



DUOMED

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spirit of excellence

Wide range in small dimensions



ERAGON modular
mini

The complete solution for Minilaparoscopy

ERAGON *modular* *mini*

The complete solution for Minilaparoscopy

The use of 3.5 mm instruments and appropriate trocars leaves behind only very small scars that are hardly visible. Furthermore, this approach keeps the trauma of the operation to a minimum as a result by comparison with the use of 5 mm or even 10 mm ports. This can exert a positive effect on the length of a patient's stay in hospital. Today, it is also assumed that there is less potential for pain in patients.

Perspectives of minilaparoscopy

A key advantage of minilaparoscopy is that surgeons can retain their usual surgical technique. They simply carry this out using instruments with a smaller diameter. Long learning curves with new, complex surgical techniques like NOTES or Single Port are therefore eliminated.

Small. Strong. Modular.

The new 3.5 mm instruments **ERAGONmodular mini** are the core of the minilaparoscopy package from Richard Wolf. The new generation of three-part, modular instruments is based on our successful **ERAGONmodular** Instrument System and meets the highest standards.

Make use of **ERAGONmodular mini** now for your minilaparoscopic interventions and benefit from a highly developed surgical concept.

The new instrument generation becomes a complete system with complementary modules tailored to minilaparoscopy which is reliable in every respect.





ERAGONmodular mini unites precision, safety, ergonomic design and intuitive handling in a perfect combination. This is ensured by the high-grade processing and material quality for all components and the well-designed functional elements. The result is instruments that convince and inspire.

click! and go: The proven click-it system permits fast assembly, disassembly and combination.

Three parts – one system: Complete freedom in putting together instruments.

Simply hygienic: The three-part structure also guarantees fast and safe reprocessing.

Sustainably safe: Halar® – bonded sheath coating for maximum service life, safety and hygiene. No risk of tissue being inadvertently trapped in the projecting joint mechanism protected by the sheath at the distal end.

Extremely stable: version with uninsulated, particularly stable sheath for grasping forceps where a high level of stability is required.

Equal to any challenge: big range of jaw inserts – the right insert for each requirement.

Universally combinable: Compatible with all **ERAGONmodular** sheaths and handles including **ERAGONaxial**.

The complete system for your success

Richard Wolf supplies everything you require for efficient, minilaparoscopic work to complement the high-quality, new instrument generation. The product range includes telescopes, trocars and bipolar forceps or monopolar hooks.

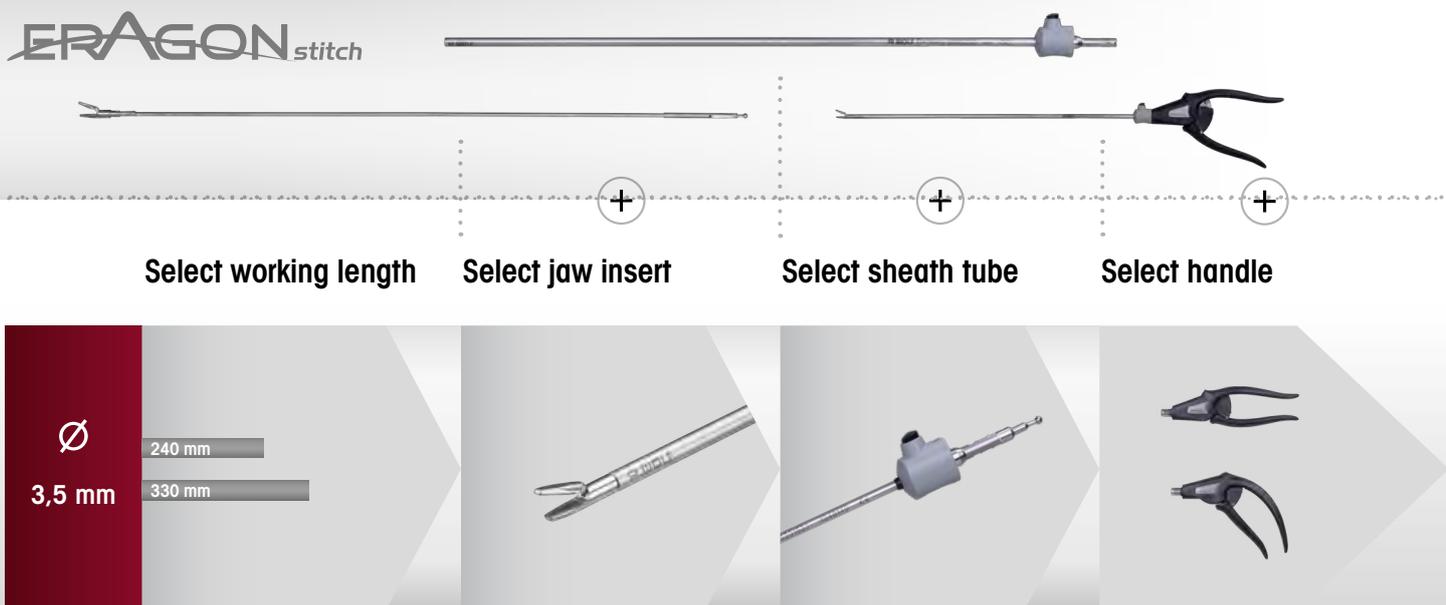
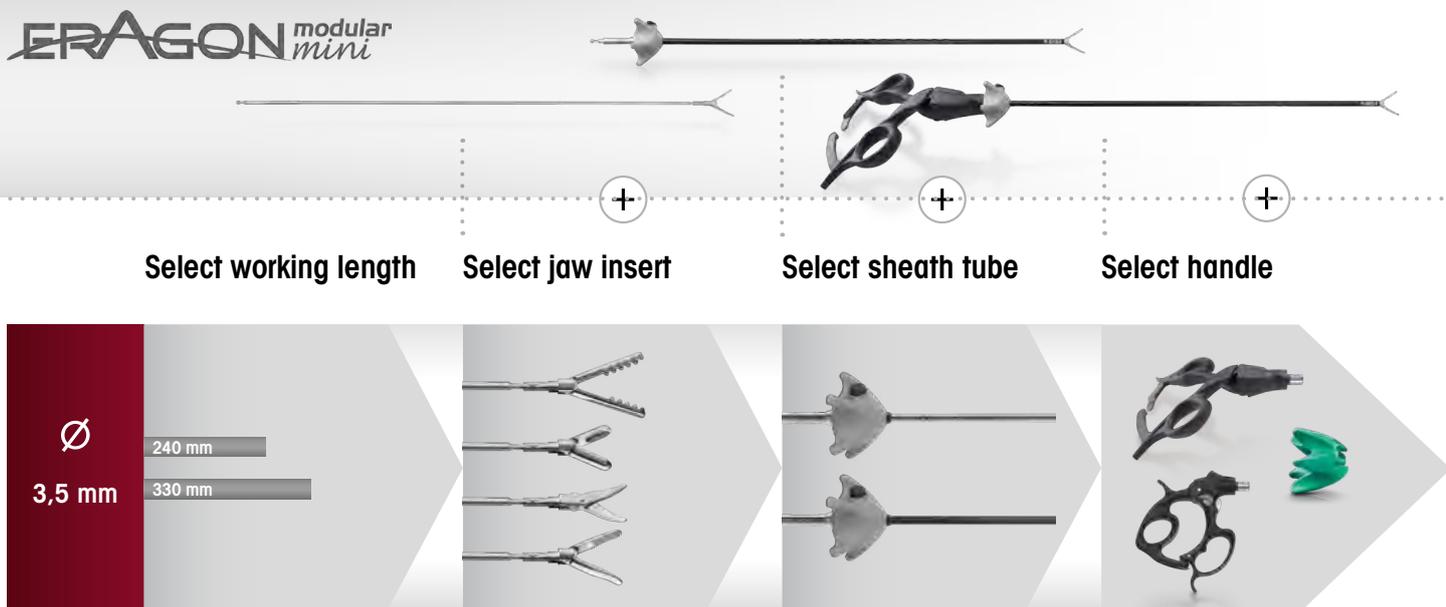
Put together your individual minilaparoscopy sieve from Richard Wolf based on the building-block principle.

ERAGON modular

The route to an individual laparoscopic tray

The toolbox principle

ERAGONmodular 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



Needle holder ERAGONstitch



Grasping and dissecting instruments, scissors, punches with insulated sheath

		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, \varnothing 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.

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
	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

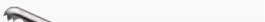
The complete instruments in the table are only recommendations. They are comprised of the components: jaw insert, sheath and handle versions. However, any combination is possible within the same diameter. The **ERAGONaxial** handle can also be selected as an addition, or an alternative.

Grasping and dissecting forceps with uninsulated sheath

		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, 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	83930072	Type
Grasping and dissecting forceps	8390219	•		•	83902197
 double-action	8391219		•	•	83912197
Grasping and dissecting forceps	8390220	•		•	83902207
 2x4 teeth, double-action	8391220		•	•	83912207
Atraumatic grasping forceps	8390208	•		•	83902087
 fenestrated, double-action	8391208		•	•	83912087
Atraumatic grasping forceps	8390218	•		•	83902187
 fenestrated, single-action	8391218		•	•	83912187

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.

Jaw insert		Sheath, ø 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 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}

Ergonomic 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
straight	8391506		•	•		83915063
			•		•	83915064



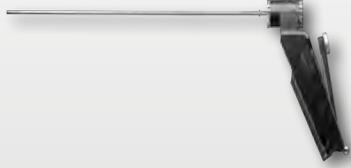
For manual and machine reprocessing:

Irrigation adapter,

Ø 9 mm, length 64 mm

for uninsulated sheath tubes 163503

Modules for the complete set

Telescope		Exchangeable adapter	
	PANOVIEW PLUS Telescope Ø 3.5 mm, WL 300 mm, 30° 8930.422		Connector reusable, endoscope telescope/lens ENDOCAM.....8580.91
	PANOVIEW PLUS Telescope Ø 3.5 mm, WL 300 mm, 0° 8930.421		
Trocar sheaths		associated trocars	
	RIWO-ART trocar sheath , with magnet ball valve, plastic tube with thread, distal straight, inside diameter 3.5 mm, WL 100 mm 8903.034		Trocar , tapered blunt, WL 100 mm 8903.103
	RIWO-ART trocar sheath , with magnet ball valve, metal tube, smooth, distal straight, inside diameter 3.5 mm, WL 100 mm 8903.014		Trocar , pyramid-shaped, WL 100 mm 8903.123
	RIWO-ART trocar sheath , with magnet ball valve, plastic tube with thread, distal straight, inside diameter 3.5 mm, WL 60 mm 8903.072		Trocar , tapered blunt, WL 60 mm 8903.101
			Trocar , pyramid-shaped, WL 60 mm 8903.121
	Plastic trocar sheath , sheath with distal screw anchor, Ø 3.5 mm, WL 40 mm 8929.223		Trocar , spherical, WL 40 mm 8929.2215
Hook electrode			
		Hook electrode , monopolar, Ø 3.5 mm, WL 310 mm 8379.452	
Suction irrigation tube and accessories			
		Suction irrigation tube , Ø 3.5 mm, WL 310 mm 8391.911 Irrigation attachment , with two-way stopcock 8383.819 Suction irrigation handle 8385.901 Locking cap 8385.902	
Bipolar forceps			
		Bipolar forceps Ø 3.5 mm, WL 340 mm 8391.742	
Probe rod			
		Probe rod Ø 3.5 mm, calibrated, WL 310 mm 8379.672	



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Specifications subject to change without notice

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