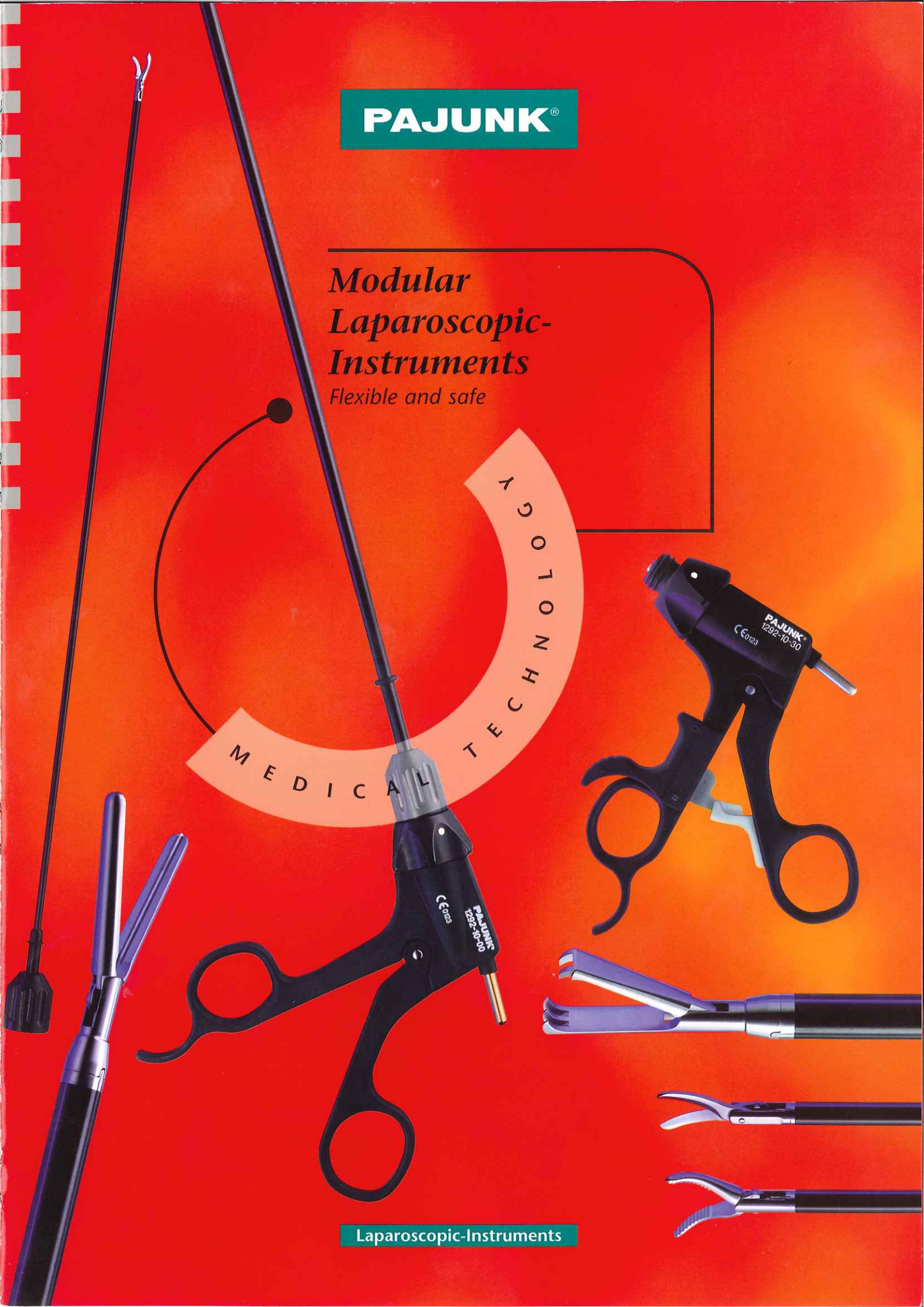


PAJUNK®

*Modular
Laparoscopic-
Instruments*

Flexible and safe

MEDICAL TECHNOLOGY



Laparoscopic-Instruments

Precision in every detail:

The optimal module for every field of application

Handles



Combination handle

The newly developed combination handle combines the advantages of the ratchet handle with those of the free-moving handle.



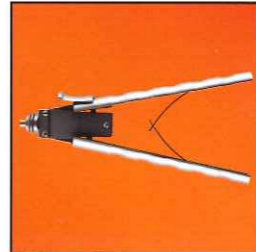
Handle with tilting ratchet underneath



Free-moving handle



Handle with ratchet



Axial handle

Guidance tubes



Insulated shaft, Ø 10 mm



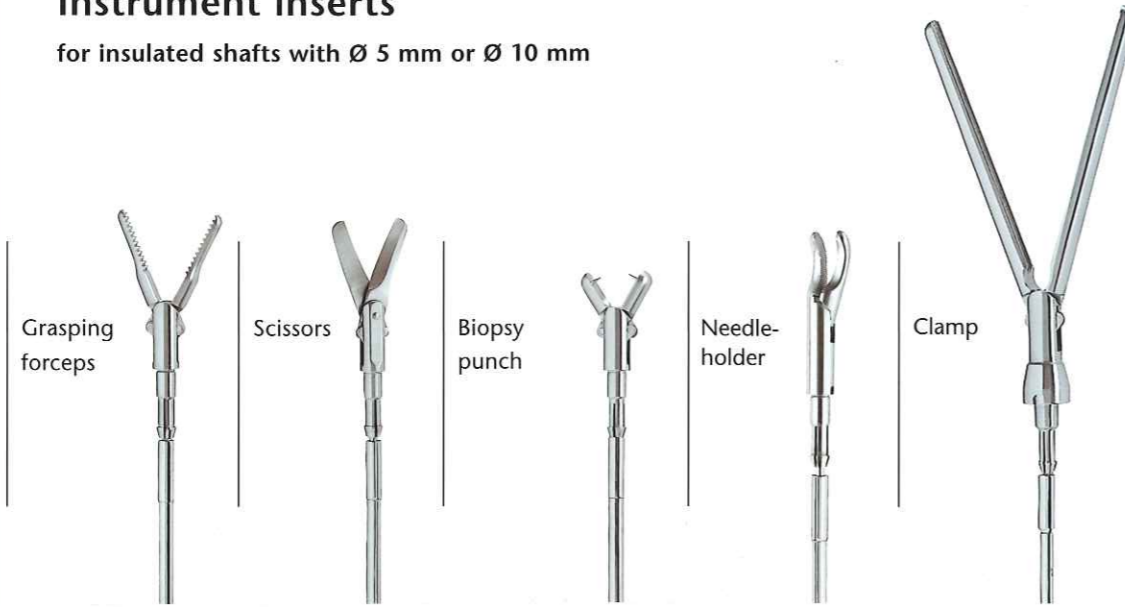
Insulated shaft, Ø 5 mm



Insulated shaft, Ø 3 mm, with integrated instrument insert

Instrument inserts

for insulated shafts with Ø 5 mm or Ø 10 mm



Grasping forceps

Scissors

Biopsy punch

Needle-holder

Clamp

From a global viewpoint:

You're in control of all the options



Optimized in every detail, the handle-instruments react precisely to every movement of your hand. The large variety of instrument inserts will guarantee for the proper equipment for every use.

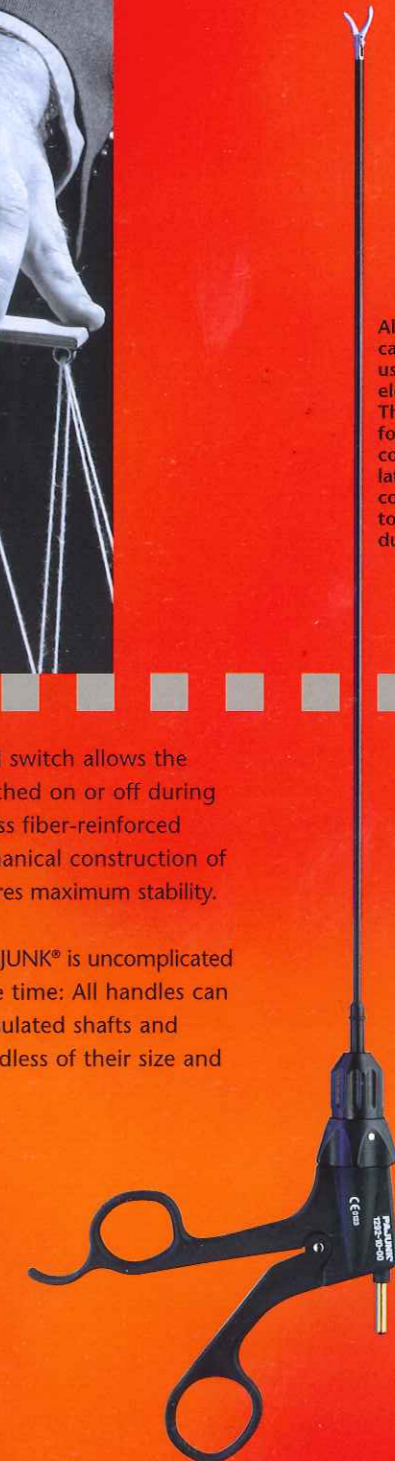
All PAJUNK® handles can optionally be used for monopolar electro-coagulation. The supply system for the HF-current is completely encapsulated, the gold-plated coagulation-connectors optimize conductivity.

Precision, stability and safety are the decisive criteria for instruments used in laparoscopy. Even up to the smallest detail, PAJUNK® fulfills these requirements with a modular system which adapts to a variety of demands.

Three handles constitute the basis of the system. While the free-moving handle opens and closes without locking into place, the handle with ratchet is especially suitable for securing and holding in place. The combination handle incorporates the advantages of these two handles.

An ergonomically placed switch allows the ratchet to be easily switched on or off during usage. Jacketed with glass fiber-reinforced plastic, the precise mechanical construction of the PAJUNK® handle ensures maximum stability.

The modular system of PAJUNK® is uncomplicated and versatile at the same time: All handles can be combined with all insulated shafts and instrument inserts, regardless of their size and shape.



Versatile and ergonomic:

Ready for use in literally no time

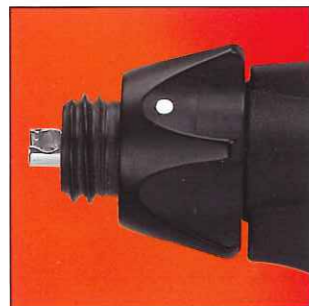


The capsule on the instrument insert is pushed inward. In doing so, the jaws will open, the instrument insert is released and it can be removed.

More comfort through simple handling

Designed for left- and right-handed use, the ergonomically shaped handles are very simple and comfortable to operate. The rotary wheel can be adjusted with a little pressure applied by the index finger. A built-in rotation stop secures the desired position when grasping.

A unique PAJUNK® feature: All handle joints are encapsulated. This facilitates soft and gentle operation and avoids harsh functioning due to sharp edges; a substantial advantage in sterile surroundings.



The module-connection as a quality characteristic:

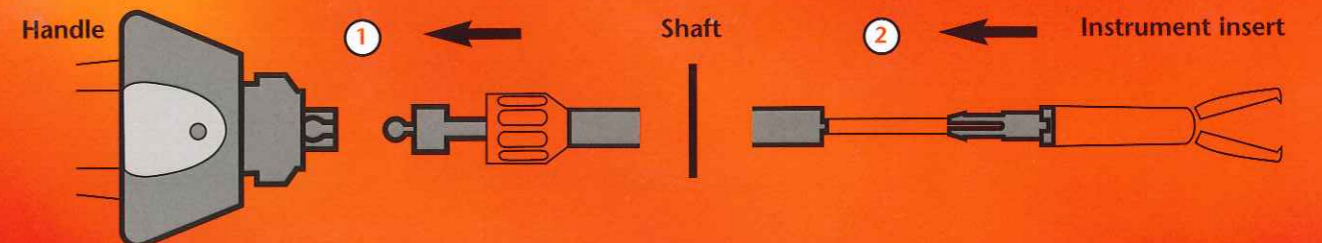
Double safety due to two locking mechanisms



Utmost precision: Double security against distortion makes work easier, specifically in those cases demanding a greater exertion of force.

Every module of the handle-instrument is kept in place in its bracing fixture, secured against distortion. A snap-on mechanism locks the instrument insert in the shaft (exception: 3 mm tube); this whole element can then in turn be latched onto the handle by a special locking

device. This latching of the connecting rod and the shaft minimizes the torsion stress exerted upon the instrument insert; the double security against distortion transfers the torque also to the entire shaft.



The double locking mechanism makes the handle-instrument twice as safe against distortion:

1 A capsule connects the shaft to the handle. It clicks onto the handle tightly, thanks to a integrated notch, and it ensures the safe and secure connection of the two elements.

2 A milled notch in the instrument insert, and the corresponding counterpart at the shaft ensure that both parts are connected to each other secure against distortion.

Variety in summary:

Systematized modules

Always the right combination: As a modular system, the handles, the isolated shafts and

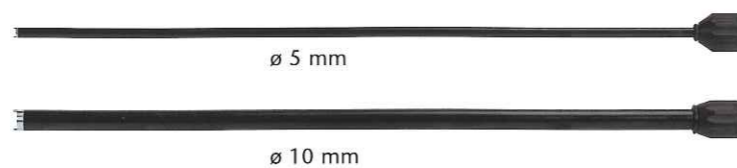
the instrument inserts may be combined in whichever size-orientated composition preferred.

Modules for PAJUNK Laparoscopic-Instruments

Handles

	Product Plastic handle for modular instrument inserts of the series 1292. Rotatable, with gold-plated HF connection. Automatic safeguard against distortion in the locked / engaged position.	Order no. 1292-10-00
	Product Plastic handle for modular instrument inserts of the series 1292. Rotatable, with gold-plated HF connection and ratchet. Automatic safeguard against distortion in the locked / engaged position.	Order no. 1292-10-20
	Product Plastic handle for modular instrument inserts of the series 1292. Rotatable, with gold-plated HF connection and switchable ratchet. Automatic safeguard against distortion in the locked / engaged position.	Order no. 1292-10-30
	Product Plastic handle for modular instrument inserts of the series 1292. Rotatable, with gold-plated HF connection and tilting ratchet underneath. Automatic safeguard against distortion in the locked / engaged position.	Order no. 1292-10-40
	Product Modular axial metal handle, with ratchet. Especially for use with needle holders 1292-95-xx. Without coagulation.	Order no. 1292-20-30




















Insulated shafts



Product	Size	Working length	Order no.
Insulated shaft, adaptable to all handles and instrument inserts of the series 1292.	ø 5 mm	330 mm	1292-13-05
	ø 10 mm	330 mm	1292-13-10
	ø 5 mm	450 mm	1292-14-05
	ø 10 mm	450 mm	1292-14-10

Modular instrument inserts


Grasping forceps

Product	Size	Working length	Order no.
 Dissection- and grasping forceps "DELPHIN", double action	ø 5 mm ø 5 mm	330 mm 450 mm	1292-53-11 1292-54-11
 Grasping forceps with reservoir, blunt, double action	ø 5 mm ø 5 mm	330 mm 450 mm	1292-53-12 1292-54-12
 Grasping forceps with reservoir, double action	ø 5 mm ø 5 mm	330 mm 450 mm	1292-53-13 1292-54-13
 Atraumatic grasping forceps, pointed, cross-cut serration, 18 mm, double action	ø 5 mm ø 5 mm	330 mm 450 mm	1292-53-15 1292-54-15
 Mouse-tooth-type grasping forceps with 2 x 4 teeth, double action	ø 5 mm ø 5 mm	330 mm 450 mm	1292-53-16 1292-54-16
 Alligator-type grasping forceps, double action	ø 5 mm ø 5 mm	330 mm 450 mm	1292-53-17 1292-54-17
 Dissection- and grasping forceps, double action	ø 5 mm ø 5 mm	330 mm 450 mm	1292-53-18 1292-54-18
 Dissection- and grasping forceps, fenestrated, double action	ø 5 mm ø 5 mm	330 mm 450 mm	1292-53-19 1292-54-19
 Dissection- and grasping forceps "MARYLAND", double action	ø 5 mm ø 5 mm	330 mm 450 mm	1292-53-20 1292-54-20
 Dissection- and grasping forceps "MIXTER", double action	ø 5 mm ø 5 mm	330 mm 450 mm	1292-53-21 1292-54-21
 Grasping forceps "ALLIS", double action	ø 5 mm ø 5 mm	330 mm 450 mm	1292-53-22 1292-54-22
 Grasping forceps with fine cross-cut serration, double action	ø 5 mm ø 5 mm	330 mm 450 mm	1292-53-23 1292-54-23
 Grasping forceps "BABCOCK", double action	ø 5 mm ø 5 mm	330 mm 450 mm	1292-53-26 1292-54-26
 Claw-type grasping forceps, 2 x 3 teeth, single action	ø 5 mm ø 5 mm	330 mm 450 mm	1292-53-30 1292-54-30
 Grasping forceps "MAXI GRIP", double action	ø 5 mm ø 5 mm	330 mm 450 mm	1292-53-31 1292-54-31
 Grasping forceps "MARYLAND", double action	ø 10 mm ø 10 mm	330 mm 450 mm	1292-63-20 1292-64-20
 Dissection- and grasping forceps "MIXTER", double action	ø 10 mm ø 10 mm	330 mm 450 mm	1292-63-21 1292-64-21
 Claw-type grasping forceps, 2 x 3 teeth, single action	ø 10 mm ø 10 mm	330 mm 450 mm	1292-63-30 1292-64-30
 Grasping forceps "BABCOCK", double action	ø 10 mm ø 10 mm	330 mm 450 mm	1292-63-31 1292-64-31


Biopsy

Product	Size	Working length	Order no.
 Biopsy punch with thorn, double action	ø 5 mm ø 5 mm	330 mm 450 mm	1292-73-14 1292-74-14


Clamps

	Product	Size	Working length	Order no.
	"BABCOCK" clamp, double action	ø 10 mm ø 10 mm	330 mm 450 mm	1292-83-10 1292-84-10
	"COLLIN" clamp, double action	ø 10 mm ø 10 mm	330 mm 450 mm	1292-83-15 1292-84-15
	Clamp with "DEBAKEY" teeth 2 x 3, jaw length 40 mm, double action	ø 10 mm ø 10 mm	330 mm 450 mm	1292-83-41 1292-84-41

Scissors

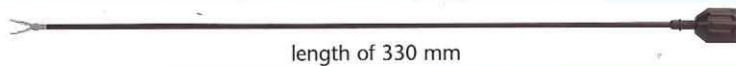
	Product	Size	Working length	Order no.
	Hook-type scissors, straight, single action	ø 5 mm ø 5 mm	330 mm 450 mm	1292-93-10 1292-94-10
	Dissecting scissors, straight, double action	ø 5 mm ø 5 mm	330 mm 450 mm	1292-93-13 1292-94-13
	Dissecting scissors, curved, "METZENBAUM", double action	ø 5 mm ø 5 mm	330 mm 450 mm	1292-93-14 1292-94-14
	Micro-scissors, straight, single action	ø 5 mm ø 5 mm	330 mm 450 mm	1292-93-16 1292-94-16
	Micro-scissors, curved, single action	ø 5 mm ø 5 mm	330 mm 450 mm	1292-93-17 1292-94-17












Needle holder

	Product	Size	Working length	Order no.
	Needle holder, straight, single action, with tungsten carbide coating and needle alignment	ø 5 mm ø 5 mm	330 mm 450 mm	1292-95-10 1292-96-10
	Needle holder, left curved, single action, with tungsten carbide insert	ø 5 mm ø 5 mm	330 mm 450 mm	1292-95-11 1292-96-11
	Needle holder, right curved, single action, with tungsten carbide insert	ø 5 mm ø 5 mm	330 mm 450 mm	1292-95-12 1292-96-12



Modular instrument shaft mountings

Series Ø 3 mm



Product	Order no.	Product	Order no.
 Dissection- and grasping forceps "DELPHIN", double action	1292-43-10	 Dissecting scissors, straight, double action	1292-43-17
 Atraumatic grasping forceps, pointed, cross-cut serration, double action	1292-43-13	 Dissecting scissors, curved, "METZENBAUM", double action	1292-43-18
 Universal grasping forceps, double action	1292-43-14	 Hook-type scissors, straight, single action	1292-43-20
 Dissection- and grasping forceps "MARYLAND", double action	1292-43-15	 Micro-scissors, straight, single action	1292-43-21
 Claw-type grasping forceps, 2 x 1 teeth, single action	1292-43-16	 Biopsy punch, double action	1292-43-22
		 Biopsy punch with thorn, double action	1292-43-23

Adapters

Product	Order no.
 Adapter for high pressure rinsing, with female LL-connector for modular, nonseparable instrument mountings no. 1292-43-xx, as well as adaptable guidance tubes no. 1292-13-xx and 1292-14-xx	1292-43-98
 High pressure hose adapter, with male LL-connector	1292-43-99

