



HygeiaMedical

LAPROSCOPY & ELECTRO-SURGERY CATALOGUE



www.hygeia.icu

Reusable Click Line Handle

MARYLAND Dissecting Forceps, Curved

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	-	-	-
	Without Ratchet	LCP-3301	LCS-3301	LCB-3301

MARYLAND Dissecting Forceps, Straight

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	-	-	-
	Without Ratchet	LCP-3301S	LCS-3301S	LCB-3301S

DOLPHIN Nose Dissecting Forceps

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	-	-	-
	Without Ratchet	LCP-3301N	LCS-3301N	LCB-3301N

Dissecting Forceps, 90° Curved

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	-	-	-
	Without Ratchet	LCP-3301D	LCS-3301D	LCB-3301D

METZENBAUM Scissors, Curved

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	-	-	-
	Without Ratchet	LCP-3302	LCS-3302	LCB-3302

METZENBAUM Scissors, Straight

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	-	-	-
	Without Ratchet	LCP-3302S	LCS-3302S	LCB-3302S

HOOK Scissors

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	-	-	-
	Without Ratchet	LCP-3302H	LCS-3302H	LCB-3302H

ENDO Grasping Forceps, Fenestrated

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LCP-3303R	LCS-3303R	LCB-3303R
	Without Ratchet	LCP-3303	LCS-3303	LCB-3303

YOHAN Grasping Forceps, Fenestrated

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LCP-3304R	LCS-3304R	LCB-3304R
	Without Ratchet	LCP-3304	LCS-3304	LCB-3304

BABCOCK Grasping Forceps

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LCP-3305R	LCS-3305R	LCB-3305R
	Without Ratchet	LCP-3305	LCS-3305	LCB-3305

BACK TEETH Grasping Forceps

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LCP-3306R	LCS-3306R	LCB-3306R
	Without Ratchet	LCP-3306	LCS-3306	LCB-3306

INTESTINAL Grasping Forceps, Fenestrated

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LCP-3307R	LCS-3307R	LCB-3307R
	Without Ratchet	LCP-3307	LCS-3307	LCB-3307

YOHAN Grasping Forceps, Single Action

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LCP-3308R	LCS-3308R	LCB-3308R
	Without Ratchet	LCP-3308	LCS-3308	LCB-3308

APPENDIX Grasping Forceps, Fenestrated

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LCP-3309R	LCS-3309R	LCB-3309R
	Without Ratchet	LCP-3309	LCS-3309	LCB-3309

FUNDUS Grasping Forceps

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LCP-3310R	LCS-3310R	LCB-3310R
	Without Ratchet	LCP-3310	LCS-3310	LCB-3310

COBRA Toothed Grasping Forceps

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LCP-3311R	LCS-3311R	LCB-3311R
	Without Ratchet	LCP-3311	LCS-3311	LCB-3311

WAVE Grasping Forceps

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LCP-3312R	LCS-3312R	LCB-3312R
	Without Ratchet	LCP-3312	LCS-3312	LCB-3312

BUILT Standard Grasping Forceps

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LCP-3313R	LCS-3313R	LCB-3313R
	Without Ratchet	LCP-3313	LCS-3313	LCB-3313

CLAW Grasping Forceps

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LCP-3314R	LCS-3314R	LCB-3314R
	Without Ratchet	LCP-3314	LCS-3314	LCB-3314

BIOPSY Forceps Double Action

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LCP-3315R	LCS-3315R	LCB-3315R
	Without Ratchet	LCP-3315	LCS-3315	LCB-3315

BIOPSY Forceps Single Action

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LCP-3316R	LCS-3316R	LCB-3316R
	Without Ratchet	LCP-3316	LCS-3316	LCB-3316

Reusable Steel Insulated Handle



MARYLAND Dissecting Forceps, Curved

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	-	-	-
	Without Ratchet	LSP-3301	LSS-3301	LSB-3301

MARYLAND Dissecting Forceps, Straight

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	-	-	-
	Without Ratchet	LSP-3301S	LSS-3301S	LSB-3301S

DOLPHIN Nose Dissecting Forceps

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	-	-	-
	Without Ratchet	LSP-3301N	LSS-3301N	LSB-3301N

Dissecting Forceps, 90° Curved

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	-	-	-
	Without Ratchet	LSP-3301D	LSS-3301D	LSB-3301D

METZENBAUM Scissors, Curved

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	-	-	-
	Without Ratchet	LSP-3302	LSS-3302	LSB-3302

METZENBAUM Scissors, Straight

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	-	-	-
	Without Ratchet	LSP-3302S	LSS-3302S	LSB-3302S

HOOK Scissors

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	-	-	-
	Without Ratchet	LSP-3302H	LSS-3302H	LSB-3302H

ENDO Grasping Forceps, Fenestrated

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LSP-3303R	LSS-3303R	LSB-3303R
	Without Ratchet	LSP-3303	LSS-3303	LSB-3303

YOHAN Grasping Forceps, Fenestrated

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LSP-3304R	LSS-3304R	LSB-3304R
	Without Ratchet	LSP-3304	LSS-3304	LSB-3304

BABCOCK Grasping Forceps

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LSP-3305R	LSS-3305R	LSB-3305R
	Without Ratchet	LSP-3305	LSS-3305	LSB-3305

BACK TEETH Grasping Forceps

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LSP-3306R	LSS-3306R	LSB-3306R
	Without Ratchet	LSP-3306	LSS-3306	LSB-3306

INTESTINAL Grasping Forceps, Fenestrated

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LSP-3307R	LSS-3307R	LSB-3307R
	Without Ratchet	LSP-3307	LSS-3307	LSB-3307

YOHAN Grasping Forceps, Single Action

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LSP-3308R	LSS-3308R	LSB-3308R
	Without Ratchet	LSP-3308	LSS-3308	LSB-3308

APPENDIX Grasping Forceps, Fenestrated

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LSP-3309R	LSS-3309R	LSB-3309R
	Without Ratchet	LSP-3309	LSS-3309	LSB-3309

FUNDUS Grasping Forceps

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LSP-3310R	LSS-3310R	LSB-3310R
	Without Ratchet	LSP-3310	LSS-3310	LSB-3310

COBRA Toothed Grasping Forceps

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LSP-3311R	LSS-3311R	LSB-3311R
	Without Ratchet	LSP-3311	LSS-3311	LSB-3311

WAVE Grasping Forceps

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LSP-3312R	LSS-3312R	LSB-3312R
	Without Ratchet	LSP-3312	LSS-3312	LSB-3312

BUILT Standard Grasping Forceps

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LSP-3313R	LSS-3313R	LSB-3313R
	Without Ratchet	LSP-3313	LSS-3313	LSB-3313

CLAW Grasping Forceps

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LSP-3314R	LSS-3314R	LSB-3314R
	Without Ratchet	LSP-3314	LSS-3314	LSB-3314

BIOPSY Forceps Double Action

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LSP-3315R	LSS-3315R	LSB-3315R
	Without Ratchet	LSP-3315	LSS-3315	LSB-3315

BIOPSY Forceps Single Action

	Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
	With Ratchet	LSP-3316R	LSS-3316R	LSB-3316R
	Without Ratchet	LSP-3316	LSS-3316	LSB-3316

Reusable Bipolar Forceps



**Bipolar Maryland
LBF-3301**



**Bipolar Yohan
LBF-3302**

Laparoscopes



Light Guide Cable

LEL 441 Ø 4.5 X 2000 mm
LEL 442 Ø 4.5 X 2300 mm
LEL 443 Ø 4.5 X 2500 mm
LEL 444 Ø 4.5 X 3000 mm
LEL 445 Ø 4.5 X 3500 mm



Reusable Needle Holders



Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
LNP-3305	LN-3305	LNB-3305



Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
LNP-3306	LN-3306	LNB-3306



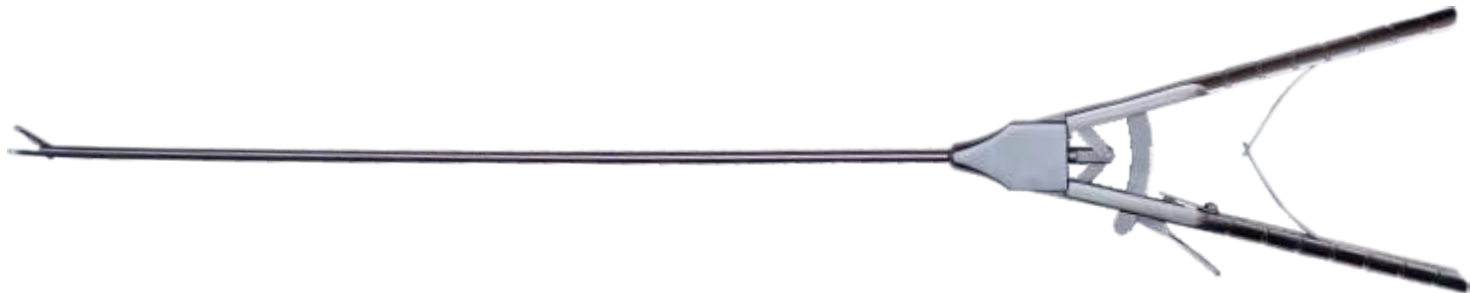
Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
LNP-3307	LN-3307	LNB-3307



Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
LNP-3307	LN-3307	LNB-3307



Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
LNP-3309	LN-3309	LNB-3309



Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
LNP-3301	LN-3301	LNB-3301



Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
LNP-3302	LN-3302	LNB-3302



Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
LNP-3303	LN-3303	LNB-3303



Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
LNP-3304	LN-3304	LNB-3304



Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
LNP-330	LN-330	LNB-330



Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
LNP-3310	LN-3310	LNB-3310



Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
LNP-3311	LN-3311	LNB-3311



Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
LNP-3312	LN-3312	LNB-3312

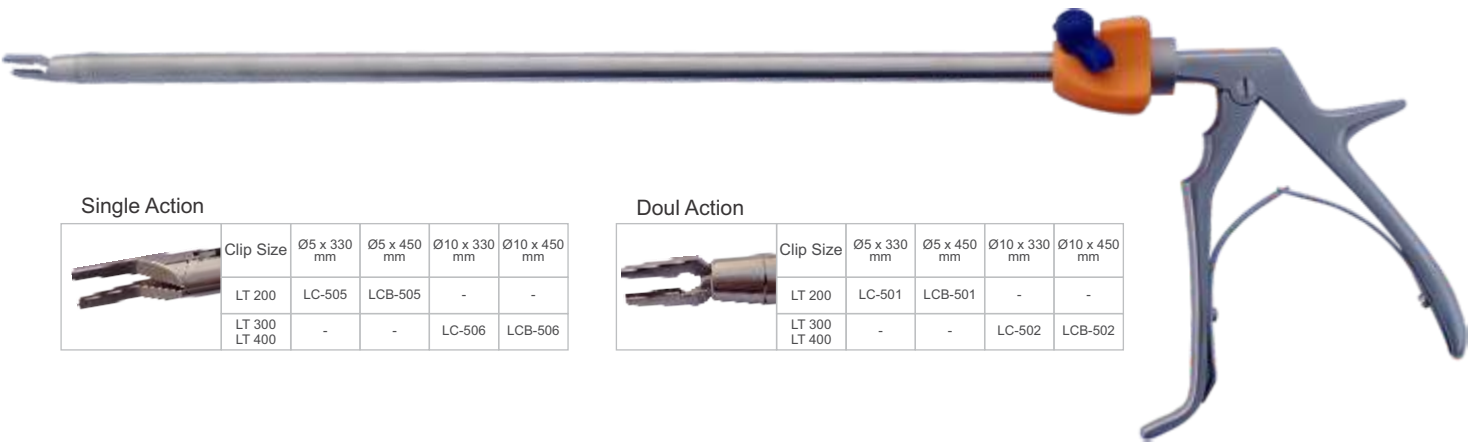


Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
LNP-3313	LN-3313	LNB-3313



Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
LNP-3314	LN-3314	LNB-3314

Reusable Clip Applicator



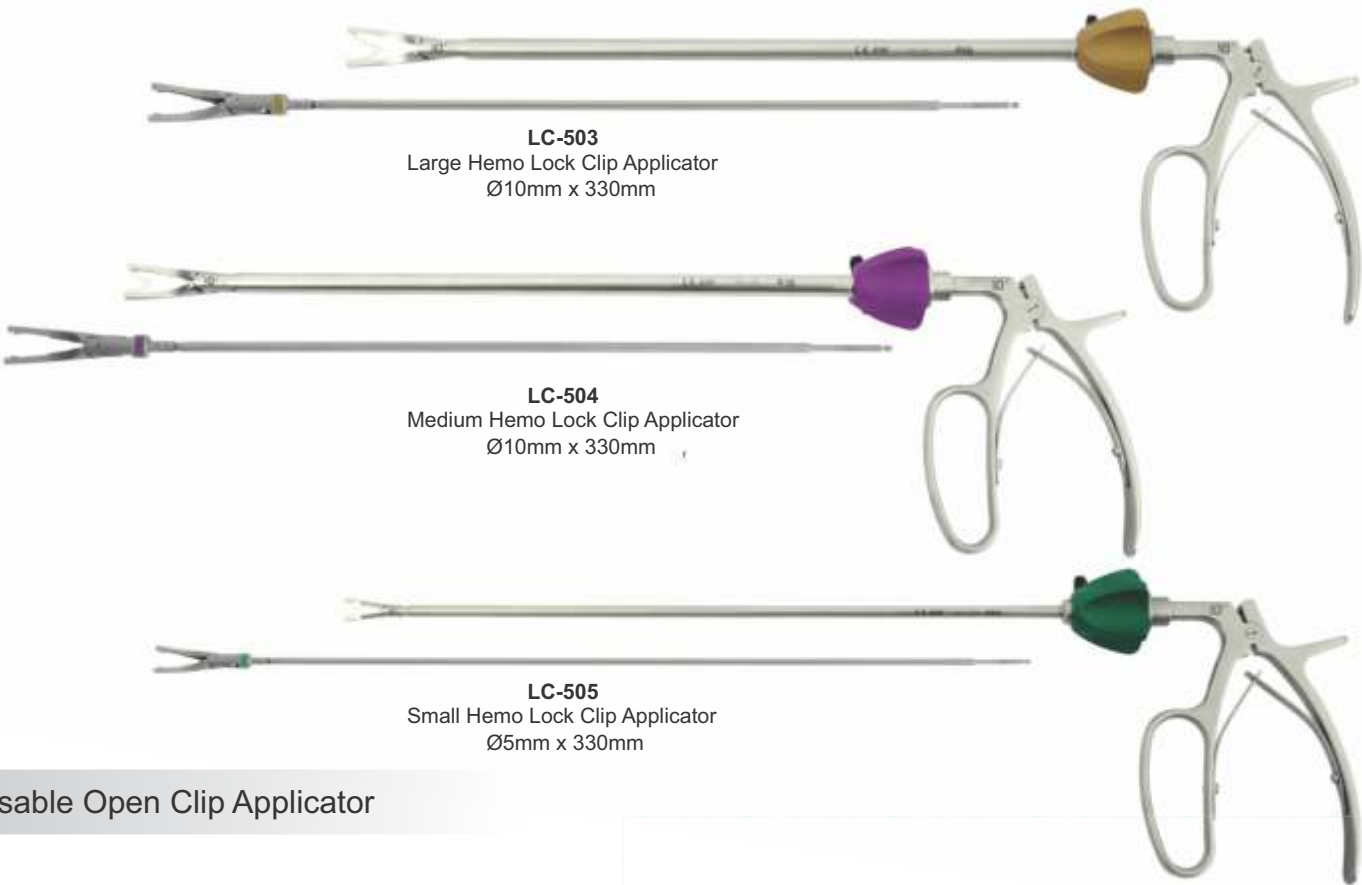
Single Action

Clip Size	Ø5 x 330 mm	Ø5 x 450 mm	Ø10 x 330 mm	Ø10 x 450 mm
LT 200	LC-505	LCB-505	-	-
LT 300	-	-	LC-506	LCB-506
LT 400	-	-	-	-

Doul Action

Clip Size	Ø5 x 330 mm	Ø5 x 450 mm	Ø10 x 330 mm	Ø10 x 450 mm
LT 200	LC-501	LCB-501	-	-
LT 300	-	-	LC-502	LCB-502
LT 400	-	-	-	-

Reusable Polymer Ligation Clip Applicator



LC-503
Large Hemo Lock Clip Applicator
Ø10mm x 330mm

LC-504
Medium Hemo Lock Clip Applicator
Ø10mm x 330mm

LC-505
Small Hemo Lock Clip Applicator
Ø5mm x 330mm

Reusable Open Clip Applicator

Clip Size	Titanium Clips	Hemolock Clips
LT 200	LO-501	LO-601
LT 300	LO-502	LO-602
LT 400	LO-503	LO-603



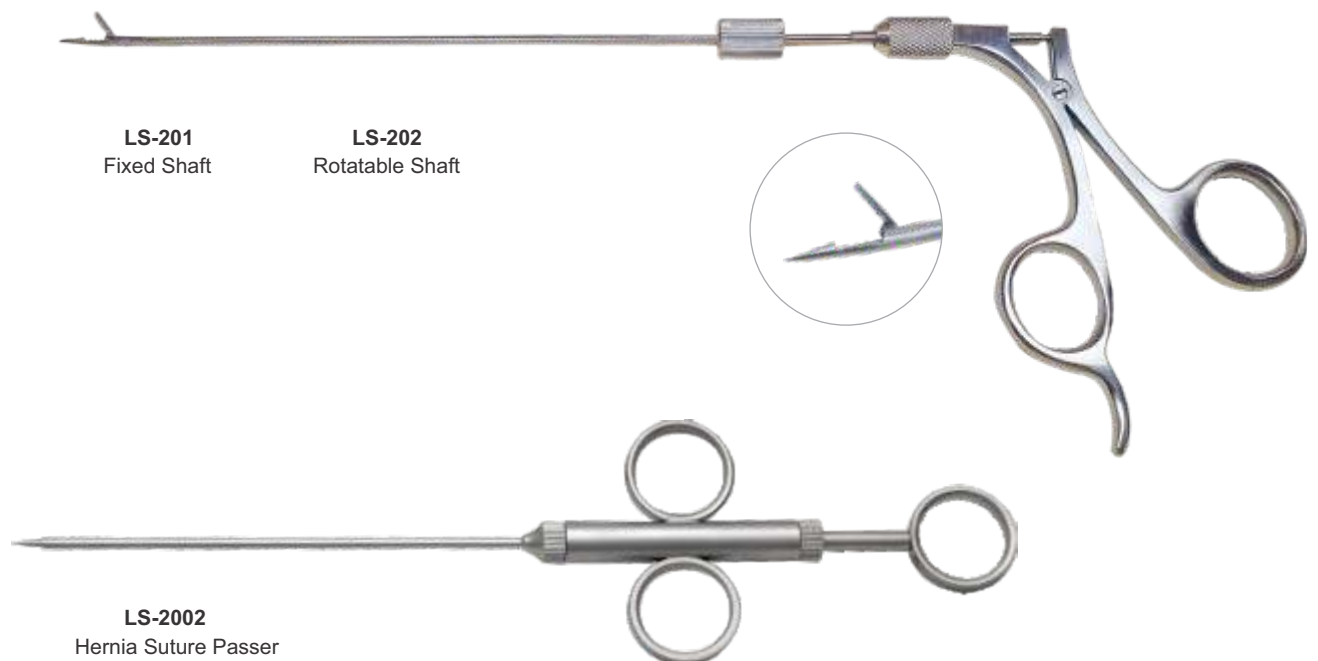
Reusable Claw Forceps



Reusable Spoon Forceps



Reusable Suture Passer



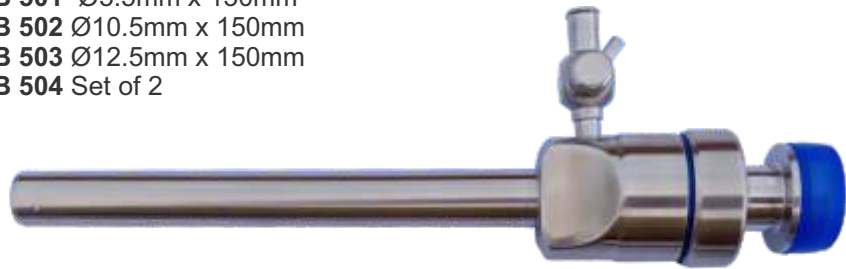
Reusable Trocars

Pyramid Tip Gate wall
LT 501 Ø5.5mm x 100mm
LT 502 Ø10.5mm x 100mm
LT 503 Ø12.5mm x 100mm
LT 504 Set of 2

Pyramid Tip (Bariatric)
LTB 501 Ø5.5mm x 150mm
LTB 502 Ø10.5mm x 150mm
LTB 503 Ø12.5mm x 150mm
LTB 504 Set of 2



Rubber Seal
LT 501S Ø5.5mm
LT 502S Ø10.5mm



Safety Shield Magnet Gate
LT 601 Ø5.5mm x 100mm
LT 602 Ø10.5mm x 100mm
LT 603 Ø12.5mm x 100mm
LT 604 Set of 2

Safety Shield Magnet Gate (Bariatric)
LTB 601 Ø5.5mm x 150mm
LTB 602 Ø10.5mm x 150mm
LTB 603 Ø12.5mm x 150mm
LTB 604 Set of 2

Reusable Reducers

Neck Reducer
NR-601 Ø10.5mm x 100mm
NR-602 Ø10.5mm x 120mm

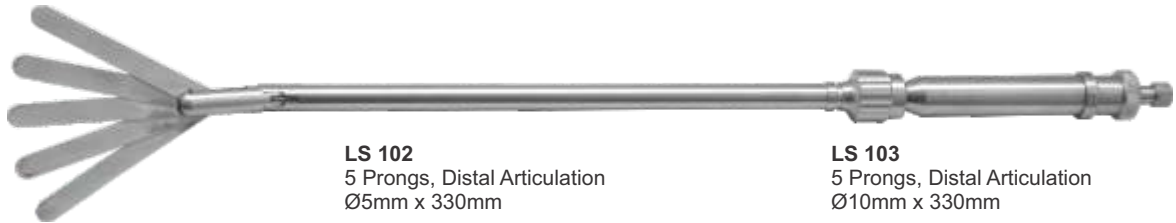


Sleeve Reducer
LR-601 Ø10.5mm x 100mm
LR-602 Ø10.5mm x 120mm


Reusable Veress Needle


Veress Needle
LS 108 Ø2.5 x 100mm
LSB 108 Ø2.5 x 150mm

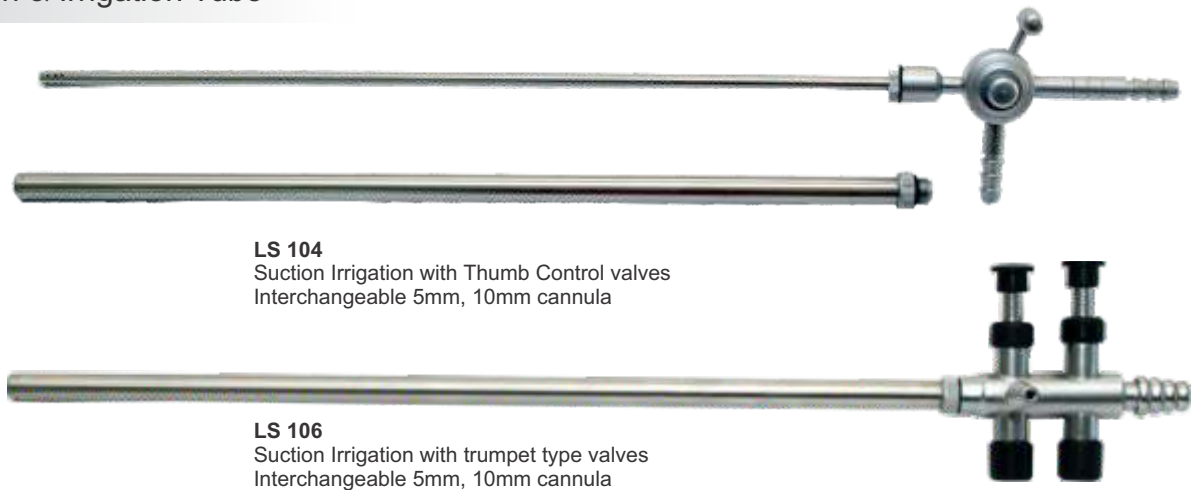
Reusable Liver Retractor



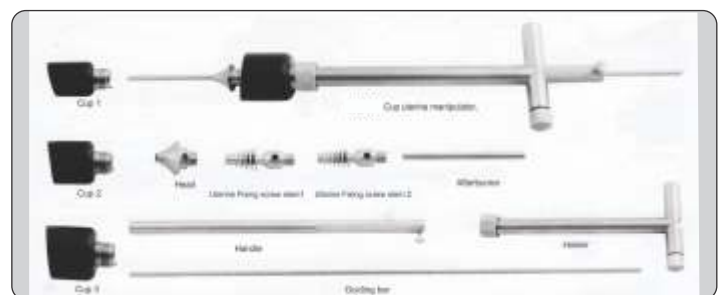
Reusable Snake Retractor 5mm x 330mm



Reusable Suction & Irrigation Tube



Reusable Uterine Manipulator



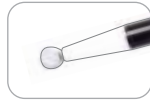
Reusable Electric Coagulation instruments



L Hook Ceramic Tip 90°
LH-103 Ø5mm x 330mm
LHB-103 Ø5mm x 450mm



Needle Electrode Ceramic Tip
LH-107 Ø5mm x 330mm
LHB-107 Ø5mm x 450mm



Spatula Electrode Ceramic
LH-110 Ø5mm x 330mm
LHB-110 Ø5mm x 450mm



Ball Electrode
LH-103 Ø5mm x 330mm
LHB-103 Ø5mm x 450mm



L Hook Tip 90°
LHP-101 Ø3mm x 220mm
LH-101 Ø5mm x 330mm
LHB-101 Ø5mm x 450mm

Reusable Suction L Hook



Suction L Hook Tip 90°
LH-102 Ø5mm x 330mm
LHB-102 Ø5mm x 450mm

Reusable Knot Pushers



Pencil Nose
LK-204 Ø5mm x 330mm
LKB-204 Ø5mm x 450mm



Open End Straight
LK-201 Ø5mm x 330mm
LHB-201 Ø5mm x 450mm



Eye Shaped
LK-203 Ø5mm x 330mm
LKB-203 Ø5mm x 450mm



Open End Curved
LK-202 Ø5mm x 330mm
LHB-202 Ø5mm x 450mm

Reusable Aspiration Needle



LS-101

Reusable Myoma Screws



LS-111 Ø5mm x 330mm
LSB-111 Ø5mm x 450mm



LS-112 Ø10mm x 330mm
LSB-112 Ø10mm x 450mm

MARYLAND Dissecting Forceps, Curved



Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
With Ratchet	-	-	-
Without Ratchet	LDP-3301	LDS-3301	LDB-3301



METZENBAUM Curved Scissors



Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
With Ratchet	-	-	-
Without Ratchet	LDP-3302	LDS-3302	LDB-3302



ENDO Clinch Grasping Forceps Fenestrated



Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
With Ratchet	LDP-3303R	LDS-3303R	LDB-3303R
Without Ratchet	LDP-3303	LDS-3303	LDB-3303



YOHAN Grasping Forceps, Fenestrated



Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
With Ratchet	LDP-3304R	LDS-3304R	LDB-3304R
Without Ratchet	LDP-3304	LDS-3304	LDB-3304

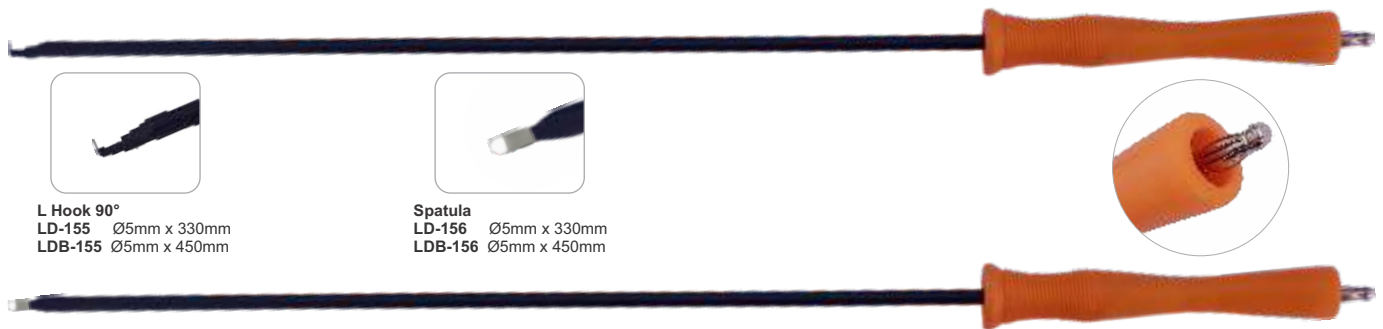


BABCOCK Grasping Forceps



Ratchet System	Pediatric Ø3 x 220 mm	Standard Ø5 x 330 mm	Bariatric Ø5 x 450 mm
With Ratchet	LDP-3305R	LDS-3305R	LDB-3305R
Without Ratchet	LDP-3305	LDS-3305	LDB-3305



Disposable Electric Coagulation instruments


L Hook 90°
LD-155 Ø5mm x 330mm
LDB-155 Ø5mm x 450mm

Spatula
LD-156 Ø5mm x 330mm
LDB-156 Ø5mm x 450mm

Disposable Camera Sleeve Drape Cover & Endo Bags


LD-202

LD-202-06


LAPMAS Professional Laparoscopic Simulators LC-3306

- 👍 **LAPMAS Training Box With Led Light.**
- 👍 **Navigable Hd Camera.**
- 👍 **9 Port Insertion Positions.**
- 👍 **1 Gyne Port.**
- 👍 **Auto/optional Recording System.**
- 👍 **17" Lcd With Stand.**
- 👍 **10 Comprehensive Training Modules.**
- 👍 **Instruments Kit.**


Instruments Kit LIK-3307

- 👍 **Needle Holder Ergonomic Handle.**
- 👍 **Reusable Curved Scissor.**
- 👍 **Reusable Maryland.**
- 👍 **Reusable Yohan Grasper.**



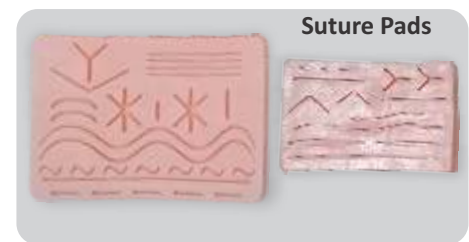
LAPRIC Portable Laparoscopic Simulators LC-3302

- 👍 **LAPRIC** Portable trainer.
- 👍 With OR without camera.
- 👍 7 Port Insertion Positions.
- 👍 Can be use with a smart phone and a tablet.
- 👍 Ideal for surgical residents.
- 👍 6 Comprehensive Training Modules.
- 👍 Instruments Kit.



SKILLMAN Portable Open Surgery Simulators LC-3307

- 👍 **SKILLMAN** skill board.
- 👍 5 Work Stations .
- 👍 With 3 Suture Pads.
- 👍 3 Stations for Knot Tying.
- 👍 Instruments Kit.



Training Modules For LAPMAS & LAPRIC



Cutting Board

LC-3401



Ball Placement

LC-3402



Suturing Board

LC-3403



Suture Pad

LC-3404



Suture Pad

LC-3405



Stretch & Hang

LC-3406



Ring Passing

LC-3407



Thread Passing

LC-3408



Knot Tying

LC-3409



Peg Transfer

LC-3410

HygeiaMedical



Hygeia Medical Ltd. Reg. 616490 EUDAMED SRN IE-AR-000023941 TRN 3957302JH

www.hygeia.icu



IRELAND - GERMANY - MALAYSIA - INDONESIA - PHILIPPINES - AUSTRALIA