

## Laparoscopy and Thoracoscopy in Small Animals



 231037 新北市新店區中興路二段91巷8號  
 TEL: (02)2918-0600 FAX: (02)2918-0612  
 <http://www.y2c.com.tw>



## Laparoscopic Instruments

### Laparoscope



0° Laparoscope  
 $\Phi 10 \times 330\text{mm}$   
 $\Phi 5 \times 330\text{mm}$



30° Laparoscope  
 $\Phi 10 \times 330\text{mm}$   
 $\Phi 5 \times 330\text{mm}$

### Trocar and Sealing Cap



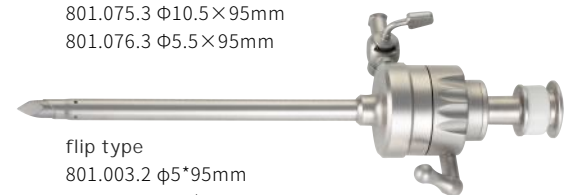
flip type  
 801.008.1  $\Phi 12.5 \times 95\text{mm}$   
 801.004.1  $\Phi 10.5 \times 95\text{mm}$   
 801.003.1  $\Phi 5.5 \times 95\text{mm}$   
 flip type( with autoshield safety)  
 801.163.1  $\Phi 12.5 \times 95\text{mm}$   
 801.075.1  $\Phi 10.5 \times 95\text{mm}$   
 801.076.1  $\Phi 5.5 \times 95\text{mm}$



magnetic type  
 801.008.3  $\Phi 12.5 \times 95\text{mm}$   
 801.004.3  $\Phi 10.5 \times 95\text{mm}$   
 801.003.3  $\Phi 5.5 \times 95\text{mm}$   
 magnetic type(with autoshield safety)  
 801.163.3  $\Phi 12.5 \times 95\text{mm}$   
 801.075.3  $\Phi 10.5 \times 95\text{mm}$   
 801.076.3  $\Phi 5.5 \times 95\text{mm}$



cross-shaped  
 801.008  $\Phi 12.5 \times 95\text{mm}$   
 801.004  $\Phi 10.5 \times 95\text{mm}$   
 801.003  $\Phi 5.5 \times 95\text{mm}$   
 804.002  $\Phi 3.5 \times 60\text{mm}$   
 cross-shaped(with autoshield safety)  
 801.163  $\Phi 12.5 \times 95\text{mm}$   
 801.075  $\Phi 10.5 \times 95\text{mm}$   
 801.076  $\Phi 5.5 \times 95\text{mm}$



flip type  
 801.003.2  $\Phi 5 \times 95\text{mm}$   
 801.004.2  $\Phi 10 \times 95\text{mm}$   
 flip type( with autoshield safety)  
 801.076.2  $\Phi 5 \times 95\text{mm}$   
 801.075.2  $\Phi 10 \times 95\text{mm}$



trocar pyramidal



trocar with  
 autoshield, safety



trocar cannula  
 without metal thread



trocar cannula  
 with metal thread



trocar cambered



802.008, trocar with  
 metal thread,  $\Phi 5.5\text{mm}$



802.009, trocar with  
 metal thread,  $\Phi 8.5\text{mm}$



802.010, trocar with  
 metal thread,  $\Phi 10.5\text{mm}$



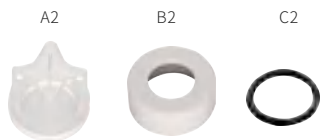
802.011, trocar with  
 metal thread,  $\Phi 12.5\text{mm}$



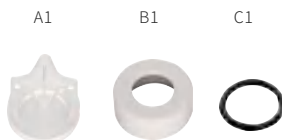
801.108 new threaded trocar  
 $\Phi 5.5 \times 88\text{mm}$



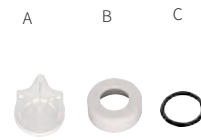
801.109 new threaded trocar  
 $\Phi 10.5 \times 88\text{mm}$



801.086.2,  $\Phi$ 10.5mm sealing cap/washer



801.086.1,  $\Phi$ 5.5mm sealing cap/washer



801.086,  $\Phi$ 3mm sealing cap/washer

## Reducer

801.010 sleeve type,  $\Phi$ 10.5- $\Phi$ 5.5mm



801.010 100mm  
801.010.1 120mm  
801.010.2 150mm  
801.010.3 170mm



801.010.4 22mm



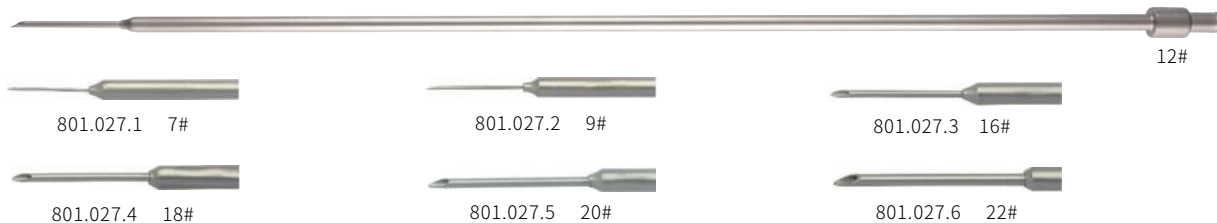
801.145 bayonet type  
 $\Phi$ 10.5- $\Phi$ 5.5mm



801.146 screw type  
 $\Phi$ 10.5- $\Phi$ 5.5mm

## Veress Needle

801.027  $\Phi$ 5 $\times$ 330mm



801.027.1 7#

801.027.2 9#

801.027.3 16#

801.027.4 18#

801.027.5 20#

801.027.6 22#

## Bile duck Knife



801.025



801.025.1



801.026



801.025  $\Phi$ 5 $\times$ 330mm



801.026  $\Phi$ 10 $\times$ 330mm

## Monopolar HF Electrode

$\Phi$ 5 $\times$ 330mm



808.017 monopolar  
hook electrode "L"



808.017.1 monopolar  
sharp "L" hook



808.017.2 monopolar  
electric hook



808.017.3 monopolar  
hook electrode "J"



808.021.1 monopolar  
electric knife



808.018.1 monopolar  
coagulation



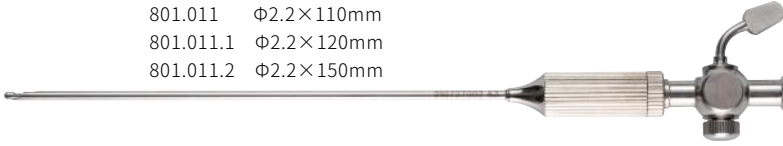
808.019.1 monopolar  
electric spade



808.020.1 monopolar  
electric pin

Veress Needle

- 801.011  $\Phi 2.2 \times 110\text{mm}$
- 801.011.1  $\Phi 2.2 \times 120\text{mm}$
- 801.011.2  $\Phi 2.2 \times 150\text{mm}$



801.231 Veress Needle Connector

Suction & Irrigation

$\Phi 5/\Phi 10 \times 330\text{mm}$

- 801.079 push type
- 801.079.1 push type(big valve)
- 801.079.2 push type(small valve)



$\Phi 5/\Phi 10 \times 330\text{mm}$

- 801.149 spring type



5mm Golden Scissors

- 801.033.1JB Golden Scissors

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



Bipolar

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

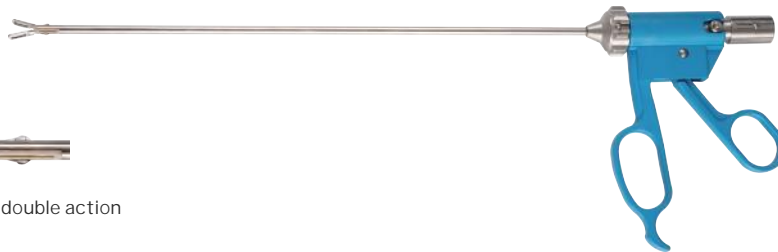
- 808.044 Bipolar Forceps (screwed)



808.044 double action (straight)



808.044.1 double action (curved)



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

- 808.045 Bipolar Forceps (three partition)



808.045 single action (straight)



808.045.2 single action (curved)



808.045.4 single action (blunt shaped)



808.045.5 single action (round shaped)



808.045.1 double action (straight)

808.045.3 double action (curved)

## Cord for Monopolar



808.082 Cord for Monopolar  
Φ4×3000mm



808.082.1 match  
OLYMPUS Φ8mm



808.082.2 ordinary  
connector Φ6mm



808.082.6 match  
HUTONG Φ6.3mm

## Cord for Bipolar



808.039 Cord for Bipolar 3000mm (match three partition handle)

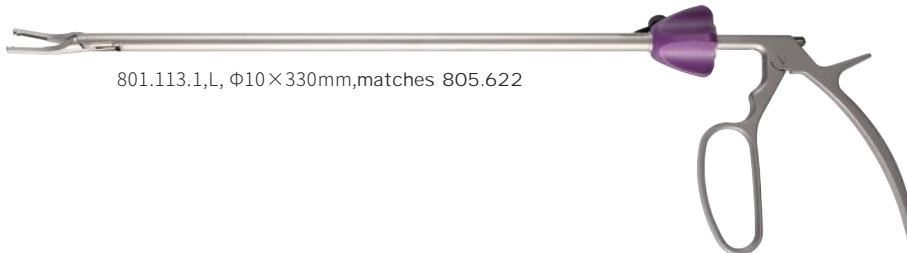


808.039.1 Cord for Bipolar (match blue handle)

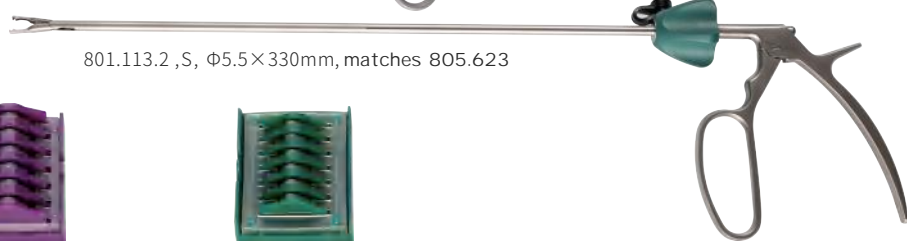
## Clip Applier, Polymer Ligation Clip



801.113, XL , Φ10×330mm, matches 805.621



801.113.1, L, Φ10×330mm, matches 805.622



801.113.2 , S, Φ5.5×330mm, matches 805.623



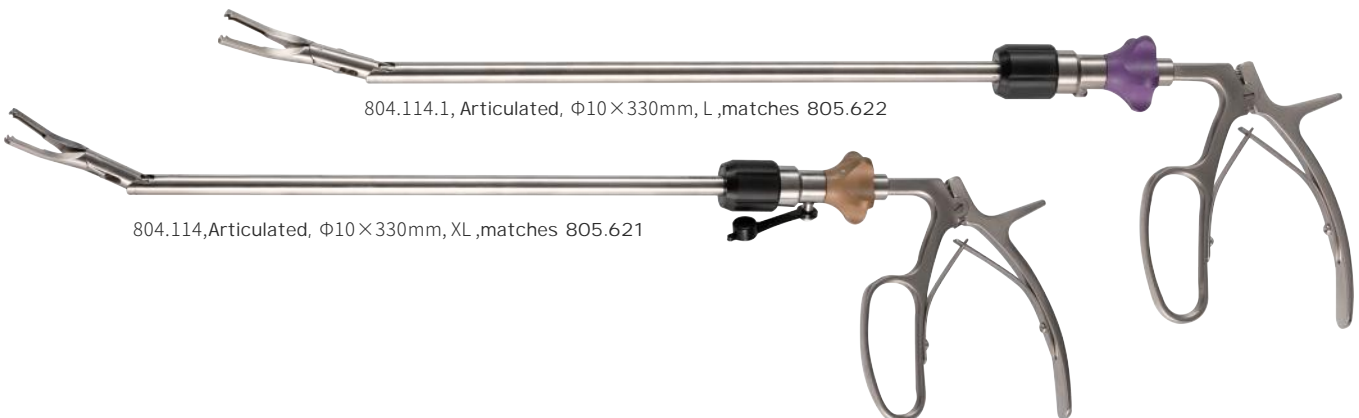
805.621, XL



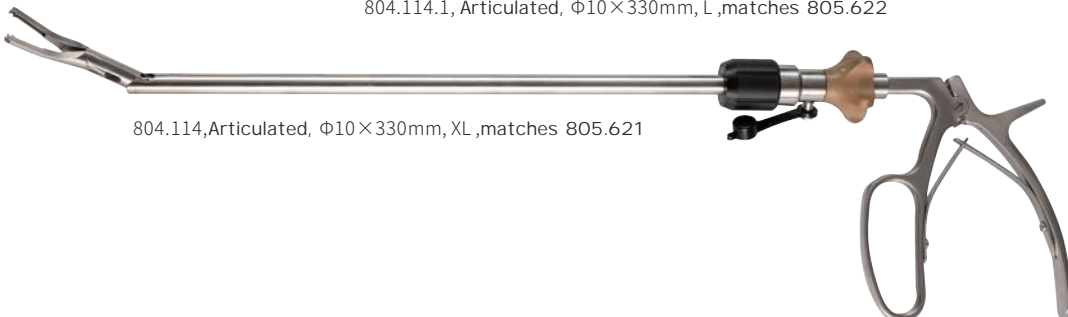
805.622, L



805.623 , S



804.114.1, Articulated, Φ10×330mm, L , matches 805.622



804.114, Articulated, Φ10×330mm, XL , matches 805.621

Open Clip Applier



801.138 L/M/ML  
801.138.3 S



Open Clip Applier



801.115 ,XL,matches 805.621



801.115.1,L, matches 805.622



801.115.2 ,S, matches 805.623



Clip Remover



801.131.1 ,XL,Φ10×330mm



801.131 ,L ,Φ5×330mm



Titanium Clip、Clip Applier



805.611,L  
04#



805.612,M/L  
03#



805.613,M  
02#



805.614,S  
01#



805.612  
(03#)



805.613  
(02#)



805.614  
(01#)

801.001, single action,L,Φ10×330mm



801.001.1 single action,L  
Φ10×330mm



801.001.2 single action,M  
Φ10×330mm



801.001.3 single action,M/L  
Φ10×330mm



801.002 ,right triangle, M/L  
Φ10×330mm



801.111 ,double action,M/L  
Φ10×330mm



804.001, single action, S  
Φ5×330mm

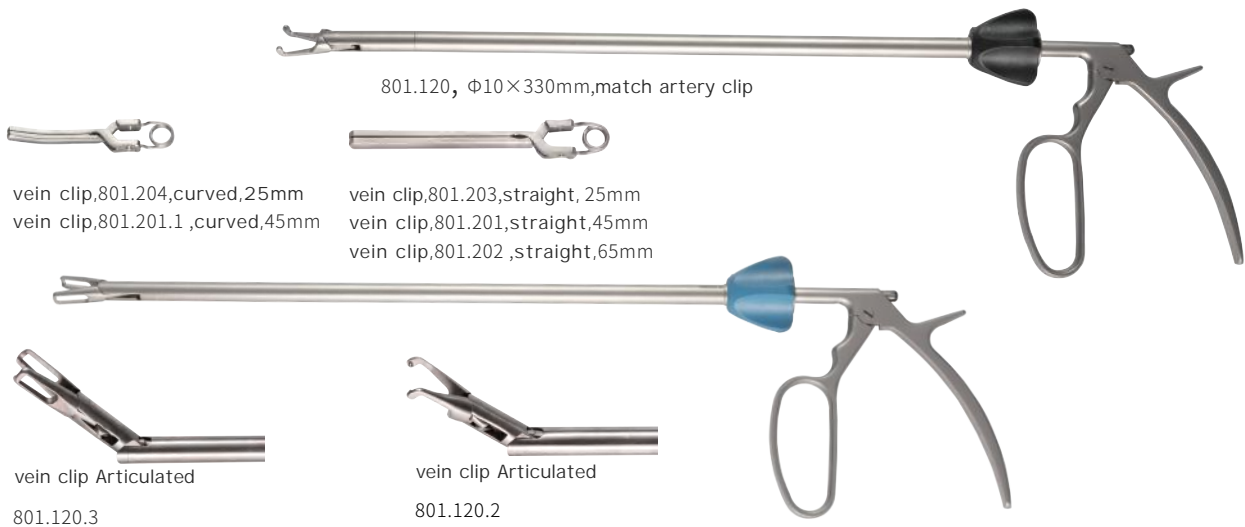


## Open Clip Applier



801.132 eight teeth  
801.132.1 nine teeth

## Artery/Vein Clip, Clip Applier



801.120,  $\Phi 10 \times 330$ mm, match artery clip

vein clip, 801.204, curved, 25mm  
vein clip, 801.201.1, curved, 45mm

vein clip, 801.203, straight, 25mm  
vein clip, 801.201, straight, 45mm  
vein clip, 801.202, straight, 65mm

vein clip Articulated  
801.120.3

vein clip Articulated  
801.120.2

## Knot Pusher



801.029 metal head  
 $\Phi 5 \times 330$ mm

801.029.1 plastic head  
 $\Phi 5 \times 330$ mm

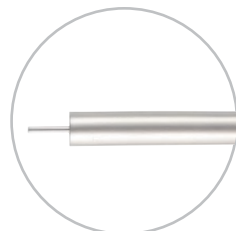
801.029.2 crescent shaped  
 $\Phi 5 \times 330$ mm

801.029.3 core pulling  
 $\Phi 5 \times 330$ mm

801.029.4 slot type  
 $\Phi 5 \times 330$ mm

## Clip Applier

801.112 with bio-absorbable Tyco clip applier  
 $\Phi 10 \times 330$ mm



Needle Holder



A-shaped needle holder (Titanium alloy)  $\Phi 5 \times 330\text{mm}$

801.101 straight

801.101.1 curved

801.101.2 self-righting

801.101.3 wire clipping

801.101.4 self-righting(arc)



O-shaped  $\Phi 5 \times 330\text{mm}$

801.022 straight

801.022.1 curved

801.022.2 self-righting

801.022.3 wire clipping

801.022.4 self-righting(arc)



V-shaped light  $\Phi 5 \times 330\text{mm}$

801.023 straight

801.023.1 curved

801.023.2 self-righting

801.023.3 wire clipping

801.023.4 self-righting(arc)



V-shaped heavy  $\Phi 5 \times 330\text{mm}$

801.024 straight

801.024.1 curved

801.024.2 self-righting

801.024.3 wire clipping

801.024.4 self-righting(arc)



V-shaped (Titanium alloy)  $\Phi 5 \times 330\text{mm}$

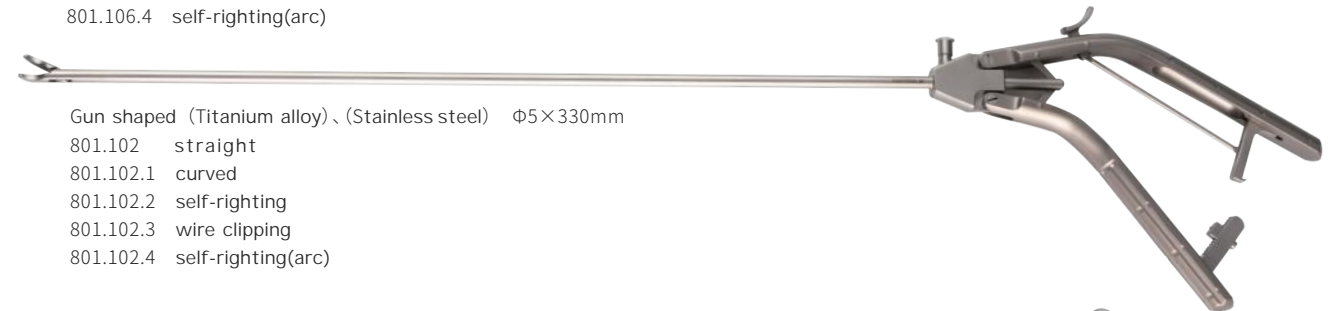
801.106 straight

801.106.1 curved

801.106.2 self-righting

801.106.3 wire clipping

801.106.4 self-righting(arc)



Gun shaped (Titanium alloy) / (Stainless steel)  $\Phi 5 \times 330\text{mm}$

801.102 straight

801.102.1 curved

801.102.2 self-righting

801.102.3 wire clipping

801.102.4 self-righting(arc)



wire clipping



straight



curved

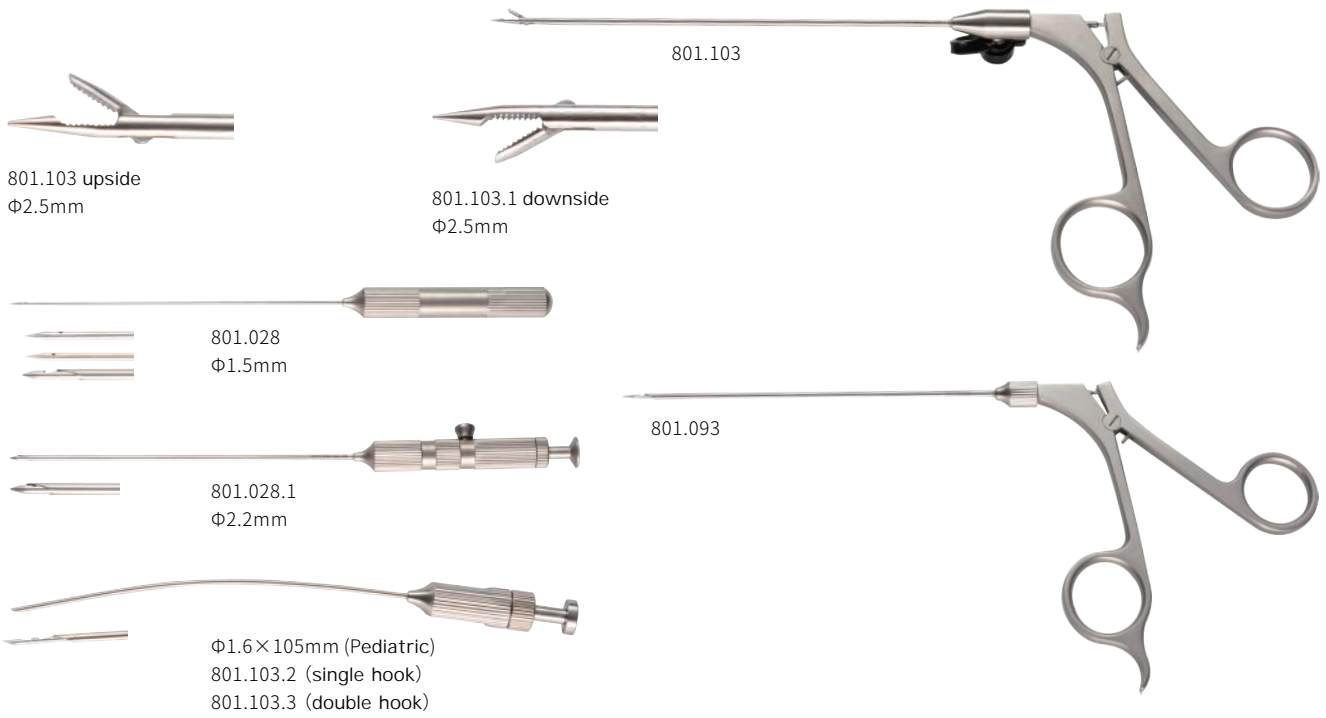


self-righting



self-righting(arc)

## Closure Forceps



## Three Leaves Retractor and Five Leaves Retractor

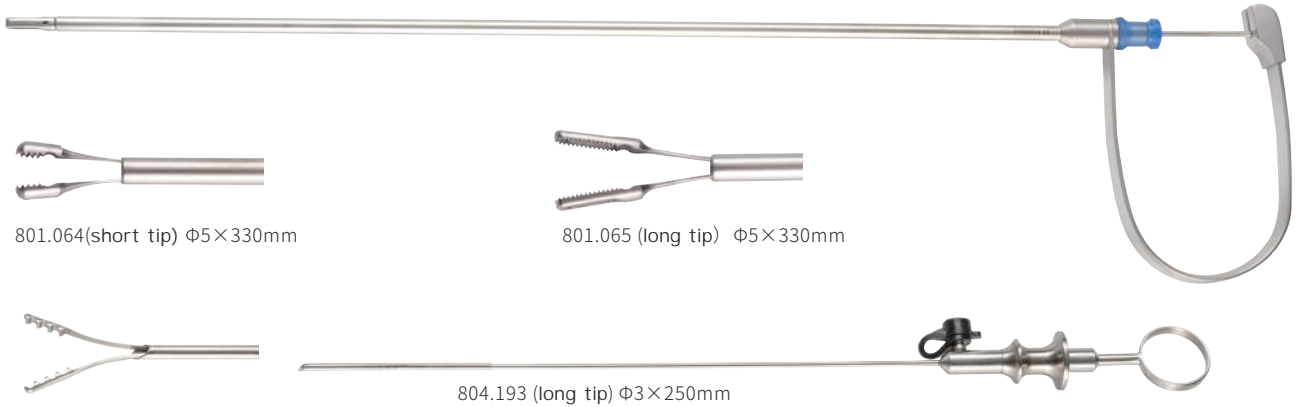


## Distraction Forceps(three leaves retractor)

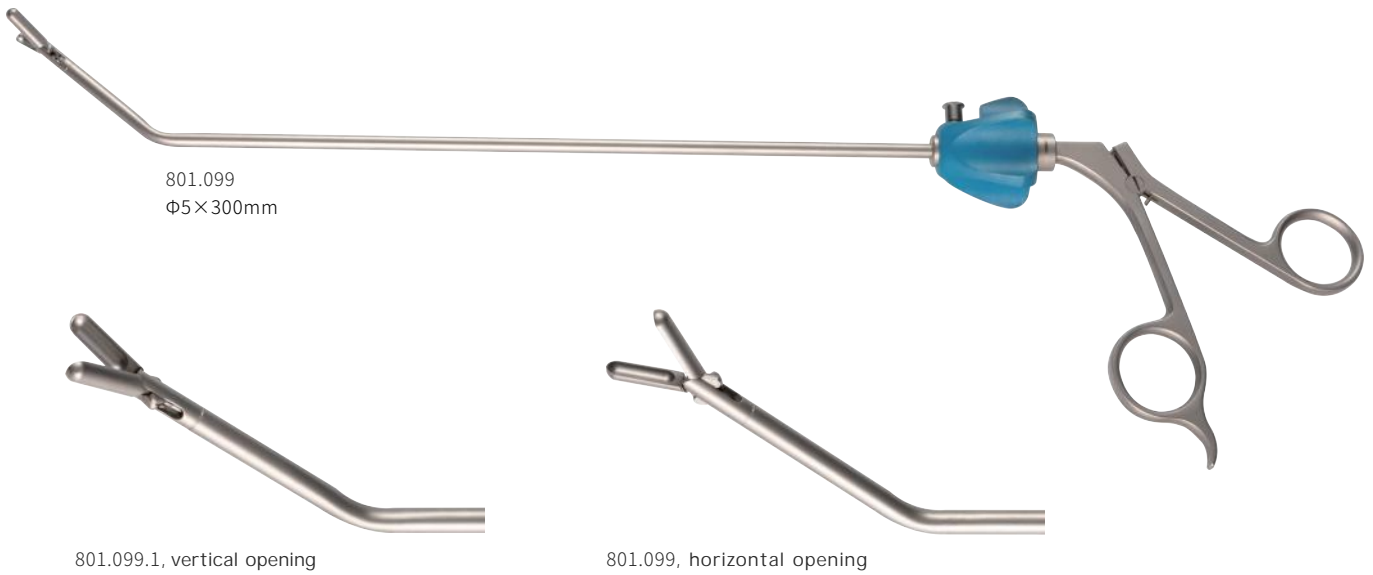


801.066

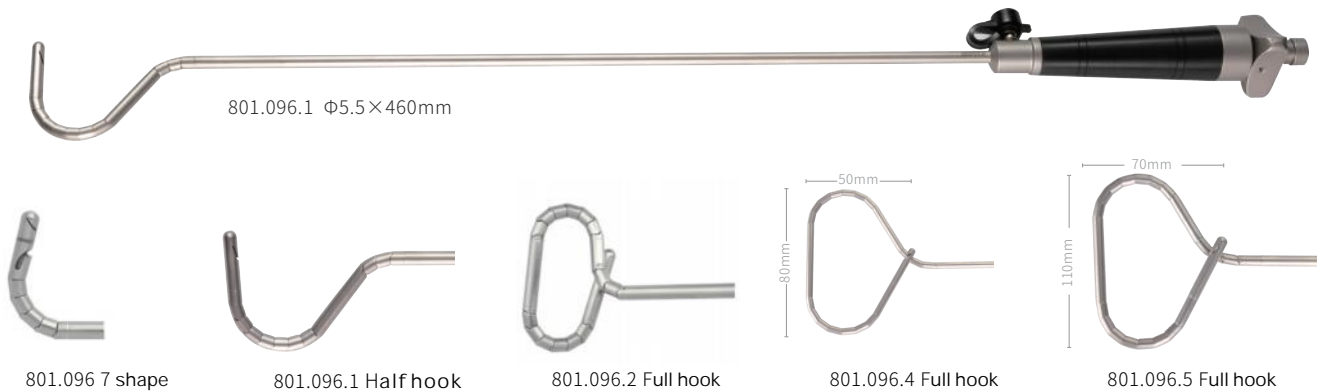
Spring Grasping Forcep



Biliary Tract-Lithotomy Forcep



Golden Finger



## Vein/Nerve Retractor



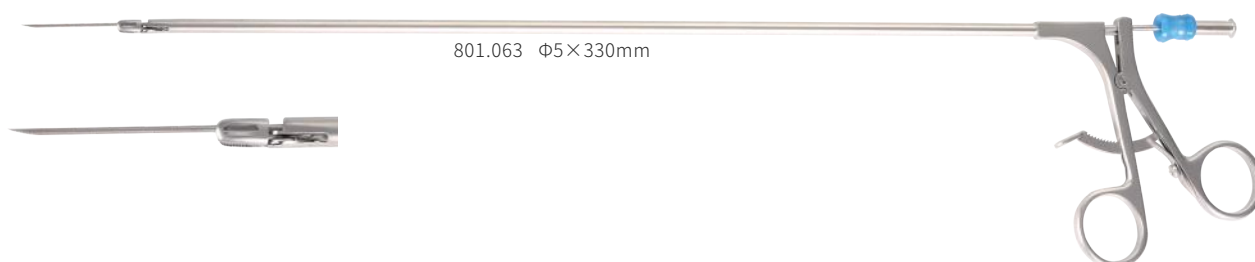
## Live Retractor



## Bendable forceps



## Angiographic grasping forceps



## 5mmx330mm Forceps and Scissors

Handle  $\Phi$ 5mm























801F.001 insulated handle



801F.002 insulated handle



801F.003 insulated handle(three partition)

	801.032 straight scissors (single action)		801.133 claw forceps
	801.032.1 straight scissors (double action)		801.037 Maryland forceps 17mm
	801.033 curved scissors (single action)		801.037.1 Maryland forceps 12mm
	801.033.1 curved scissors (double action)		801.037.2 Maryland forceps 14mm
	801.033.2 micro-curved scissors (double action)		801.037.3 Maryland forceps 18mm
	801.034 hook scissors		801.037.4 Maryland forceps 20mm
	801.035 upwards scissors		801.037.5 Maryland forceps 25mm
	801.033.1B insulated scissors		801.037.6 blunt tip Maryland forceps 16mm
	801.036 straight grasper		801.037.7 Maryland forceps (45°)
	801.051 dolphin nose grasper		801.037.8 Maryland forceps (70°)



801F.004 insulated handle  
(three partition, with ratchet)



801F.013 insulated handle



801F.011 insulated handle

	801.037.9 Maryland forceps (70) Mesh tooth		801.195.1 grasper 1+ 2 teeth, double action
	801.038 Mixer right angle		801.031 knot forceps
	801.038.1 Mixer right angle (wider head)		801.044.1 reverse-teeth forceps
	801.038.3 ligature clamp		801.047 cholecystic forceps
	801.0371 insulated maryland forceps		801.047.1 nine teeth cholecystic forceps
	801.049 fenestrated grasping forceps		801.054 biopsy forceps sharp cupped jaw
	801.048.1 grasping forceps		801.105 claw forceps 2 +4 teeth, single action
	801.048.2 grasping forceps		801.105.1 claw forceps 2 +4 teeth, double action
	801.052 appendix grasping forceps		801.044.2 reverse-teeth forceps








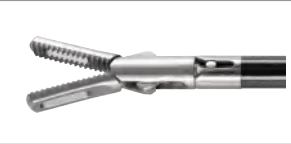




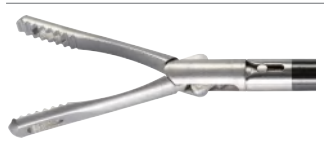


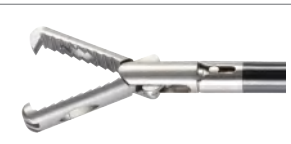
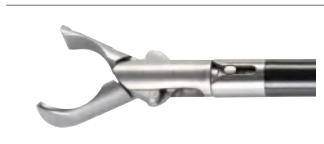



801F.005 stainless steel handle



801F.006 stainless steel (self-locking)



801F.008 stainless steel (with upper ratchet)

	801.031.1 B-shaped knot forceps		801.050 bullet nose forceps
	801.062.1 V-shaped grasping forceps		801.057 fallopian tube grasping forceps
	801.061 O-shaped grasping forceps		801.042 duck-jaw grasping forceps
	801.198.1 stomach grasping forceps, curved		801.042.1 duck-jaw grasping forceps coarse teeth bowl shape
	801.134 babcock grasping forceps		801.043 Maxi grasper
	801.198 stomach forceps (double action)		801.044 reverse-teeth forceps
	801.055 biting & cutting forceps		801.046.1 grasper 2+3 teeth (double action)
	801.057.1 Oviduct forceps		801.058 mucous membrane forceps hollow
	801.053 cupped biopsy forceps		801.058.2 mucous membrane forceps

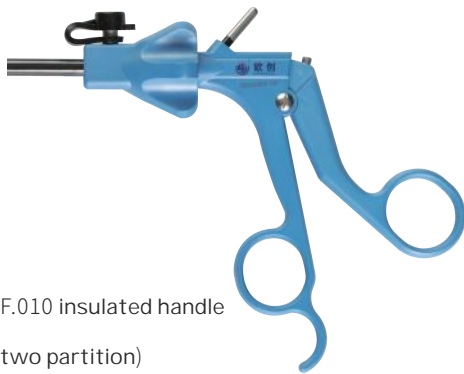


801F.007 mucous membrane forceps  
(with down ratchet)

			801.030 knot forceps S shape
			801.061 O-shaped grasping forceps
	801.059 hollow erect grasping forceps		801.056.1 Debakey grasping forceps(hollow)
	801.059.1 hollow erect grasping forceps, long tip		801.056 Debakey grasping forceps
	801.060.1 Allis grasper longer tip		801.072.2 sector forceps
	801.062 V-shaped grasping forceps		
	801.116 ureteral grasping forceps		801.056.3 bowel forceps
	801.045 organ-anchoring grasper		
	801.048 atraumatic forceps		801.056.4 intestinal grasping forceps
	801.049.1 fenestrated grasping forceps		
	801.049.2 endo(lap) clinch fenestrated grasper		801.018.1 Walf claws grasping forceps

10mmx330mm Forceps and Scissors

Handle(Φ10mm)



801F.010 insulated handle  
(two partition)



801F.012 insulated handle  
(three partition)

	801.012.2 biopsy forceps matches 801F.010		801.041.1 Mixer dissecting forceps matches 801F.010
	801.039.2 straight scissor matches 801F.010		801.040.2 curved scissors matches 801 F.010
	801.013.2 claw forceps only matches 801F.010		801.012 biopsy forceps matches 801F.016
	801.041 dissecting forceps (right angle) matches 801F.010		801.135 grasping forceps (eight claws) matches 801F.017
	801.041.2 Mixer dissecting forceps(interface) matches 801F.010		802.007 (duck-jaw grasping forceps) matches 801F.017
	801.013 claw forceps matches 801F.017		801.014 atraumatic forceps matches 801F.017



801F.015 stainless steel handle, can not be detached by hands (self-locked)



801F.016 stainless steel handle, can not be detached by hands



801F.017 stainless steel handle, can not be detached by hands (with down ratchet)



801.069 stomach grasping forceps round tip, matches 801F.017



802.002 lobe grasping forceps matches 801F.017



801.071 anastomotic and tractive grasping forceps matches 801F.017



801.130 US Babcock grasper matches 801F.017



801.126 reverse teeth matches 801F.017



801.107 gut grasping forceps bendable, matches 801F.017



802.004 toothless grasping forceps (with wide mouth) matches 801F.017



802.005 grasping forceps (with long chin) matches 801F.017



801.121 oval grasping forceps matches 801F.017



801.235 interdiction vessel forceps, matches 801F.017

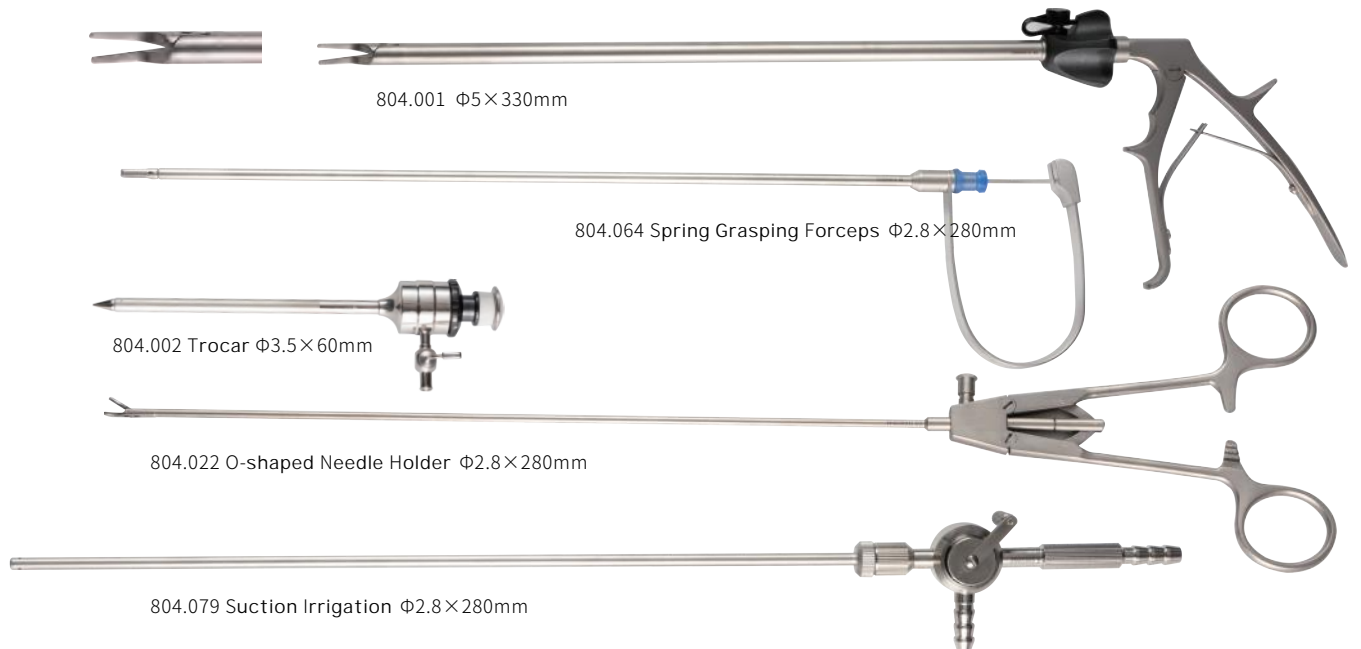


801.068 stomach grasping forceps matches 801F.017

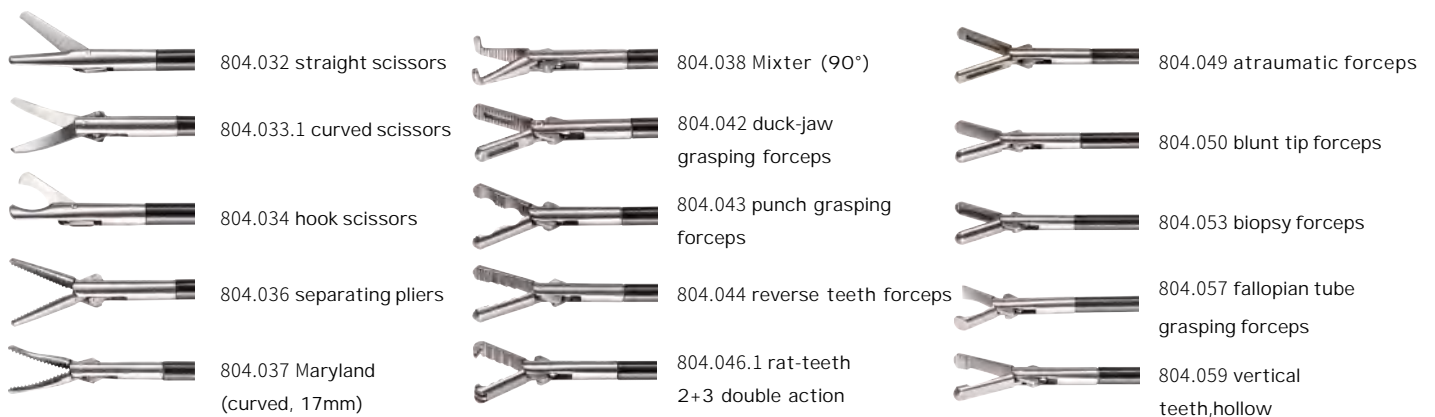


801.070 suture grasping forceps, matches 801F.017

## OC-804 Miniature Instruments for children and paediatric surgery



$\Phi 2.8 \times 280\text{mm}$



804.017 L hook



804.018 (coagulation)

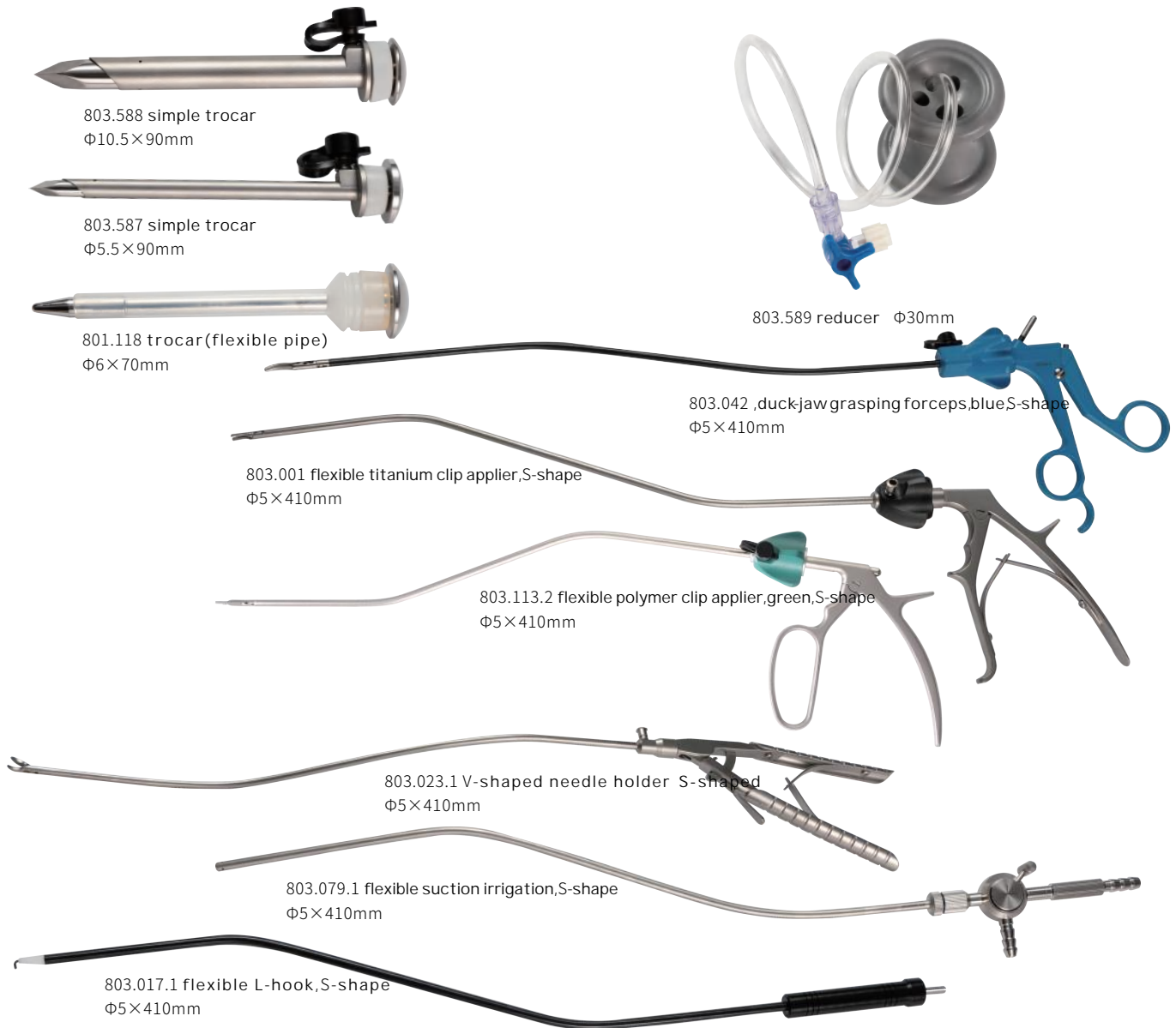


804.019 electric Spade



804.020 electric pin

## Instrument FOR SILS/Single Port Instruments



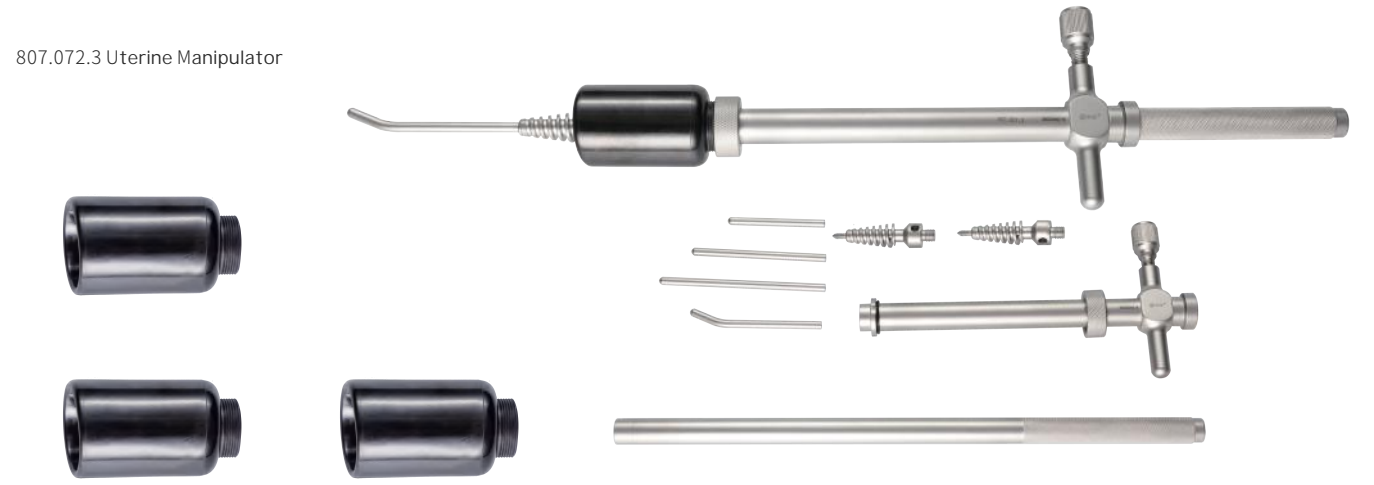
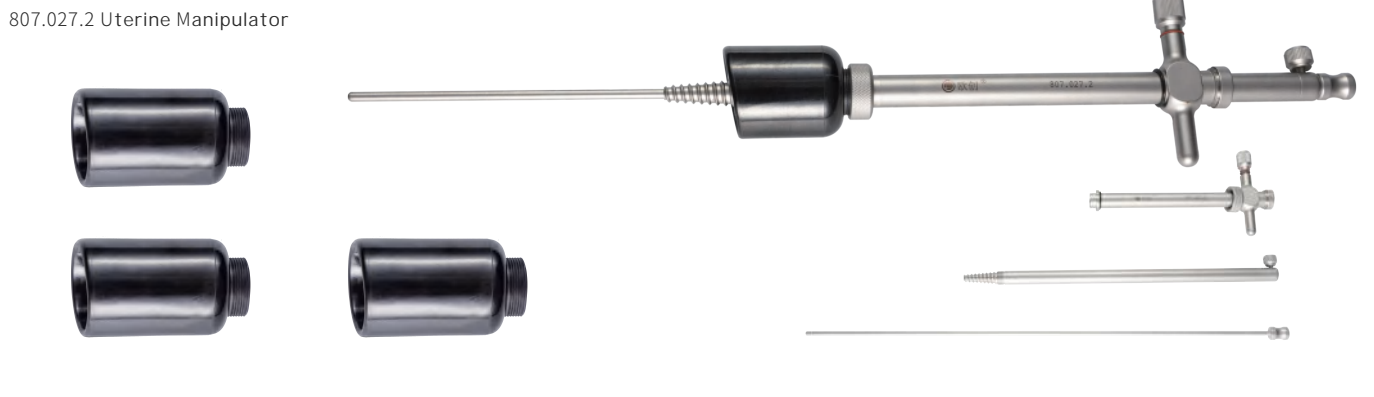
## Detachable Picture of Instruments



Thyroid Operating Instrument

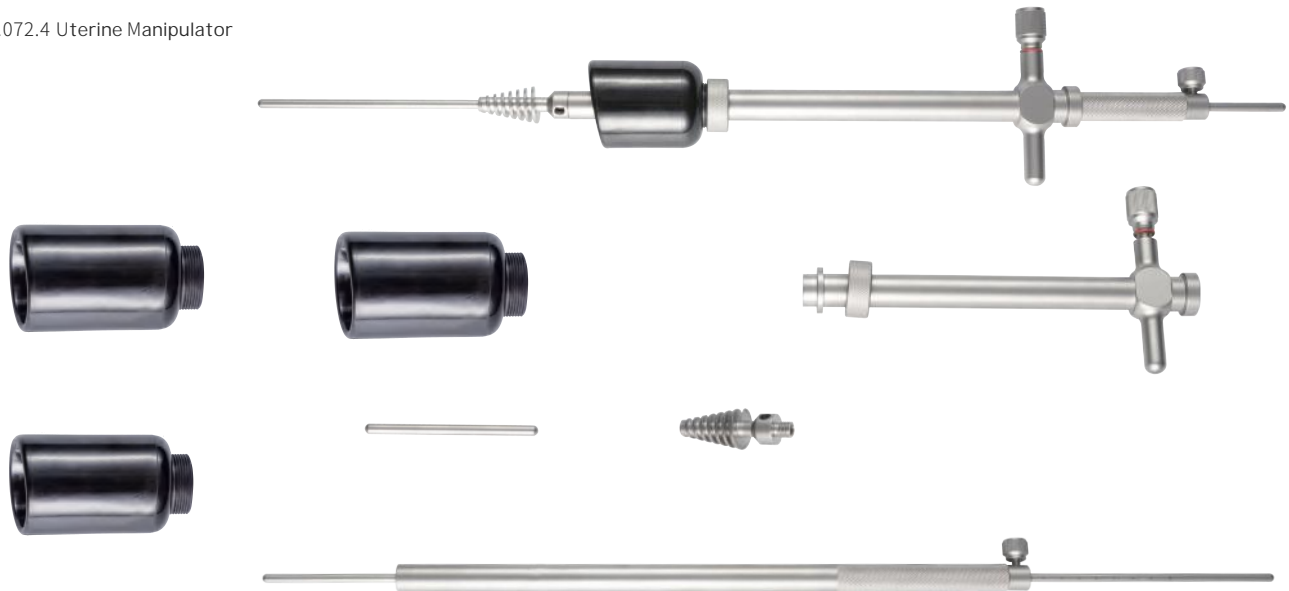


Uterine Manipulator



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807.072.4 Uterine Manipulator



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807.027.5 Cup Type Uterine Manipulator



Gynecology Surgical Instruments

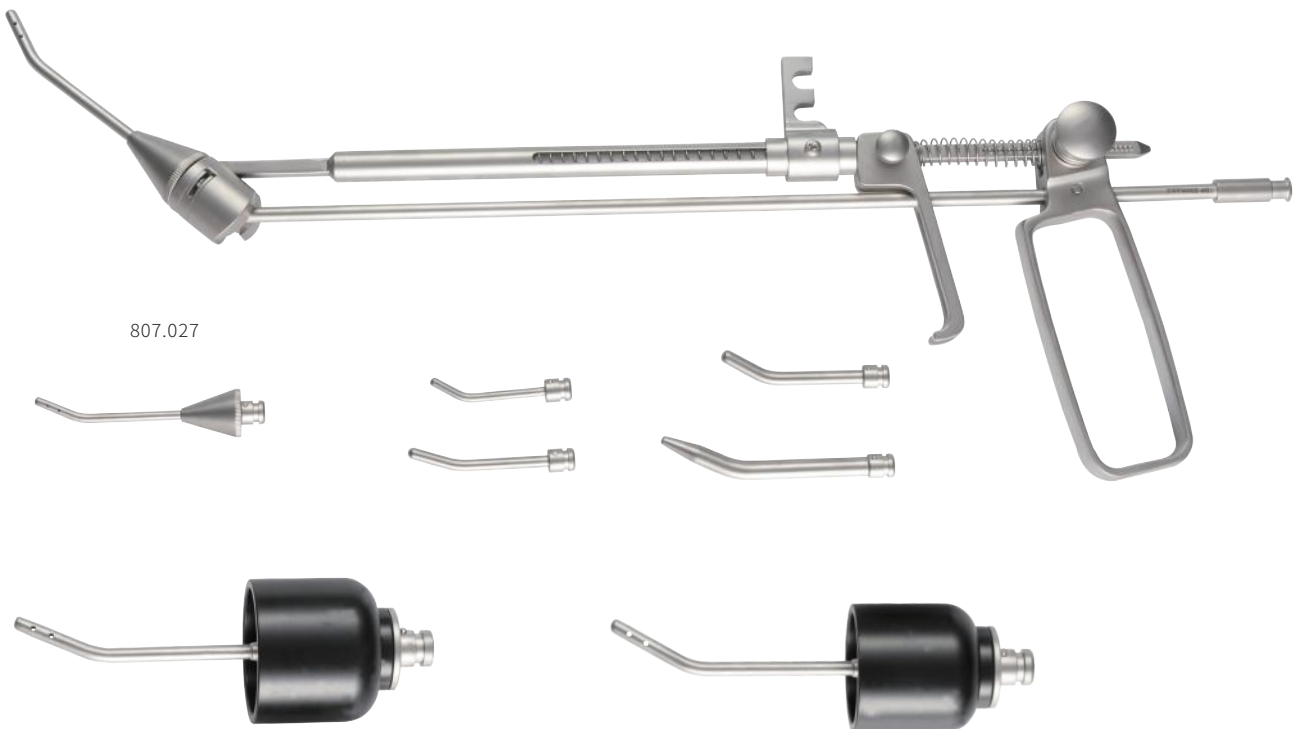
Uterine Manipulator



807.026.1 (7mm)

- 807.026.2 adjustable
- 807.026.3 with suction
- 807.026.4 size:S
- 807.026.5 size:M
- 807.026.6 size:L

Uterine Manipulator Set



807.027

## OC-807 Manipulator



807.001 uterus resector  
Φ10×330mm



807.002 uterus resector  
Φ15×330mm



807.003 uterus resector  
Φ18×330mm



807.004 uterus resector  
Φ10×330mm



807.005 uterus resector  
Φ15×330mm



807.006 uterus resector  
Φ18×330mm



807.007 uterine fixator, Φ5×500mm



801.027 needle  
Φ5×330mm



807.013 guide rods  
Φ10×370mm



801.029 knot pusher  
Φ5×330mm



807.008 pull rod (probe)  
Φ5×420mm



807.020 myoma drill  
Φ5×420mm



807.021 myoma drill  
Φ10×420mm

OC-807 Morcellator



807.014 reducer  
Φ15-Φ10mm



807.015 reducer  
Φ18-Φ10mm



807.011 dilator  
Φ15mm



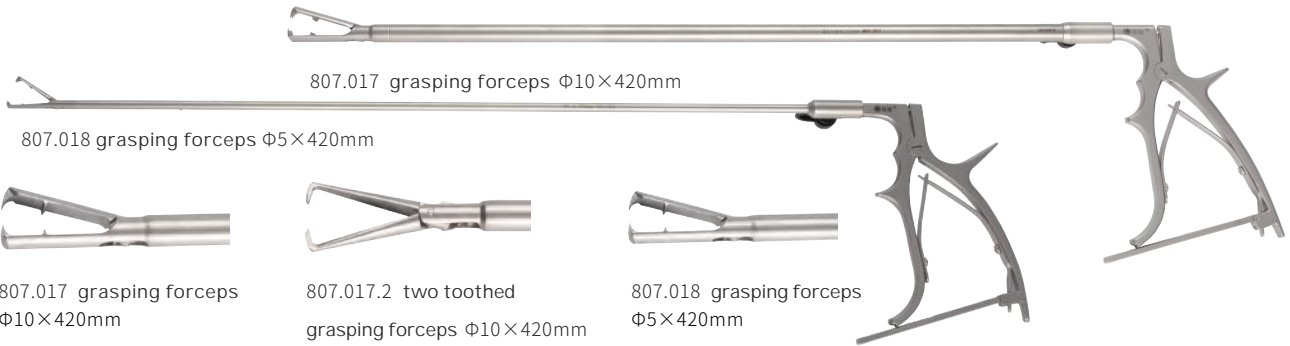
807.012 dilator  
Φ18mm



807.009 trocar cannula  
Φ15×95mm



807.010 trocar cannula  
Φ18×95mm



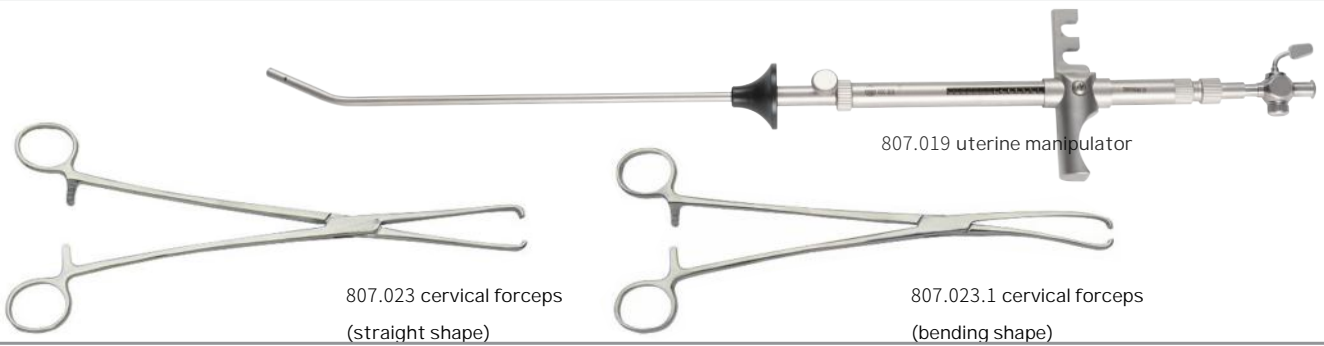
807.017 grasping forceps Φ10×420mm

807.018 grasping forceps Φ5×420mm

807.017 grasping forceps  
Φ10×420mm

807.017.2 two toothed  
grasping forceps Φ10×420mm

807.018 grasping forceps  
Φ5×420mm



807.019 uterine manipulator

807.023 cervical forceps  
(straight shape)

807.023.1 cervical forceps  
(bending shape)



807.036 electric motor core  
(MAX motor- Switzerland)



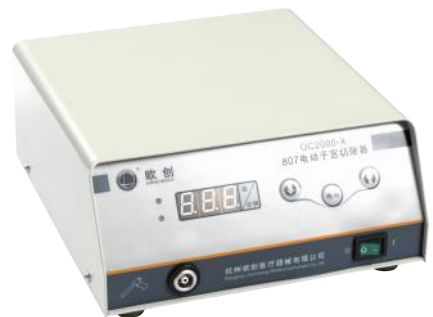
807.037 electric motor cable



807.025 electric motors handle

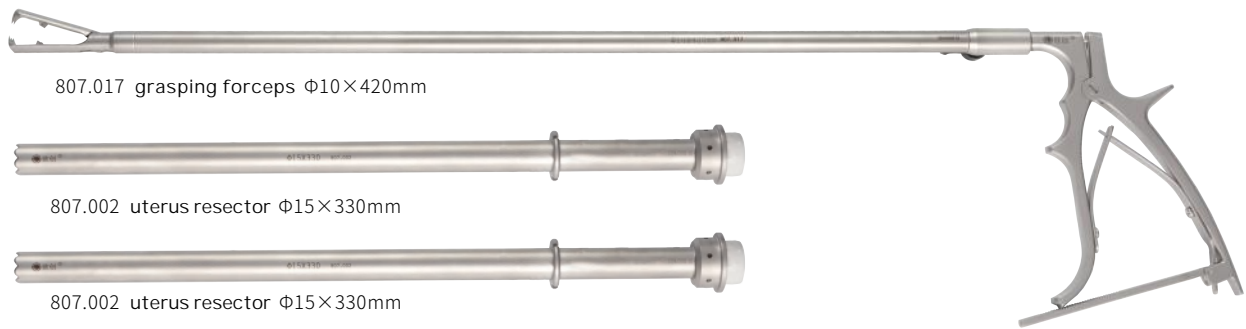


Power cord



807.024 controller (LCD display)

# OC-807.1 Morcellator



807.017 grasping forceps  $\Phi 10 \times 420\text{mm}$

807.002 uterus resector  $\Phi 15 \times 330\text{mm}$

807.002 uterus resector  $\Phi 15 \times 330\text{mm}$

801.027 needle  $\Phi 5 \times 330\text{mm}$

807.013 guide rods  $\Phi 10 \times 370\text{mm}$

801.029 knot pusher  $\Phi 5 \times 330\text{mm}$

807.008 pull rod (probe)  $\Phi 5 \times 420\text{mm}$

801.020 myoma drill  $\Phi 5 \times 420\text{mm}$



807.014 reducer  $\Phi 15 - \Phi 10\text{mm}$



807.014 reducer  $\Phi 15 - \Phi 10\text{mm}$



807.011 dilator  $\Phi 15$



807.009 trocar cannula  $\Phi 15 \times 95\text{mm}$



801.009 trocar  $\Phi 15 \times 95\text{mm}$



807.036 electric motor core



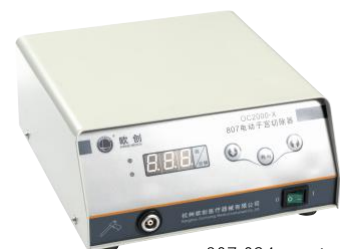
807.037 electric motor cable



807.025 electric motors handle

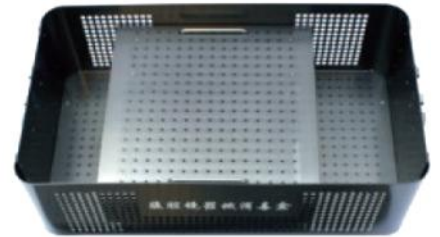
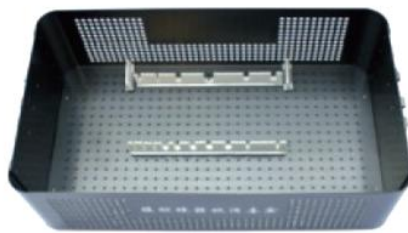


Power cord

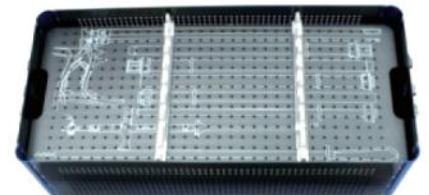
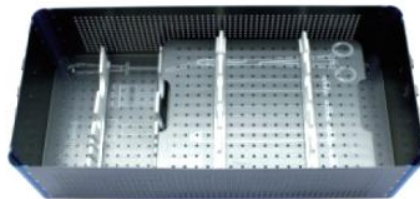


807.024 controller (LCD display)

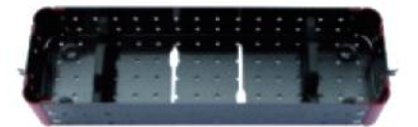
Sterilization Case



110F.032 for lap instrument  
525×300×155mm



110F.033 for Electric morcellator  
540×250×135mm



110F.030 for surgery instruments  
540×230×70mm

110F.031 for surgery instruments  
550×250×100mm

110F.041 for sinoscope  
270×84×42mm



110F.034 for resectoscope  
430×280×90mm

110F.040 for laparoscope  
425×84×42mm

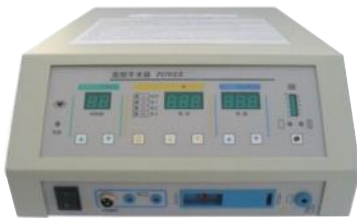
## Medical Retractor



815.001 light source  
(high luminosity)



816.001 CO2 insufflator



815.030 high-frequency  
electrosurgical generator



815.020 surgical simulator  
lap simulator



815.004 light cable  $\Phi 4 \times 1800\text{mm}$



816.003 Suction pump (medical pressurizer)



Flushing pump (instrument cleaning machine)

Medical Retractor

1CCD Endoscopy Tower/ Rack



display 17", 19" LCD

- DVD burner
- Endoscopic interface
- DVD burner
- Computer host Fangzheng or Lenovo
- Printer Hp6000 color spray
- Foot switch
- High-grade aluminum alloy multifunctional trolley
- Laparoscope special software

3CCD Endoscopy Tower/ Rack



display 17", 19" LCD

- DVD burner
- Endoscopic interface
- DVD burner
- Computer host Fangzheng or Lenovo
- Printer Hp6000 color spray
- Foot switch
- High-grade aluminum alloy multifunctional trolley
- Laparoscope special software

Digital high definition image workstation

display 22" LCD

- DVD burner
- Endoscopic interface
- DVD burner
- Computer host DELLi5-2400
- Printer Hp6000 color spray
- Foot switch
- High-grade aluminum alloy multifunctional trolley
- Laparoscope special software



815.010 Camera

## GQ-IV Hysteroscope

J6235 Hysteroscope  
22°C  $\Phi 6.4 \times 178\text{mm}$



J4235 Hysteroscope  
22°C  $\Phi 4.4 \times 178\text{mm}$



## GQ-V Hysteroscope



T3313 Endoscope  $\Phi 4 \times 310\text{mm}$



W4035 Working element  
 $\Phi 4.8 \times 216\text{mm}$



W4024 Outer sheath&Obturator  
 $F 24 \times 178\text{mm}$



## GQ-VA Hysteroscope

J3313 Endoscope 30°C  $\Phi 4.4 \times 310\text{mm}$   
W4035 Inner sheath  $F 20 \times 250\text{mm}$  (F6 obturator)  
W4034 Outer sheath  $F 24 \times 240\text{mm}$



GQ-VB Hysteroscope

T6243 Endoscope 30°C  $\Phi 6.4 \times 240\text{mm}$   
 P1801 Light Cable  $\Phi 4 \times 1800\text{mm}$   
 T6240 Endoscope 0°C  $\Phi 6.4 \times 240\text{mm}$



SL-III Hysteroscope For Inspection

T2263 Endoscope 30°C  $\Phi 3.2 \times 210\text{mm}$   
 P1801 Light Cable  $\Phi 4 \times 1800\text{mm}$   
 T6240 Endoscope 0°C  $\Phi 4.4 \times 230\text{mm}$



GQ-II Hysteroscope For Inspection



T1293 Endoscope 30°C  $\Phi 3 \times 290\text{mm}$



W4112 Inner sheath  $F12 \times 255\text{mm}$



W4110 Adapter (for W4110)



W4115 Outer sheath  $F15 \times 240\text{mm}$

DQH-II Hystero-Electrotome






N5211 resectoscope (active/optional)

T3315 Endoscope 25°C Φ4×310mm





 231037 新北市新店區中興路二段91巷8號  
 TEL: (02)2918-0600 FAX: (02)2918-0612  
 <http://www.y2c.com.tw>



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