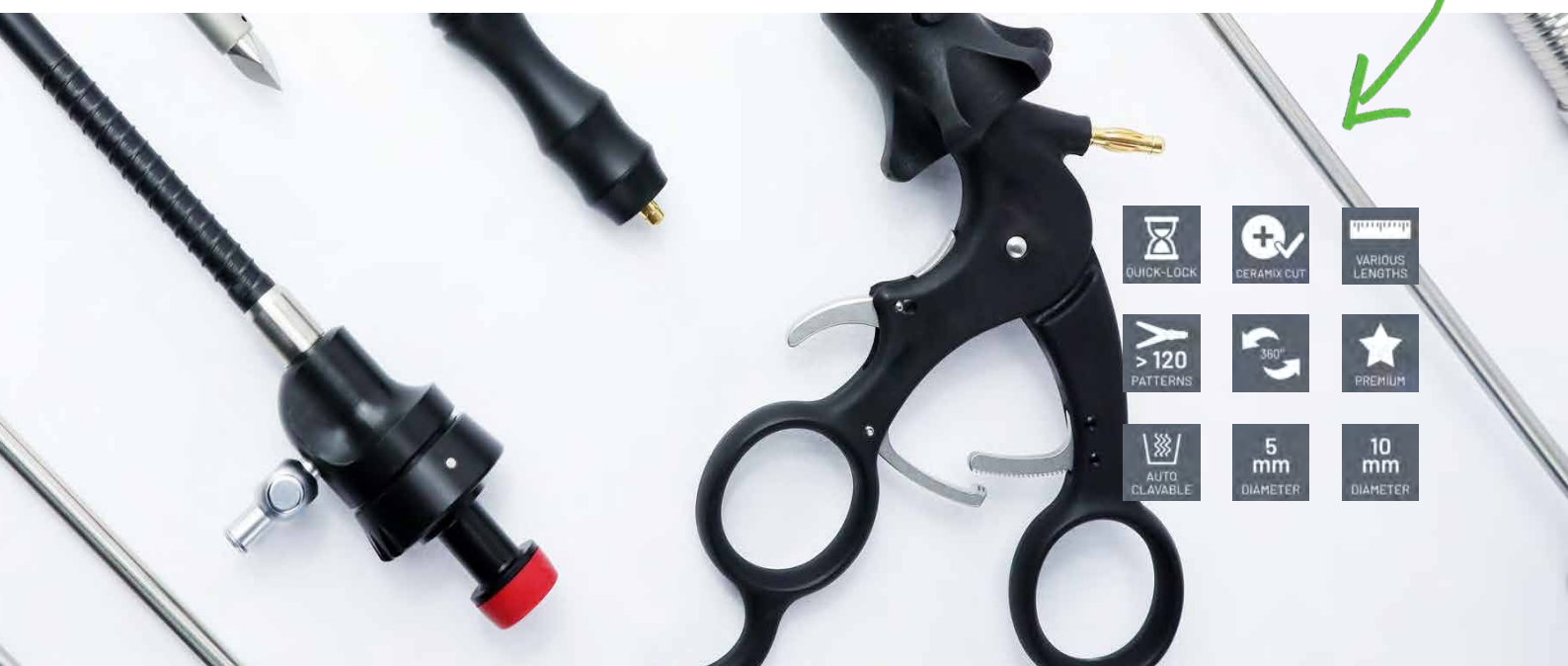




XPress Lock™ Line

Key Features

- Its innovative **quick-lock mechanism** allows for assembly and disassembly within seconds
- **Fully intuitive** and reliable
- **More than 120 different instrument patterns**, from multiple graspers, dissectors, specialty instruments and **Ceramix Cut™**, a high performance Metzenbaum scissor insert featuring ceramic coated blades



... more Features

- Autoclavable
- Lengths of 330 and 450 mm
- No hidden spaces to accommodate blood and debris
- 45° HF-port on the handle
- Ratchet design for on-off action available
- 360° rotatable with audible and tactile feedback
- Unique range of premium instrumentation



XPress Lock™ Handle with Universal Ratchet



	Item no.
XPress Lock™ handle with universal ratchet, black	13-1368XP

XPress Lock™ Handle w/o Ratchet



	Item no.
XPress Lock™ handle without ratchet, black	13-1367XP

XPress Lock™ Handle with French Ratchet



	Item no.
XPress Lock™ handle with french ratchet, black	13-1369XP

XPress Lock™ Sheaths



	Diameter		Length		Item no.
	Ø 5 mm	Ø 10 mm	330 mm	450 mm	
Sheath for XPress Lock™ and Ceramix Cut™ inserts	•		•		13-1356XP
Sheath for XPress Lock™ and Ceramix Cut™ inserts	•			•	13-1356XP-45
Sheath for XPress Lock™ and Ceramix Cut™ inserts		•	•		13-1357XP
Sheath for XPress Lock™ and Ceramix Cut™ inserts		•		•	13-1357XP-45

CeramiX Cut™ Scissors

Key Features

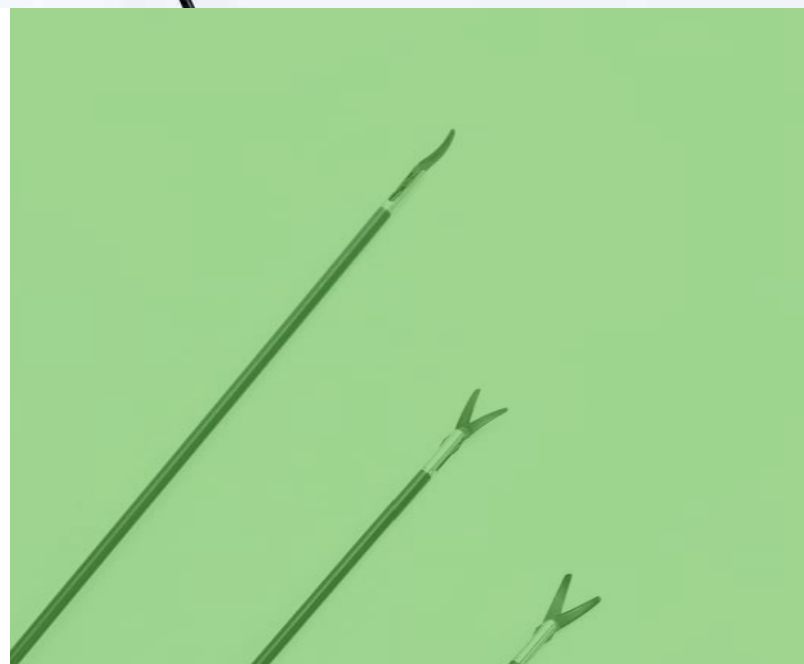
- **Wear-resistant**
- **Outstanding cutting** ability
- Reduced abrasion
- Minimal optical reflection
- **Substantially harder** than regular stainless steel
- Available for use with **XPress Lock™** and **Miniature XPress Lock™**



MINI XPRESS LOCK™ COMPATIBLE	XPRESS LOCK™ COMPATIBLE	★ PREMIUM	🚰 PREVENTS INJURIES
2.9 mm DIAMETER	5 mm DIAMETER	🌡️+ TEMP. RESISTANT	📏 VARIOUS LENGTHS
🔄 MINI LAP	🔄 LAP	💧 EASY CLEANABLE	🦋 LIGHT WEIGHT

... more Features

- Cost-effective due to long-term stable surface
- Non-corrosive
- Temperature- and scratch-resistant
- Smooth and dense surface - easily cleanable
- More resistant to detergents and disinfectants
- Improved sliding characteristics, therefore smoother movement of the scissor blades



Metzenbaum Scissors, Ceramix Cut™

"Slim-line", curved, double-action, Ø 5 mm, 17 mm jaw length



Line	Length		Item no.
	330 mm	450 mm	
XPress Lock™	•	•	13-1309CI
•	•	•	13-1309CI-45

Recommended use with Ø 5 mm sheath and handle w/o ratchet

Metzenbaum Scissors, Ceramix Cut™

Straight, double-action, Ø 5 mm, 17 mm jaw length

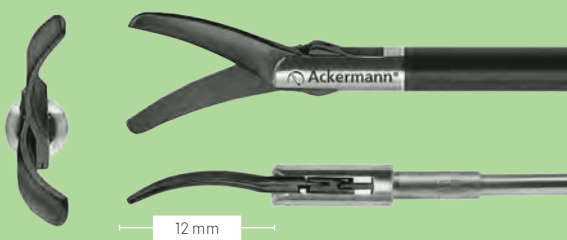


Line	Length		Item no.
	330 mm	450 mm	
XPress Lock™	•	•	13-1460CI
•	•	•	13-1460CI-45

Recommended use with Ø 5 mm sheath and handle w/o ratchet

Metzenbaum Scissors, Ceramix Cut™

Curved, double-action, Ø 5 mm, 17 mm jaw length



Line	Length		Item no.
	330 mm	450 mm	
XPress Lock™	•	•	13-1461CI
•	•	•	13-1461CI-45

Recommended use with Ø 5 mm sheath and handle w/o ratchet

Metzenbaum Scissors, Ceramix Cut™

Straight, serrated, double-action, Ø 5 mm, 17 mm jaw length



Line	Length		Item no.
	330 mm	450 mm	
XPress Lock™	•	•	13-1465CI
•	•	•	13-1465CI-45

Recommended use with Ø 5 mm sheath and handle w/o ratchet

Metzenbaum Scissors, Ceramix Cut™

Curved, serrated, double-action, Ø 5 mm, 17 mm jaw length



Line	Length		Item no.
	330 mm	450 mm	
XPress Lock™	•	•	13-1466CI
•	•	•	13-1466CI-45

Recommended use with Ø 5 mm sheath and handle w/o ratchet

MINI LAP Miniature Metzenbaum Scissors, Ceramix Cut™

Curved, double-action, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™	•	•	23-3000CI-20
•	•	•	23-3000CI

Recommended use with handle w/o ratchet

MINI LAP

Miniature Metzenbaum Scissors, Ceramix Cut™

Straight, double-action, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™	•	•	23-3005CI-20
	•	•	23-3005CI

Recommended use with **handle w/o ratchet**

MINI LAP

Miniature Metzenbaum Scissors, Ceramix Cut™

Serrated, curved, double-action, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™	•	•	23-3010CI-20
	•	•	23-3010CI

Recommended use with **handle w/o ratchet**

System CS™ Line

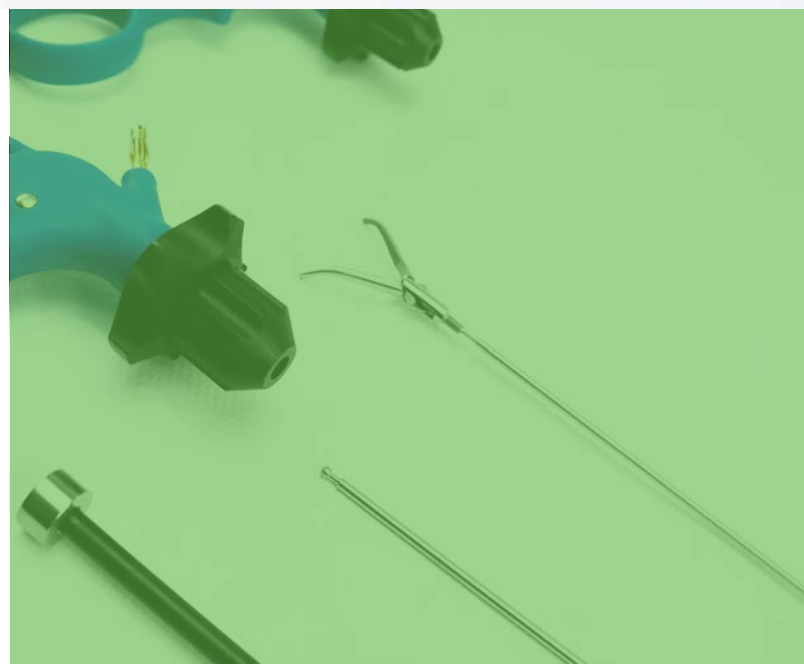
Key Features

- Extremely easy assembly and disassembly of the instrument with **screw connection**
- Comprehensive array of instrument patterns, all hand-made in Germany
- Wide selection of **handle options**
- **Premium performance** at unbeatable value for money without having to compromise on quality



... more Features

- Highly economic and proven line of the laparoscopic instruments serving the medical community around the globe
- Hand-made in Germany
- HF-capabilities
- 360° rotation
- Autoclavable
- Color-coded handles available for better instrument allocation



System CS™ Handle w/o Ratchet

	Color coding	Item no.
System CS™ handle without ratchet		13-1367CS
System CS™ handle without ratchet		13-1367FRIGELB
System CS™ handle without ratchet		13-1367FRIGRUEN
System CS™ handle without ratchet		13-1367FRIROT
System CS™ handle without ratchet		13-1367RCFI



System CS™ Handle with Traditional Ratchet

	Color coding	Item no.
System CS™ handle with traditional ratchet		13-1368CS
System CS™ handle with traditional ratchet		13-1368FRIGELB
System CS™ handle with traditional ratchet		13-1368FRIGRUEN
System CS™ handle with traditional ratchet		13-1368FRIROT
System CS™ handle with traditional ratchet		13-1368RCFI



System CS™ Handle with Universal Ratchet

	Color coding	Item no.
System CS™ handle with universal ratchet	●	13-1384CS
System CS™ handle with universal ratchet	●	13-1384FRIGELB
System CS™ handle with universal ratchet	●	13-1384FRIGRUEN
System CS™ handle with universal ratchet	●	13-1384FRIROT
System CS™ handle with universal ratchet	●	13-1384RCFI



System CS™ Handle with French Ratchet

	Color coding	Item no.
System CS™ handle with french ratchet	●	13-1369CS
System CS™ handle with french ratchet	●	13-1369FRIGELB
System CS™ handle with french ratchet	●	13-1369FRIGRUEN
System CS™ handle with french ratchet	●	13-1369FRIROT
System CS™ handle with french ratchet	●	13-1369RCFI



System CS™ Standard Handle

	Type		Item no.
	insulated, HF-port	non-insulated	
System CS™ standard handle	•		13-1366SI
System CS™ standard handle		•	13-1364SI



System CS™ Standard Handle with Traditional Ratchet

	Type		Item no.
	insulated, HF-port	non-insulated	
System CS™ standard handle with traditional ratchet	•		13-1362SITI
System CS™ standard handle with traditional ratchet		•	13-1363SRI



System CS™ Axial Handle with Ratchet

	Item no.
System CS™ axial handle with ratchet	13-1358AXDI



System CS™ Sheaths



	Diameter		Length		Item no.
	Ø 5 mm	Ø 10 mm	330 mm	450 mm	
Sheath for System CS™ inserts	•		•		13-1356CS
Sheath for System CS™ inserts	•			•	13-1356CS-45
Sheath for System CS™ inserts		•	•		13-1357CS
Sheath for System CS™ inserts		•		•	13-1357CS-45



Metzenbaum Scissors

Straight, double-action, Ø 5 mm, 17 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1460XPI
•			•	13-1460XPI-45
•		•		13-1460CI
•			•	13-1460CI-45
	•	•		13-1460CSI
	•		•	13-1460CSI-45

Recommended use with Ø 5 mm sheath and handle w/o ratchet

Metzenbaum Scissors

Straight, serrated, double-action, Ø 5 mm, 17 mm jaw length

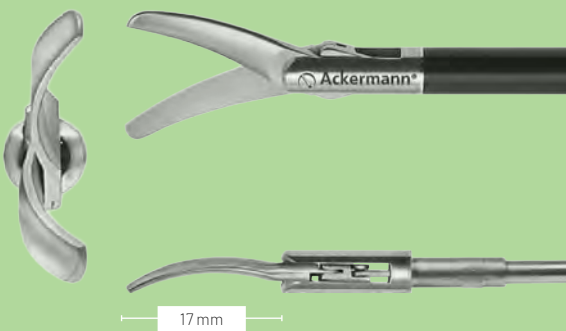


Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1465XPI
•			•	13-1465XPI-45
	•	•		13-1465CSI
	•		•	13-1465CSI-45

Recommended use with Ø 5 mm sheath and handle w/o ratchet

Metzenbaum Scissors

Curved, double-action, Ø 5 mm, 17 mm jaw length

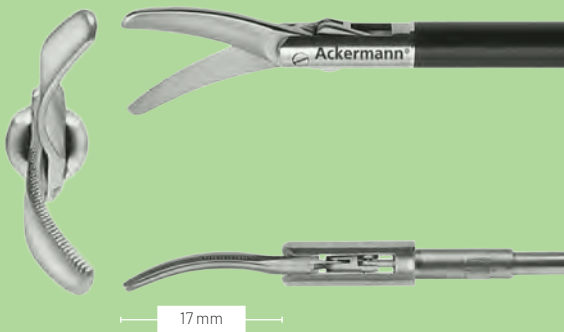


Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1461XPI
•			•	13-1461XPI-45
•		•		13-1461CI
•			•	13-1461CI-45
	•	•		13-1461CSI
	•		•	13-1461CSI-45

Recommended use with Ø 5 mm sheath and handle w/o ratchet

Metzenbaum Scissors

Curved, serrated, double-action, Ø 5 mm, 17 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1466XPI
•			•	13-1466XPI-45
•		•		13-1466CI
•			•	13-1466CI-45
	•	•		13-1466CSI
	•		•	13-1466CSI-45

Recommended use with Ø 5 mm sheath and handle w/o ratchet

Metzenbaum Scissors

Curved, medium blades, double-action, Ø 5 mm, 15 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1467XPI
•			•	13-1467XPI-45
	•	•		13-1467CSI
	•		•	13-1467CSI-45

Recommended use with Ø 5 mm sheath and handle w/o ratchet

Metzenbaum Scissors

"Slim-line", curved, double-action, Ø 5 mm, 17 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1309XPI
•			•	13-1309XPI-45
•		•		13-1309CI
•			•	13-1309CI-45
	•	•		13-1309CSI
	•		•	13-1309CSI-45

Recommended use with Ø 5 mm sheath and handle w/o ratchet

Miniature Metzenbaum Scissors

Curved, tapered down to 4 mm, double-action, Ø 5 mm, **12 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1468XPI
•			•	13-1468XPI-45
	•	•		13-1468CSI
	•		•	13-1468CSI-45

Recommended use with **Ø 5 mm sheath** and **handle w/o ratchet**

Metzenbaum Scissors

Straight, single-action, Ø 10 mm, **22 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1655XPI
•			•	13-1655XPI-45
	•	•		13-1655CSI
	•		•	13-1655CSI-45

Recommended use with **Ø 10 mm sheath** and **handle w/o ratchet**

Micro Scissors

Straight, single-action, Ø 5 mm, **6 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1344XPI
•			•	13-1344XPI-45
	•	•		13-1344CSI
	•		•	13-1344CSI-45

Recommended use with **Ø 5 mm sheath** and **handle w/o ratchet**

Mirco Scissors

Curved, single-action, Ø 5 mm, 6 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1346XPI
•			•	13-1346XPI-45
	•	•		13-1346CSI
	•		•	13-1346CSI-45

Recommended use with Ø 5 mm sheath and handle w/o ratchet

Hook Scissors

Single-action, Ø 5 mm, 9 mm Jaw Length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1431XPI
•			•	13-1431XPI-45
	•	•		13-1431CSI
	•		•	13-1431CSI-45

Recommended use with Ø 5 mm sheath and handle w/o ratchet

Peritoneal Scissors

Blunt tips, single-action, Ø 5 mm, 10 mm Jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1650XPI
•			•	13-1650XPI-45
	•	•		13-1650CSI
	•		•	13-1650CSI-45

Recommended use with Ø 5 mm sheath and handle w/o ratchet

Fenestrated Grasping Forceps

Micro jaws, double-action, Ø 5 mm, 14 mm jaw length

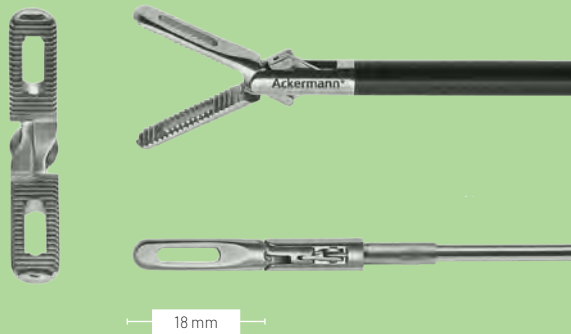


Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1379XPI
•			•	13-1379XPI-45
	•	•		13-1379CSI
	•		•	13-1379CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Fenestrated Grasping Forceps

Slightly flat jaws, double-action, Ø 5 mm, 18 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1301XPI
•			•	13-1301XPI-45
	•	•		13-1301CSI
	•		•	13-1301CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Fenestrated Grasping Forceps

5 x 20 mm, round, cross serrations, double-action, Ø 5 mm, 21 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1382XPI
•			•	13-1382XPI-45
	•	•		13-1382CSI
	•		•	13-1382CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Endoscopic Clinch Grasping Forceps

Extremely atraumatic serrated, double-action, Ø 5 mm, 22 mm jaw length

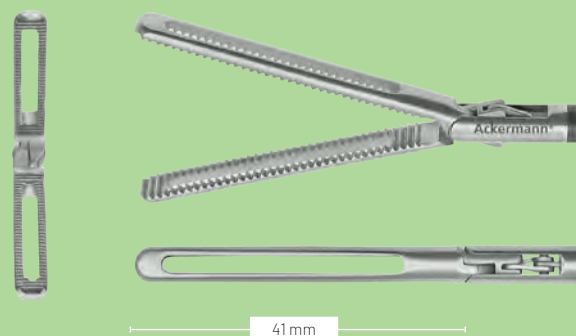


Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1323XPI
•			•	13-1323XPI-45
	•	•		13-1323CSI
	•		•	13-1323CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Fenestrated Clamp

Double-action, Ø 5 mm, 41 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1343XPI
•			•	13-1343XPI-45
	•	•		13-1343CSI
	•		•	13-1343CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Hunter Grasping Forceps

Fenestrated, double-action, Ø 5 mm, 23 mm jaw length

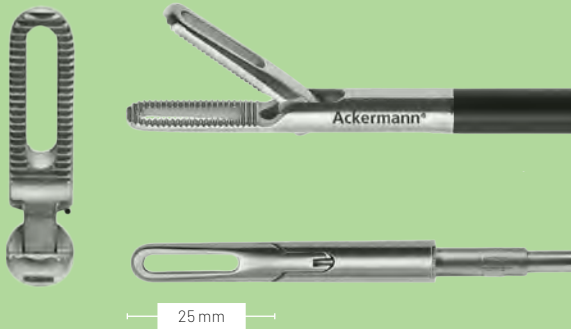


Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1571XPI
•			•	13-1571XPI-45
	•	•		13-1571CSI
	•		•	13-1571CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Johan Grasping Forceps

Slightly flat jaws, single-action, Ø 5 mm, 17 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1311XPI
•			•	13-1311XPI-45
	•	•		13-1311CSI
	•		•	13-1311CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Johan Grasping Forceps

Slightly flat jaws, single-action, Ø 5 mm, 25 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1312XPI
•			•	13-1312XPI-45
	•	•		13-1312CSI
	•		•	13-1312CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Johan Grasping Forceps

Slightly flat jaws, single-action, Ø 5 mm, 39 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1313XPI
•			•	13-1313XPI-45
	•	•		13-1313CSI
	•		•	13-1313CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Croce Olmi Grasping Forceps

Serrated, double-fenestrated, curved upwards, single-action, Ø 5 mm, 25 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1353XPI
•			•	13-1353XPI-45
	•	•		13-1353CSI
	•		•	13-1353CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Tumor Grasping Forceps

Blunt end, double-action, Ø 5 mm, 17 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1300XPI
•			•	13-1300XPI-45
	•	•		13-1300CSI
	•		•	13-1300CSI-45

Recommended use with Ø 5 mm sheath and handle w/o ratchet

Grasping Forceps

Atraumatic serrated, double-action, Ø 5 mm, 27 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1377XPI
•			•	13-1377XPI-45
	•	•		13-1377CSI
	•		•	13-1377CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Maxi Fundus Grasping Forceps

Maximized grip, double-action, Ø 5 mm, **18 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1302XPI
•			•	13-1302XPI-45
	•	•		13-1302CSI
	•		•	13-1302CSI-45

Recommended use with **Ø 5 mm sheath** and **handle with ratchet**

Strong Grasping Forceps

Double-action, Ø 5 mm, **13 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1303XPI
•			•	13-1303XPI-45
	•	•		13-1303CSI
	•		•	13-1303CSI-45

Recommended use with **Ø 5 mm sheath** and **handle with ratchet**

Strong Grasping Forceps

Single-action, Ø 5 mm, **14 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1600XPI
•			•	13-1600XPI-45
	•	•		13-1600CSI
	•		•	13-1600CSI-45

Recommended use with **Ø 5 mm sheath** and **handle with ratchet**

Alligator Grasping Forceps

Double-action, Ø 5 mm, 13 mm jaw length

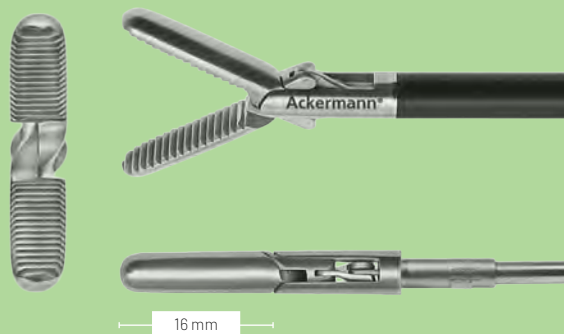


Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1330XPI
•			•	13-1330XPI-45
	•	•		13-1330CSI
	•		•	13-1330CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Standard Grasping Forceps

Cross serrated, double-action, Ø 5 mm, 16 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1354XPI
•			•	13-1354XPI-45
	•	•		13-1354CSI
	•		•	13-1354CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Reddick Grasping Forceps

Double-action, Ø 5 mm, 18 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1335XPI
•			•	13-1335XPI-45
	•	•		13-1335CSI
	•		•	13-1335CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Duckbill Grasping Forceps

Cross serrated, double-action, Ø 5 mm, **13 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1421XPI
•			•	13-1421XPI-45
	•	•		13-1421CSI
	•		•	13-1421CSI-45

Recommended use with **Ø 5 mm sheath** and **handle with ratchet**

Grasping Forceps

Rounded jaws, double-action, Ø 5 mm, **15 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1305XPI
•			•	13-1305XPI-45
	•	•		13-1305CSI
	•		•	13-1305CSI-45

Recommended use with **Ø 5 mm sheath** and **handle with ratchet**

Grasping Forceps

With spoon, double-action, Ø 5 mm, **15 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1310XPI
•			•	13-1310XPI-45
	•	•		13-1310CSI
	•		•	13-1310CSI-45

Recommended use with **Ø 5 mm sheath** and **handle w/o ratchet**

Grasping Forceps

Rounded jaws, double-action, Ø 10 mm, 23 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1378XPI
•			•	13-1378XPI-45
	•	•		13-1378CSI
	•		•	13-1378CSI-45

Recommended use with Ø 10 mm sheath and handle w/o ratchet

Grasping Forceps

With spoon, pointed, double-action, Ø 5 mm, 13 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1315XPI
•			•	13-1315XPI-45
	•	•		13-1315CSI
	•		•	13-1315CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Dolphin Nose Grasping Forceps

Short version, double-action, Ø 5 mm, 17 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1409XPI
•			•	13-1409XPI-45
	•	•		13-1409CSI
	•		•	13-1409CSI-45

Recommended use with Ø 5 mm sheath and handle w/o ratchet

Dolphin Nose Grasping Forceps

Long version, double-action, Ø 5 mm, 23 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1416XPI
•			•	13-1416XPI-45
	•	•		13-1416CSI
	•		•	13-1416CSI-45

Recommended use with Ø 5 mm sheath and handle w/o ratchet

Kocher Grasping Forceps

1 x 2 teeth, single-action, Ø 5 mm, 16 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1316XPI
•			•	13-1316XPI-45
	•	•		13-1316CSI
	•		•	13-1316CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Strong Atraumatic Clamp

Curved, double-action, Ø 10 mm, 40 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1324XPI
•			•	13-1324XPI-45
	•	•		13-1324CSI
	•		•	13-1324CSI-45

Recommended use with Ø 10 mm sheath and handle with ratchet

Strong Atraumatic Clamp

Straight, double-action, Ø 10 mm, 40 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1327XPI
•			•	13-1327XPI-45
	•	•		13-1327CSI
	•		•	13-1327CSI-45

Recommended use with Ø 10 mm sheath and handle with ratchet

Atraumatic Grasping Forceps

Single-action, Ø 5 mm, 19 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1325XPI
•			•	13-1325XPI-45
	•	•		13-1325CSI
	•		•	13-1325CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Atraumatic Grasping Forceps

Diamond serrations, double-action, Ø 5 mm, 22 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1413XPI
•			•	13-1413XPI-45
	•	•		13-1413CSI
	•		•	13-1413CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Atraumatic Grasping Forceps

Diamond serrations, curved to tip, double-action, Ø 5 mm, **22 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1414XPI
•			•	13-1414XPI-45
	•	•		13-1414CSI
	•		•	13-1414CSI-45

Recommended use with **Ø 5 mm sheath** and **handle with ratchet**

Manhes Grasping Forceps

Sharp, atraumatic, single-action, Ø 5 mm, **13 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1326XPI
•			•	13-1326XPI-45
	•	•		13-1326CSI
	•		•	13-1326CSI-45

Recommended use with **Ø 5 mm sheath** and **handle with ratchet**

Allis Grasping Forceps

TC inserted jaws, atraumatic, double-action, Ø 5 mm, **32 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1329XPI
•			•	13-1329XPI-45
	•	•		13-1329CSI
	•		•	13-1329CSI-45

Recommended use with **Ø 5 mm sheath** and **handle with ratchet**

Allis Grasping Forceps

Rounded version, double-action, Ø 5 mm, **36 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1337XPI
•			•	13-1337XPI-45
	•	•		13-1337CSI
	•		•	13-1337CSI-45

Recommended use with **Ø 5 mm sheath** and **handle with ratchet**

Allis Grasping Forceps

Short version, single-action, Ø 5 mm, **15 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1350XPI
•			•	13-1350XPI-45
	•	•		13-1350CSI
	•		•	13-1350CSI-45

Recommended use with **Ø 5 mm sheath** and **handle with ratchet**

Allis Grasping Forceps

Atraumatic, 3 x 4 teeth, double-action, Ø 5 mm, **13 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1418XPI
•			•	13-1418XPI-45
	•	•		13-1418CSI
	•		•	13-1418CSI-45

Recommended use with **Ø 5 mm sheath** and **handle with ratchet**

Allis Grasping Forceps

Fine axial serrations, double-action, Ø 5 mm, **34 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1515XPI
•			•	13-1515XPI-45
	•	•		13-1515CSI
	•		•	13-1515CSI-45

Recommended use with **Ø 5 mm sheath** and **handle with ratchet**

Allis Grasping Forceps

Fine axial serrations, double-action, Ø 10 mm, **34 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1510XPI
•			•	13-1510XPI-45
	•	•		13-1510CSI
	•		•	13-1510CSI-45

Recommended use with **Ø 10 mm sheath** and **handle with ratchet**

TC Allis Grasping Forceps

Diamond serrations, double-action, Ø 10 mm, **39 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1530XPI
•			•	13-1530XPI-45
	•	•		13-1530CSI
	•		•	13-1530CSI-45

Recommended use with **Ø 10 mm sheath** and **handle with ratchet**

TC Allis Grasping Forceps

Diamond serrations, double-action, Ø 5 mm, **39 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1535XPI
•			•	13-1535XPI-45
	•	•		13-1535CSI
	•		•	13-1535CSI-45

Recommended use with **Ø 5 mm sheath** and **handle with ratchet**

T-Shaped Grasping Forceps

Double-action, Ø 10 mm, **33 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1339XPI
•			•	13-1339XPI-45
	•	•		13-1339CSI
	•		•	13-1339CSI-45

Recommended use with **Ø 10 mm sheath** and **handle with ratchet**

T-Shaped Grasping Forceps

Atraumatic, TC inserted jaws, double-action, Ø 10 mm, **35 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1328XPI
•			•	13-1328XPI-45
	•	•		13-1328CSI
	•		•	13-1328CSI-45

Recommended use with **Ø 10 mm sheath** and **handle with ratchet**

T-Shaped Grasping Forceps

Atraumatic, TC inserted jaws, double-action, Ø 10 mm, **35 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1342XPI
•			•	13-1342XPI-45
	•	•		13-1342CSI
	•		•	13-1342CSI-45

Recommended use with **Ø 10 mm sheath** and **handle with ratchet**

De Bakey Grasping Forceps

Atraumatic serrations, double-action, Ø 10 mm, **34 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1520XPI
•			•	13-1520XPI-45
	•	•		13-1520CSI
	•		•	13-1520CSI-45

Recommended use with **Ø 10 mm sheath** and **handle with ratchet**

De Bakey Grasping Forceps

Atraumatic inner teeth, double-action, Ø 5 mm, **34 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1525XPI
•			•	13-1525XPI-45
	•	•		13-1525CSI
	•		•	13-1525CSI-45

Recommended use with **Ø 5 mm sheath** and **handle with ratchet**

Babcock Grasping Forceps

Atraumatic serrated, TC jaws, double-action, Ø 10 mm, 29 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1331XPI
•			•	13-1331XPI-45
	•	•		13-1331CSI
	•		•	13-1331CSI-45

Recommended use with Ø 10 mm sheath and handle with ratchet

Babcock Grasping Forceps

Double-action, Ø 10 mm, 29 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1341XPI
•			•	13-1341XPI-45
	•	•		13-1341CSI
	•		•	13-1341CSI-45

Recommended use with Ø 10 mm sheath and handle with ratchet

Babcock Grasping Forceps

Serrated, double-action, Ø 10 mm, 29 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1540XPI
•			•	13-1540XPI-45
	•	•		13-1540CSI
	•		•	13-1540CSI-45

Recommended use with Ø 10 mm sheath and handle with ratchet

Babcock Grasping Forceps

Double-action, Ø 5 mm, 31 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1541XPI
•			•	13-1541XPI-45
	•	•		13-1541CSI
	•		•	13-1541CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Babcock - De Bakey Grasping Forceps

Atraumatic inner teeth, single-action, Ø 5 mm, 31 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1542XPI
•			•	13-1542XPI-45
	•	•		13-1542CSI
	•		•	13-1542CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Babcock Grasping Forceps

Short version, for delicate applications, double-action, Ø 5 mm, 18 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1543XPI
•			•	13-1543XPI-45
	•	•		13-1543CSI
	•		•	13-1543CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

US Backcock Grasping Forceps

Spring tension, flexible, atraumatic, double-action, Ø 10 mm, **13 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1544XPI
•			•	13-1544XPI-45
	•	•		13-1544CSI
	•		•	13-1544CSI-45

Recommended use with **Ø 10 mm sheath** and **handle with ratchet**

Babcock - De Bakey Grasping Forceps

Atraumatic serrations, double-action, Ø 10 mm, **29 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1545XPI
•			•	13-1545XPI-45
	•	•		13-1545CSI
	•		•	13-1545CSI-45

Recommended use with **Ø 10 mm sheath** and **handle with ratchet**

Duval Grasping Forceps

Fine axial serrations, double-action, Ø 10 mm, **34 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1580XPI
•			•	13-1580XPI-45
	•	•		13-1580CSI
	•		•	13-1580CSI-45

Recommended use with **Ø 10 mm sheath** and **handle with ratchet**

TC Collin Grasping Forceps

Double-action, Ø 10 mm, 31 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1585XPI
•			•	13-1585XPI-45
	•	•		13-1585CSI
	•		•	13-1585CSI-45

Recommended use with Ø 10 mm sheath and handle with ratchet

Strong Grasping Forceps

Serrated, double-action, Ø 5 mm, 38 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1332XPI
•			•	13-1332XPI-45
	•	•		13-1332CSI
	•		•	13-1332CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Wave Grasping Forceps DG

Atraumatic wavelike serrations, double-action, Ø 5 mm, 23 mm jaw length

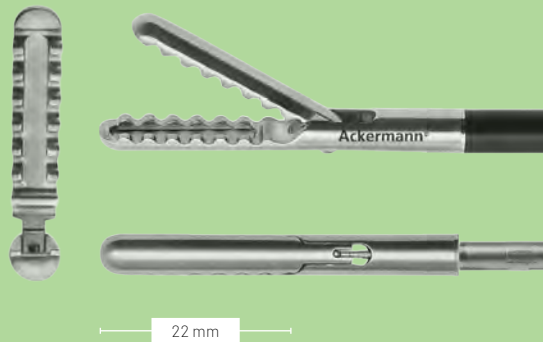


Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1375XPI
•			•	13-1375XPI-45
	•	•		13-1375CSI
	•		•	13-1375CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Wave Grasping Forceps DG

Atraumatic wavelike serrations, single-action, Ø 5 mm, 22 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1381XPI
•			•	13-1381XPI-45
	•	•		13-1381CSI
	•		•	13-1381CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Retraction Forceps

Atraumatic inner teeth, single-action, Ø 5 mm, 23 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1380XPI
•			•	13-1380XPI-45
	•	•		13-1380CSI
	•		•	13-1380CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Cobra Grasping Forceps

Serrated, double-action, Ø 5 mm, 13 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1417XPI
•			•	13-1417XPI-45
	•	•		13-1417CSI
	•		•	13-1417CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Wave Grasping Forceps

Pointed version, conical, single-action, Ø 5 mm, 14 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1546XPI
•			•	13-1546XPI-45
	•	•		13-1546CSI
	•		•	13-1546CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Wave Grasping Forceps

Pointed version, flat, single-action, Ø 5 mm, 14 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1547XPI
•			•	13-1547XPI-45
	•	•		13-1547CSI
	•		•	13-1547CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Wave Grasping Forceps

Wide version, single-action, Ø 5 mm, 14 mm jaw length

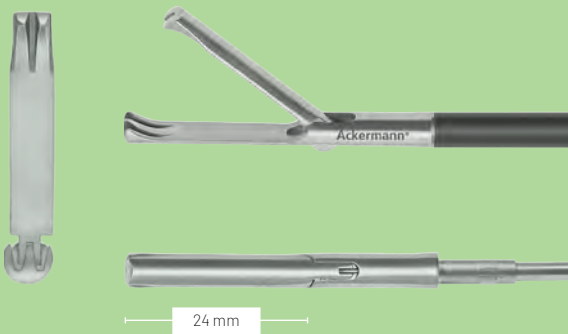


Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1548XPI
•			•	13-1548XPI-45
	•	•		13-1548CSI
	•		•	13-1548CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Claw Forceps

Traumatic jaws, single-action, Ø 5 mm, 24 mm jaw length

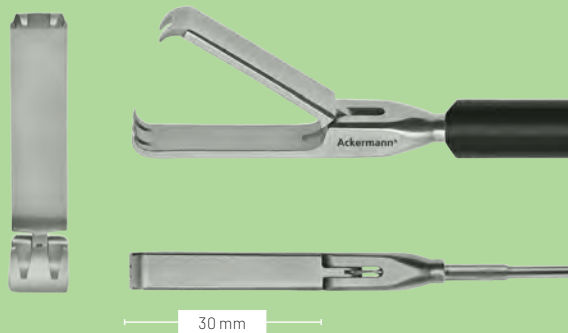


Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1606XPI
•			•	13-1606XPI-45
	•	•		13-1606CSI
	•		•	13-1606CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Claw Forceps

Traumatic jaws, single-action, Ø 10 mm, 30 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1605XPI
•			•	13-1605XPI-45
	•	•		13-1605CSI
	•		•	13-1605CSI-45

Recommended use with Ø 10 mm sheath and handle with ratchet

Tenaculum Grasping Forceps

1 x 1 sharp teeth, double-action, Ø 10 mm, 28 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1536XPI
•			•	13-1536XPI-45
	•	•		13-1536CSI
	•		•	13-1536CSI-45

Recommended use with Ø 10 mm sheath and handle with ratchet

Tenaculum Grasping Forceps

1x1 sharp teeth, double-action, Ø 5 mm, **28 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1537XPI
•			•	13-1537XPI-45
	•	•		13-1537CSI
	•		•	13-1537CSI-45

Recommended use with **Ø 5 mm sheath** and **handle with ratchet**

Mixer Grasping Forceps

Cross serrated, double-action, Ø 5 mm, **18 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1333XPI
•			•	13-1333XPI-45
	•	•		13-1333CSI
	•		•	13-1333CSI-45

Recommended use with **Ø 5 mm sheath** and **handle w/o ratchet**

Mixer Clamp

45° angled, double-action, Ø 10 mm, **24 mm jaw length**

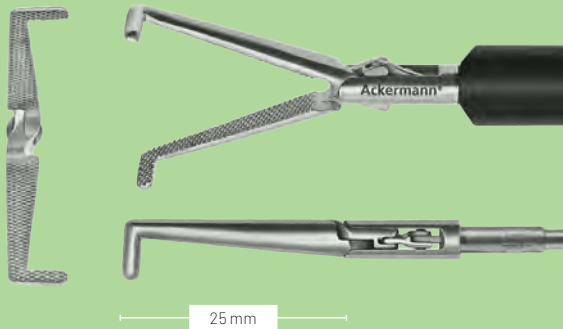


Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1334XPI
•			•	13-1334XPI-45
	•	•		13-1334CSI
	•		•	13-1334CSI-45

Recommended use with **Ø 10 mm sheath** and **handle w/o ratchet**

Mixer Clamp

90° angled, double-action, Ø 10 mm, 25 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1336XPI
•			•	13-1336XPI-45
	•	•		13-1336CSI
	•		•	13-1336CSI-45

Recommended use with Ø 10 mm sheath and handle w/o ratchet

Mixer Clamp

90° angled, double-action, Ø 5 mm, 26 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1376XPI
•			•	13-1376XPI-45
	•	•		13-1376CSI
	•		•	13-1376CSI-45

Recommended use with Ø 5 mm sheath and handle w/o ratchet

Glassmann Grasping Forceps

Atraumatic jaws, double-action, Ø 5 mm, 40 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1338XPI
•			•	13-1338XPI-45
	•	•		13-1338CSI
	•		•	13-1338CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Kocher Grasping Forceps

Axial serrations, double-action, Ø 10 mm, **45 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1550XPI
•			•	13-1550XPI-45
	•	•		13-1550CSI
	•		•	13-1550CSI-45

Recommended use with **Ø 10 mm sheath** and **handle with ratchet**

Kocher Grasping Forceps

Axial serrations, double-action, Ø 10 mm, **61 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1555XPI
•			•	13-1555XPI-45
	•	•		13-1555CSI
	•		•	13-1555CSI-45

Recommended use with **Ø 10 mm sheath** and **handle with ratchet**

De Bakey Grasping Forceps

Double-action, Ø 10 mm, **45 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1560XPI
•			•	13-1560XPI-45
	•	•		13-1560CSI
	•		•	13-1560CSI-45

Recommended use with **Ø 10 mm sheath** and **handle with ratchet**

De Bakey Grasping Forceps

Long version, double-action, Ø 10 mm, 60 mm jaw length

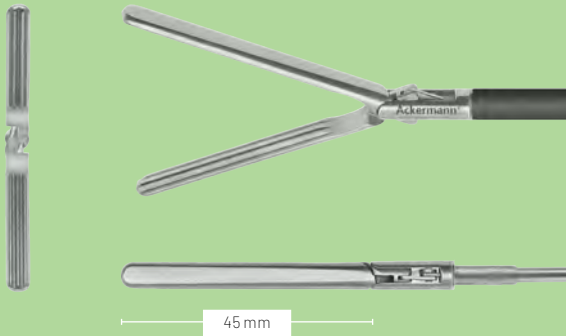


Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1565XPI
•			•	13-1565XPI-45
	•	•		13-1565CSI
	•		•	13-1565CSI-45

Recommended use with Ø 10 mm sheath and handle with ratchet

De Bakey Grasping Forceps

Double-action, Ø 5 mm, 45 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1570XPI
•			•	13-1570XPI-45
	•	•		13-1570CSI
	•		•	13-1570CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Dissecting Forceps

Strong curved, serrated, double-action, Ø 5 mm, for use with 11 mm trocar, 19 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-0530XPI
•			•	13-0530XPI-45
	•	•		13-0530CSI
	•		•	13-0530CSI-45

Recommended use with Ø 10 mm sheath and handle w/o ratchet

Dissecting Forceps

Soft curved, serrated, single-action, Ø 5 mm, for use with 11 mm trocar, **11 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1304XPI
•			•	13-1304XPI-45
	•	•		13-1304CSI
	•		•	13-1304CSI-45

Recommended use with **Ø 10 mm sheath** and **handle w/o ratchet**

Dissecting Forceps

Strong curved, serrated, single-action, Ø 5 mm, **11 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1306XPI
•			•	13-1306XPI-45
	•	•		13-1306CSI
	•		•	13-1306CSI-45

Recommended use with **Ø 5 mm sheath** and **handle w/o ratchet**

Dissecting Forceps

Straight, delicate serrated, single-action, Ø 5 mm, **11 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1307XPI
•			•	13-1307XPI-45
	•	•		13-1307CSI
	•		•	13-1307CSI-45

Recommended use with **Ø 5 mm sheath** and **handle w/o ratchet**

Dissecting Forceps

Curved, delicate serrated, single-action, Ø 5 mm, 9 mm jaw length

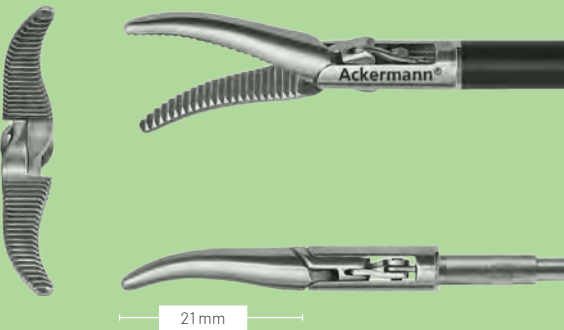


Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1308XPI
•			•	13-1308XPI-45
	•	•		13-1308CSI
	•		•	13-1308CSI-45

Recommended use with Ø 5 mm sheath and handle w/o ratchet

Maryland Dissecting Forceps

Double-action, Ø 5 mm, 21 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1318XPI
•			•	13-1318XPI-45
	•	•		13-1318CSI
	•		•	13-1318CSI-45

Recommended use with Ø 5 mm sheath and handle w/o ratchet

Maryland Dissecting Forceps

Double-action, Ø 10 mm, 21 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1340XPI
•			•	13-1340XPI-45
	•	•		13-1340CSI
	•		•	13-1340CSI-45

Recommended use with Ø 10 mm sheath and handle w/o ratchet

Maryland Dissecting Forceps

Soft curved, offset, double-action, Ø 5 mm, **17 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1322XPI
•			•	13-1322XPI-45
	•	•		13-1322CSI
	•		•	13-1322CSI-45

Recommended use with **Ø 5 mm sheath** and **handle w/o ratchet**

Maryland Dissecting Forceps

Diamond-serrated, double-action, Ø 10 mm, **25 mm jaw length**

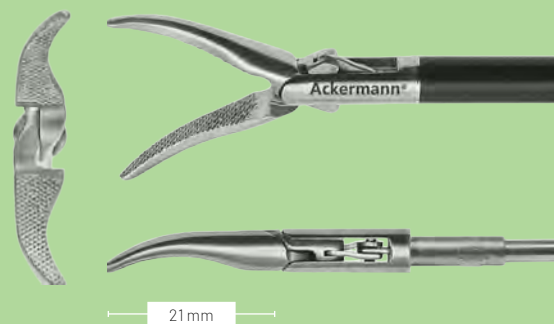


Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1411XPI
•			•	13-1411XPI-45
	•	•		13-1411CSI
	•		•	13-1411CSI-45

Recommended use with **Ø 10 mm sheath** and **handle w/o ratchet**

Maryland Dissecting Forceps

Diamond-serrated, double-action, Ø 5 mm, **21 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1412XPI
•			•	13-1412XPI-45
	•	•		13-1412CSI
	•		•	13-1412CSI-45

Recommended use with **Ø 5 mm sheath** and **handle w/o ratchet**

Maryland - De Bakey Forceps

Curved, atraumatic, double-action, Ø 5 mm, **33 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1317XPI
•			•	13-1317XPI-45
	•	•		13-1317CSI
	•		•	13-1317CSI-45

Recommended use with **Ø 5 mm sheath** and **handle w/o ratchet**

Fenestrated Dissecting Forceps

Double-action, Ø 5 mm, **15 mm jaw length**



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1345XPI
•			•	13-1345XPI-45
	•	•		13-1345CSI
	•		•	13-1345CSI-45

Recommended use with **Ø 5 mm sheath** and **handle w/o ratchet**

Kelly Dissecting Forceps

Double-action, Ø 5 mm, **15 mm jaw length**

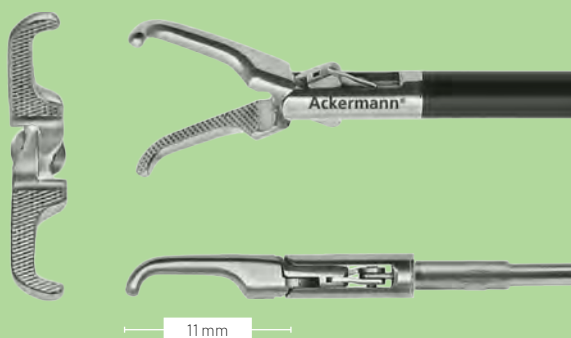


Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1419XPI
•			•	13-1419XPI-45
	•	•		13-1419CSI
	•		•	13-1419CSI-45

Recommended use with **Ø 5 mm sheath** and **handle w/o ratchet**

Dissecting Forceps

Delicate, angled, double-action, Ø 5 mm, 18 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1422XPI
•			•	13-1422XPI-45
	•	•		13-1422CSI
	•		•	13-1422CSI-45

Recommended use with Ø 5 mm sheath and handle w/o ratchet

Needleholder

Cross-serrated, single-action, Ø 5 mm, 9 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1347XPI
•			•	13-1347XPI-45
	•	•		13-1347CSI
	•		•	13-1347CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Needleholder

Cross-serrated, single-action, Ø 5 mm, 7 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1348XPI
•			•	13-1348XPI-45
	•	•		13-1348CSI
	•		•	13-1348CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Needleholder

Diamond serrated, blunt, single-action, Ø 5 mm, 13 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1349XPI
•			•	13-1349XPI-45
	•	•		13-1349CSI
	•		•	13-1349CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Needleholder

TC inserts, pointed version, single-action, Ø 5 mm, 13 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1351XPI
•			•	13-1351XPI-45
	•	•		13-1351CSI
	•		•	13-1351CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Needleholder

Pointed version, single-action, Ø 5 mm, 12 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1590XPI
•			•	13-1590XPI-45
	•	•		13-1590CSI
	•		•	13-1590CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Needleholder

Pointed version, single-action, Ø 5 mm, 10 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1595XPI
•			•	13-1595XPI-45
	•	•		13-1595CSI
	•		•	13-1595CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Biopsy Punch

Single-action, Ø 5 mm, 11 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1470XPI
•			•	13-1470XPI-45
	•	•		13-1470CSI
	•		•	13-1470CSI-45

Recommended use with Ø 5 mm sheath and handle w/o ratchet

Biopsy Punch

With spike, single-action, Ø 5 mm, 11 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1475XPI
•			•	13-1475XPI-45
	•	•		13-1475CSI
	•		•	13-1475CSI-45

Recommended use with Ø 5 mm sheath and handle with ratchet

Biopsy Punch

Hook style, single-action, Ø 5 mm, 12 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1480XPI
•			•	13-1480XPI-45
	•	•		13-1480CSI
	•		•	13-1480CSI-45

Recommended use with Ø 5 mm sheath and handle w/o ratchet

Biopsy Spoon

Single-action, Ø 5 mm, 10 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		11-1645XPI
•			•	11-1645XPI-45
	•	•		11-1645CSI
	•		•	11-1645CSI-45

Recommended use with Ø 5 mm sheath and handle w/o ratchet

Biopsy Spoon

Double-action, Ø 5 mm, 10 mm jaw length

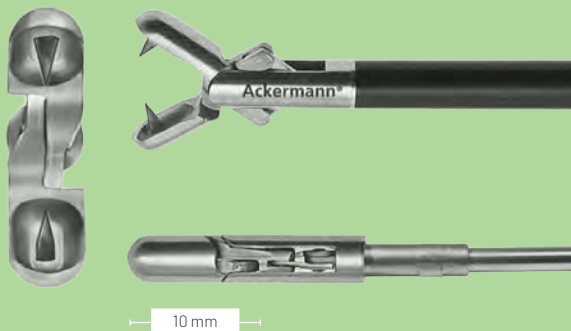


Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1485XPI
•			•	13-1485XPI-45
	•	•		13-1485CSI
	•		•	13-1485CSI-45

Recommended use with Ø 5 mm sheath and handle w/o ratchet

Biopsy Spoon

With spike, double-action, Ø 5 mm, 10 mm jaw length

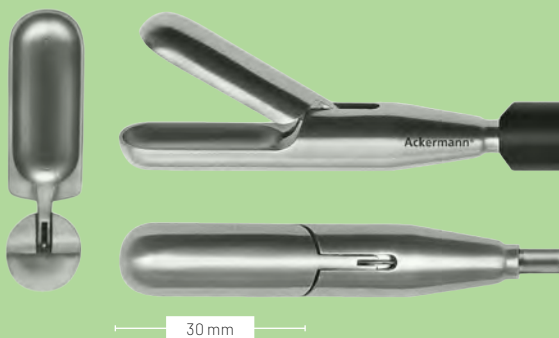


Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1490XPI
•			•	13-1490XPI-45
	•	•		13-1490CSI
	•		•	13-1490CSI-45

Recommended use with Ø 5 mm sheath and handle w/o ratchet

Biopsy Spoon Forceps

Large version, single-action, Ø 10 mm, 30 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1660XPI
•			•	13-1660XPI-45
	•	•		13-1660CSI
	•		•	13-1660CSI-45

Recommended use with Ø 10 mm sheath and handle w/o ratchet

Blakesley Dissecting & Biopsy Forceps

Fenestrated, single-action, Ø 5 mm, 14 mm jaw length



Line		Length		Item no.
XPress Lock™	System CS™	330 mm	450 mm	
•		•		13-1388XPI
•			•	13-1388XPI-45
	•	•		13-1388CSI
	•		•	13-1388CSI-45

Recommended use with Ø 5 mm sheath and handle w/o ratchet



Miniature XPress Lock™ Line

Key Features

- Reliable **quick-lock mechanism** for one-click assembly and disassembly
- Two-piece instrument line for **increased stability and durability** fully compatible with all **XPress Lock™ handles**
- Industry-leading **small diameter of only 2.9 mm** for reduced trauma
- **Complete array** of instrument patterns and jaw designs, including **Mini Ceramix Cut™** coated scissors



... more Features

- Integrated flush port for fast and convenient reprocessing
- Available in working lengths of 200 and 360 mm
- Fully autoclavable
- 360° rotatable with audible and tactile feedback



MINI LAP

Miniature Metzenbaum Scissors

Straight, double-action, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™	•	•	23-3005XPI-20
•		•	23-3005XPI

Recommended use with **handle w/o ratchet**

MINI LAP

Miniature Metzenbaum Scissors

Serrated, curved, double-action, Ø 2.9 mm



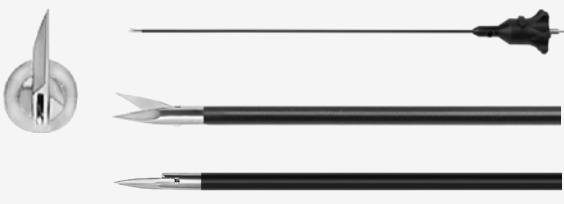
Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™	•	•	23-3010XPI-20
•		•	23-3010XPI

Recommended use with **handle w/o ratchet**

MINI LAP

Miniature Scissors

Pointed, single-action, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™	•	•	23-3007XPI-20
•		•	23-3007XPI

Recommended use with **handle w/o ratchet**

MINI LAP

Miniature Metzenbaum Scissors

Curved, double-action, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™	•	•	23-3000XPI-20
•	•	•	23-3000XPI

Recommended use with **handle w/o ratchet**

MINI LAP

Miniature Hook Scissors

Single-action, Ø 2.9 mm



Line		Length		Item no.
XPress Lock™	System CS™	200 mm	360 mm	
•	•	•	•	23-3001XPI-20
•	•	•	•	23-3001XPI

Recommended use with **handle w/o ratchet**

MINI LAP

Miniature Bowel Grasping Forceps

Fenestrated, double-action, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™	•	•	23-3082XPI-20
•	•	•	23-3082XPI

Recommended use with **handle with ratchet**

MINI LAP **Miniature Grasping Forceps**

Fenestrated, single-action, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™			
•	•		23-3089XPI-20
•		•	23-3089XPI

Recommended use with **handle with ratchet**

MINI LAP **Miniature Pylorus Grasping Forceps**

Fenestrated, in- and outside serrated, double-action, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™			
•	•		23-3092XPI-20
•		•	23-3092XPI

Recommended use with **handle with ratchet**

MINI LAP **Miniature Johan Grasping Forceps**

Large fenestration, single-action, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™			
•	•		23-3088XPI-20
•		•	23-3088XPI

Recommended use with **handle with ratchet**

MINI LAP

Miniature Croce Olmi Grasping Forceps

Single-action, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™			
•	•		23-3017XPI-20
•		•	23-3017XPI

Recommended use with **handle with ratchet**

MINI LAP

Miniature Fundus Grasping Forceps

Double-action, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™			
•	•		23-3042XPI-20
•		•	23-3042XPI

Recommended use with **handle with ratchet**

MINI LAP

Miniature Grasping Forceps

Double-action, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™			
•	•		23-3015XPI-20
•		•	23-3015XPI

Recommended use with **handle with ratchet**

MINILAP Miniature Atraumatic Dissector

Slightly conical, double-action, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™	•	•	23-3030XPI-20
	•	•	23-3030XPI

Recommended use with **handle w/o ratchet**

MINILAP Miniature Dissector

Conical, cross-serrated, double-action, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™	•	•	23-3032XPI-20
	•	•	23-3032XPI

Recommended use with **handle w/o ratchet**

MINILAP Miniature Duckbill Grasping Forceps

Double-action, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™	•	•	23-3045XPI-20
	•	•	23-3045XPI

Recommended use with **handle w/o ratchet**

MINILAP

Miniature Rat Teeth Grasping Forceps

1x2 jaws, double-action, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™	•	•	23-3038XPI-20
•	•	•	23-3038XPI

Recommended use with **handle w/o ratchet**

MINILAP

Miniature Rat Teeth Grasping Forceps

1x2 jaws, single-action, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™	•	•	23-3039XPI-20
•	•	•	23-3039XPI

Recommended use with **handle w/o ratchet**

MINILAP

Miniature Maryland Grasping Forceps

Double-action, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™	•	•	23-3025XPI-20
•	•	•	23-3025XPI

Recommended use with **handle w/o ratchet**

MINI LAP Miniature Kelly Grasping Forceps

Double-action, long, 10 mm jaw length, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™			
•	•		23-3019XPI-20
•		•	23-3019XPI

Recommended use with **handle w/o ratchet**

MINI LAP Miniature Kelly Grasping Forceps

Double-action, short, 8 mm jaw length, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™			
•	•		23-3020XPI-20
•		•	23-3020XPI

Recommended use with **handle w/o ratchet**

MINI LAP Miniature Cobra Grasping Forceps

Heavily serrated, double, action, Ø 2.9 mm



Line	Length		Item no.
	330 mm	450 mm	
XPress Lock™			
•	•		23-3040XPI-20
•		•	23-3040XPI

Recommended use with **handle w/o ratchet**

MINI LAP

Miniature Allis Grasping Forceps

Single-action, Ø 2.9 mm



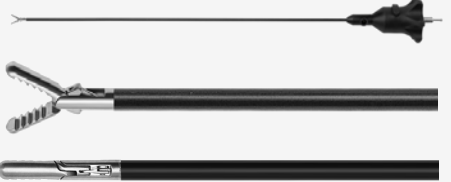
Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™	•	•	23-3041XPI-20
	•	•	23-3041XPI

Recommended use with **handle w/o ratchet**

MINI LAP

Miniature Grasping Forceps

Heavily serrated, double-action, Ø 2.9 mm



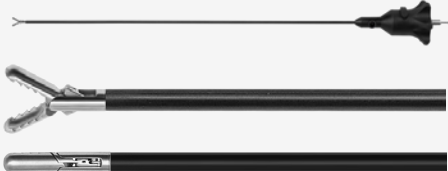
Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™	•	•	23-3035XPI-20
	•	•	23-3035XPI

Recommended use with **handle w/o ratchet**

MINI LAP

Miniature Alligator Grasping Forceps

Serrated, double-action, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™	•	•	23-3055XPI-20
	•	•	23-3055XPI

Recommended use with **handle w/o ratchet**

MINI LAP

Miniature Alligator Grasping Forceps

Serrated, single-action, Ø 2.9 mm



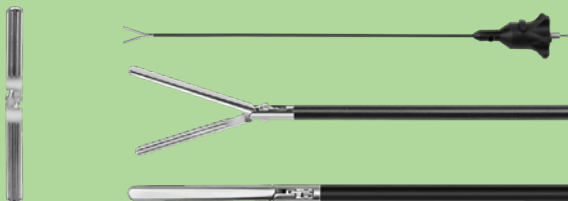
Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™	•	•	23-3056XPI-20
•		•	23-3056XPI

Recommended use with **handle w/o ratchet**

MINI LAP

Miniature De Bakey Grasping Forceps

Double-action, single-serration, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™	•	•	23-3094XPI-20
•		•	23-3094XPI

Recommended use with **handle w/o ratchet**

MINI LAP

Miniature Babcock Grasping Forceps

Double-action, Ø 2.9 mm



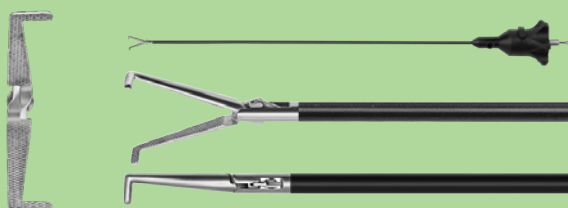
Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™	•	•	23-3093XPI-20
•		•	23-3093XPI

Recommended use with **handle w/o ratchet**

MINI LAP

Miniature Mixer Clamp

90° angled, double-action, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™			
•	•		23-3023XPI-20
•		•	23-3023XPI

Recommended use with **handle w/o ratchet**

MINI LAP

Miniature Claw Forceps

2x3 traumatic jaws, single-action, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™			
•	•		23-3037XPI-20
•		•	23-3037XPI

Recommended use with **handle w/o ratchet**

MINI LAP

Miniature Punch

Single-action, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™			
•	•		23-3002XPI-20
•		•	23-3002XPI

Recommended use with **handle w/o ratchet**

MINI LAP **Miniature Needleholder**

TC inserts, straight, single-action, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™	•	•	23-3026XPI-20
	•	•	23-3026XPI

Recommended use with **handle w/o ratchet**

MINI LAP **Miniature Needleholder**

Right-angled, single-action, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™	•	•	23-3027XPI-20
	•	•	23-3027XPI

Recommended use with **handle w/o ratchet**

MINI LAP **Miniature Needleholder**

Left-angled, single-action, Ø 3 mm



Line	Length		Item no.
	200 mm	360 mm	
XPress Lock™	•	•	23-3028XPI-20
	•	•	23-3028XPI

Recommended use with **handle w/o ratchet**

MINILAP

Miniature Biopsy Spoon

Double-action, Ø 2.9 mm



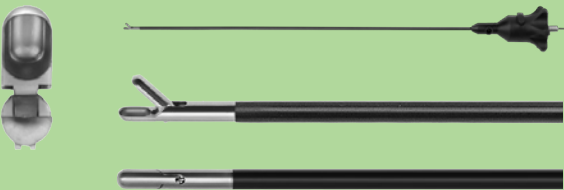
Line	Length		Item no.
	200 mm	360 mm	
XPressLock™			
•	•		23-3050XPI-20
•		•	23-3050XPI

Recommended use with **handle w/o ratchet**

MINILAP

Miniature Biopsy Spoon

Single-action, Ø 2.9 mm



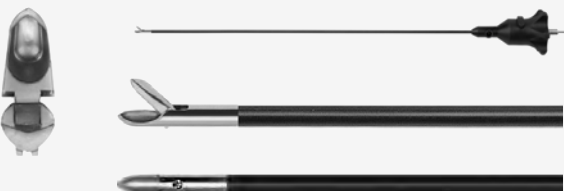
Line	Length		Item no.
	200 mm	360 mm	
XPressLock™			
•	•		23-3051XPI-20
•		•	23-3051XPI

Recommended use with **handle w/o ratchet**

MINILAP

Miniature Blakesley Dissecting & Biopsy Forceps

Fenestrated, single-action, Ø 2.9 mm



Line	Length		Item no.
	200 mm	360 mm	
XPressLock™			
•	•		23-3053XPI-20
•		•	23-3053XPI

Recommended use with **handle w/o ratchet**



Hybrid & Single-use Instruments

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Ti Line™ Hybrids

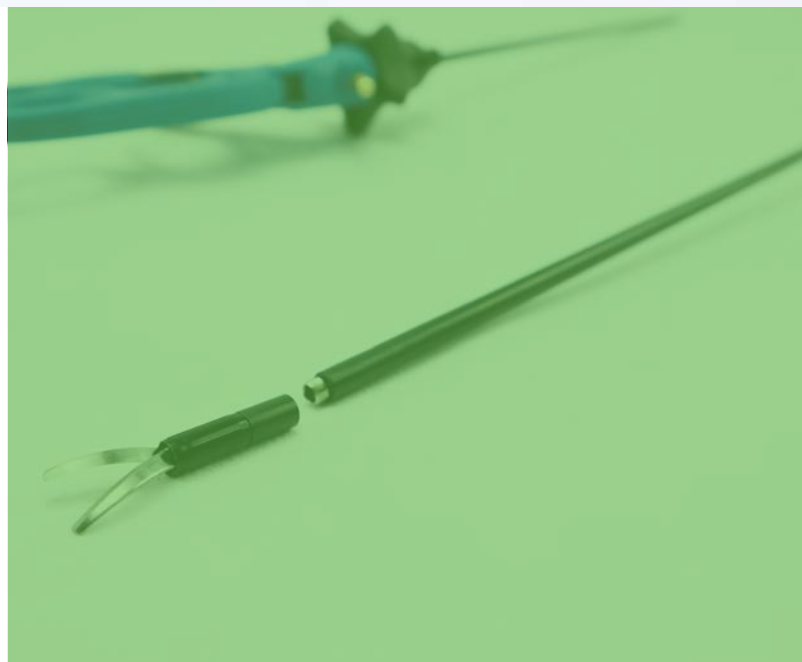
Key Features

- **Single-use instrument tip**, combined with a **reusable handle/sheath** assembly has proven to be very economically effective
- **Superior** in terms of **performance and haptics** to most other disposable lap instruments
- Tips with **extended insulation** in order to reduce the risk of alternate site burns and arching



... more Features

- 360° rotatability and exceptional tactility
- Special ball and socket coupling for easy, yet fast and safe assembly
- Full array of jaw patterns
- High-quality ergonomic handles, featuring flushing port and standardized HF-connection
- Available in 330 mm and 450 mm, also accommodating bariatric procedures
- Environmentally friendly



STERILE

Metzenbaum Scissors, Ti Line™ Tip

For Use with 13-1383TI-(45)EC / 13-1384TI-(45)EC



	Item no.
Single-use Metzenbaum scissors , Ti Line™ tip, curved, Ø 5 mm, UOM 10 pcs.	13-1469TI-EC

STERILE

Maryland, Ti Line™ Tip

For Use with 13-1383TI-(45)EC / 13-1384TI-(45)EC



	Item no.
Single-use Maryland grasping forceps , Ti Line™ tip, double-action, Ø 5 mm, UOM 10 pcs.	13-1318TI-EC

STERILE

Endoscopic Clinch, Ti Line™ Tip

For Use with 13-1383TI-(45)EC / 13-1384TI-(45)EC



	Item no.
Single-use Endoscopic Clinch grasping forceps , Ti Line™ tip, double-action, Ø 5 mm, UOM 10 pcs.	13-1323TI-EC

STERILE

Fenestrated Clamp, Ti Line™ Tip

For Use with 13-1383TI-(45)EC / 13-1384TI-(45)EC



Item no.

Single-use **fenestrated clamp**, Ti Line™ tip, double-action, Ø 5 mm, UOM 10 pcs.

13-1343TI-EC

STERILE

Miniature Metzenbaum Scissors, Ti Line™ Tip

For Use with 13-1383TI-(45)EC / 13-1384TI-(45)EC



Item no.

Single-use **miniature Metzenbaum scissors**, Ti Line™ tip, Ø 5 mm, UOM 10 pcs.

13-1468TI-EC

STERILE

Fenestrated Grasping Forceps, Ti Line™ Tip

For Use with 13-1383TI-(45)EC / 13-1384TI-(45)EC



Item no.

Single-use **fenestrated grasping forceps**, Ti Line™ tip, flat jaws, double-action, Ø 5 mm, UOM 10 pcs.

13-1301TI-EC

Ti Line™ Handle w/o Ratchet

For Use with Ti Line™ Tips



	Length		Item no.
	330 mm	450 mm	
Ti Line™ handle-sheath-assembly without ratchet, blue	•		13-1383TI-EC
Ti Line™ handle-sheath-assembly without ratchet, blue		•	13-1383TI-45EC

Ti Line™ Handle with Ratchet

For Use with Ti Line™ Tips



	Length		Item no.
	330 mm	450 mm	
Ti Line™ handle-sheath-assembly with ratchet, blue	•		13-1384TI-EC
Ti Line™ handle-sheath-assembly with ratchet, blue		•	13-1384TI-45EC

Future Lap™ Hybrids

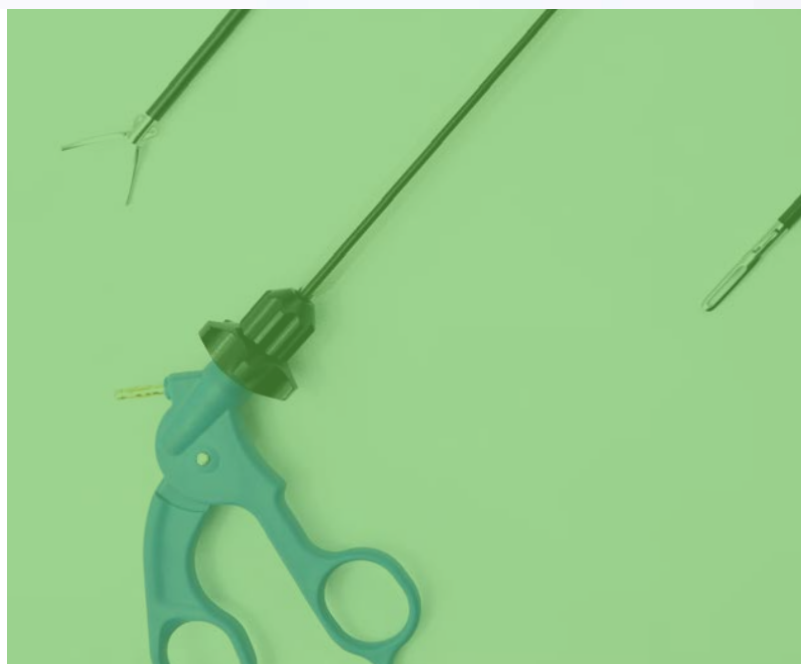
Key Features

- Combination of a sterile, **single-use sheath/tip** assembly and a fully **reusable handle**, also available in Ø 2.9 mm for Miniature Laparoscopy procedures
- Fully compatible with the System CS™ range of handles further **increasing versatility** and ability to customize
- **Risks can be radically reduced** by exchanging every component with immediate patient contact



... more Features

- Diameters of 3 mm and 5 mm
- Lengths of 330 and 450 mm on request
- Quick, easy and safe assembly due to ball-socket-locking between handle and sheath
- No cleaning and sterilization of the sheath necessary and degradation or even defectiveness of the insulation is almost impossible
- Future Lap™ provides the possibility of combining quality and efficiency, without having to compromise



STERILE

Metzenbaum Scissors, Future Lap™ Insert

For Use with System CS™ Handles



	Length		Item no.
	330 mm	450 mm	
Single-use Metzenbaum scissors , Future Lap™, curved, Ø 5 mm, UOM 10 pcs.	•		13-1466DDI
Single-use Metzenbaum scissors , Future Lap™, curved, Ø 5 mm, UOM 10 pcs.		•	13-1466DDI-45

STERILE

Miniature Metzenbaum Scissors, Future Lap™ Insert

For Use with System CS™ Handles



	Length		Item no.
	330 mm	450 mm	
Single-use mini Metzenbaum scissors , Future Lap™, Ø 5 mm, UOM 10 pcs.	•		13-1468DDI
Single-use mini Metzenbaum scissors , Future Lap™, Ø 5 mm, UOM 10 pcs.		•	13-1468DDI-45

STERILE

Endoscopic Clinch, Future Lap™ Insert

For Use with System CS™ Handles



	Length		Item no.
	330 mm	450 mm	
Single-use Endoscopic Clinch , Future Lap™, double-act., Ø 5 mm, UOM 10 pcs.	•		13-1323DDI
Single-use Endoscopic Clinch , Future Lap™, double-act., Ø 5 mm, UOM 10 pcs.		•	13-1323DDI-45

STERILE

Maryland, Future Lap™ Insert

For Use with System CS™ Handles



	Length		Item no.
	330 mm	450 mm	
Single-use Maryland , Future Lap™, double-act., Ø 5 mm, UOM 10 pcs.	•		13-1318DDI
Single-use Maryland , Future Lap™, double-act., Ø 5 mm, UOM 10 pcs.		•	13-1318DDI-45

STERILE

Fenestrated Grasping Forceps, Future Lap™ Insert

For Use with System CS™ Handles



	Length		Item no.
	330 mm	450 mm	
Single-use fenestr. grasp. , Future Lap™, flat jaws, d.-act., Ø 5 mm, UOM 10 pcs.	•		13-1301DDI
		•	13-1301DDI-45

MINI-LAP
STERILE

Miniature Metzenbaum Scissors, Future Lap™ Insert

For Use with System CS™ Handles



	Item no.
Miniature single-use Metzenbaum scissors , Future Lap™, curved, Ø 2.9 mm, 330 mm, UOM 10 pcs.	23-3000DDI

MINI LAP
STERILE

Miniature Maryland Grasper, Future Lap™ Insert

For Use with System CS™ Handles



Miniature single-use **Maryland grasping forceps**, Future Lap™, Ø 2.9 mm, 330 mm, UOM 10 pcs.

Item no.
23-3025DDI

MINI LAP
STERILE

Mini Fenestrated Grasping Forceps, Future Lap™ Insert

For Use with System CS™ Handles



Mini single-use **fenestr. grasp. forceps**, Future Lap™, flat jaws, d.-act., Ø 2.9 mm, 330 mm, UOM 10 pcs.

Item no.
23-3082DDI

System CS™ Handles

For Use with Future Lap™ Inserts / System CS™ Inserts and Sheaths

	Length		Item no.
	w/o ratchet	with universal ratchet	
System CS™ handle, blue	•		13-1367CS
System CS™ handle, blue		•	13-1384CS



Single-use Instruments

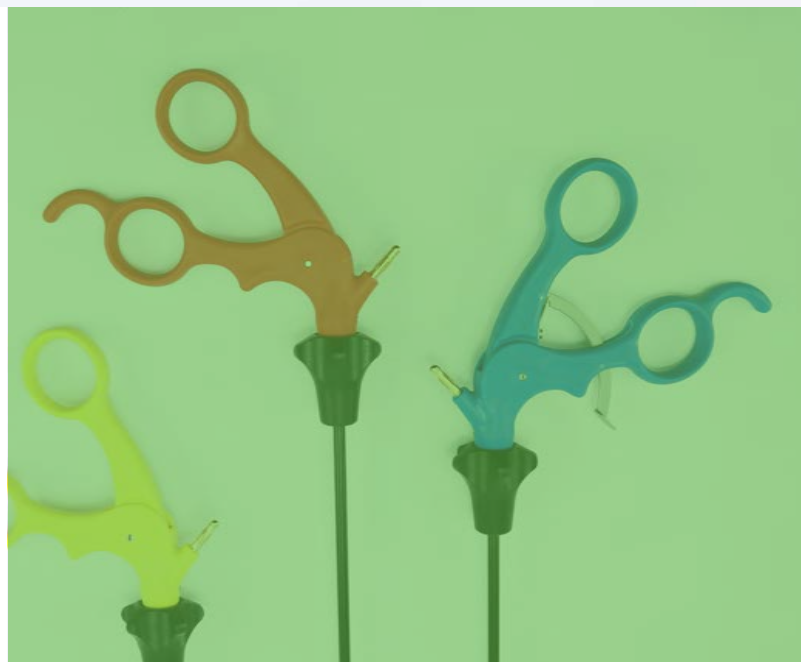
Key Features

- **One-piece** single-use instrumentation
- Reusable-like feel and performance
- **100%** made in Germany including **sterile packaging**



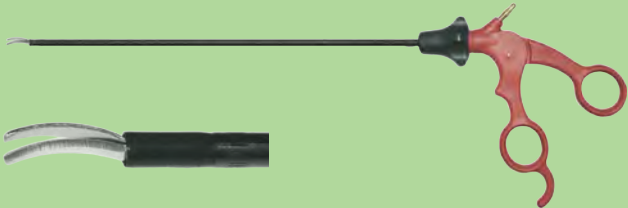
... more Features

- Solid colour-coded handles
- Standard length of 330 mm, other lengths and designs on request
- High-quality, ergonomic handle with HF-port
- Non-ratchet and ratchet handle available



STERILE

Metzenbaum, Single-use



	Colour coding	Item no.
Single-use Metzenbaum with HF-port, curved, Ø 5 mm, 330 mm, UOM 6 pcs.	●	13-1466DDRH

STERILE

Maryland, Single-use



	Length		Colour coding	Item no.
	330 mm	450 mm		
Single-use Maryland with HF-port, cross-serrated, Ø 5 mm, UOM 6 pcs.	●		●	13-1318DDRH
Single-use Maryland with HF-port, cross-serrated, Ø 5 mm, UOM 6 pcs.		●	●	13-1318DDRH-45

STERILE

Endoscopic Clinch, Single-use



	Handle		Length		Colour coding	Item no.
	330 mm	450 mm	w/o ratchet	with ratchet		
Single-use Endo Clinch, HF-port, Ø 5 mm, UOM 6 pcs.	●		●		●	13-1323DDRH
Single-use Endo Clinch, HF-port, Ø 5 mm, mm, UOM 6 pcs.		●		●	●	13-1323DDRHR
Single-use Endo Clinch, HF-port, Ø 5 mm, UOM 6 pcs.		●		●	●	13-1323DDRHR-45

Bipolar Instruments

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Premium Bipolar Instruments

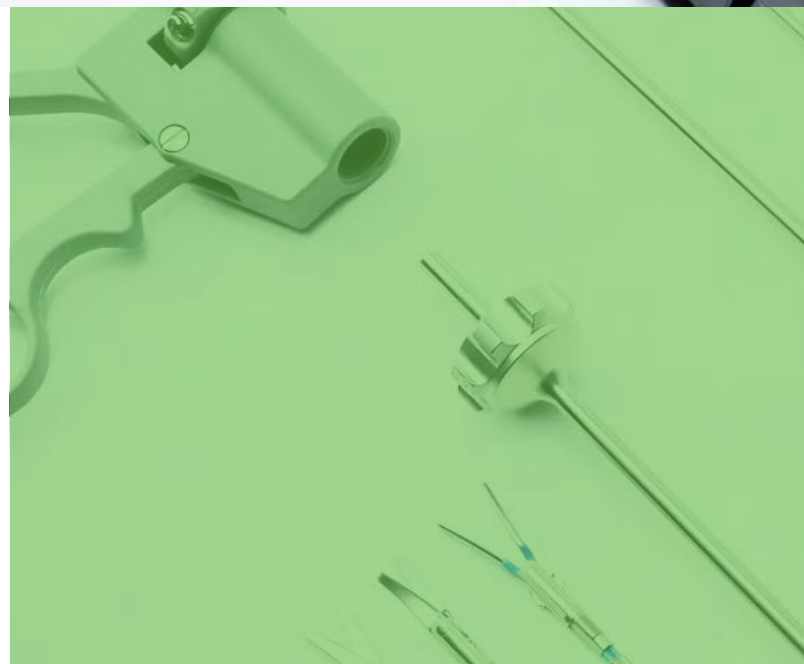
Key Features

- **Quick exchange of electrode inserts** for different applications within only a few seconds, also available in Ø 3 mm for Miniature Laparoscopy procedures
- Enhanced full **360° single finger rotation** results in precise control of the electrode
- Demountable into sheath, insert and handle for **convenient and reliable cleaning and component replacement**



... more Features

- Unique mechanism enables well adjustable opening and closing of the jaws combined with very high pressure while grasping and cutting
- Easy handling
- Standard flat plug with common bipolar cable fitting
- Double-hinge jaw design
- Ergonomic handles made of high quality PEEK polymer
- Diameters of 3 mm with 290 mm WL and 5 mm with 330 and 450 mm WL on request



Bipolar Maryland Grasping Forceps, Premium Line

For Use with 13-1700R / 13-1700R-45 and 13-1700SI



	Length		Item no.
	330 mm	450 mm	
Maryland grasping forceps , bipolar insert, double-action, Ø 5 mm	•		13-17011
Maryland grasping forceps , bipolar insert, double-action, Ø 5 mm		•	13-17011-45

Bipolar Fenestrated Grasping Forceps, Premium Line

For Use with 13-1700R / 13-1700R-45 and 13-1700SI



	Length		Item no.
	330 mm	450 mm	
Fenestrated grasping forceps , bipolar insert, double-action, Ø 5 mm	•		13-17021
Fenestrated grasping forceps , bipolar insert, double-action, Ø 5 mm		•	13-17021-45

Bipolar Scissors, Premium Line

For Use with 13-1700R / 13-1700R-45 and 13-1700SI



	Length		Item no.
	330 mm	450 mm	
Scissors , bipolar insert, double-action, Ø 5 mm	•		13-17031
Scissors , bipolar insert, double-action, Ø 5 mm		•	13-17031-45

Bipolar Micro Forceps, Premium Line

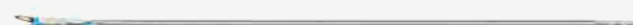
For Use with 13-1700R / 13-1700R-45 and 13-1700SI



	Length		Item no.
	330 mm	450 mm	
Micro forceps , bipolar insert, double-action, Ø 5 mm	•		13-1704I
Micro forceps , bipolar insert, double-action, Ø 5 mm		•	13-1704I-45

Bipolar Delta Grasping Forceps, Premium Line

For Use with 13-1700R / 13-1700R-45 and 13-1700SI



	Length		Item no.
	330 mm	450 mm	
Delta grasping forceps , bipolar insert, double-action, Ø 5 mm	•		13-1705I
Delta grasping forceps , bipolar insert, double-action, Ø 5 mm		•	13-1705I-45

Bipolar Fenestrated Grasping Forceps, Premium Line

For Use with 13-1700R / 13-1700R-45 and 13-1700SI



	Length		Item no.
	330 mm	450 mm	
Fenestrated grasping forceps , curved, bipolar insert, double-action, Ø 5 mm	•		13-1706I
Fenestrated grasping forceps , curved, bipolar insert, double-action, Ø 5 mm		•	13-1706I-45

Bipolar Claw Forceps, Premium Line

For Use with 13-1700R / 13-1700R-45 and 13-1700SI



	Length		Item no.
	330 mm	450 mm	
Claw forceps , bipolar insert, double-action, Ø 5 mm	•		13-17071
Claw forceps , bipolar insert, double-action, Ø 5 mm		•	13-17071-45

Bipolar Duckbill Forceps, Premium Line

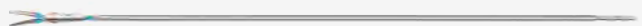
For Use with 13-1700R / 13-1700R-45 and 13-1700SI



	Length		Item no.
	330 mm	450 mm	
Duckbill forceps , bipolar insert, double-action, Ø 5 mm	•		13-17081
Duckbill forceps , bipolar insert, double-action, Ø 5 mm		•	13-17081-45

Bipolar Grasping Forceps, Curved, Premium Line

For Use with 13-1700R / 13-1700R-45 and 13-1700SI



	Length		Item no.
	330 mm	450 mm	
Grasping forceps , curved, bipolar insert, double-action, Ø 5 mm	•		13-17091
Grasping forceps , curved, bipolar insert, double-action, Ø 5 mm		•	13-17091-45

MINI LAP

Bipolar Mini Maryland Grasping Forceps, Premium Line

For Use with 23-3090 and 23-3091



Miniature Maryland grasping forceps, bipolar insert, double-action, Ø 3 mm, 290 mm

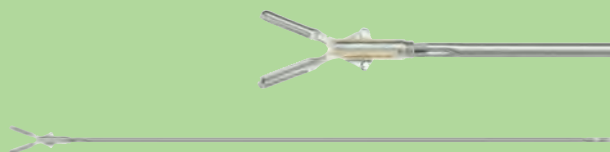
Item no.

23-3025BP

MINI LAP

Bipolar Mini Fenestrated Grasper, Premium Line

For Use with 23-3090 and 23-3091



Miniature fenestrated grasping forceps, bipolar insert, double-action, Ø 3 mm, 290 mm

Item no.

23-3082BP

MINI LAP

Bipolar Mini Metzenbaum Scissors, Premium Line

For Use with 23-3090 and 23-3091



Miniature Metzenbaum scissors, bipolar insert, double-action, Ø 3 mm, 290 mm

Item no.

23-3000BP

Handles for Bipolar Inserts

For Use with Premium Bipolar Instruments

	Length		Item no.
	for use with 23-3091	for use with 13-1700R(-45)	
Handle for bipolar detachable instruments MINI LAP	•		23-3090
Handle for bipolar detachable instruments		•	13-1700SI



Sheaths for Bipolar Inserts

For Use with Premium Bipolar Instruments



	Diameter		Length			Item no.
	Ø 3 mm	Ø 5 mm	290 mm	330 mm	450 mm	
Sheath for bipolar detachable instruments MINI LAP	•		•			23-3091
Sheath for bipolar detachable instruments		•		•		13-1700R
Sheath for bipolar detachable instruments		•			•	13-1700R-45

Standard Bipolar Instruments

Key Features

- Easy and **quick assembly and disassembly** into handle and insert
- Wide range of **different electrode patterns** available



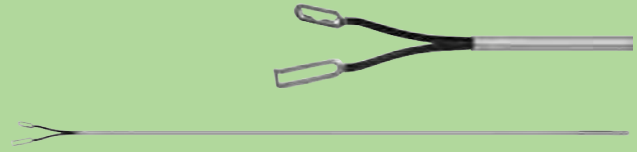
... more Features

- Simplified cleaning
- Two different handle types available
- By using an adapter connectable to nearly any common HF-unit



Bipolar Fenestrated Forceps, Standard Line

For Use with 13-1647SI / 13-1647SI-45 and 13-1646SI



	Length		Item no.
	330 mm	450 mm	
Forceps , fenestrated, bipolar insert, Ø 5 mm	•		13-1630IW0
Forceps , fenestrated, bipolar insert, Ø 5 mm		•	13-1630IW0-45

Bipolar Scissors, Standard Line

For Use with 13-1647SI / 13-1647SI-45 and 13-1646SI



	Length		Item no.
	330 mm	450 mm	
Scissors , fenestrated, bipolar insert, Ø 5 mm	•		13-1633IW0
Scissors , fenestrated, bipolar insert, Ø 5 mm		•	13-1633IW0-45

Bipolar Forceps, Standard Line

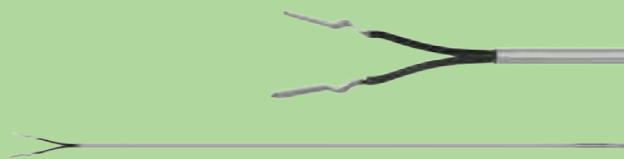
For Use with 13-1647SI / 13-1647SI-45 and 13-1646SI



	Length		Item no.
	330 mm	450 mm	
Forceps , short, wide jaw, bipolar insert, Ø 5 mm	•		13-1634IW0
Forceps , short, wide jaw, bipolar insert, Ø 5 mm		•	13-1634IW0-45

Bipolar Forceps, Bipolar Insert

For Use with 13-1647SI / 13-1647SI-45 and 13-1646SI



	Length		Item no.
	330 mm	450 mm	
Forceps , wide jaw, bipolar insert, Ø 5 mm	•		13-1635IWO
Forceps , wide jaw, bipolar insert, Ø 5 mm		•	13-1635IWO-45

Bipolar Micro Tip, Standard Line

For Use with 13-1647SI / 13-1647SI-45 and 13-1646SI



	Length		Item no.
	330 mm	450 mm	
Micro tip , bipolar insert, Ø 5 mm	•		13-1640IWO
Micro tip , bipolar insert, Ø 5 mm		•	13-1640IWO-45

Bipolar Forceps, w/o Nose, Standard Line

For Use with 13-1647SI / 13-1647SI-45 and 13-1646SI



	Length		Item no.
	330 mm	450 mm	
Forceps without nose , bipolar insert, Ø 5 mm	•		13-1642IWO
Forceps without nose , bipolar insert, Ø 5 mm		•	13-1642IWO-45

Bipolar Maryland Grasping Forceps, Standard Line

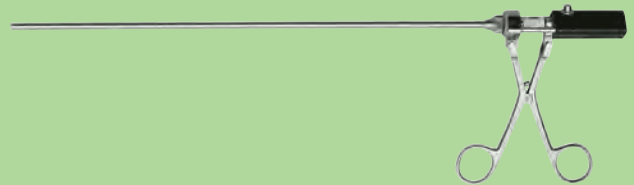
For Use with 13-1647SI / 13-1647SI-45 and 13-1646SI



	Length		Item no.
	330 mm	450 mm	
Maryland grasping forceps, bipolar insert, Ø 5 mm	•		13-1645IWO
Maryland grasping forceps, bipolar insert, Ø 5 mm		•	13-1645IWO-45

Pistol Handle for Bipolar Inserts

For Use with Standard Bipolar Instruments



	Item no.
Pistol handle for bipolar modular forceps	13-1646SI

Slide Handle for Bipolar Inserts

For Use with Standard Bipolar Instruments



	Item no.
Slide handle for bipolar modular forceps	13-1647SI

Endoscopic Clip Applicators & Removers

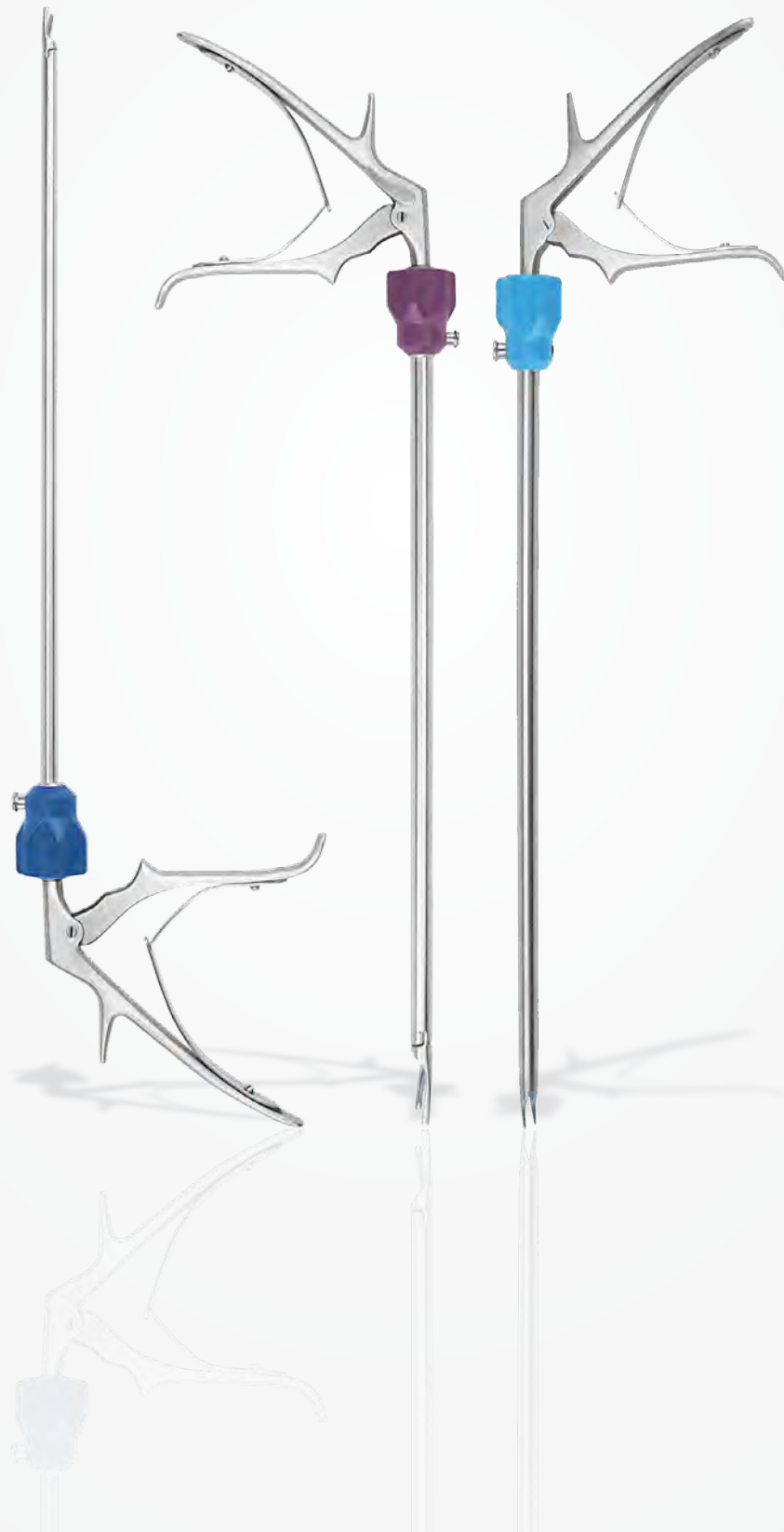
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Endoscopic VeSeal™ Applicators / **p. 188 -189**

Endoscopic Polymer Clip Applicators & Removers / **p. 190 - 191**





Europclip™ Endo Surgery Appliers

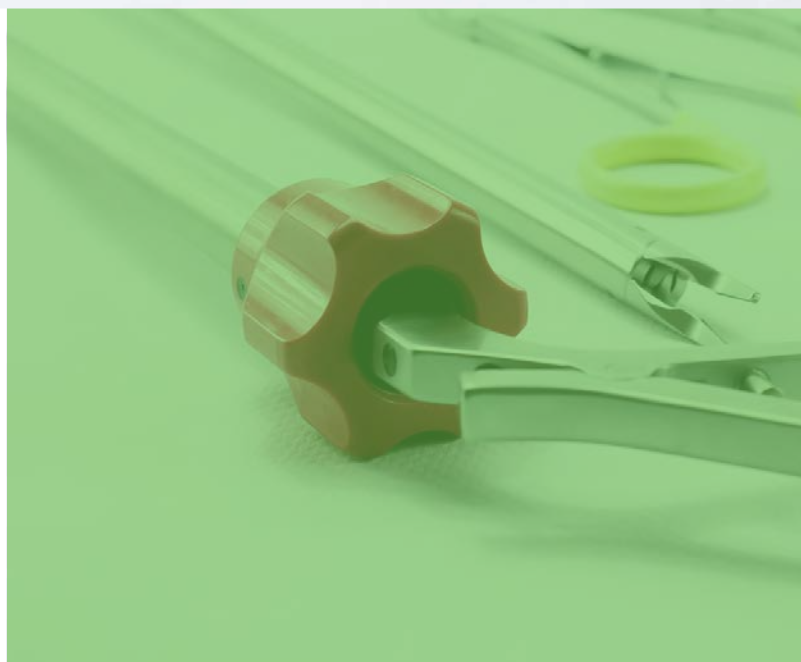
Key Features

- Solid **double-action jaw mechanism** for extremely precise and reliable closing action
- **Diamond dusted** jaws for maximum clip grip
- Multiple **handle options** to meet every physicians preference
- **No backlash** when activated in addition to tightly tolerated jaw dimensions

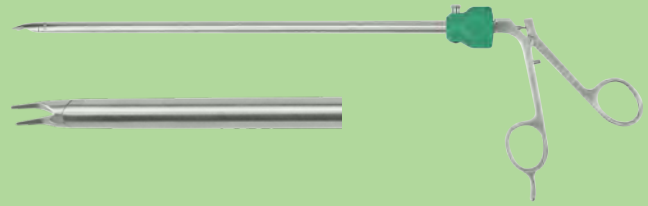


... more Features

- Flush port for validated cleaning and reprocessing
- 360° color coded rotating knob with audio and tactile feedback
- Perfectly weight-balanced
- Bariatric instruments available on request



Pistol Handle Appliers for Endo Surgery



Description	Diameter			Color coding	Item no.
	Ø 5 mm	Ø 10 mm	Ø 12.5 mm		
Endo Appliers for small Europclips™, pistol handle, rotatable, 330 mm	•			Yellow	13-1613-105AS
Endo Appliers for medium Europclips™, pistol handle, rotatable, 330 mm		•		Blue	13-1610AS
Endo Appliers for medium-large Europclips™, pistol handle, rotatable, 330 mm		•		Green	13-1615AS
Endo Appliers for large Europclips™, pistol handle, rotatable, 330 mm			•	Orange	13-1613-106AS

Townsend Handle Appliers for Endo Surgery



Description	Diameter			Color coding	Item no.
	Ø 5 mm	Ø 10 mm	Ø 12.5 mm		
Endo Appliers for small Europclips™, townsend handle, rotatable, 330 mm	•			Yellow	13-1613-105A
Endo Appliers for medium Europclips™, townsend handle, rotatable, 330 mm		•		Blue	13-1610A
Endo Appliers for medium-large Europclips™, townsend h., rotatable, 330 mm		•		Green	13-1615A
Endo Appliers for large Europclips™, townsend handle, rotatable, 330 mm			•	Orange	13-1613-106A

VeSeal™ Endo Surgery Appliers

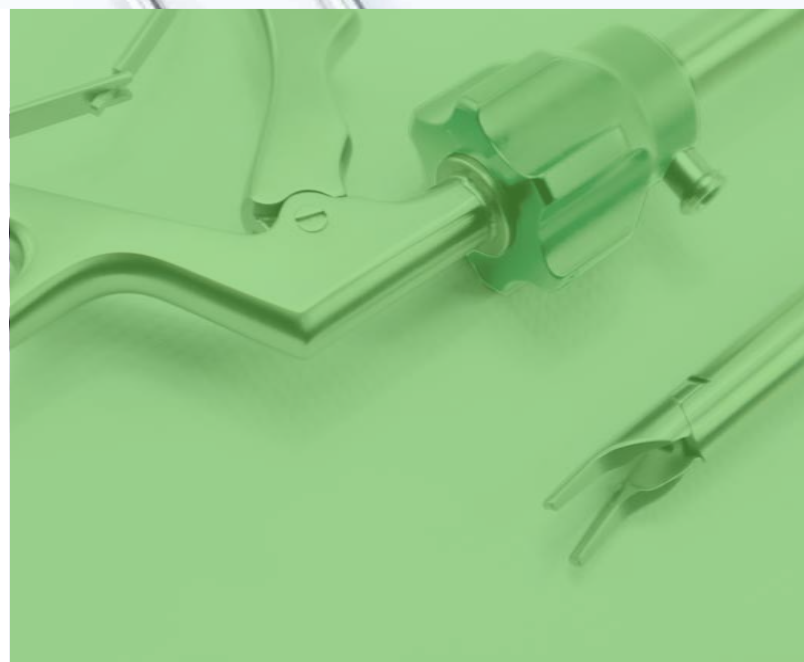
Key Features

- Solid **double-action jaw mechanism** for extremely precise and reliable closing action
- Precision milled **grooves** inside the jaw for perfect clip fitting
- **No backlash** when activated in addition to tightly tolerated jaw dimensions
- Ergonomic handle design



... more Features

- Flush port for validated cleaning and reprocessing
- 360° color coded rotating knob with audio and tactile feedback
- Perfectly weight-balanced
- Bariatric instruments available on request



Townsend Handle Appliers for Endo Surgery

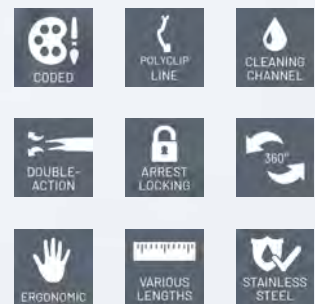
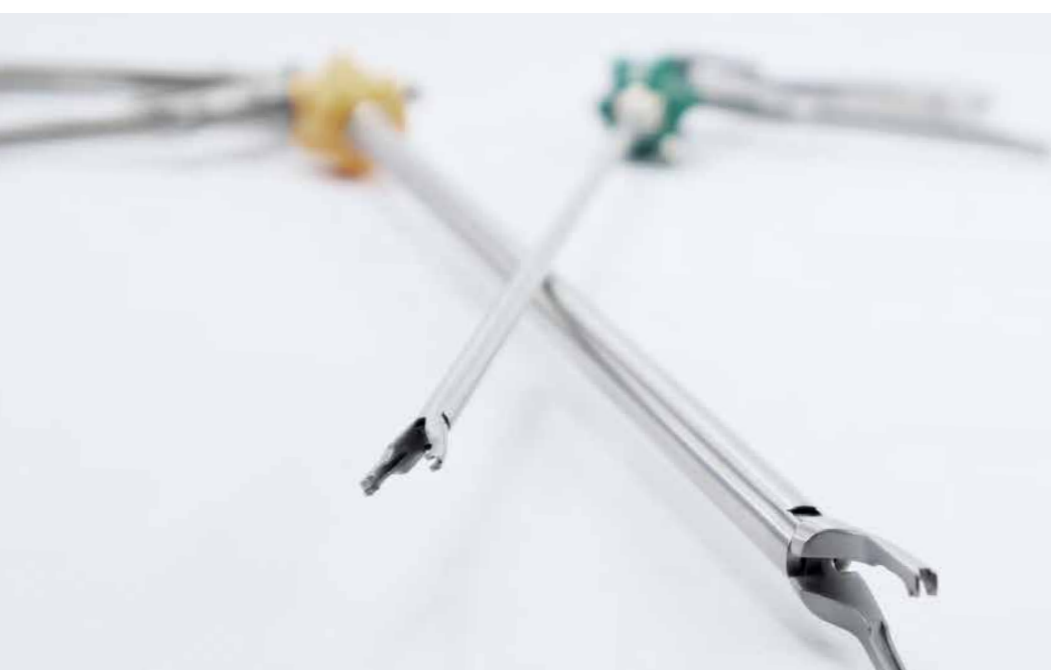


Description	Diameter			Color coding	Item no.
	Ø 7 mm	Ø 10 mm	Ø 12.5 mm		
Endo Appliers for small VeSeal™ clips, townsend handle, rot., demountable, 330 mm	•			●	13-1613-102
Endo Appliers for medium VeSeal™ clips, townsend handle, rot., demountable, 330 mm		•		○	13-1613-103
Endo Appliers for medium-large VeSeal™ clips, townsend handle, rot., dem., 330 mm		•		●	13-1613
Endo Appliers for large VeSeal™ clips, townsend handle, rot., demountable, 330 mm			•	●	13-1613-104

Polymer Clip Endo Surgery Appliers

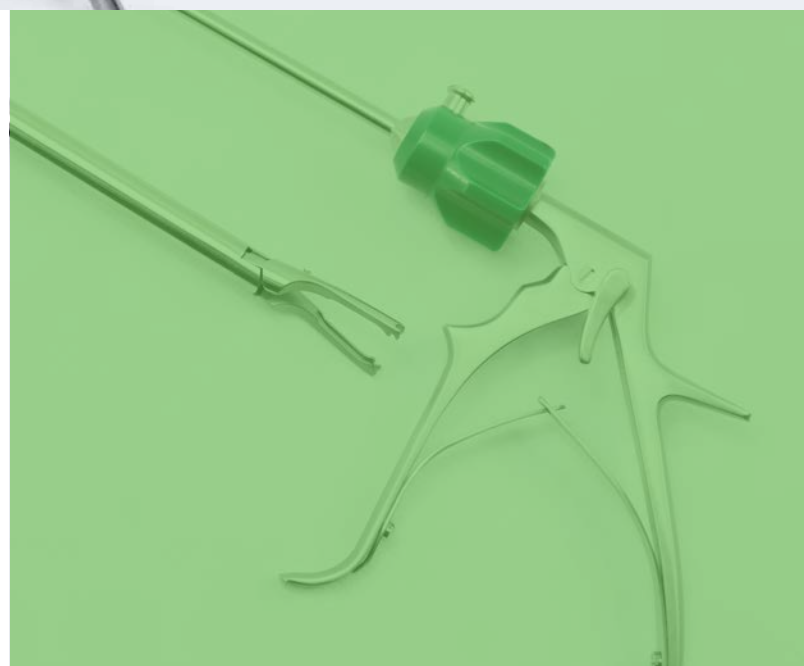
Key Features

- **Unique thumb-operated locking mechanism** integrated into the handle to prevent unintentional clip closure during travel inside the abdomen
- Complete range of Endoscopic appliers and clip removers
- **No backlash** when activated in addition to tightly tolerated jaw dimensions
- Ergonomic handle design



... more Features

- Flush port for validated cleaning and reprocessing
- 360° color coded rotating knob with audio and tactile feedback
- Perfectly weight-balanced
- Bariatric instruments available on request

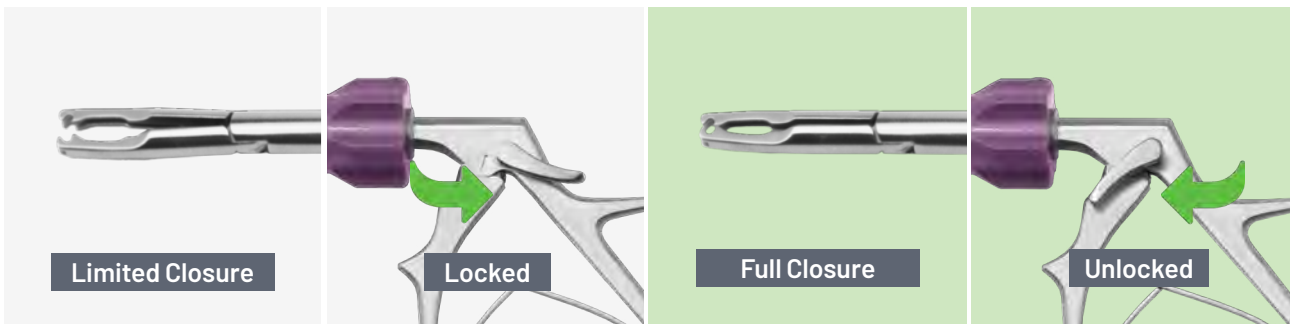


Townsend Handle Appliers for Endo Surgery



Description	Diameter		Color coding	Item no.
	Ø 5 mm	Ø 10 mm		
Endo Appliers for medium-large polyclips, towns.handle, rotatable, 330 mm	•		●	13-1615AS-P
Endo Appliers for large polyclips, townsend handle, rotatable, 330 mm		•	●	13-1613-106AS-P
Endo Appliers for extra-large polyclips, townsend handle, rotatable, 330 mm		•	●	13-1613-108AS-P

How to use the Endoscopic Clip Appliers



Townsend Handle Removers for Endo Surgery



Description	Item no.
Remover for medium, medium-large and large polymer clips, Ø 5 mm, 330 mm	13-1613PR
Remover for large and extra-large polymer clips, Ø 10 mm, 330 mm	13-1615PR

Speciality Instruments

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System ADG™ & DG™

Key Features

- **Excellent** tissue grasping control
- **Atraumatic wave or retraction jaws** in single- or double-action design
- One-piece instrument with **slide ratchet**



... more Features

- Rotatable (System ADG™) or non-rotatable (System DG™) instrument line with cleaning port
- 5 mm sheath diameter
- With 330 mm or 450 mm working length for Standard Laparoscopy and 260 mm or 450 mm working length for Miniature Laparoscopy
- Flush port for easy and convenient reprocessing



System ADG™ Wave Grasping Forceps, Rotatable

Single-action Jaws



	Length		Item no.
	360 mm	450 mm	
Wave grasper with slide ratchet, flushable, single-action, rotatable, Ø 5 mm	•		13-1381ADG
Wave grasper with slide ratchet, flushable, single-action, rotatable, Ø 5 mm		•	13-1381ADG-45

System ADG™ Wave Grasping Forceps, Rotatable

Double-action Jaws



	Length		Item no.
	360 mm	450 mm	
Wave grasper with slide ratchet, flushable, double-action, rotatable, Ø 5 mm	•		13-1375ADG
Wave grasper with slide ratchet, flushable, double-action, rotatable, Ø 5 mm		•	13-1375ADG-45

System ADG™ Retraction Forceps, Rotatable



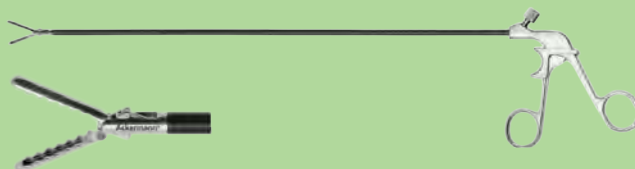
	Length		Item no.
	360 mm	450 mm	
Retraction forceps with slide ratchet, flushable, rotatable, Ø 5 mm	•		13-1380ADG
Retraction forceps with slide ratchet, flushable, rotatable, Ø 5 mm		•	13-1380ADG-45

System DG™ Wave Grasping Forceps



	Length		Item no.
	360 mm	450 mm	
Wave grasper with slide ratchet, flushable, single-action, Ø 5 mm	•		13-1381DG
Wave grasper with slide ratchet, flushable, single-action, Ø 5 mm		•	13-1381DG-45

System DG™ Wave Grasping Forceps



	Length		Item no.
	360 mm	450 mm	
Wave grasper with slide ratchet, flushable, double-action, Ø 5 mm	•		13-1375DG
Wave grasper with slide ratchet, flushable, double-action, Ø 5 mm		•	13-1375DG-45

System DG™ Retraction Forceps



	Length		Item no.
	360 mm	450 mm	
Retraction forceps with slide ratchet, flushable, Ø 5 mm	•		13-1380DG
Retraction forceps with slide ratchet, flushable, Ø 5 mm		•	13-1380DG-45



Axial Needleholders

Key Features

- Extremely light-weight and ergonomic **aluminum handles**
- Total weight of **under 120 g**
- **Maneuverability is enhanced** while reducing fatigue
- Unique overload protection to **avoid needle breakage**
- Also available in **Ø 3 mm for Miniature Laparoscopy** procedures



... more Features

- Adjustable ratchet
- Despite its weight very robust and durable
- Instrument cleaning port
- 5 mm sheath diameter
- With 330 mm or 450 mm working length for Standard Laparoscopy and 200 mm or 360 mm working length for Miniature Laparoscopy



Axial Needleholders, Straight Jaws



	Length		Item no.
	330 mm	450 mm	
Axial needleholder , straight jaws, angled handle, Ø 5 mm	•		13-1591P
Axial needleholder , straight jaws, angled handle, Ø 5 mm		•	13-1591P-45

Axial Needleholders, Right Curved Jaws



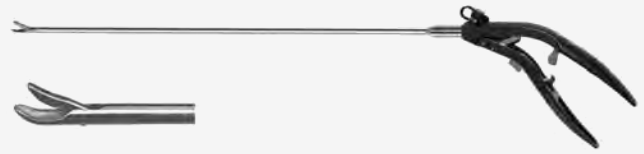
	Length		Item no.
	330 mm	450 mm	
Axial needleholder , right curved jaws, angled handle, Ø 5 mm	•		13-1593P
Axial needleholder , right curved jaws, angled handle, Ø 5 mm		•	13-1593P-45

Axial Needleholders, Left Curved Jaws



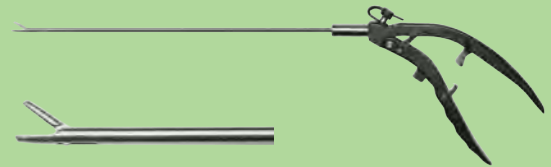
	Length		Item no.
	330 mm	450 mm	
Axial needleholder , left curved jaws, angled handle, Ø 5 mm	•		13-1594P
Axial needleholder , left curved jaws, angled handle, Ø 5 mm		•	13-1594P-45

Axial Needleholders, Self-uprighting Jaws



	Length		Item no.
	330 mm	450 mm	
Axial needleholder , self-upright. jaws, angled handle, Ø 5 mm	•		13-1590PSFU
Axial needleholder , self-upright. jaws, angled handle, Ø 5 mm		•	13-1590PSFU-45

MINI LAP Miniature Axial Needleholders, Straight Jaws



	Length		Item no.
	200 mm	360 mm	
Miniature axial needleholder , straight jaws, angled handle, Ø 3 mm	•		23-3026P-20
Miniature axial needleholder , straight jaws, angled handle, Ø 3 mm		•	23-3026P

MINI LAP Miniature Axial Needleholders, Right Curved Jaws



	Length		Item no.
	200 mm	360 mm	
Miniature axial needleholder , right curved jaws, angled handle, Ø 5 mm	•		23-3027P-20
Miniature axial needleholder , right curved jaws, angled handle, Ø 5 mm		•	23-3027P

MINI LAP

Miniature Axial Needleholders, Left Curved Jaws



	Length		Item no.
	200 mm	360 mm	
Miniature axial needleholder, left curved jaws, angled handle, Ø 3 mm	•		23-3028P-20
Miniature axial needleholder, left curved jaws, angled handle, Ø 3 mm		•	23-3028P

ETH Needleholders

Key Features

- **Integrated locking mechanism** with automated spring action for precise adjustment and controlled tensioning
- Unique overload protection to **avoid needle breakage**
- Ergonomic **axial handle**
- To be used with any **industry-standard surgical needle**



STAINLESS
STEEL



CLEANING
CHANNEL



VARIOUS
LENGTHS



5
DIAMETER



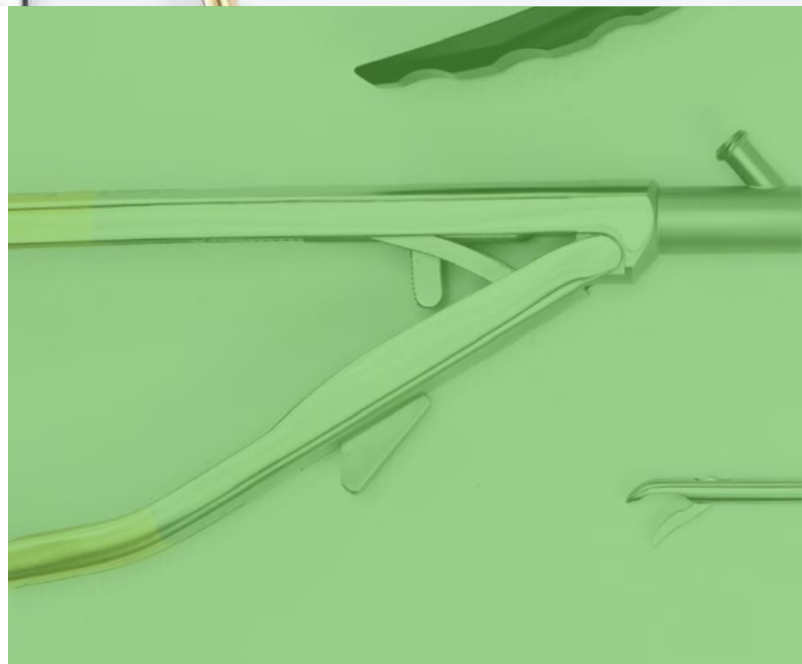
ERGONOMIC



AXIAL
HANDLE

... more Features

- Self-uprighting needleholder available
- Instrument cleaning port
- 5 mm sheath diameter
- Available in 330 mm or 450 mm working length
- Break-proof stainless steel



ETH Needleholders, Straight Jaws



	Length		Item no.
	330 mm	450 mm	
ETH needleholder, straight jaws, Ø 5 mm	•		13-1591ET
ETH needleholder, straight jaws, Ø 5 mm		•	13-1591ET-45

ETH Needleholders, Right Curved Jaws



	Length		Item no.
	330 mm	450 mm	
ETH needleholder, right curved jaws, Ø 5 mm	•		13-1593ET
ETH needleholder, right curved jaws, Ø 5 mm		•	13-1593ET-45

ETH Needleholders, Left Curved Jaws



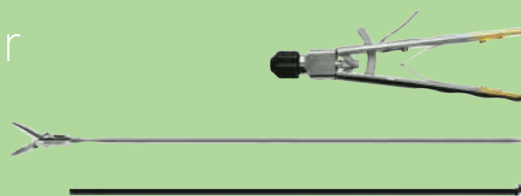
	Length		Item no.
	330 mm	450 mm	
ETH needleholder, left curved jaws, Ø 5 mm	•		13-1594ET
ETH needleholder, left curved jaws, Ø 5 mm		•	13-1594ET-45

ETH Needleholders, Self-uprighting Jaws



	Length		Item no.
	330 mm	450 mm	
ETH needleholder, self-uprighting jaws, Ø 5 mm	•		13-1590ETSFU
ETH needleholder, self-uprighting jaws, Ø 5 mm		•	13-1590ETSFU-45

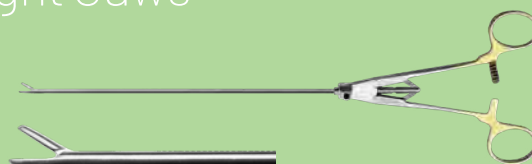
Three-Piece Modular Needleholder



Set Components	Item no.
System CS™ Needleholder, pointed version, single-action, 12 mm jaw length, Ø 5 mm, 330 mm	13-1590CSI
+ Sheath for System CS™ inserts, Ø 5 mm, 330 mm	13-1356CS
+ Axial handle for System CS™	13-1358AXDI

MINILAP

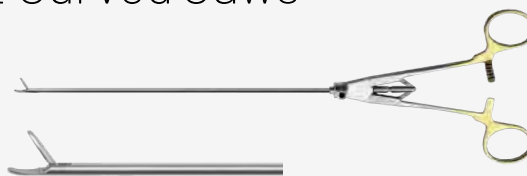
Miniature Needleholders, Straight Jaws



	Length		Item no.
	200 mm	330 mm	
Miniature needleholder, straight jaws, axial handle, Ø 3 mm	•		23-3026AX-20
Miniature needleholder, straight jaws, axial handle, Ø 3 mm		•	23-3026AX

MINI LAP

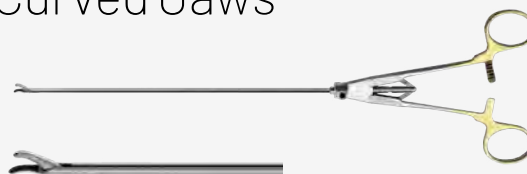
Miniature Needleholders, Right Curved Jaws



	Length		Item no.
	200 mm	330 mm	
Miniature needleholder, righttt curved jaws, axial handle, Ø 3 mm	•		23-3027AX-20
Miniature needleholder, right curved jaws, axial handle, Ø 3 mm		•	23-3027AX

MINI LAP

Miniature Needleholders, Left Curved Jaws



	Length		Item no.
	200 mm	330 mm	
Miniature needleholder, left curved jaws, axial handle, Ø 3 mm	•		23-3028AX-20
Miniature needleholder, left curved jaws, axial handle, Ø 3 mm		•	23-3028AX

Snake Retractors

Key Features

- Create a large and highly atraumatic surface to **safely retract organs and other fragile tissue** simply by turning the actuating knob on the handle
- May also be used for **adjustable gastric banding**



STAINLESS
STEEL



CLEANING
CHANNEL



VARIOUS
LENGTHS



VARIOUS
PATTERNS



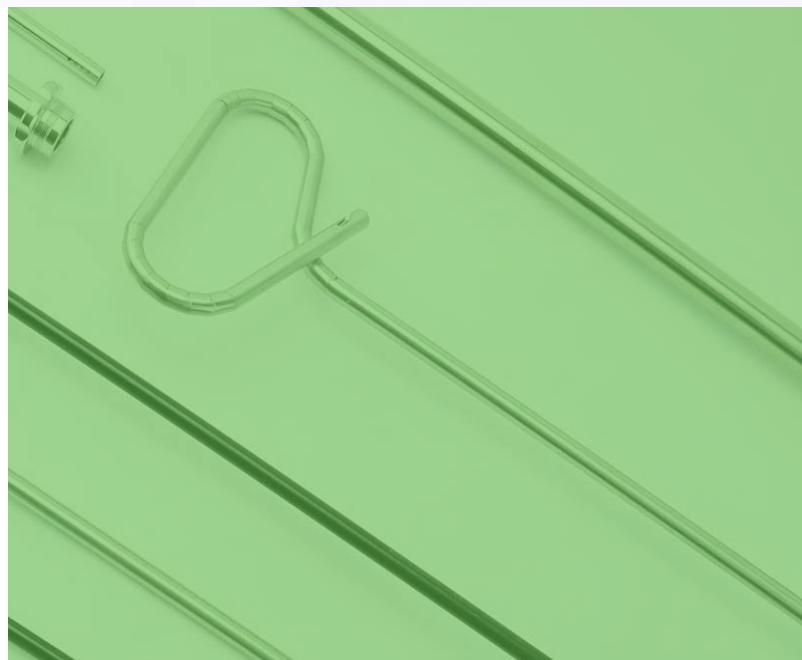
5
mm
DIAMETER



REUSABLE

... more Features

- 5 mm sheath diameter at 340 and 450 mm working lengths
- Break-proof stainless steel
- Instrument flush port allows for convenient and safe cleaning



Snake Retractors, Triangular, Angled in Sheath



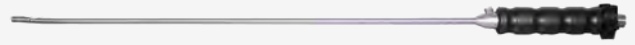
	Working length		Total length		Item no.
	60 mm	80 mm	340 mm	450 mm	
Snake retractor, triangular, angled in sheath, Ø 5 mm		•	•		13-1665
Snake retractor, triangular, angled in sheath, Ø 5 mm		•		•	13-1665-45
Snake retractor, triangular, angled in sheath, Ø 5 mm	•		•		13-1665-6
Snake retractor, triangular, angled in sheath, Ø 5 mm	•			•	13-1665-6-45

Snake Retractors, Triangular, Straight in Sheath



	Working length			Total length		Item no.
	60 mm	80 mm	120 mm	340 mm	450 mm	
Snake retractor, triangular, straight in sheath, Ø 5 mm		•		•		13-1666
Snake retractor, triangular, straight in sheath, Ø 5 mm		•			•	13-1666-45
Snake retractor, triangular, straight in sheath, Ø 5 mm	•			•		13-1666-6
Snake retractor, triangular, straight in sheath, Ø 5 mm	•				•	13-1666-6-45
Snake retractor, triangular, straight in sheath, Ø 5 mm			•	•		13-1666-12
Snake retractor, triangular, straight in sheath, Ø 5 mm			•		•	13-1666-12-45

Snake Retractors, Angled in Sheath



	Type			Length		Item no.
	straight	curved right	curved left	340 mm	450 mm	
Snake retractor, angled in sheath, Ø 5 mm	•			•		13-1667
Snake retractor, angled in sheath, Ø 5 mm	•				•	13-1667-45
Snake retractor, angled in sheath, Ø 5 mm		•		•		13-1667R
Snake retractor, angled in sheath, Ø 5 mm		•			•	13-1667R-45
Snake retractor, angled in sheath, Ø 5 mm			•	•		13-1667L
Snake retractor, angled in sheath, Ø 5 mm			•		•	13-1667L-45

Snake Retractors, Straight, Angled in Sheath



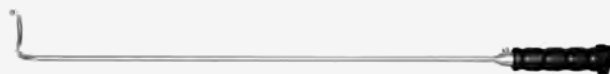
	Item no.
Snake retractor, straight, angled in sheath, Ø 5 mm, 340 mm	13-1661

Snake Retractors, Circular



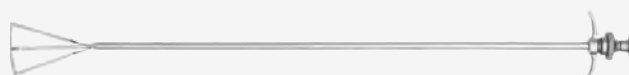
	Sheath type		Item no.
	straight	angled	
Snake retractor, circular, Ø 5 mm, 340 mm	•		13-1662
Snake retractor, circular, Ø 5 mm, 340 mm		•	13-1663

Snake Retractors, Hooked



	Type		Item no.
	curved right	curved left	
Snake retractor, hooked, Ø 5 mm, 340 mm	•		13-1664R
Snake retractor, hooked, Ø 5 mm, 340 mm		•	13-1664L

Fan Retractors



	Type			Total length		Item no.
	straight	curved	angled	350 mm	450 mm	
Fan retractor, Ø 5 mm	•					13-1670
Fan retractor, Ø 5 mm		•		•		13-1675
Fan retractor, Ø 5 mm		•			•	13-1675-45
Fan retractor, Ø 5 mm			•			13-1677

Finger Retractors, Angled Fan, Deflectable



	Diameter		Type		Total length		Item no.
	Ø 5 mm	Ø 10 mm	3-Finger	5-Finger	330 mm	450 mm	
Finger retractor, deflectable	•		•		•		13-1671
Finger retractor, deflectable	•		•			•	13-1671-45
Finger retractor, deflectable		•		•	•		13-1672
Finger retractor, deflectable		•		•		•	13-1672-45

Finger Retractors, Straight Fan, Deflectable



	Diameter		Type		Item no.
	Ø 5 mm	Ø 10 mm	3-Finger	5-Finger	
Finger retractor, straight fan, deflectable, 330 mm	•		•		13-1671S
Finger retractor, straight fan, deflectable, 330 mm		•		•	13-1672S

Esophageal Retractors



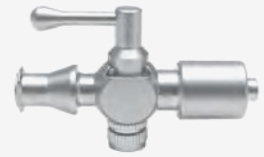
	Diameter		Total length		Item no.
	Ø 5 mm	Ø 10 mm	330 mm	450 mm	
Esophageal retractor for application of gastric band	•		•		13-1668
Esophageal retractor for application of gastric band		•	•		13-1668-10
Esophageal retractor for application of gastric band		•		•	13-1668-10-45

Hourlay Finger Retractor



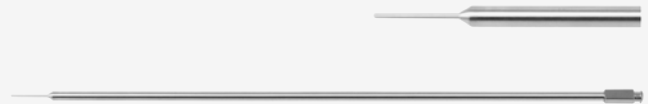
	Item no.
Hourlay finger retractor, Ø 10 mm, 330 mm	13-1669

Connector Luer-Lock / Tube



	Item no.
Connector luer-lock/tube with stopcock	13-1355LLVLV

LL Injection Needles



	Diameter		Length			Item no.
	Ø 2.8 mm	Ø 5 mm	260 mm	330 mm	450 mm	
Injection needle (Ø 0.9 mm / 19 gauge) with Luer Lock		•		•		13-1619-19G
Injection needle (Ø 0.9 mm / 19 gauge) with Luer Lock		•			•	13-1619-45-19G
Injection needle (Ø 1.2 mm / 18 gauge) with Luer Lock MINI LAP	•			•		13-1619-3
Injection needle (Ø 1.5 mm / 16 gauge) with Luer Lock		•	•			13-1619-26
Injection needle (Ø 1.5 mm / 16 gauge) with Luer Lock		•		•		13-1619
Injection needle (Ø 1.5 mm / 16 gauge) with Luer Lock		•			•	13-1619-45

Cholangiogram Instrument



	Item no.
Cholangiogram forceps with ratchet, Ø 5 mm, 330 mm	11-1249

Knot Pushers



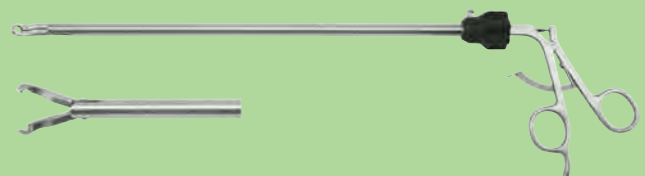
	Diameter		Type		Total length		Item no.
	Ø 3 mm	Ø 5 mm	open eyelet	slot	330 mm	450 mm	
Knot pusher MINI LAP	•		•		•		13-1617-3
Knot pusher		•	•		•		13-1617
Knot pusher		•	•			•	13-1617-45
Knot pusher		•		•	•		13-1617SL
Knot pusher		•		•		•	13-1617SL-45

Palpation Probes



	Diameter		Length		Item no.
	Ø 3 mm	Ø 5 mm	330 mm	450 mm	
Graduated palpation probe MINI LAP	•		•		10-1110-3
Graduated palpation probe		•	•		10-1110
Graduated palpation probe		•		•	10-1110-45

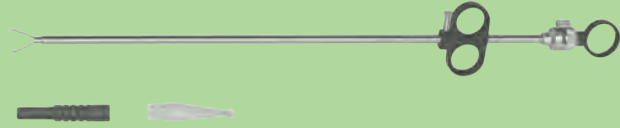
Anvil Grasping Forceps



	Length		Item no.
	330 mm	450 mm	
Anvil grasper, Ø 10 mm	•		13-1599A
Anvil grasper, Ø 10 mm		•	13-1599A-45

Ring Applicators

Incl. cone (13-1618-200) and loading device (13-1618-300)



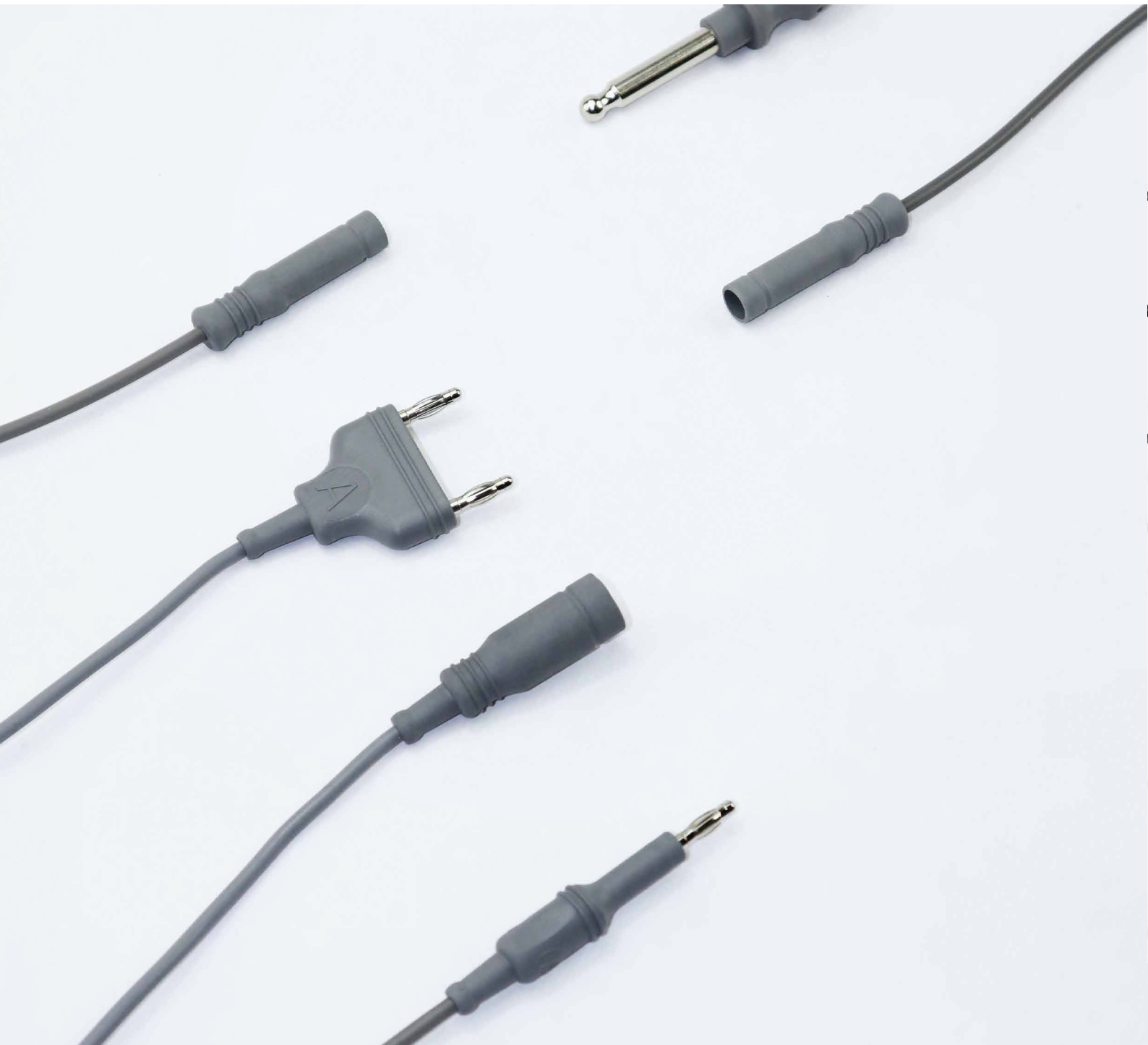
	Diameter		Length		For use with			Item no.
	Ø 6 mm	Ø 6.5 mm	330 mm	400 mm	instrument bridge	scope	trocac sleeve	
Ring applicator	•			•	•			13-1618
Ring applicator	•		•			•		13-16180V
Ring applicator		•	•				•	13-1618TR

Connecting Cables

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Monopolar Cables / **p. 216**

Bipolar Cables / **p. 216**







Monopolar Cables

	Generator side					Item no.
	Ø 4 mm Ackermann / Erbe T ¹ / Martin ¹ / Berchthold ¹		Ø 5 mm Erbe ACC ¹ / ICC-VIO ¹	Ø 8 mm Bovie ¹ / Valleylab ¹ / Conmed ¹	Ø 4 mm ACMI ¹ / Martin ¹ / Berchthold ¹ / Aesculap ¹	
Ø 4 mm instrument side, round plug  for monopolar lap instruments and electrodes	3 m length	5 m length	3 m length	3 m length	3 m length	11-1260
	•					11-1260-5
		•				11-1261
			•			11-1262
				•	•	11-1263

Bipolar Cables

	Generator side				Item no.
	2-Banana		Storz ¹ / Erbe ¹	Martin ¹ / Berchthold ¹	
EU Flat plug instrument side, square plug  for premium bipolar instruments and electrodes	3 m length	5 m length	3 m length	3 m length	13-1641
	•				13-1641-5
		•			13-1643
			•		13-1644
MIC plug instrument side, round plug  for standard bipolar instruments	3 m length	5 m length	3 m length	3 m length	13-1641BPW
	•				13-1641-5BPW
		•			13-1643BPW
			•		13-1644BPW



Lap Containers

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Lap Containers & Accessories / **p. 220 - 222**





1/1 Lap Instrument Container with Rack and Mat



		Item no.
1/1 Container with lap instrument rack and silicone mat, 580 x 280 x 260 mm		15-1694
includes	1/1 Container, bottom non-perforated, silver lid, 580 x 280 x 260 mm	15-1694L
and	Container inlay for endoscopes, 420 x 250 x 45 mm	15-1694I
and	Container silicone mat, blue, 520 x 230 mm	15-1694SI

1/1 Lap Instrument Container, Small




	Item no.
1/1 Container , bottom non-perforated, silver lid, 580 x 280 x 100 mm	15-1694S

1/1 Lap Instrument Container, Large



	Item no.
1/1 Container , bottom non-perforated, silver lid, 580 x 280 x 260 mm	15-1694L

Accessories for Lap and Endoscope Containers

	For container			Item no.	
	1/1	3/4	1/2		
Container wire basket , 535 x 250 x 70mm	•			15-1694B	
Container wire basket with instrument rack for up to 5 x Ø 5 mm and up to 4 x Ø 10 mm instruments, 535 x 250 x 70 mm	•			15-1694BR	
Paper filters , UOM 100 pcs.	•	•	•	15-1694F	
Filter retainer	•	•	•	15-1694FR	
Container instrument rack for up to 10 x Ø 5 mm / Ø 10 mm instruments, 515 x 250 x 165 mm	•			15-1694I	
Additional instrument holder for up 10 x Ø 5 mm / Ø 10 mm instruments, use with 15-1694I	•			15-1694I-100	
Container silicone mat , blue, 520 x 230 mm	•			15-1694SI	

Endoscope Container with Silicone Mounting



	Dimensions		Item no.
	470 x 80 x 74 mm	270 x 70 x 65 mm	
Endoscope container , perforated, with silicone mounting	•		15-1691
Endoscope container , perforated, with silicone mounting		•	15-1692

Endoscope Wire Basket with Lid and Scope Fixation



	Dimensions		Item no.
Endoscope wire basket with lid and scope fixation	460 x 80 x 52 mm	•	15-1697-100
Endoscope wire basket with lid and scope fixation	•	670 x 80 x 52 mm	15-1697-200

Plastic Endoscope Sterilization Case



	Item no.
Plastic sterilization case for endoscopes, 470 x 100 x 70 mm	15-1695

Accessories for Endoscope Plastic Sterilization Case

	Item no.
Safety seals for 15-1695, UOM 1.000 pcs.	15-1695-100
Sterilization seals for 15-1695, UOM 1.000 pcs.	15-1695-200
Permanent filter set for 15-1695	15-1695F



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