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**ENDO SURGE**



Disposable Trocar

- Durable universal seal, no reducer needed
- Threaded design maximizes abdominal wall retention
- Recessed stopcock valve
- Autosshield / Optical / Bladeless



Disposable Trocar



Auto-shielded 101Y.402 5×100mm  
101Y.405 10×100mm  
101Y.407 12×100mm



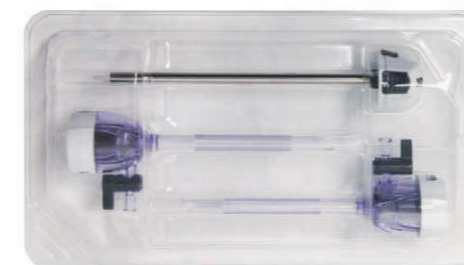
Bladeless 101Y.202 5×100mm  
101Y.205 10×100mm  
101Y.207 12×100mm



Optical 101Y.301A 3×65mm  
101Y.303A 5×70mm  
101Y.302 5×100mm  
101Y.305 10×100mm  
101Y.307 12×100mm



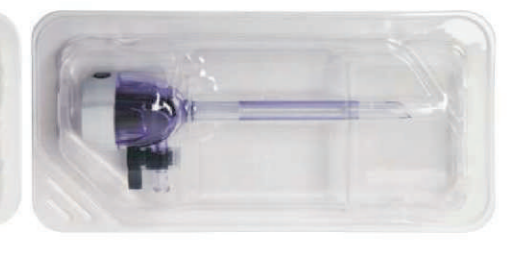
Optical 101Y.602 5×100mm  
101Y.605 10×100mm  
101Y.607 12×100mm



3 / 5 mm: 12 pcs / box  
10 / 12 mm: 10 pcs / box



3 / 5 mm: 8 pcs / box  
10 / 12mm: 6 pcs / box



3 / 5 mm: 12 pcs / box  
10 / 12 mm: 10 pcs / box

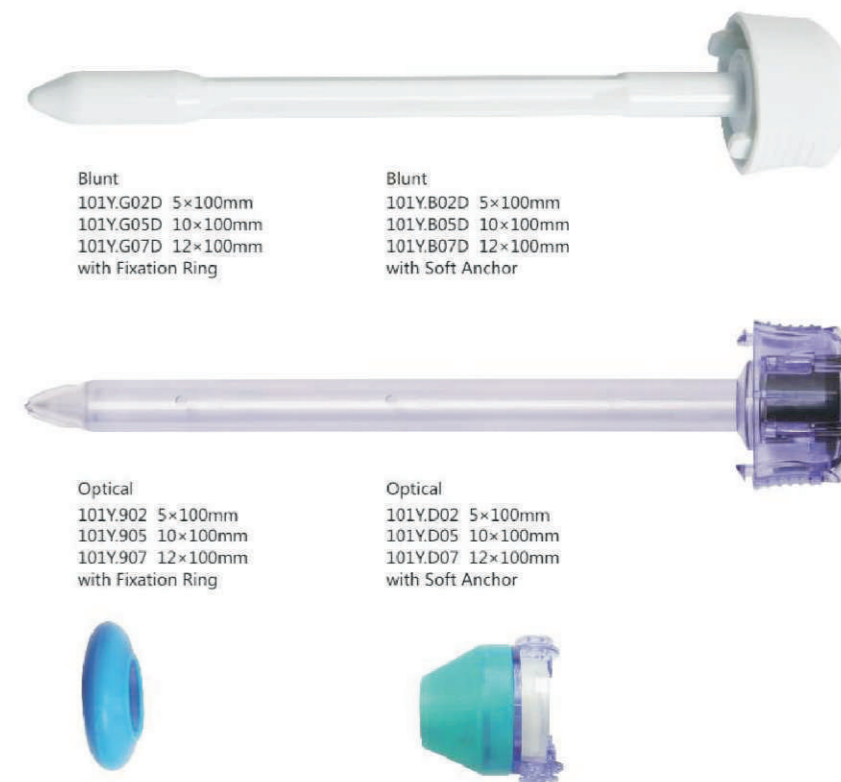
Disposable Trocar (Hasson)

- Durable universal seal, no reducer needed
- Recessed stopcock valve
- Unique fixing design
- Optical / blunt tip



Obturator For Hasson Trocar

3 / 5 mm: 8 pcs / box  
10 / 12 mm: 6 pcs / box



Disposable Pediatric Trocar

- Designed for Infants
- Smaller OD
- Stainless steel cannula

10 pcs / box





**Disposable Trocar (Single Port)**

- Ensure a large floating angle for instruments
- Soft material with nice leak proofness
- Easy to get tissues out of the bigger opening
- Simple design to ensure an easy assembly and disassembly
- No extra scars left after surgery



Wound protector:ODΦ70mm/90mm



Trocar Cannula: IDΦ6/Φ11/Φ13mm

**Specification**

101Y.F53	Cannula ( Φ5×2、 Φ10×1、 Φ12×1 ) +Wound Protector (70mm)	1pc/box
101Y.F63	Cannula ( Φ5×2、 Φ10×1、 Φ12×1 ) +Wound Protector (90mm)	

**Disposable Thoracoscopic Trocar**

10 pcs / box



101Y.510 Φ6×65mm



101Y.512 Φ10×65mm



101Y.513 Φ12×65mm

**Disposable Orthopedics Trocar**

18 pcs / box



101Y.553 Φ8×120mm



101Y.552 Φ8×100mm



101Y.551 Φ6×120mm



101Y.550 Φ6×100mm

**Disposable Veress Needle**

- Big size spring-loaded stylet provides loud audible "click" when passing through tissue layers
- Visible red indicator of needle position.
- Sharp tip for easy insertion.
- High flow stopcock
- Two sizes with 120/150 mm length are available.

10 pcs / box



Veress Needle  
105Y.202 2.2×120mm  
105Y.205 2.2×150mm



Veress Needle  
105Y.208 2.2×120mm  
105Y.209 2.2×150mm





Disposable Laparoscopic Instrument

- Light, well balanced
- Smooth rotation of jaws
- Comfortable easy open and close handle
- Double hinge design insure maximum jaw opening and accurate jaw motion
- Colors of reel could be customized.



106Y.201 Curved Scissor, High-insulation(17mm)

106Y.203 Curved Scissor, High-insulation Short Blade(12mm)

107Y.201 Maryland(19mm)

108Y.201 Clinch(22mm)

108Y.202 Fenestrated Grasper(17mm)

108Y.203 Babcock(17mm)

108Y.204 Fenestrated Babcock(21mm)

108Y.205 Blunt(19mm)

108Y.206 Fenestrated Grasper, Long(22mm)

108Y.207 Fenestrated Intestinal Grasper(35mm)

108Y.208 Fenestrated Gastric Forceps (22mm)

12 pcs / box

Disposable Bipolar

- Unified handle for same hand feeling
- Exceptional safety and security
- Integrated cable



109Y.201 Straight

109Y.202 Curved

5 pcs / box

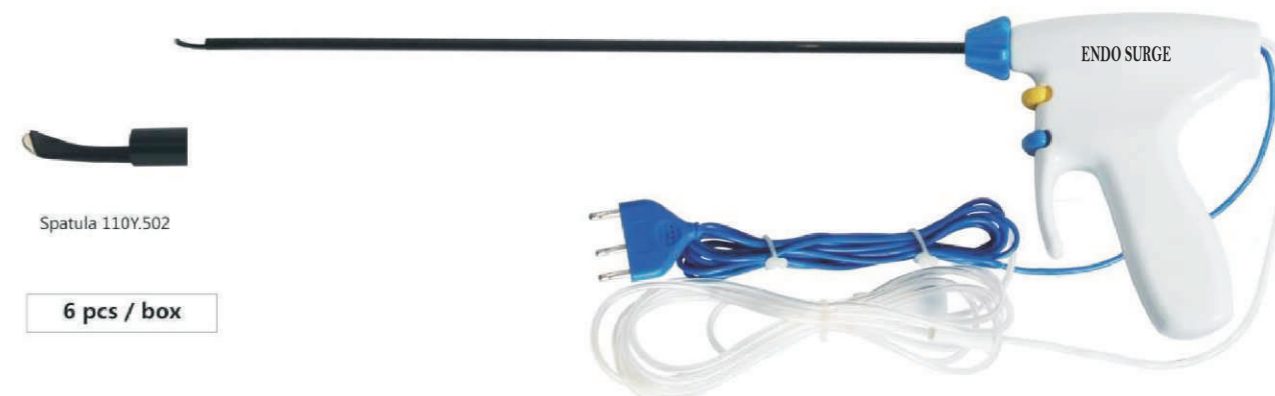
Disposable Monopolar HF Electrode



Hook 110Y.101 without cable  
110Y.201 with cable

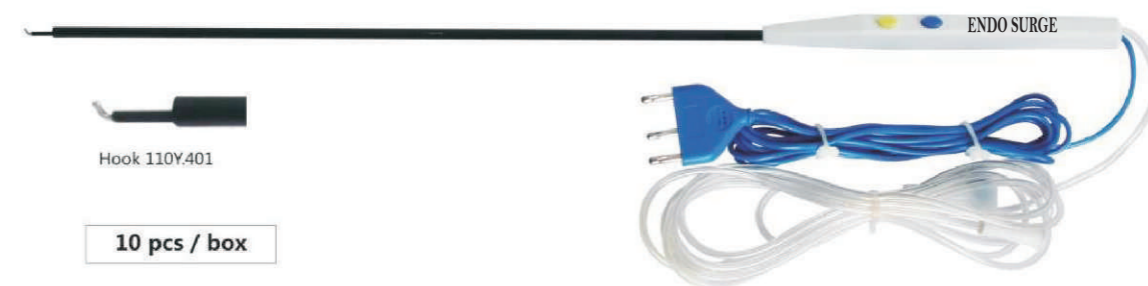
10 pcs / box

Disposable Monopolar HF Electrode with Smoke Suction



Spatula 110Y.502

6 pcs / box



Hook 110Y.401

10 pcs / box

Disposable Bipolar with Cutting

- Unified handle for same hand feeling
- Exceptional safety and security
- Coagulate, cutting
- With ratchet system
- Integrated cable



109Y.601 Straight

1 pc / box

Reusable Instrument (Disposable Shaft + Reusable Handle)

- Economical
- Perfect compatible with reusable handle

6 pcs / box



106Y.401 Curved Scissor, High-insulation(17mm)

106Y.404 Curved Scissor, High-insulation Short Blade(12mm)



107Y.401 Maryland(19mm)



108Y.401 Clinch(22mm)



108Y.402 Fenestrated Grasper(17mm)



108Y.403 Babcock(17mm)



108Y.404 Fenestrated Babcock(21mm)



108Y.405 Blunt(19mm)



108Y.406 Fenestrated Grasper, Long(22mm)



108Y.421 Fenestrated Intestinal Grasper (35mm)



108Y.419 Fenestrated Gastric Forceps(22mm)



101F.001A



101F.002A

Disposable Retrieval Bag

- Nitinol spring for extra-strength
- TPU bag for superior durability
- Exceptional safety and security



Endobag  
104Y.103 100x135mm  
104Y.104 150x200mm

50 pcs / box



104Y.203 10x330mm 135x150mm / 300ml  
104Y.204 10x330mm 125x200mm / 500ml  
104Y.211 12.5x330mm 180x200mm / 1000ml



104Y.303 10x330mm 135x150mm / 300ml  
104Y.304 10x330mm 125x200mm / 500ml  
104Y.311 12.5x330mm 180x200mm / 1000ml

12 pcs / box

Disposable Suction / Irrigation

- Quick probe exchange
- Phthalate free of PVC tubing set
- Transparent hand-piece for visualization of fluid
- Superior ergonomically designed for both right and left hand



102Y.102 Φ5x330 Without Tube

15 pcs / box



102Y.202 Φ5x330mm

6 pcs / box





Polymer Ligation Clip, Clip Applier



103Y.501 Clips (XL)



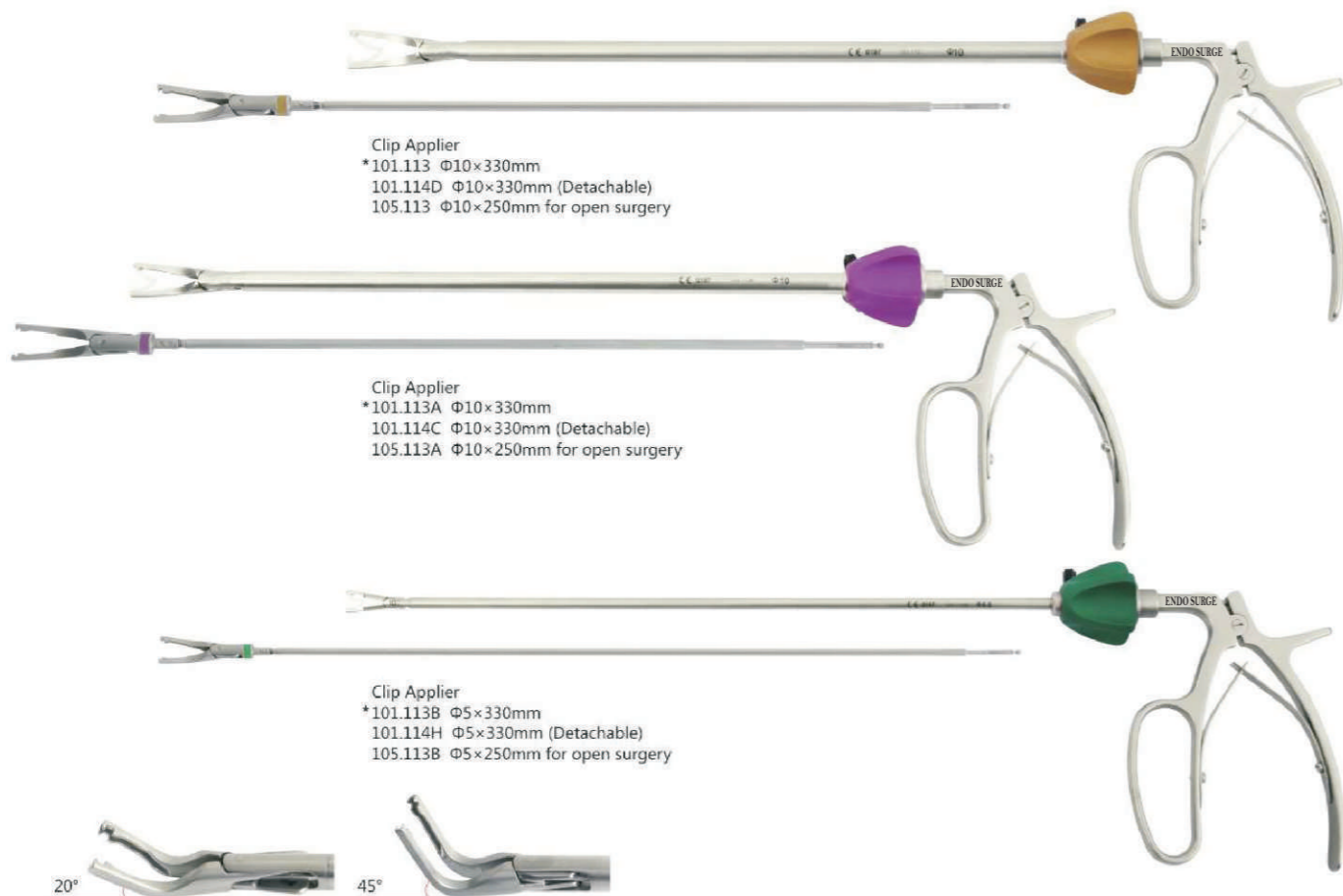
103Y.401 Clips (L)



103Y.301 Clips (ML)



6 pcs / cartridge, 14 cartridges / box



Clip Applier  
\*101.113  $\Phi 10 \times 330$ mm  
101.114D  $\Phi 10 \times 330$ mm (Detachable)  
105.113  $\Phi 10 \times 250$ mm for open surgery

Clip Applier  
\*101.113A  $\Phi 10 \times 330$ mm  
101.114C  $\Phi 10 \times 330$ mm (Detachable)  
105.113A  $\Phi 10 \times 250$ mm for open surgery

Clip Applier  
\*101.113B  $\Phi 5 \times 330$ mm  
101.114H  $\Phi 5 \times 330$ mm (Detachable)  
105.113B  $\Phi 5 \times 250$ mm for open surgery



Clip Applier For Open Surgery

For XL Clips  
101.115-9 250mm-9°  
101.115-30 250mm-30°  
101.115-70 280mm-70°



For L Clips  
101.115A-9 250mm-9°  
101.115A-30 250mm-30°  
101.115A-70 280mm-70°



For ML Clips  
101.115B-9 250mm-9°  
101.115B-30 250mm-30°  
101.115B-70 280mm-70°

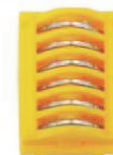


Clip Remover

For L Polymer clips  
101.131  $\Phi 5.5 \times 330$ mm



Titanium Ligation Clip, Clip Applier



111Y.201  
Clips ( L )  
( LT400 )



111Y.202  
Clips ( ML )  
( LT300 )

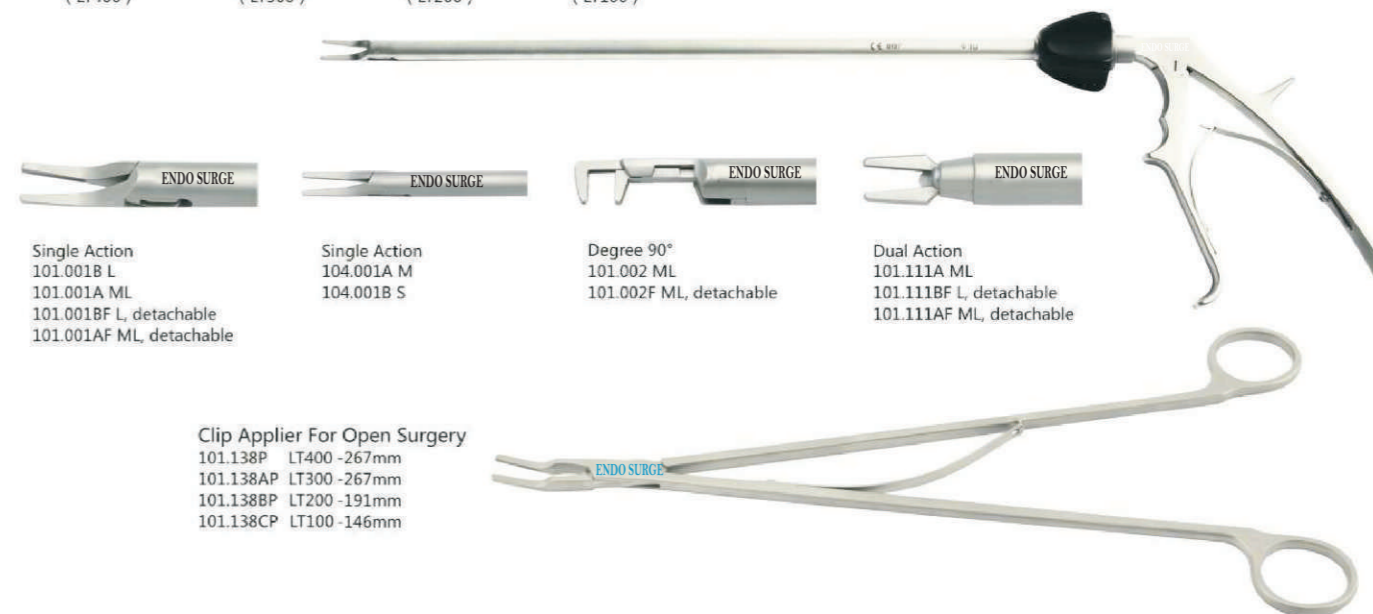


111Y.203  
Clips ( M )  
( LT200 )



111Y.204  
Clips ( S )  
( LT100 )

6 pcs / cartridge, 20 cartridges / box



Single Action  
101.001B L  
101.001A ML  
101.001BF L, detachable  
101.001AF ML, detachable

Single Action  
104.001A M  
104.001B S

Degree 90°  
101.002 ML  
101.002F ML, detachable

Dual Action  
101.111A ML  
101.111BF L, detachable  
101.111AF ML, detachable

Clip Applier For Open Surgery  
101.138P LT400 -267mm  
101.138AP LT300 -267mm  
101.138BP LT200 -191mm  
101.138CP LT100 -146mm

Artery/Vein Clip, Clip Applier



101.120B  $\Phi 10 \times 360$ mm

101.120 Bulldog  $\Phi 12.5 \times 360$ mm

101.120-F0500 Jaw 45 curved  
101.120-F1400 Jaw 65 curved

101.120-F0400 Jaw 45 straight  
101.120-F0100 Jaw 65 straight

Trocar



Silicon Sealing  
101.003  $\Phi$ 5.5×95mm  
101.004  $\Phi$ 10.5×95mm  
101.008  $\Phi$ 12.5×95mm



Magnetic Ball  
101.003B  $\Phi$ 5.5×95mm  
101.004B  $\Phi$ 10.5×95mm



Manual Lever  
101.003A  $\Phi$ 5.5×95mm  
101.004A  $\Phi$ 10.5×95mm  
101.008A  $\Phi$ 12.5×95mm



Magnetic Sheet  
101.003C  $\Phi$ 5.5×95mm  
101.004C  $\Phi$ 10.5×95mm  
101.008C  $\Phi$ 12.5×95mm



Manual Lever  
101.257  $\Phi$ 5.5×95mm  
101.256  $\Phi$ 6×95mm  
101.255  $\Phi$ 10.5×95mm  
101.254  $\Phi$ 11×95mm

- Each type apply to un-threaded / threaded cannulae
- Each type apply to pyramidal / autoshield / oblique autoshield tip



Pyramidal

Autoshield

Oblique Autoshield

Un-threaded

Threaded

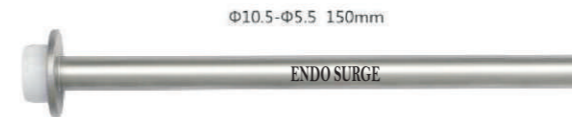


Trocar  
201.008  $\Phi$ 5.5mm  
201.009  $\Phi$ 8.5mm  
201.010  $\Phi$ 10.5mm  
201.011  $\Phi$ 12.5mm



Trocar  
101.108  $\Phi$ 5.5×88mm  
101.109  $\Phi$ 10.5×88mm

Reducer



$\Phi$ 10.5- $\Phi$ 5.5 150mm  
Sleeve  
101.010-100  $\Phi$ 10.5- $\Phi$ 5.5 100mm  
101.010-120  $\Phi$ 10.5- $\Phi$ 5.5 120mm  
101.010-150  $\Phi$ 10.5- $\Phi$ 5.5 150mm  
101.010-180  $\Phi$ 10.5- $\Phi$ 5.5 180mm



Adapter  
101.145  $\Phi$ 10.5- $\Phi$ 5.5mm



Adapter  
101.146  $\Phi$ 10.5- $\Phi$ 5.5mm

Sealing Cap



Sealing Cap  
104.002-1001 3mm



Sealing Cap  
101.003-1001 5mm



Sealing Cap  
101.004-1001 10mm

Veress Needle



Veress Needle  
101.011  $\Phi$ 2.2×110mm  
101.011A  $\Phi$ 2.2×120mm  
101.011B  $\Phi$ 2.2×150mm



101.231 Connector (Small)



101.232 Connector (Medium)

Aspiration Needle

Aspiration Needle  
101.027  $\Phi$ 5×330mm



7# 101.027A

9# 101.027B

12# 101.027

16# 101.027C



18# 101.027D

20# 101.027E

22# 101.027F

Bile Duct Scalpel



101.025



101.025A



101.025 Bile Duct Scalpel  $\Phi$ 5×330mm



101.026 Bile Duct Scalpel  $\Phi$ 10×330mm



Needle Holder

"O" Shape  $\Phi 5 \times 330\text{mm}$

- 101.022 Straight
- 101.022A Curved
- 101.022B Self-righting
- 101.022C Self-righting
- 101.022D Self-righting



Pistol  $\Phi 5 \times 330\text{mm}$

- 101.102 Straight
- 101.102A Curved
- 101.102B Self-righting
- 101.102C Self-righting
- 101.102D Self-righting



"A" Shape, Vertical  $\Phi 5 \times 330\text{mm}$

- 101.244 Straight
- 101.244A Curved
- 101.244B Self-righting
- 101.244C Self-righting
- 101.244D Self-righting



"V" Shape  $\Phi 5 \times 330\text{mm}$

- 101.024 Straight
- 101.024A Curved
- 101.024B Self-righting
- 101.024C Self-righting
- 101.024D Self-righting



Knot Pusher

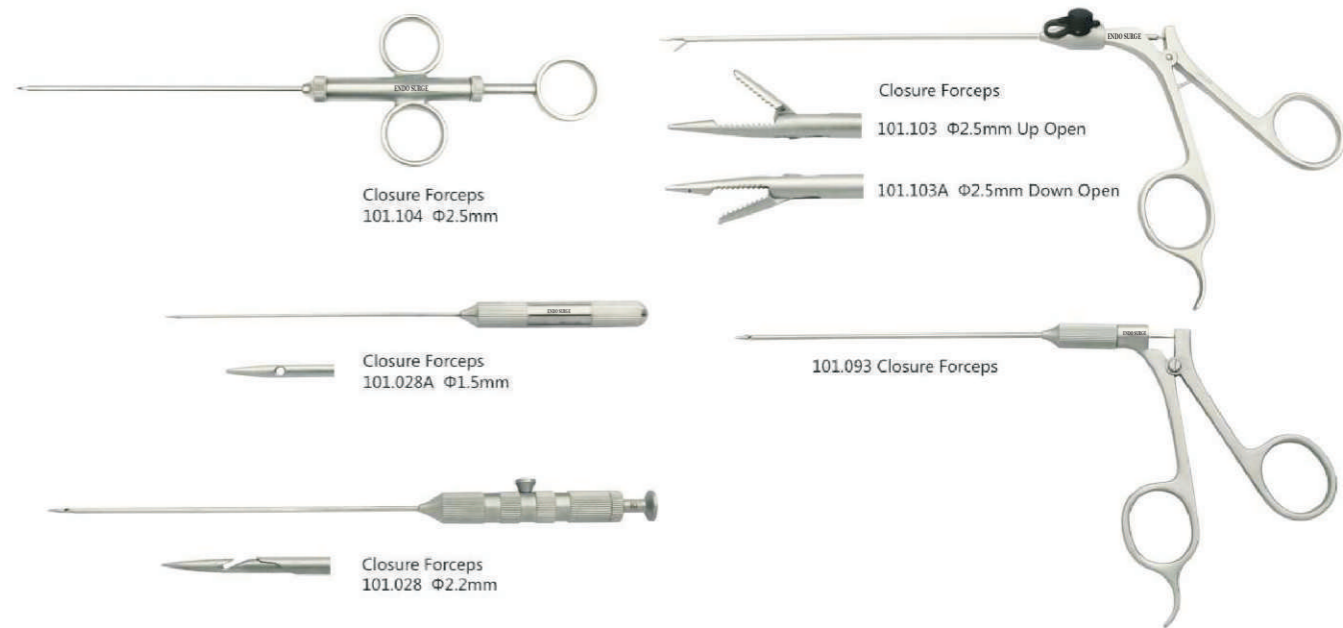
Without Suture Opening  
101.029  $\Phi 5 \times 330\text{mm}$



With Suture Opening  
101.029B  $\Phi 5 \times 330\text{mm}$



Closure Forceps



Purse Stitching Clamp

101.132D Purse Stitching Clamp for laparoscopic surgery



101.132 Purse Stitching Clamp for open surgery



Colon and Rectum Instruments

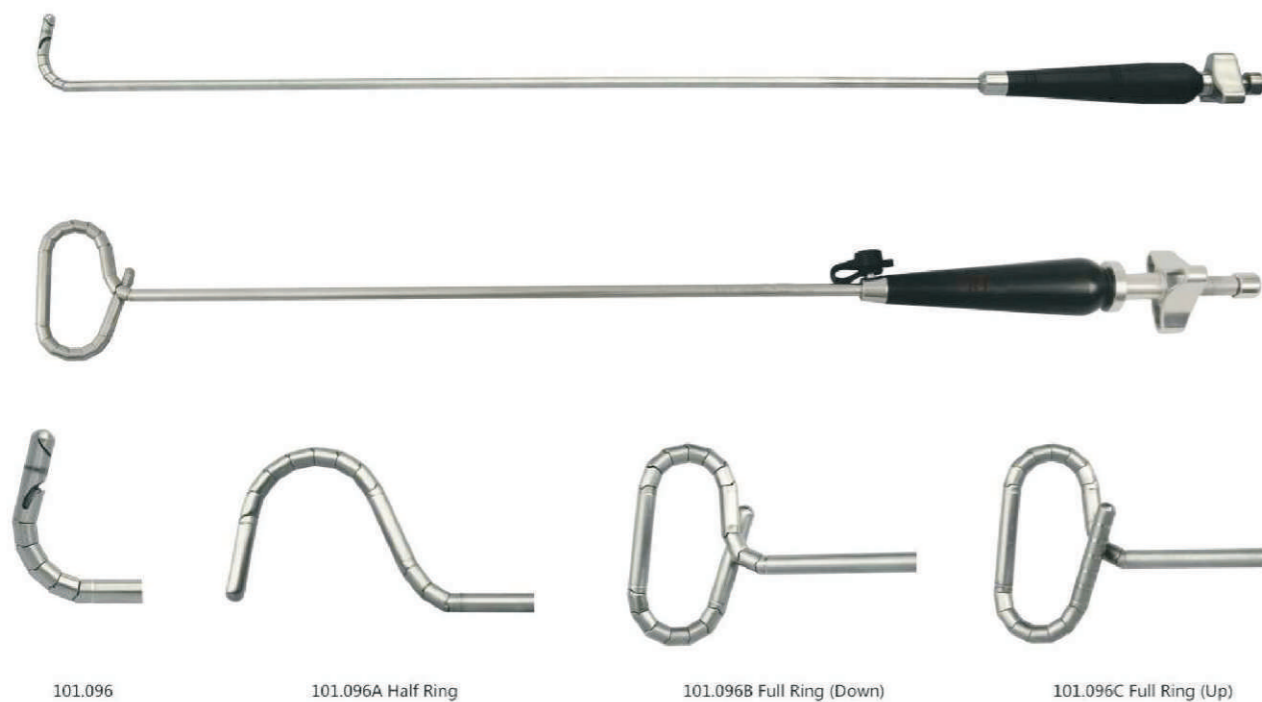


Retractor



Golden Finger

101.096 Golden Finger  $\Phi 5.5 \times 460\text{mm}$



Artery /Nerve Retractor

101.106 Artery /Nerve Retractor  $\Phi 10 \times 330\text{mm}$



Retractor

101.066 Retractor



Spring Grasping Forcep



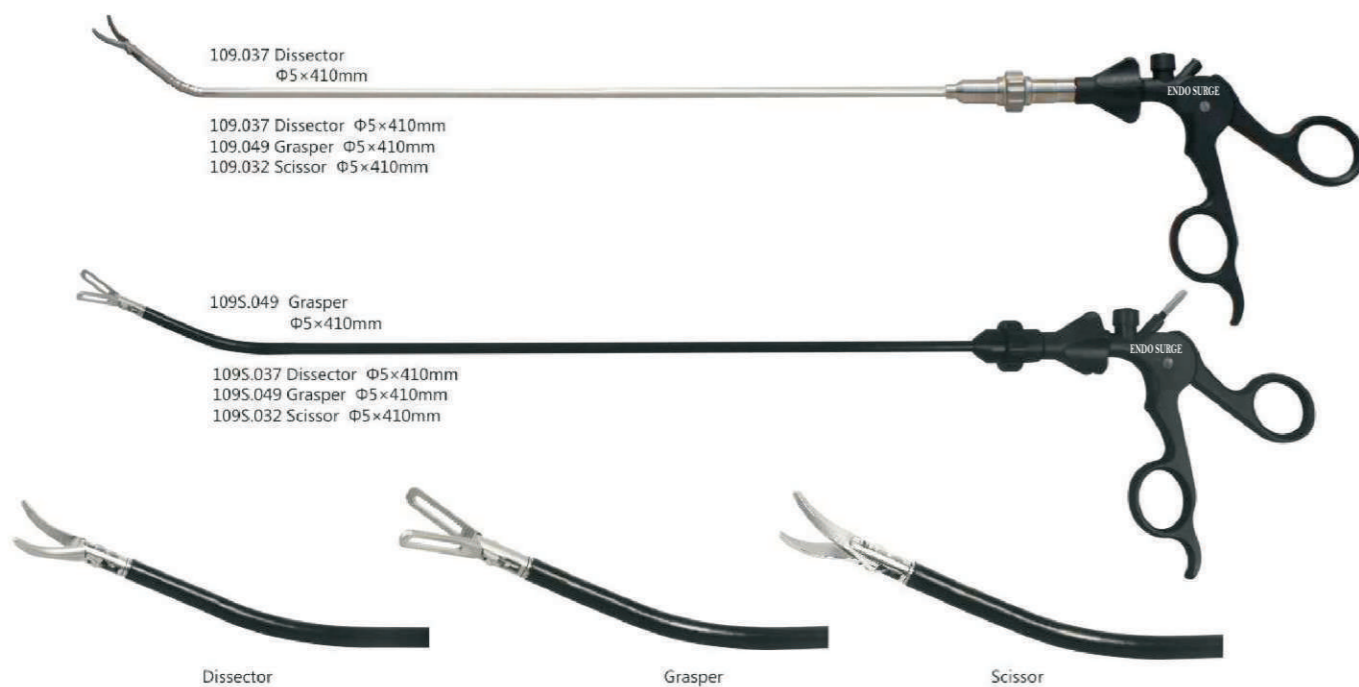
Cholangiography Forcep

101.063 Cholangiography Forcep  
 $\Phi 5 \times 330\text{mm}$





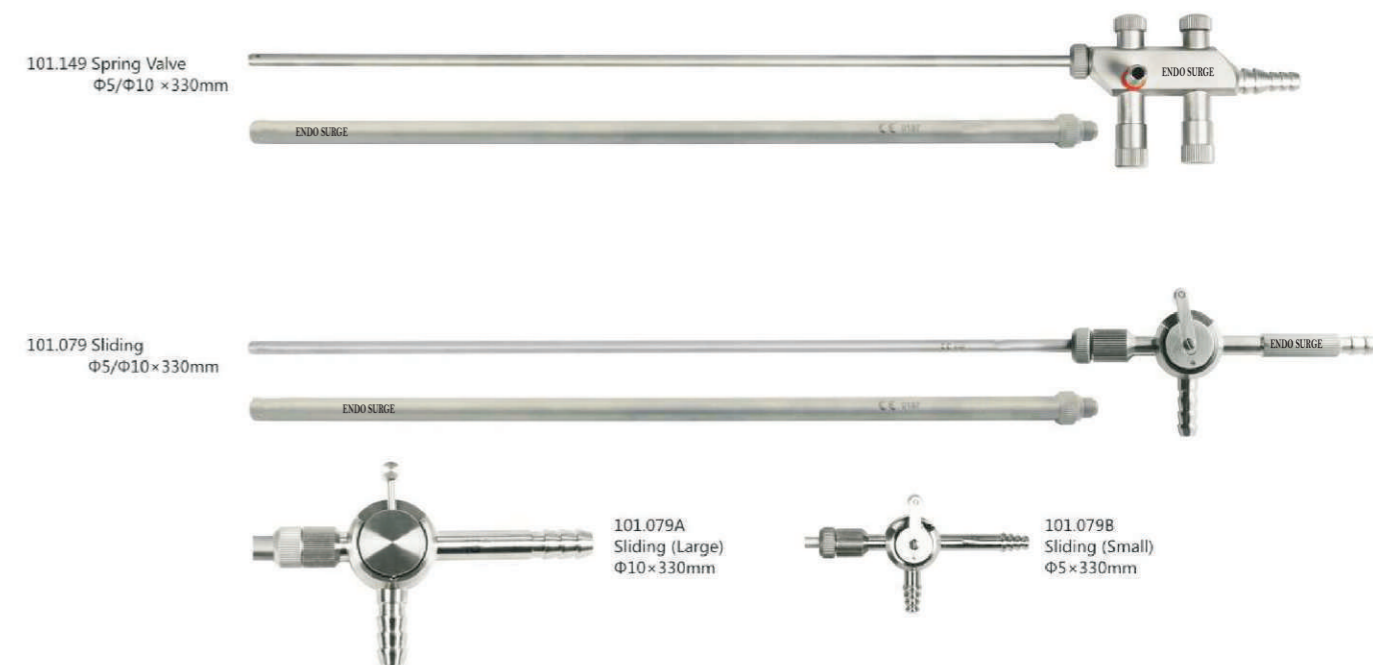
Articulating Instrument



Biliary-Lithotomy Forcep



Suction / Irrigation



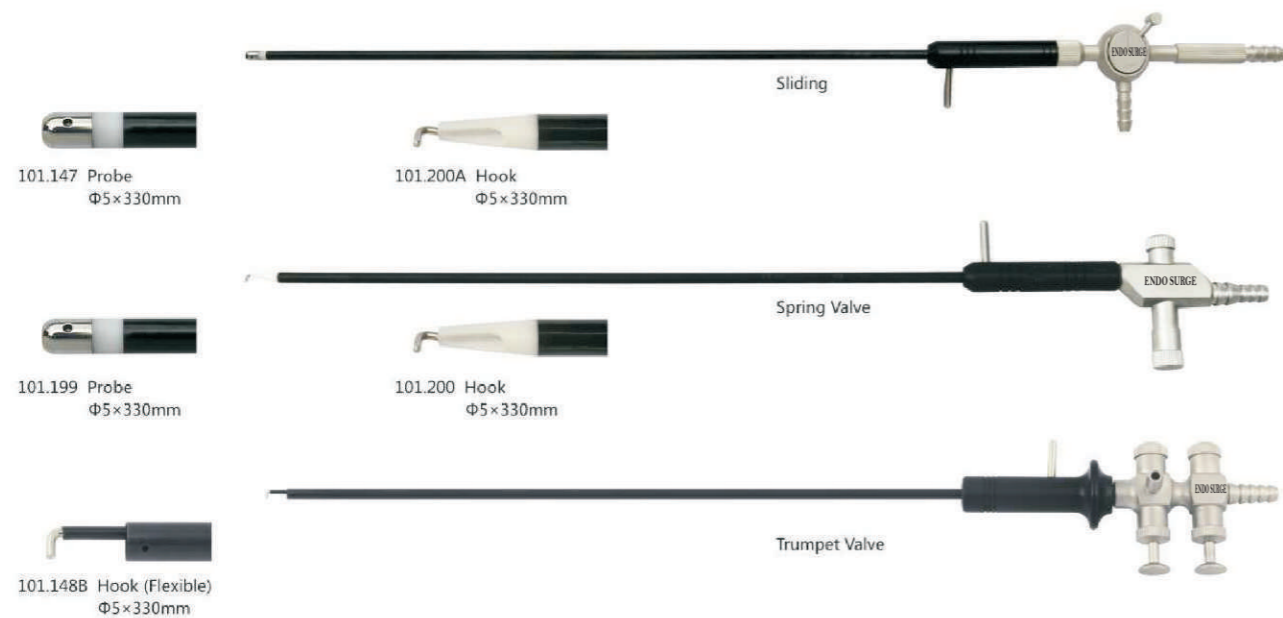
Bipolar



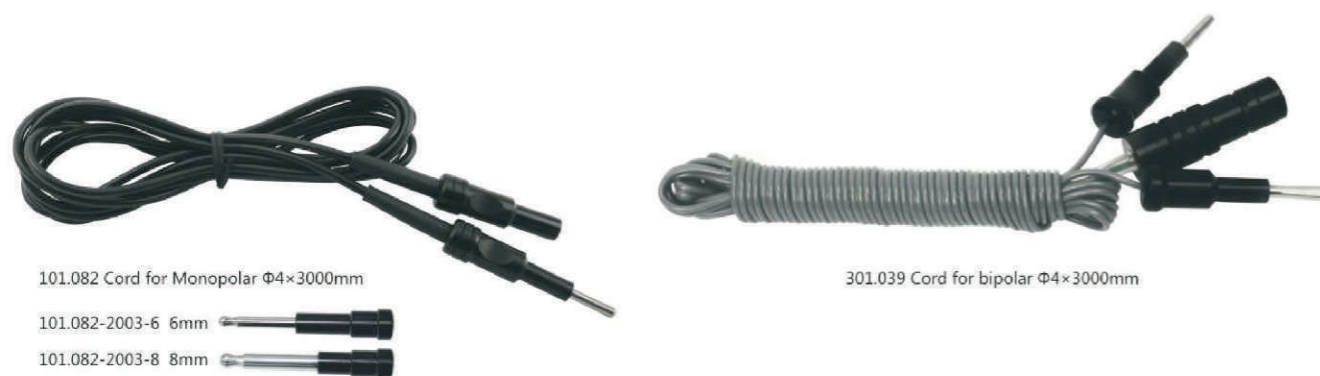
Monopolar HF Electrode



Monopolar HF Electrode with S&I



Cord



Handle



5MM Scissor

Working Length: 330mm/360mm/450mm



5MM Dissector

Working Length: 250mm/330mm\*/450mm \*Regular





5MM Grasper

Working Length: 250mm/330mm\*/450mm \*Regular

- |  |   |  |   |
|--|---|--|---|
|  | 101.042<br>Fenestrated Grasping Forceps<br>(14mm)           |  | 101.048A<br>Babcock Forceps<br>(22mm)                   |
|  | 101.042A<br>Duck Nose Grasper<br>(12mm)                     |  | 101.048B<br>Fenestrated Babcock Forceps<br>(20mm)       |
|  | 101.043<br>Maxi Grasper<br>(18mm)                           |  | 101.049<br>Fenestrated Grasping Forceps<br>(18mm)       |
|  | 101.044<br>Alligator Grasping Forceps<br>(20mm)             |  | 101.049A<br>Long Fenestrated Grasping Forceps<br>(25mm) |
|  | 101.044A<br>Fenestrated Wave Grasping Forceps<br>(17mm)     |  | 101.049B<br>Fenestrated Grasping Forceps<br>(22mm)      |
|  | 101.044B<br>Alligator Grasping Forceps<br>(14mm)            |  | 101.050<br>Blunt Nose Forceps<br>(16mm)                 |
|  | 101.045<br>Fenestrated Grasping Forceps<br>(25mm)           |  | 101.051<br>Dolphin Nose Grasper<br>(16mm)               |
|  | 101.046A<br>Claw Forceps (2+3 teeth),<br>dual action (16mm) |  | 101.052<br>Fenestrated Grasping Forceps<br>(25mm)       |
|  | 101.047<br>Babcock Forceps<br>(21mm)                        |  | 101.053<br>Biopsy Forceps<br>(14mm)                     |
|  | 101.047A<br>Atraumatic Grasper<br>(23mm)                    |  | 101.054<br>Biopsy Forceps with thorn<br>(14mm)          |
|  | 101.048<br>Babcock Forceps<br>(23mm)                        |  | 101.055<br>Biopsy Punch<br>(18mm)                       |

5MM Grasper

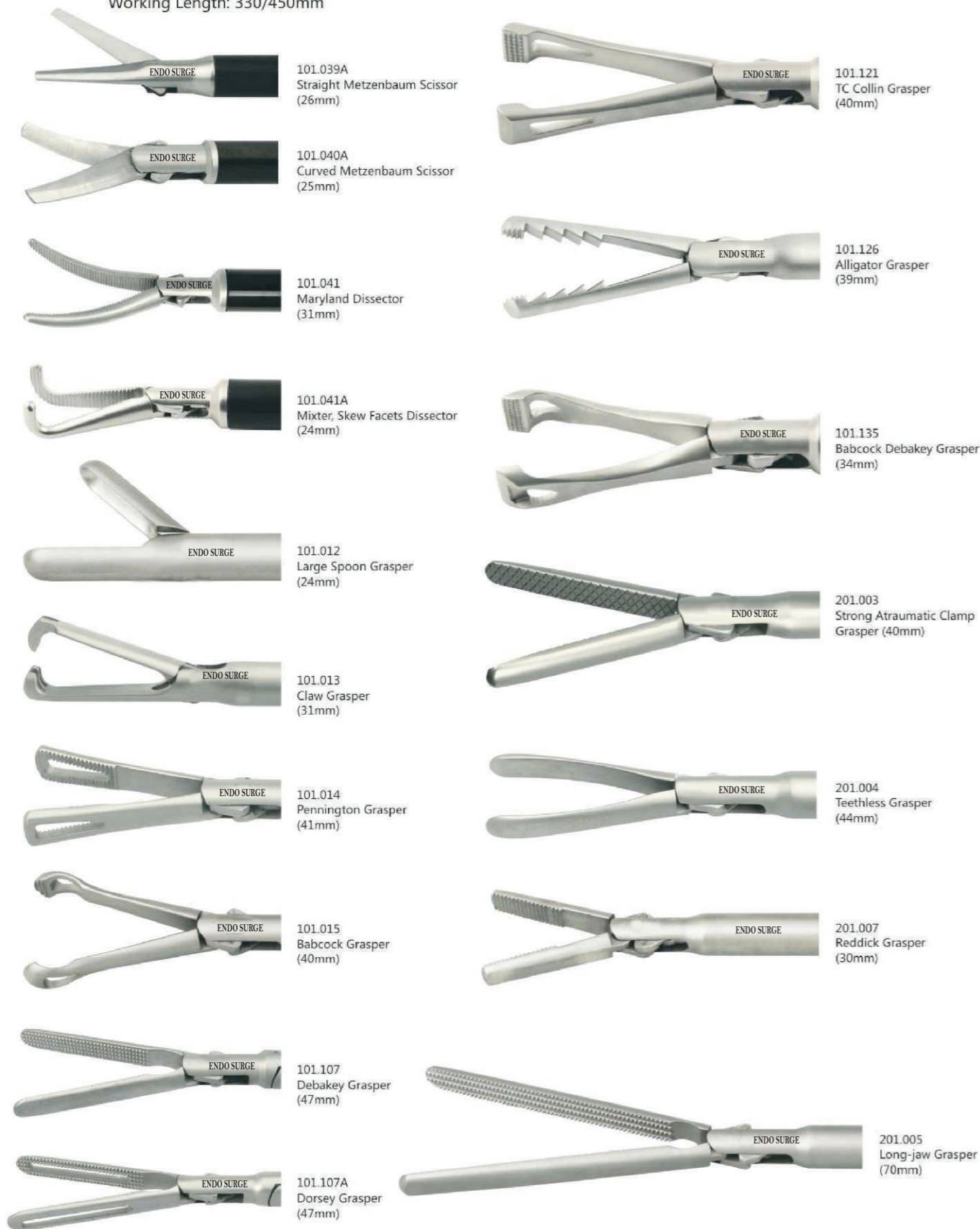
Working Length: 250mm/330mm\*/450mm \*Regular

- |  |  |  |  |
|--|--|--|--|
|  | 101.057<br>Oviduct Atraumatic Forceps<br>(15mm)      |  | 101.105<br>Claw Forceps<br>(2+4 teeth), single action<br>(12mm)          |
|  | 101.057A<br>Oviduct Atraumatic Forceps<br>(11mm)     |  | 101.105A<br>Cobra Grasping Forceps<br>(2+4 teeth), dual action<br>(12mm) |
|  | 101.058<br>Fenestrated Grasping Forceps<br>(18mm)    |  | 101.116<br>Atraumatic Forceps<br>(16mm)                                  |
|  | 101.058B<br>Grasping Forceps<br>(18mm)               |  | 101.133<br>Claw Forceps<br>(20mm)  |
|  | 101.059<br>Allis Grasper<br>(16mm)                   |  | 101.134<br>Babcock Forceps<br>(21mm)                                     |
|  | 101.059A<br>Allis Grasper<br>(18mm)                  |  | 101.195A<br>Cobra Grasping Forceps<br>(1+2 teeth), dual action<br>(17mm) |
|  | 101.060<br>Allis Grasper<br>(16mm)                   |  | 101.198A<br>Fenestrated Grasping Forceps<br>(22mm)                       |
|  | 101.060A<br>Long Allis Grasper<br>(18mm)             |  | 101.198<br>Fenestrated Grasping Forceps<br>(25mm)                        |
|  | 101.061<br>Atraumatic Forceps<br>(14mm)              |  | 101.056 Debakey Forceps (35mm)   |
|  | 101.062<br>Fenestrated Atraumatic Grasper<br>(18mm)  |  | 101.056A Fenestrated Bowel Grasper (35mm)                                |
|  | 101.062A<br>Fenestrated Atraumatic Grasper<br>(16mm) |  | 101.056C Endo-lung Palpation Forceps (38mm)                              |

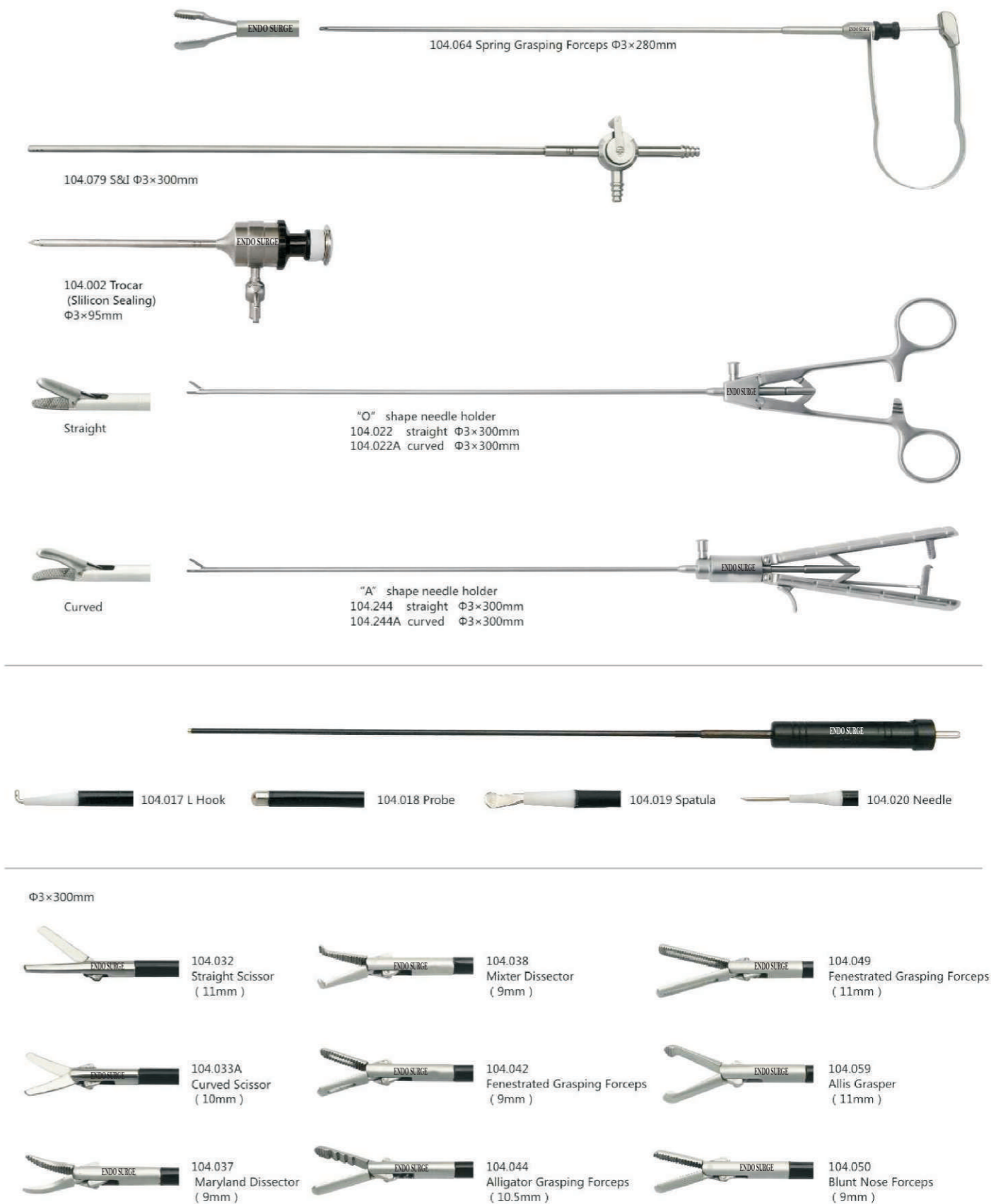


10MM Instrument

Working Length: 330/450mm



Miniature Instruments





Thoracoscopic instruments

Needle Holder



201.119 Straight  
201.119A Curved

Debaquey Grasping Forceps

201.120 Curved, Locking  
201.120A Curved, non-Locking



Debaquey Grasping Forceps

201.121 Curved, Locking 25mm  
201.121A Curved, non-Locking 25mm



Allis Forceps

201.125 Non-locking 25mm



Fenestrated Grasping Forceps

201.126 Non-locking 25mm



Thoracoscopic instruments

Masher Grasping Forceps



201.127 Curved, Jaw Width 8mm  
201.128 Curved, Jaw Width 10mm  
201.129 Curved, Jaw Width 12mm

Debaquey Grasping Forceps

201.130 2.5mm Locking  
201.130A 2.5mm Non-locking  
201.131 3.5mm Locking  
201.131A 3.5mm Non-locking



Metzenbaum Scissor



201.133 Curved

Suction

201.134 4 Types

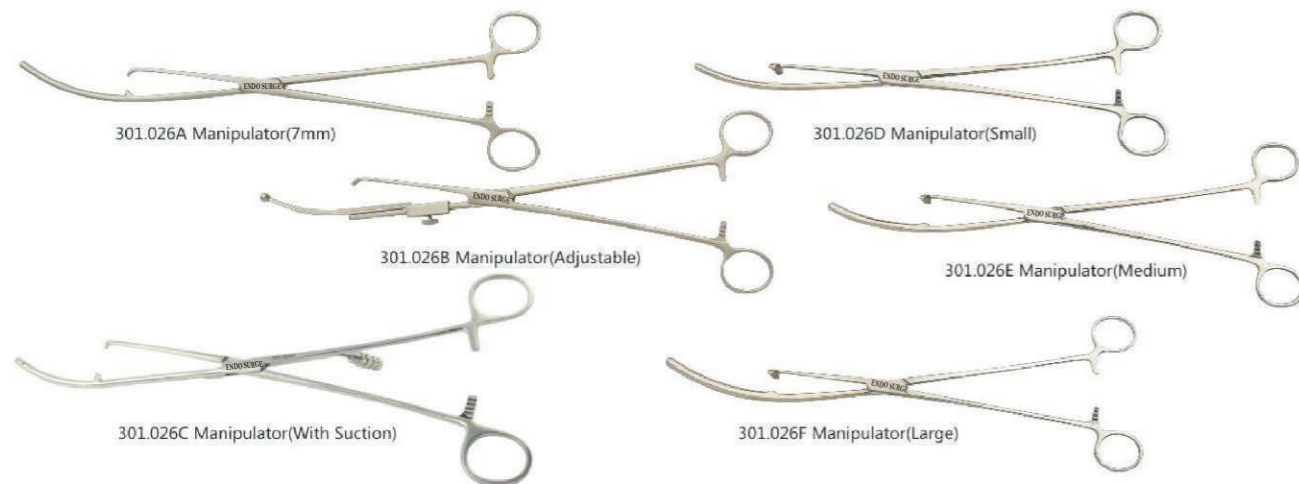


Morcellator





Uterine Manipulator

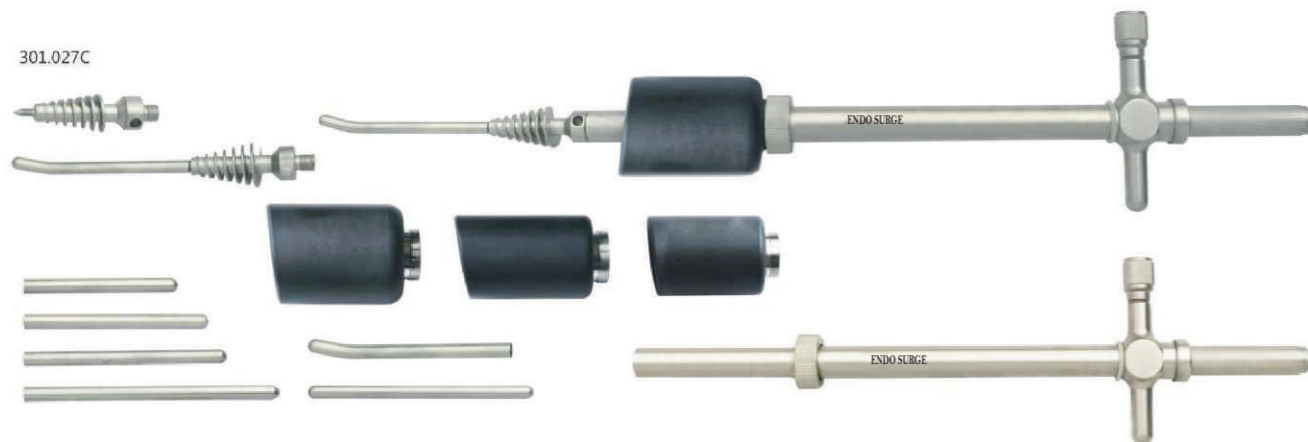


Multifunctional Uterine Manipulator

301.027 Multifunctional Uterine Manipulator



Uterine Manipulator



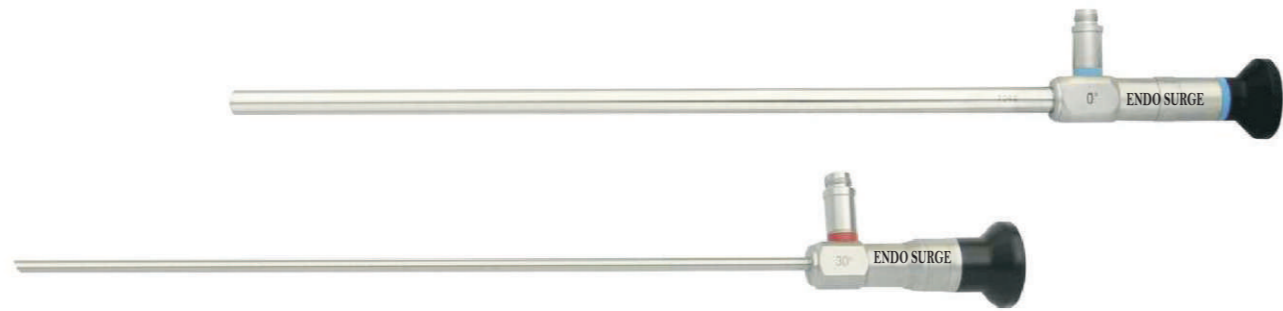
Probe Separator



Gynecology Surgical Instruments



Laparoscope



0° Laparoscope  
130.006A Φ10×330mm  
130.005A Φ5×330mm

30° Laparoscope  
130.004A Φ10×330mm  
130.003A Φ5×330mm

Laryngoscope

T8197 70° Endoscope Φ8mm  
T8199 90° Endoscope Φ8mm



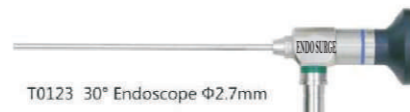
Arthroscope

T313 30° Φ4×170mm



Otoscope

T0123 30° Endoscope Φ2.7mm



Hysteroscope



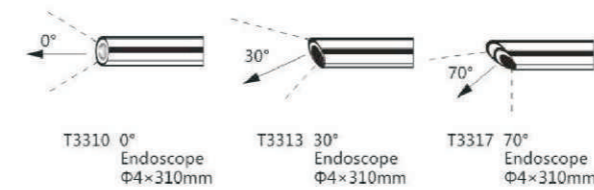
J6235 22° Hysteroscope Φ6.4×178mm

Hysteroscope

T1313 30° Endoscope Φ3×310mm

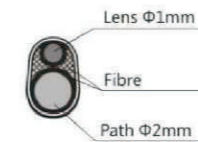


Systo-Urethroscope



Uretero Renoscope

Y1430 F8.5×430mm



Sterilization Case

