
	8393.181		•				•	83931817
	8394.181 fenestrated, with cross-cut toothings, double-action			•			•	83941817
<b>Atraumatic grasping forceps</b>								
	8393.195		•			•		83931957
	8394.195 smooth, double-action			•		•		83941957
<b>Grasping forceps "Babcock"</b>								
	8393.186 Grasping surface with fine cross-cut toothings, double-action		•		•			83931867
	8393.187		•		•			83931877
	8394.187 large distal grip jaws with fine cross-cut toothings, double-action			•	•			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.

∅ 5.0 mm, insulated

Jaw insert		Sheath tube, ∅ 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
 <b>Grasping and dissecting forceps "Debakey"</b> atraumatic clip, double-action, jaw section length 30 mm	8393190		•		•			83931907
 <b>Grasping and dissecting forceps "Debakey"</b> atraumatic clip, double-action, jaw section length 40 mm	8393191		•		•			83931917
 <b>Grasping forceps</b> with row of teeth, double-action	8393.485		•				•	83934857
 <b>Grasping forceps</b> with one tooth, fine cross-cut toothing, slimline, double-action	8393.486		•				•	83934867
 <b>Grasping forceps</b> 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.

∅ 5.0 mm, insulated

Jaw insert		Sheath tube, ∅ 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
 <b>Grasping forceps</b> 8393.490 with two teeth, wavy grasping surface, double-action			•		•			83934907
				•	•			83944907
 <b>Dissecting forceps "Petelin"</b> 8393.282 30° left angled, with cross-cut toothing, single-action			•				•	83932827
 <b>Plate-shaped grasping forceps</b> 8393.182 fenestrated with fine cross-cut toothing, double-action			•				•	83931827
 <b>Grasping and dissecting forceps</b> 8393.183 fine cross-cut toothing, double-action			•			•		83931837
 <b>Grasping and coagulating forceps</b> 8393.287 distal cross-cut toothing with jaw throat, double-action			•			•		83932877








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
 double-action	8393.494		•		•			83934945
 Myoma grasping forceps, 2x3-claw, 30 mm, single-action	8393.488		•		•			83934887
 pyramid-shaped toothing and cross-cut toothing, 15 mm, double-action	8393.481		•				•	83934817
 Pyramid-shaped toothing and cross-cut toothing, 25 mm, double-action	8393.482		•		•			83934827
 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.

∅ 5.0 mm, insulated

Jaw insert		Sheath tube, ∅ 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.

∅ 5.0 mm, insulated

Jaw insert		Sheath tube, ∅ 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	
<b>Grasping and extraction forceps</b>  triangular, fenestrated, with finecross-cut tothing, double-action, with spring jaws		8393.188	•		•				83931887
<b>Grasping and dissecting forceps</b>  fine cross-cut tothing, fenestrated, double-action, with spring jaws		8393.189	•		•			83931897	
		8394.189		•	•			83941897	
<b>Grasping and dissecting forceps</b>  Atraumatic clip "Debakey", longitudinal grooves with fine cross-cut tothing, 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 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.

∅ 5.0 mm, insulated

Jaw insert		Sheath tube, ∅ 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
 <b>Scissors "Metzenbaum"</b> 8393.041			•			•		83930417
	curved, double-action			•		•		83940417
 <b>Micro-scissors "Metzenbaum"</b> 8393.044			•			•		83930447
	curved, double-action							
 <b>Scissors</b> 8393.045			•			•		83930457
	slimline, straight, double-action							
 <b>Hook scissors</b> 8393.081			•			•		83930817
	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.









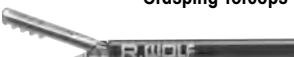

∅ 5.0 mm, insulated

Jaw insert		Sheath tube, ∅ 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
<b>Grasping and dissecting forceps</b>						
	8393192	•			•	83931927
right-angled, double-action	8394192		•		•	83941927
<b>Grasping and dissecting forceps</b>						
	8393193	•		•		83931937
jaw length 13 mm, double-action	8394193		•	•		83941937
<b>Grasping and dissecting forceps</b>						
	8393194	•			•	83931947
long, jaw length 22 mm, double-action	8394194		•		•	83941947
<b>Grasping and dissecting forceps</b>						
	8393197	•			•	83931977
long, jaw length 28 mm, double-action	8394197		•		•	83941977
<b>Grasping forceps</b>						
	8393198	•			•	83931987
curved, fine tip, double-action	8394198		•		•	83941987
<b>Grasping and dissecting forceps</b>						
	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.













∅ 5.0 mm, insulated

Jaw insert		Sheath tube, ∅ 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
<b>Grasping and dissecting forceps</b>						
	8393200	•			•	83932007
short, fine tip, double-action	8394200		•		•	83942007
<b>Grasping and dissecting forceps</b>						
	8393210	•			•	83932107
atraumatic, fine cross toothing, double-action						
<b>Grasping and dissecting forceps</b>						
	8393220	•			•	83932207
atraumatic, double-action	8394220		•		•	83942207
<b>Grasping forceps</b>						
	8393223	•		•		83932237
atraumatic, fine cross toothing, double-action	8394223		•	•		83942237
<b>Grasping forceps</b>						
	8393250	•		•		83932507
atraumatic, fenestrated, fine cross toothing, double-action	8394250		•	•		83942507
<b>Atraumatic grasping forceps</b>						
	8393229	•		•		83932297
with double window, curved, single-action	8394229		•	•		83942297


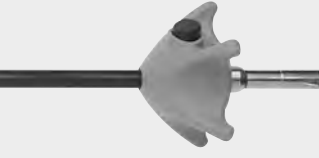






The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath tube and handle versions. However, any combination is possible within the same diameter. The **ERAGONaxial** handle can also be selected as an addition, or an alternative.

∅ 5.0 mm, insulated



Jaw insert		Sheath tube, ∅ 5.0 mm, insulated		Handle		Complete instrument • Jaw insert • Sheath tube • Handle
						
	Type	WL 330 mm	WL 450 mm	with lock, without HF	with lock, with HF, mono	Type
<b>Grasping and dissecting forceps</b>						
 8393230		•		•		83932307
short rounded jaws, double-action	8394230		•	•		83942307
<b>Grasping and dissecting forceps</b>						
 8393240		•			•	83932407
curved, double-action	8394240		•		•	83942407
<b>Grasping forceps "Babcock"</b>						
 8393242		•		•		83932427
fenestrated, single-action	8394242		•	•		83942427
<b>Atraumatic intestinal grasping forceps</b>						
 8393249		•		•		83932497
single fenestration, double-action	8394249		•	•		83942497
<b>Grasping forceps "Debakey"</b>						
 8393256		•			•	83932567
curved, jaw length 28 mm, double-action						
<b>Grasping forceps "Debakey"</b>						
 8393258		•			•	83932587
double-action, jaw length 40 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
<b>Scissors "Metzenbaum"</b> 	8393243	•			•	83932437
	curved, double-action 8394243		•		•	83942437
<b>Scissors</b> 	8393246	•			•	83932467
	fine-toothed, curved, double-action 8394246		•		•	83942467
<b>Scissors</b> 	8393248	•			•	83932487
	fine-toothed, fine tip, double-action 8394248		•		•	83942487
<b>Extracorporeal knot pusher</b> 	8393.345	•		•		83933457
	with distal fork, double-action 8394345		•	•		83943457
<b>Gastric band manipulator</b> 	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
<b>ERAGONmodular sheath tube</b> 	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 <sup>stitch</sup>	Type	8393533	8394533	8393943	8393944	Order no.				
<b>Needle holder jaw insert straight</b> 	8393507	•		•		83935073				
		•			•	83935074				
	8394507		•	•		83945073				
			•		•	83945074				
<b>Needle holder jaw insert straight, narrow</b> 	8393508	•		•		83935083				
		•			•	83935084				
	8394508		•	•		83945083				
			•		•	83945084				
<b>Needle holder jaw insert straight, with self-righting function</b> 	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	Axial	
ERAGON <sub>stitch</sub>	Type	8393533	8394533	8393943	8393944	Order no.	
<b>Needle holder jaw insert curved right</b> 	8393518	•		•		83935183	
		•			•	83935184	
	8394518		•	•		83945183	
		•			•	83945184	
<b>Needle holder jaw insert curved left</b> 	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
<b>Knob attachment</b>	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











		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	 with lock, without HF		
	Type	8395902	8396902	83930072	Type
<b>Grasping and dissecting forceps "Maryland"</b>  double-action	8395.225	•		•	83952257
	8396225		•	•	83962257
<b>Dissecting forceps</b>  right-angled, double-action	8395.226	•		•	83952268
	8396226		•	•	83962267
<b>Grasping forceps with pike mouth</b>  double-action	8395.236	•		•	83952368
	8396236		•	•	83962367

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
<b>Claw grasping forceps</b>					
	8395.489	•		•	83954897
double-action					
<b>Claw grasping forceps</b>					
	8395490	•		•	83954907
with additional row of teeth, double-action					
<b>Atraumatic grasping forceps "Babcock"</b>					
	8395.187	•		•	83951877
large distal grasping surface with fine cross-cut toothing, double-action	8396187		•	•	83961877
<b>Atraumatic grasping forceps "Babcock"</b>					
	8395.214	•		•	83952148
double-action	8396215		•	•	83962157
<b>Grasping forceps</b>					
	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
	8397.654	•	•		83976547
90° articlable, atraumatic dissector, branch with distal slot and hook					
	8397.655	•		•	83976558
30° angled, 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.





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