

PAJUNK®

ErgoSys
Ergonomics to perfection



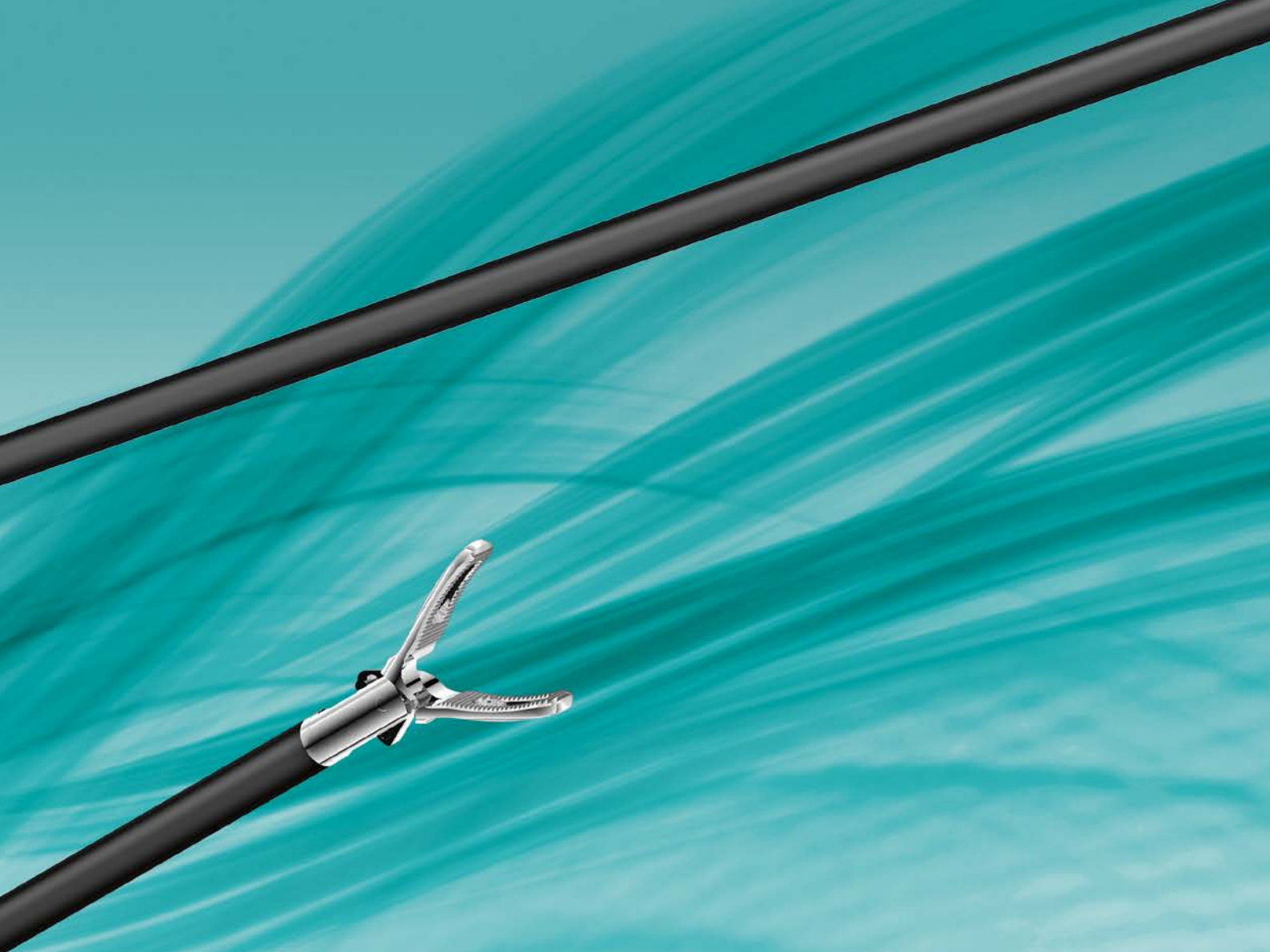
Laparoscopic instruments

MADE IN GERMANY

ErgoSys

Ergonomic, economic and precise





The modern handle system for maximum precision

PAJUNK® ErgoSys sets new standards in laparoscopy in terms of precision, ergonomics and cost-effectiveness. The basis is a new handle that meets the highest ergonomic requirements with its modern design and rounded edges. It is distinctly smooth and easy to operate and so meets the essential prerequisites for fatigue-free work.

Its innovative stepless lock is unique and enables precise tissue-conserving work. This means an increase in safety for the patient and user. The optional application of disposable and reusable instrument inserts make the modular instrument system particularly economical.

Free moving or with lock

The handle system with many options

The new PAJUNK® handle instrument system is equipped for all the requirements and techniques of laparoscopy with a modular system consisting of two handle models, various guide tubes and instrument inserts in disposable and reusable designs.



ErgoFlex

The handle without lock can be combined with disposable and reusable instrument inserts.



ErgoFlex

Disposable instrument inserts MonoTip



Insulated shaft tube, Ø 5 mm and drawbar with snap lock

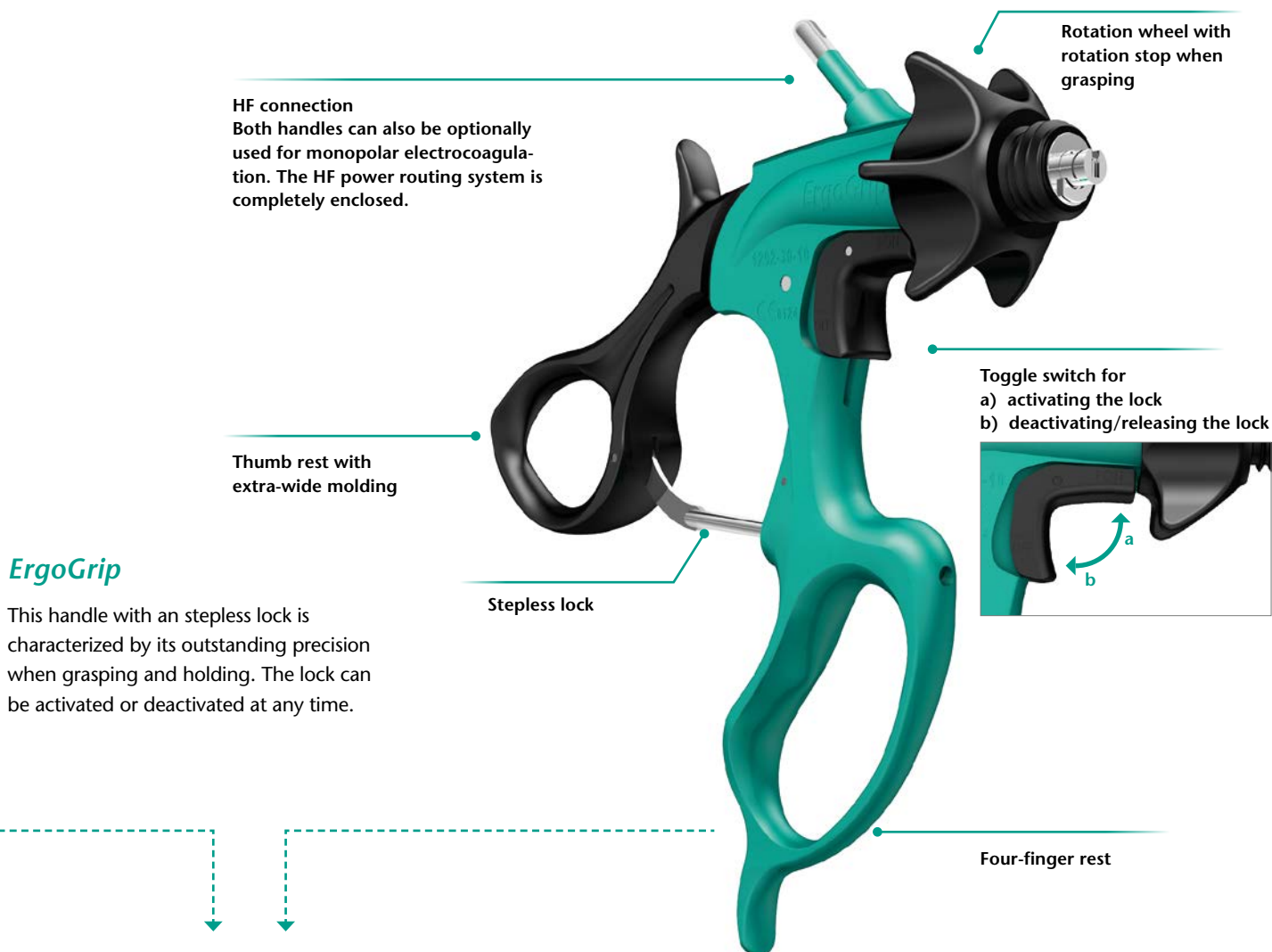
The removable and disposable instrument inserts MonoTip provide flexibility and cost-effectiveness. When scissors are used for coagulation new sharp instruments can be worked with for each intervention. These are only for use with the ErgoFlex handle without lock.



Disposable scissors inserts, MonoTip



Disposable grasping forceps inserts, MonoTip



ErgoGrip, ErgoFlex

Guide tubes



Guide tube, Ø 10 mm

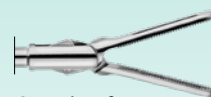


Guide tube, Ø 5 mm



Instrument attachment, Ø 3 mm

A large selection of reusable instrument inserts



Grasping forceps



Scissors



Biopsy spoon forceps



Clamps

Easy to handle, many versions and precise **ErgoSys sets new standards**

*The basis of the ErgoSys instrument system are the two new handles:
ErgoGrip with stepless lock and ErgoFlex without lock. They cover not only the
entire range of application possibilities but also convince with maximum
ergonomics for multiple hand positions. Operation is comfortable and simple for
both left- and right-handed people.*



Ergonomic shaping

The wide molding and the distance from the four-finger rest and thumb rest combined with the rounded edges meet the maximum requirements for ergonomics.

➡ This guarantees a balanced distribution of force on the individual fingers, prevents signs of fatigue and avoids pressure marks as well as possible nerve compression.

Multiple grip techniques

Clasping the handle is also perfectly supported from an ergonomic view.

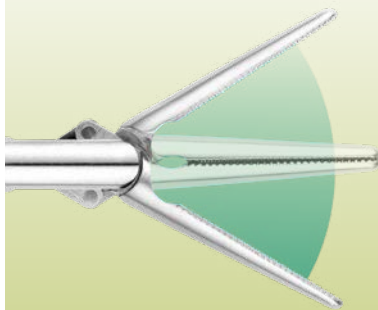
➡ Each user finds an optimum holding position at any time regardless of preferences.

ErgoGrip – The handle with a activatable stepless lock

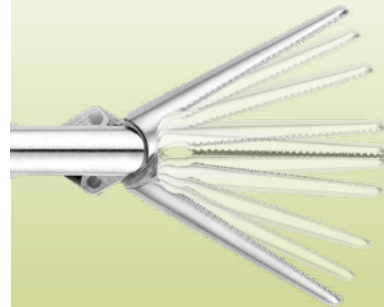
ErgoGrip has an stepless lock that ensures every desired position when grasping. This allows for absolutely precise and atraumatic work simultaneously.

➡ In contrast to conventional handles with ratchet, ErgoGrip reduces the risk of injury to organs or tissue. The stepless variable lock of ErgoGrip grasps and holds tissue in every possible position whereas conventional ratchets lock in the defined positions where the instrument pressure on the tissue is increased or reduced so that tissue can slip out of the instrument jaws.

Stepless lock for ErgoGrip



Locking positions for conventional laparoscopic instruments



Conventional handles have fixed locking positions within the entire opening angle. In contrast the user can choose a completely individual and stepless opening angle when using ErgoGrip.



Rebounding thumb ring

Opening of the instrument insert with the assistance of a spring in the handle.

➡ This prevents signs of fatigue and also eases the adaptation of the instrument inserts to a significant degree.



Activating and deactivating the lock

The toggle switch is pressed upwards to activate the stepless lock and downwards to deactivate/release it.

➡ If the stepless lock is activated, the instrument inserts can be closed at any time when opening is locked.

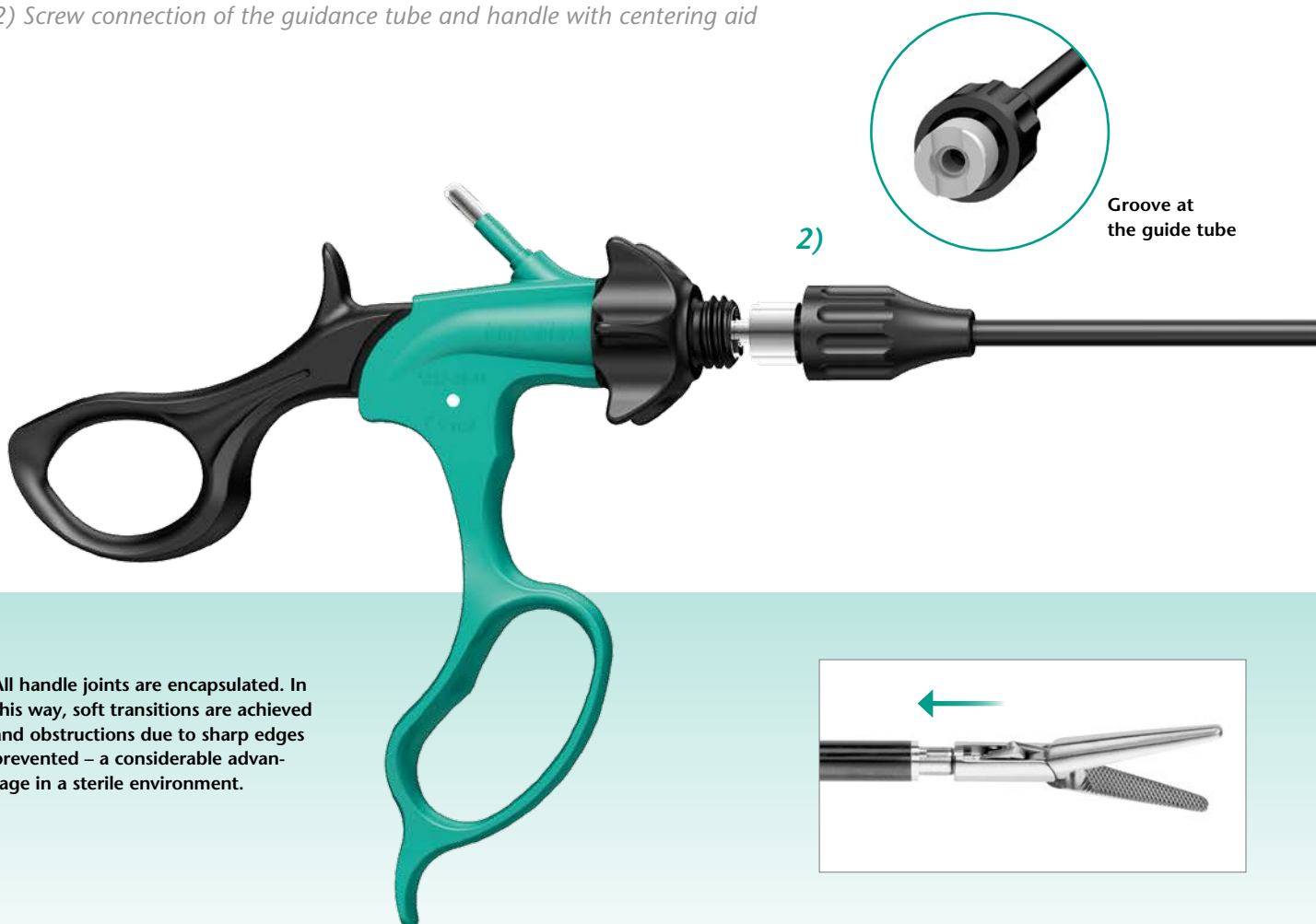
Double secured

Ready for use in no time

Assembling the instrument is quick and comfortable based on a well thought out fastening system. Due to the double anchoring system the preconditions for a maximum anti-twisting security for each handle module are defined. The first-class quality of the module connection becomes apparent when strong forces act on the system.

The two-stage locking mechanism of the laparoscopic instrument:

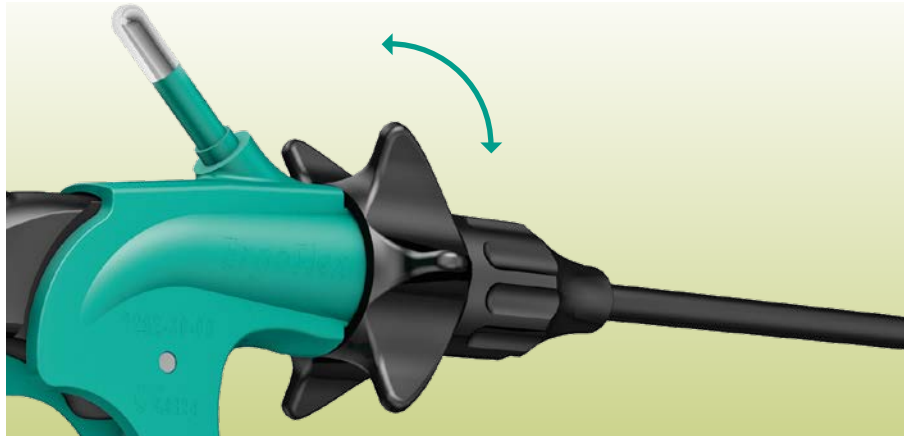
- 1) Anchoring of the instrument insert in the guidance tube
- 2) Screw connection of the guidance tube and handle with centering aid



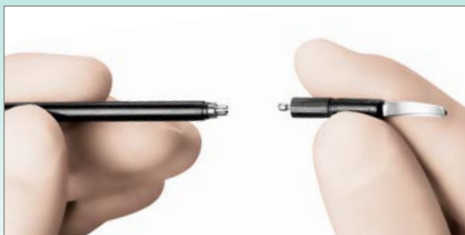
All handle joints are encapsulated. In this way, soft transitions are achieved and obstructions due to sharp edges prevented – a considerable advantage in a sterile environment.

1 a) Anchoring a reusable instrument insert in the guide tube

A snap mechanism anchors the instrument insert with the guide tube. The notch in the instrument insert and the corresponding counter piece at the guide tube guarantee a torsion-resistant connection for both parts.



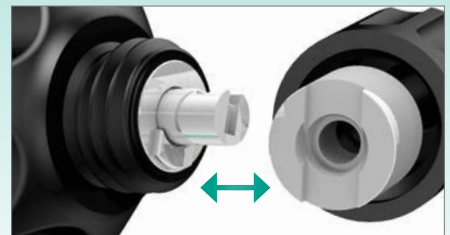
The rotation wheel can be adjusted with light pressure from the index finger. A rotation stop ensures the desired position when grasping.



1 b) Anchoring a disposable instrument insert in the shaft tube

For the disposable system, the disposable instrument insert is clicked in the drawbar and tightly screwed to the shaft tube.

Only combinable with ErgoFlex



2) Simplified connection of guidance tube and handle

In addition to the proven screw connection of handle and instrument insert a centering aid is attached to the inclusion of the handle, which allows a secure anchoring of the guide tube with groove and an automatic centering. An unwanted release of the connection during the procedure is therefore not possible.

Modules for PAJUNK® laparoscopic instruments

Instrument system for reuse


Always the right combination: The handle, insulated guide tubes and instrument inserts can be mounted in any size-related arrangement as a modular system.

ErgoFlex and ErgoGrip






Product	Item.-No.	PU
ErgoFlex handle for modular instrument inserts	1292-30-00	1
ErgoGrip handle with activatable stepless lock for modular instrument inserts	1292-30-10	1






ErgoTube

	Product	Size	Working length	Item.-No.	PU
	Insulated guide tube	Ø 5 mm	330mm	1292-13-05	1
		Ø 10 mm	330mm	1292-13-10	1
		Ø 5 mm	450 mm	1292-14-05	1
Ø 10 mm		450 mm	1292-14-10	1	







ErgoClamp

Product	Size	Working length	Item.-No.	PU
	Ø 10 mm	330 mm	1292-83-10	1
		450 mm	1292-84-10	1
	Ø 10 mm	330 mm	1292-83-15	1
		450 mm	1292-84-15	1
	Ø 10 mm	330 mm	1292-83-41	1
		450 mm	1292-84-41	1


















ErgoForceps

	Product	Size	Working length	Item.-No.	PU
	MARYLAND grasping forceps, double-action	Ø 10 mm	330 mm	1292-63-20	1
			450 mm	1292-64-20	1
	MIXTER dissection- and grasping forceps, double-action	Ø 10 mm	330 mm	1292-63-21	1
			450 mm	1292-64-21	1
	Claw grasping forceps, 2 x 3 teeth, single-action	Ø 10 mm	330 mm	1292-63-30	1
			450 mm	1292-64-30	1
	BABCOCK grasping forceps, double-action	Ø 10 mm	330 mm	1292-63-31	1
			450 mm	1292-64-31	1
	Biopsy spoon forceps, single-action	Ø 10 mm	330 mm	1292-73-15	1
			450 mm	1292-74-15	1









ErgoScissors

	Product	Size	Working length	Item.-No.	PU
	Hook-type scissors, straight, single-action	Ø 5 mm	330 mm	1292-93-10	1
			450 mm	1292-94-10	1
	Dissecting scissors, straight, double-action	Ø 5 mm	330 mm	1292-93-13	1
			450 mm	1292-94-13	1
	Dissecting scissors, curved, METZENBAUM, double-action	Ø 5 mm	330 mm	1292-93-14	1
			450 mm	1292-94-14	1
	Dissecting scissors, curved, METZENBAUM, with fine teeth, double-action	Ø 5 mm	330 mm	1292-93-15	1
			450 mm	1292-94-15	1
	Micro scissors, straight, single-action	Ø 5 mm	330 mm	1292-93-16	1
			450 mm	1292-94-16	1
	Micro scissors, curved, single-action	Ø 5 mm	330 mm	1292-93-17	1
			450 mm	1292-94-17	1
	Peritoneal scissors, straight, single-action	Ø 5 mm	330 mm	1292-93-18	1
			450 mm	1292-94-18	1

ErgoForceps

	Product	Size	Working length	Item.-No.	PU
	Grasping forceps, 2 x 1 teeth, double-action	Ø 5 mm	330 mm	1292-53-09	1
			450 mm	1292-54-09	1
	OVIDUCT grasping forceps, smooth, double-action	Ø 5 mm	330 mm	1292-53-10	1
			450 mm	1292-54-10	1
	DOLPHIN dissection- and grasping forceps, double-action	Ø 5 mm	330 mm	1292-53-11	1
			450 mm	1292-54-11	1
	Grasping forceps with reservoir, double-action	Ø 5 mm	330 mm	1292-53-13	1
			450 mm	1292-54-13	1
	Grasping forceps, pointed, with reservoir, double-action	Ø 5 mm	330 mm	1292-53-14	1
			450 mm	1292-54-14	1
	Atraumatic grasping forceps, pointed, cross-cut serration, 18mm, double-action	Ø 5 mm	330 mm	1292-53-15	1
			450 mm	1292-54-15	1
	Mouse tooth grasping forceps with 2 x 4 teeth, double-action	Ø 5 mm	330 mm	1292-53-16	1
			450 mm	1292-54-16	1
	Alligator grasping forceps, double-action	Ø 5 mm	330 mm	1292-53-17	1
			450 mm	1292-54-17	1
	Dissection- and grasping forceps, double-action	Ø 5 mm	330 mm	1292-53-18	1
			450 mm	1292-54-18	1
	Dissection- and grasping forceps, fenestrated, double-action	Ø 5 mm	330 mm	1292-53-19	1
			450 mm	1292-54-19	1
	MARYLAND dissection- and grasping forceps, double-action	Ø 5 mm	330 mm	1292-53-20	1
			450 mm	1292-54-20	1
	MIXTER dissection- and grasping forceps, double-action	Ø 5 mm	330 mm	1292-53-21	1
			450 mm	1292-54-21	1
	ALLIS grasping forceps, double-action	Ø 5 mm	330 mm	1292-53-22	1
			450 mm	1292-54-22	1
	Grasping forceps with fine cross toothing, double-action	Ø 5 mm	330 mm	1292-53-23	1
			450 mm	1292-54-23	1
	BABCOCK grasping forceps, double-action	Ø 5 mm	330 mm	1292-53-26	1
			450 mm	1292-54-26	1
	Atraumatic grasping forceps, fenestrated, single-action	Ø 5 mm	330 mm	1292-53-27	1
			450 mm	1292-54-27	1
	Atraumatic grasping forceps, cross-toothed, single-action	Ø 5 mm	330 mm	1292-53-28	1
			450 mm	1292-54-28	1

ErgoForceps

	Product	Size	Working length	Item.-No.	PU
	Atraumatic grasping forceps, multiple fine-toothed, single-action	Ø 5 mm	330 mm	1292-53-29	1
			450 mm	1292-54-29	1
	Claw grasping forceps, 2 x 3 teeth, single-action	Ø 5 mm	330 mm	1292-53-30	1
			450 mm	1292-54-30	1
	Grasping forceps MAXI GRIP, double-action	Ø 5 mm	330 mm	1292-53-31	1
			450 mm	1292-54-31	1
	Atraumatic claw grasper with wavy teeth, single-action	Ø 5 mm	330 mm	1292-53-32	1
			450 mm	1292-54-32	1
	Atraumatic claw grasper with wavy teeth, reservoir, double-action	Ø 5 mm	330 mm	1292-53-33	1
			450 mm	1292-54-33	1
	DeBAKEY clamp, jaw length 30 mm, double-action	Ø 5 mm	330 mm	1292-53-36	1
			450 mm	1292-54-36	1
	Atraumatic grasping forceps, fenestrated, double-action	Ø 5 mm	330 mm	1292-53-37	1
			450 mm	1292-54-37	1
	DORSEY grasping forceps, with large window, double-action	Ø 5 mm	330 mm	1292-53-38	1
			450 mm	1292-54-38	1
	ENDOCLINCH atraumatic wavy grasping forceps, fenestrated, double-action	Ø 5 mm	330 mm	1292-53-39	1
			450 mm	1292-54-39	1
	KELLY grasping forceps, double-action	Ø 5 mm	330 mm	1292-53-42	1
			450 mm	1292-54-42	1
	AGGRESSIV claw grasping forceps, double-action	Ø 5 mm	330 mm	1292-53-43	1
			450 mm	1292-54-43	1
	RETRACTION wavy grasping forceps, single-action	Ø 5 mm	330 mm	1292-53-44	1
			450 mm	1292-54-44	1
	DELPHIN LONG Dissection- and grasping forceps, double-action	Ø 5 mm	330 mm	1292-53-46	1
			450 mm	1292-54-46	1
	MAXI GRIP XL grasping forceps	Ø 5 mm	330 mm	1292-53-48	1
			450 mm	1292-54-48	1
	Biopsy punch, single-action	Ø 5 mm	330 mm	1292-73-10	1
			450 mm	1292-74-10	1
	Biopsy spoon forceps, double-action	Ø 5 mm	330 mm	1292-73-13	1
			450 mm	1292-74-13	1
	Biopsy spoon forceps with thorn, double-action	Ø 5 mm	330 mm	1292-73-14	1
			450 mm	1292-74-14	1

Modules for PAJUNK® laparoscopic instruments

Instrument system for reuse

ErgoTop



Instrument shaft attachments Ø 3 mm, working length 250/330 mm

	Product	Working length	Item.-No.	PU
	DOLPHIN dissection- and grasping forceps, double-action	250 mm	1292-42-10	1
		330 mm	1292-43-10	1
	Atraumatic grasping forceps, pointed, cross toothed, double-action	250 mm	1292-42-13	1
		330 mm	1292-43-13	1
	Universal grasping forceps, double-action	250 mm	1292-42-14	1
		330 mm	1292-43-14	1
	MARYLAND dissection- and grasping forceps, double-action	250 mm	1292-42-15	1
		330 mm	1292-43-15	1
	Claw grasping forceps, 2 x 3 teeth, single-action	250 mm	1292-42-16	1
		330 mm	1292-43-16	1
	Dissecting scissors, straight, double-action	250 mm	1292-42-17	1
		330 mm	1292-43-17	1
	Dissecting scissors, curved, METZENBAUM, double-action	250 mm	1292-42-18	1
		330 mm	1292-43-18	1
	Hook-type scissors, straight, single-action	250 mm	1292-42-20	1
		330 mm	1292-43-20	1
	Micro scissors, straight, single-action	250 mm	1292-42-21	1
		330 mm	1292-43-21	1
	Biopsy spoon forceps, double-action	250 mm	1292-42-22	1
		330 mm	1292-43-22	1
	Biopsy spoon forceps with thorn, double-action	250 mm	1292-42-23	1
		330 mm	1292-43-23	1
	Atraumatic grasping forceps, fenestrated, double-action	250 mm	1292-42-24	1
		330 mm	1292-43-24	1

Modules for PAJUNK® laparoscopic instruments

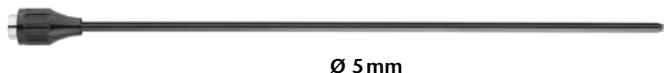
Instrument system for disposable use

ErgoFlex



Product	Item.-No.	PU
ErgoFlex handle for modular instrument inserts	1292-30-00	1

TipTube



Ø 5 mm

Product	Working length	Item.-No.	PU
Guide tube	330 mm	1293-15-05	1
	450 mm	1293-16-05	1

TipRod Ergo








Ø 5 mm

Product	Working length	Item.-No.	PU
Drawbar	330 mm	1293-20-05	1
	450 mm	1293-21-05	1



MonoTip

Disposable scissors inserts

	Product		Model	Item.-No.	PU
	MonoTip METZENBAUM L	Ø 5 mm, double-action, jaw insert length: 20 mm	large	1293-93-01	10
	MonoTip METZENBAUM M	Ø 5 mm, double-action, jaw insert length: 15,5 mm	medium	1293-93-02	10
	MonoTip METZENBAUM S	Ø 5 mm, double-action, jaw insert length: 10 mm	small	1293-93-03	10
	MonoTip METZENBAUM P	Ø 5 mm, double-action, jaw insert length: 16,5 mm	medium/ pointed	1293-93-04	10
	MonoTip DISSECT M	Ø 5 mm, double-action, jaw insert length: 15,5 mm	medium	1293-93-12	10

MonoTip

Disposable grasping forceps inserts

	Product		Item.-No.	PU
	MonoTip ENDOCLINCH	Ø 5 mm, double-action, jaw insert length: 21 mm	1293-53-10	10
	MonoTip MARYLAND	Ø 5 mm, double-action, jaw insert length: 20 mm	1293-53-20	10

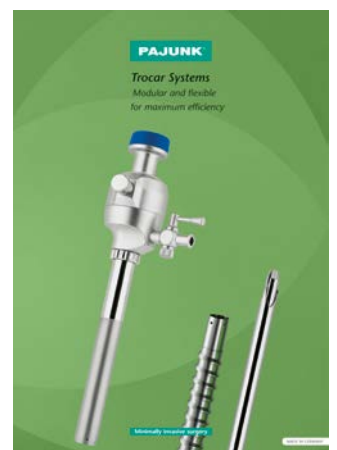
Adapter



Product	Item.-No.	PU
High pressure irrigation adapter with female Luer Lock Connector, for all ErgoSys shaft inserts and guide tubes	1292-43-98	1



www.ergo-sys.com



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