

4K 3 CMOS

CAMERA SYSTEM

COLD LIGHT SOURCE



HJ-30

4K ENDOSCOPE
CAMERA SYSTEM



GEV-620

SUCTION IRRIGATION



GEV-240

INSUFFLATOR



SWD-QFG



4k Endoscope Camera System

GEV-620WMI

Product parameters

1. Camera: 9,000,000 pixel 3*1/2.8" CMOS
2. Resolution: 3840(H)*2160(V)
3. Definition: 2100 lines
4. Minimum illumination: 0.3Lux
5. Video output: HDMI2.0/3G-SDI(4K UHD output) DVI,USB3.0*2,LAN
6. Shutter speed: 1/60~1/60000(NTSC), 1/50~50000(PAL)
7. Camera cable: 2.8m / length customized
8. Power: 85 ~ 264VAC
9. Freeze four times, the screen displays simultaneously
10. Standard zoom coupler
11. USB storage, taking videos and photos
12. ≥7 department scenes can be choosed according to the endoscopes



Cold Light Source

HJ-30

Product parameters

1. Model: HJ-30 (touch screen)
2. Output power: 140W/120W/100W
3. Long life: ≥50000Hours
4. Color temperature: 3000-7000k
5. Brightness: ≥1600000lx
6. Dimming mode: touch button, PWM can set a variety of working curves, automatic temperature detection and control, colour rendering index ≥293
7. Light cable: F4.8,3000mm, autoclavable
8. There is a timer on the screen to display the cumulative usage time
9. low noise: less than 55dB
10. The temperature is controlled closed to human body, no burning sensation
11. Built-in cooling fan to effectively extend the service life



Suction and Irrigation Pump

GEV-240



Product parameters

1. 5-inch LCD screen
2. Extrusion water supply, more sophisticated, maintain the cavity shape and visual effect well
3. Irrigation + suction, expand the cavity and clean the dirty blood in the cavity
4. Pressure setting range: 15-700mmHg, flow rate setting range: 10ml-1500ml/min
5. Automatic stop in case of overpressure, alarm on LCD screen
6. Suction pressure range: 100-400mmHg, suction flow range: 1000ml-30000ml/min
7. Actual flow, actual pressure, etc. can be displayed in real time
8. Medical-grade tubes, to ensure surgical safety and can be used perfectly with other brands
9. The tubes can be sterilized autoclavable, and low temperature plasma
10. Accurate output of flow and pressure, stable operation, strong anti-interference ability, etc
11. Disposable and reusable tubes

Packing list

1. Irrigation pump machine: 1 unit
2. Infusion pump tube: 1 set
3. Silicone diaphragm: 4 pcs
4. Power cord: 1 pc
5. Negative pressure suction bottle 2000 ml: 1pc
6. Silicone tube $\phi 6 \times 10 \times 2800$ mm: 1 pc
7. Silicone tube $\phi 6 \times 10 \times 600$ mm: 1 pc
8. Fuse: 2 pcs
9. User manual: 1 pc



Irrigation pump line



Silicone diaphragm*4



Silicone tube



Fuse*2



Suction bottle 2000ml

Insuflator

SWD-QFJ

Product parameters

1. Enviroment degree request : 5-40°C
2. Relative humidity : 30-80%
3. Pressure : 700-1060hPa
4. Power supply : AC100-240V,50/60HZ
5. Input power : 50VA
6. Set pressure from 3mmHg~25mmHg
7. The tolerance of pre display presssure is $\pm 266.6\text{Pa}$ (2mmHg)
8. Remiding with sound alarms when over pressure is 3mmHg , the tolerance is 2mmHg
9. Automatic overpressure release, the time is 40s
10. Underpressure time is 20s
11. Gas flow (0~42)L/min



Monitor

SWD-XSQ

Product parameters

1. Display screen : LCD , LED TFT display screen
2. Screen propoertion : 16:9
3. Brightness : 450cd/m²
4. Maximumresolution : 1920x1080
5. Screen back light tube life : 50000H
6. Contras : 1000:1
7. Viewing angle : 178°(H)/ 178°(V)
8. Equipment input : line frequency : 30-80kHz/field frequency : 60-75Hz
9. Visibe color : about 16.7 milion colors (high color rendering)
10. Input signal : VGA, DVI, HDMI
11. Frequency : 60Hz
12. Voltage : 110V-240V
13. Power : 40W



Multifunction Trolley

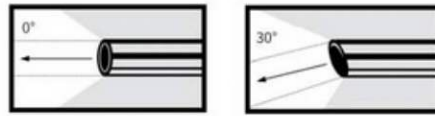
SWD-TC

Product parameters

1. Overall combination
2. Free loading and unloading
3. Adjustable laminates
4. Multiple space combinations
5. With hard mirror and soft mirror bracket

laparoscope

SWD-FQJ



F4K30.01 ϕ 5X330mm 30° 4K
F4K30.03 ϕ 10X330mm 30° 4K

FQJ00.41 ϕ 5X300mm 0°
FQJ30.39 ϕ 5X300mm 30°

FQJ00.01 ϕ 10X330mm 0°
FQJ30.01 ϕ 10X330mm 30°

FQJ30.15 ϕ 8X330mm 30°

SWD-FQJ - I

FQJ I 12.09 ϕ 8X330mm 12°



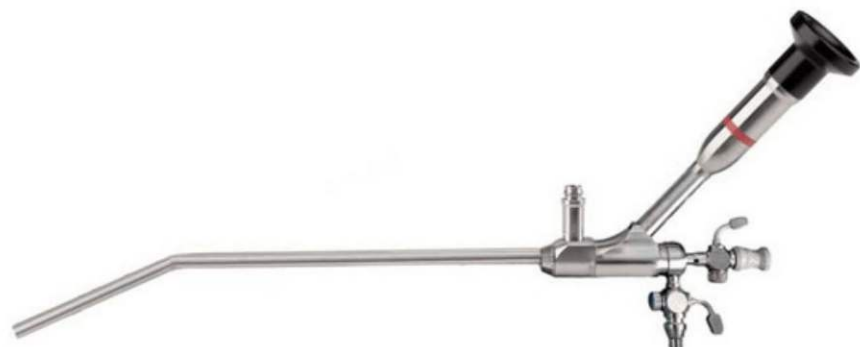
SWD-FQJ - II

FQJ II 12.07 ϕ 10X210mm 12°



SWD-FQJ - III

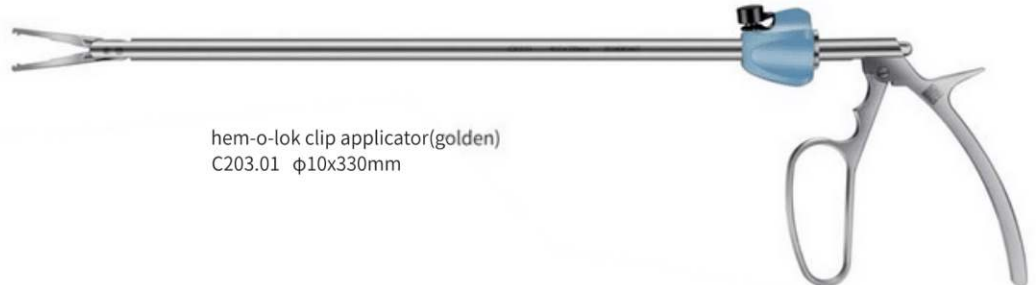
FQJ III 00.23 ϕ 6X210mm 0°



Laparoscopic Instrument



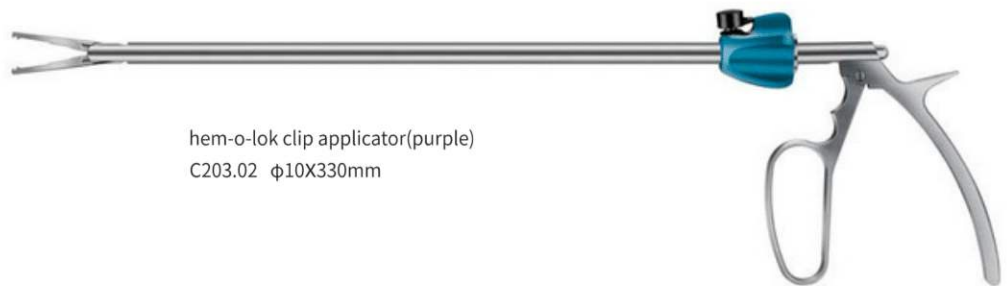
544250(XL) hem-o-lok clip XL



hem-o-lok clip applicator(golden)
C203.01 $\phi 10 \times 330 \text{mm}$



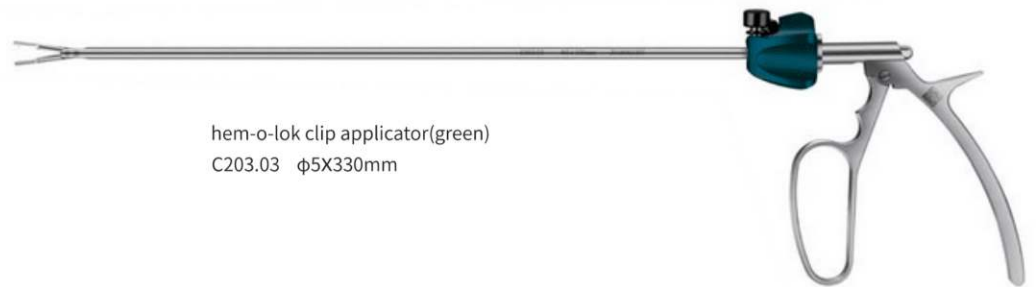
544240(L) hem-o-lok clip L



hem-o-lok clip applicator(purple)
C203.02 $\phi 10 \times 330 \text{mm}$



544230(ML) hem-o-lok clip ML



hem-o-lok clip applicator(green)
C203.03 $\phi 5 \times 330 \text{mm}$

clip remover

C204.01 $\phi 5 \times 330 \text{mm}$
C204.02 $\phi 10 \times 330 \text{mm}$



Lapro-clip applicator(fit COVIDIEN brand)



straight with teeth
 C282.01.01(35mm)

tiny teeth, fenestrated
 C282.01.03(35mm)

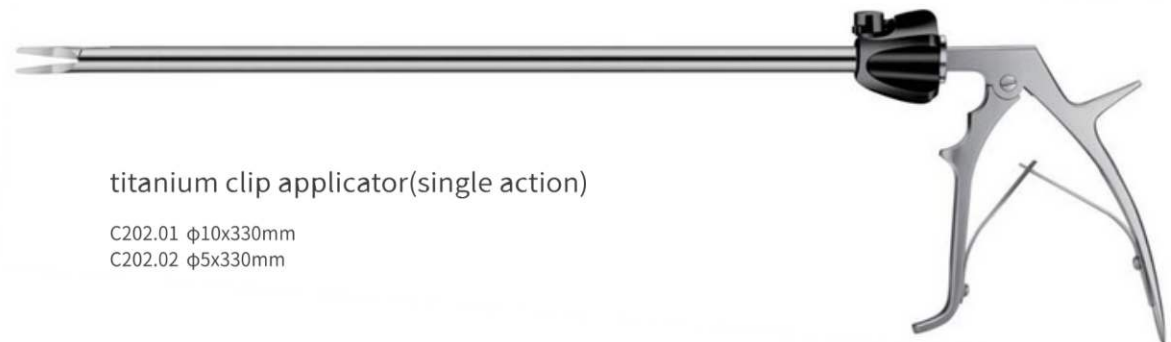
straight with teeth
 C282.01.05(25mm)

toothless
 C282.01.02(60mm)

curved with teeth
 C282.01.04(35mm)

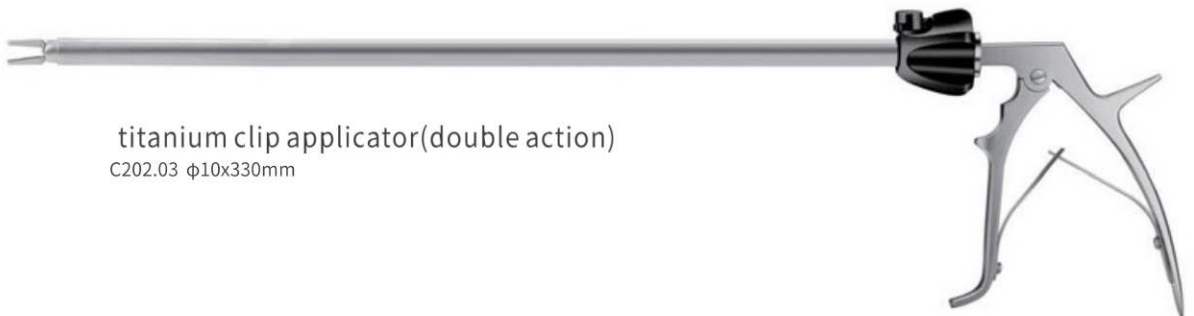
curved with teeth
 C282.01.06(25mm)

Laparoscopic Instrument



titanium clip applicator(single action)

C202.01 $\phi 10 \times 330 \text{mm}$
C202.02 $\phi 5 \times 330 \text{mm}$



titanium clip applicator(double action)

C202.03 $\phi 10 \times 330 \text{mm}$



biopsy forceps

C201.01 $\phi 10 \times 330 \text{mm}$



biopsy forceps

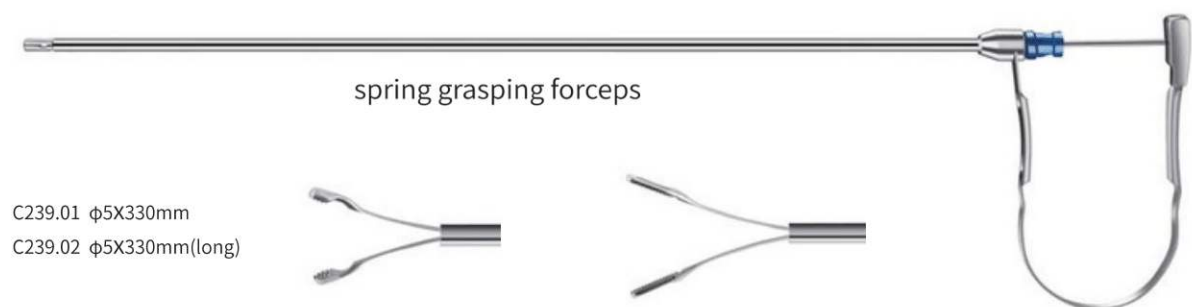
C291.01



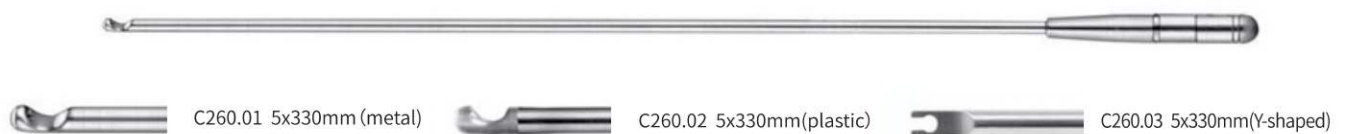
veress needle

C257.01 $\phi 2.2 \times 130 \text{mm}$
C257.02 $\phi 2.2 \times 150 \text{mm}$ (long)
C257.03 $\phi 2.5 \times 130 \text{mm}$
C257.04 $\phi 2.5 \times 150 \text{mm}$ (long)

Laparoscopic Instrument



knot tier



trocar accessories



needle



needle with safety



magnetic flake



cross valve



C261.03



C261.02 ϕ 10-5 80mm



C261.01 ϕ 10-5 150mm

trocar(stainless steel)



(magnetic flake)CM254.01 ϕ 10.5x100mm
(magnetic flake)CM255.01 ϕ 5.5x100mm



(magnetic,with thread)CM254.02 ϕ 10.5x100mm
(magnetic,with thread)CM255.02 ϕ 5.5x100mm



(cross valve)CM254.03 ϕ 10.5x100mm
(cross valve)CM255.03 ϕ 5.5x100mm



(cross valve,with thread)CM254.08 ϕ 10.5x100mm
(cross valve,with thread)CM255.08 ϕ 5.5x100mm

trocar(stainless steel with safety)



(magnetic flake)CM254.04 ϕ 10.5x100mm
(magnetic flake)CM255.04 ϕ 5.5x100mm



(magnetic,with thread)CM254.05 ϕ 10.5x100mm
(magnetic,with thread)CM255.05 ϕ 5.5x100mm



(cross valve)CM254.06 ϕ 10.5x100mm
(cross valve)CM255.06 ϕ 5.5x100mm



(cross valve,with thread)CM254.07 ϕ 10.5x100mm
(cross valve,with thread)CM255.07 ϕ 5.5x100mm

trocar(titanium alloy)



(magnetic flake)C254.01 \varnothing 10.5x100mm
(magnetic flake)C255.01 \varnothing 5.5x100mm



(magnetic,with thread)C254.02 \varnothing 10.5x100mm
(magnetic,with thread)C255.02 \varnothing 5.5x100mm



(cross valve)C254.03 \varnothing 10.5x100mm
(cross valve)C255.03 \varnothing 5.5x100mm

trocar(titanium alloy with safety)



(magnetic flake)C254.04 \varnothing 10.5x100mm
(magnetic flake)C255.04 \varnothing 5.5x100mm



(magnetic,with thread)C254.05 \varnothing 10.5x100mm
(magnetic,with thread)C255.05 \varnothing 5.5x100mm



(cross valve)C254.06 \varnothing 10.5x100mm
(cross valve)C255.06 \varnothing 5.5x100mm

trocar(titanium alloy with safety)



(cross valve)C256.01 \varnothing 12.5x100mm



(cross valve,with thread)C256.02 \varnothing 12.5x100mm



(cross valve,with thread)C254.07 \varnothing 10.5x100mm



(cross valve,with thread)C255.07 \varnothing 5.5x100mm

needle holder



V-shaped stainless steel $\phi 5 \times 330 \text{ mm}$
C207.01.01(straight)
C207.01.02(curved)



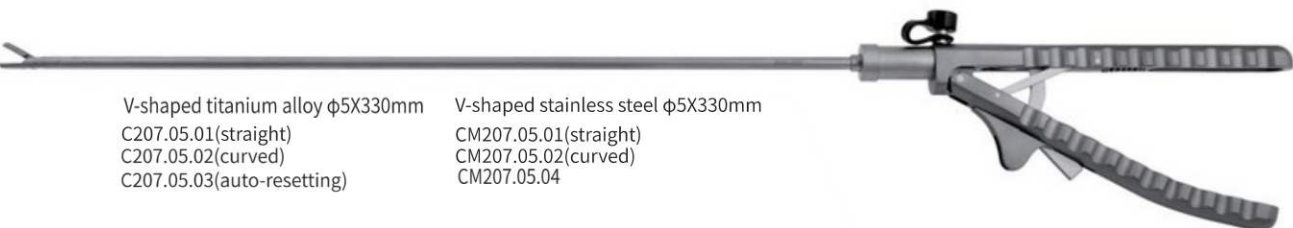
O-shaped stainless steel $\phi 5 \times 330 \text{ mm}$
C207.03.01(straight)
C207.03.02(curved)



V-shaped titanium alloy $\phi 5 \times 330 \text{ mm}$
C207.02.01(straight)
C207.02.02(curved)



pistol-shaped titanium alloy $\phi 5 \times 330 \text{ mm}$
C207.04.01(straight)
C207.04.02(curved)



V-shaped titanium alloy $\phi 5 \times 330 \text{ mm}$ V-shaped stainless steel $\phi 5 \times 330 \text{ mm}$
C207.05.01(straight) CM207.05.01(straight)
C207.05.02(curved) CM207.05.02(curved)
C207.05.03(auto-resetting) CM207.05.04



straight



curved

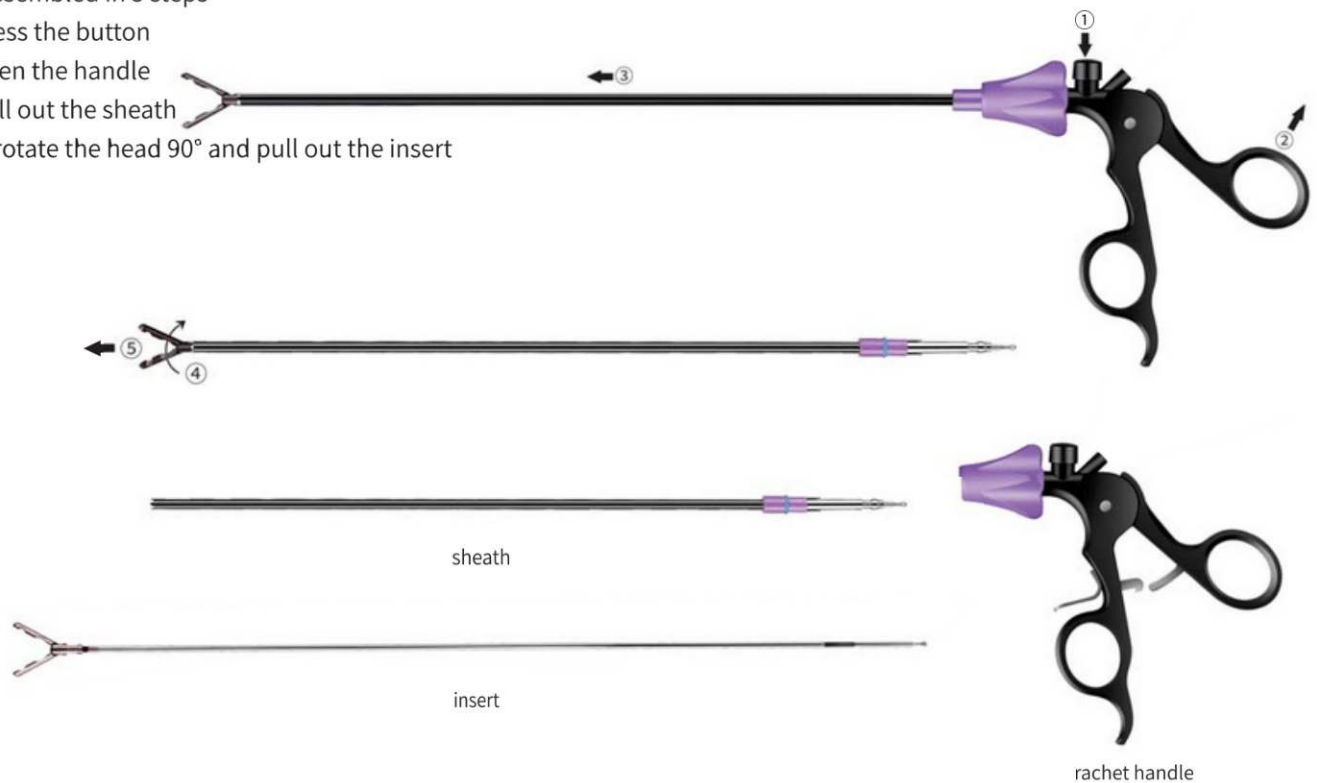


auto-resetting

Disassembled(without monopolar connector)

Disassembled in 5 steps

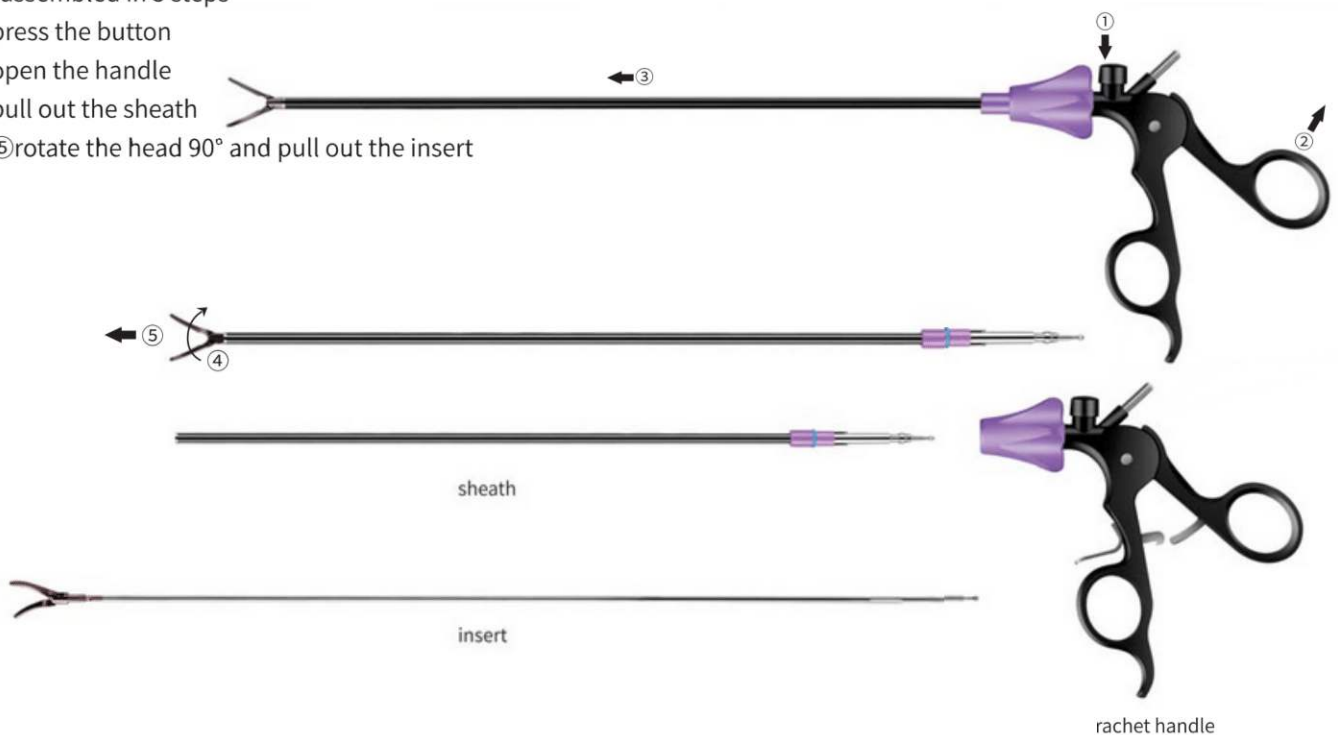
- ①press the button
- ②open the handle
- ③pull out the sheath
- ④⑤rotate the head 90° and pull out the insert



Disassembled (with monopolar connector)

Disassembled in 5 steps

- ①press the button
- ②open the handle
- ③pull out the sheath
- ④⑤rotate the head 90° and pull out the insert



instruments(without coating)

	grasping forceps (bowel grasper) C220.01 φ5X330mm
	grasping forceps (bowel grasper, fenestrated) C220.02 φ5X330mm
	grasping forceps (clasping) C220.03 φ5X330mm
	grasping forceps (duckbill) C220.04 φ5X330mm
	grasping forceps (atraumatic) C220.05 φ5X330mm
	grasping forceps (tiny serration, atraumatic) C220.06 φ5X330mm
	grasping forceps (atraumatic) C220.07 φ5X330mm
	grasping forceps (tough teeth, atraumatic) C220.08 φ5X330mm
	grasping forceps (maxi) C220.09 φ5X330mm
	grasping forceps (blunt) C220.10 φ5X330mm
	grasping forceps (pointed, dolphin nose) C220.13 φ5X330mm

	biopsy forceps C220.14 φ5X330mm
	grasping forceps (appendix) C220.15 φ5X330mm
	grasping forceps (babcock) C220.16 φ5X330mm
	grasping forceps (oviduct) C220.17 φ5X330mm
	grasping forceps (oviduct S) C220.17.1 φ5X330mm
	grasping forceps (oviduct L) C220.17.2 φ5X330mm
	grasping forceps (mesentery) C220.18 φ5X330mm
	grasping forceps (mesentery, fenestrated) C220.18.1 φ5X330mm
	grasping forceps (crossteeth, fenestrated) C220.19 φ5X330mm
	grasping forceps (vertical teeth, fenestrated) C220.20 φ5X330mm
	grasping forceps (O-shaped) C220.21 φ5X330mm

h1>instruments(without coating)

	grasping forceps (O-shaped, fenestrated) C220.22 φ5X330mm
	grasping forceps(stomach) C220.23 φ5X330mm
	grasping forceps(coincide) C220.25 φ5X330mm
	grasping forceps (CROCE/OLMI, single action) C220.26 φ5X330mm
	grasping forceps(fixation) C220.27 φ5X330mm
	grasping forceps C220.28 φ5X330mm
	grasping forceps(urethra) C220.29 φ5X330mm
	grasping forceps (CROCE/OLMI, double action) C220.30 φ5X330mm
	grasping forceps(pike) C220.32 φ5X330mm
	grasping forceps (alligator jaws) C220.33 φ5X330mm
	grasping forceps (appendix, short) C220.34 φ5X330mm

	grasping forceps C220.35 φ5X330mm
	grasping forceps (slight serrated) C220.36 φ5X330mm
	grasping forceps (double holes) C220.37 φ5X330mm
	grasping forceps C220.41 φ5X330mm
	A-knot forceps C220.42 φ5X330mm
	knot forceps C220.43 φ5X330mm
	grasping forceps(pawl) C221.01 φ5X330mm
	claw forceps(2+3teeth) C221.03 φ5X330mm
	claw forceps(1+2teeth) C221.04 φ5X330mm
	claw forceps (1+2 teeth, double action) C221.04.1 φ5X330mm
	claw forceps(pawl, 2+3teeth) C221.05 φ5X330mm

instruments(without coating)

	grasping forceps (rough serrated, fenestrated) C221.07 φ5X330mm
	biopsy punch forceps (two teeth) C221.08 φ5X330mm
	grasping forceps (triporate) C221.10 φ5X330mm
	grasping forceps C221.11 φ5X330mm
	grasping forceps (2+3teeth) C221.12 φ5X330mm
	grasping forceps (with teeth) C221.13 φ5X330mm
	grasping forceps (WOLF teeth) C221.14 φ5X330mm
	grasping forceps (with teeth, double action) C221.15 φ5X330mm
	straight scissors (single action) B209.01 φ5X330mm
	straight scissors (double action) B209.02 φ5X330mm
	curved scissors (single action) B209.03 φ5X330mm

	curved scissors (double action, long) B209.04 φ5X330mm
	curved scissors (double action, short) B209.04.1 φ5X330mm
	hook scissor B209.05 φ5X330mm
	scissor (single action, 45°) B209.06 φ5X330mm
	dissecting forceps (straight) B212.01 φ5X330mm
	dissecting forceps (curved 19mm) B213.01 φ5X330mm
	dissecting forceps (curved 17mm) B213.01.1 φ5X330mm
	dissecting forceps (curved 14mm) B213.01.2 φ5X330mm
	dissecting forceps (curved 12mm) B213.01.3 φ5X330mm
	dissecting forceps (grid teeth, 17mm) B213.09 φ5X330mm
	dissecting forceps (Precision) B213.11 φ5X330mm

instruments(without coating)

	dissecting forceps(90°) B213.04 φ5X330mm
	dissecting forceps(45°) B213.06 φ5X330mm
	dissecting forceps (grid teeth) B213.08 φ5X330mm

	dissecting forceps(70°) B213.05 φ5X330mm
	dissecting forceps(30°) B213.07 φ5X330mm
	dissecting forceps (grid teeth,90°) B213.10 φ5X330mm


Anti-stick coating

	grasping forceps (bowel grasper, fenestrated) C220.02H φ5X330mm
	grasping forceps (CROCE/OLMI, single action) C220.26H φ5X330mm

	grasping forceps (tiny serration, atraumatic) C220.06H φ5X330mm
	dissecting forceps (curved 19mm) B213.01H φ5X330mm

compatible with all 5mm instrument inserts

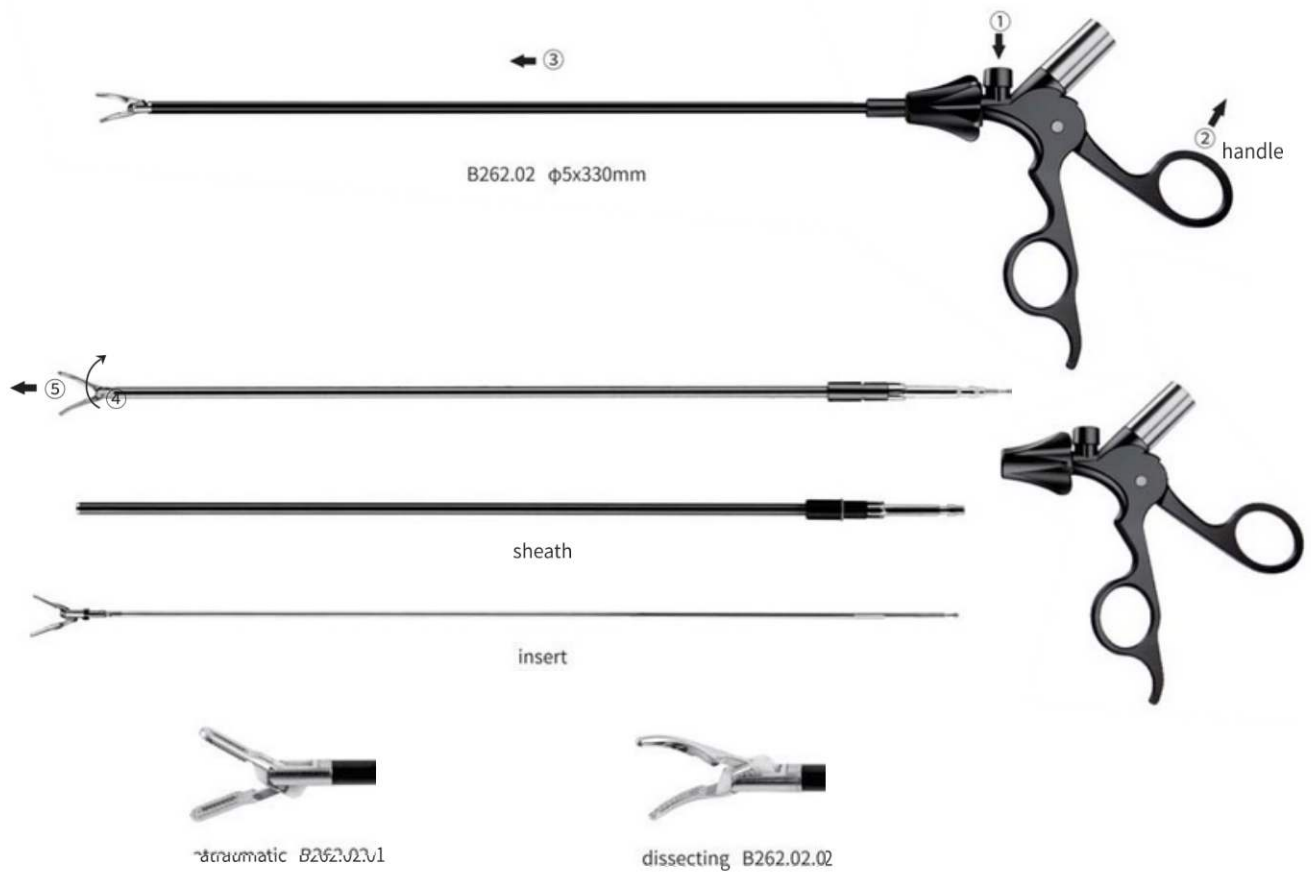
	dissecting forceps(90°) C213.04.1 φ10X330mm
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	dissecting forceps(70°) C213.05.1 φ10X330mm
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bipolar forceps type II

Disassembled in 5 steps

①press the button②open the handle③pull out the sheath④⑤rotate the head and pull out the insert



HF cable



Adaptor for monopolar cable
B271.01 8mm



Adaptor for monopolar cable
B271.01.01 6mm



B270.01 monopolar cable length 3000mm

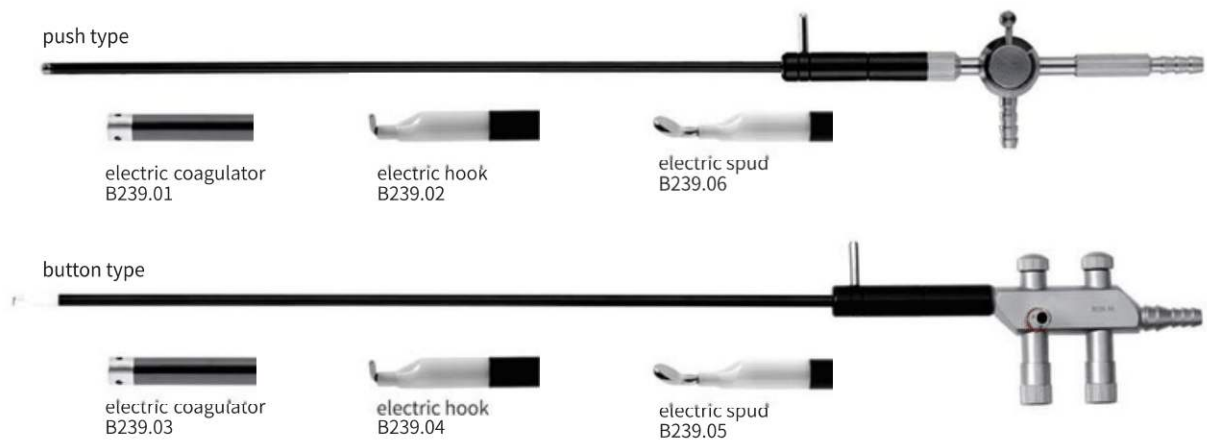


B270.02 bipolar cable length 3000mm

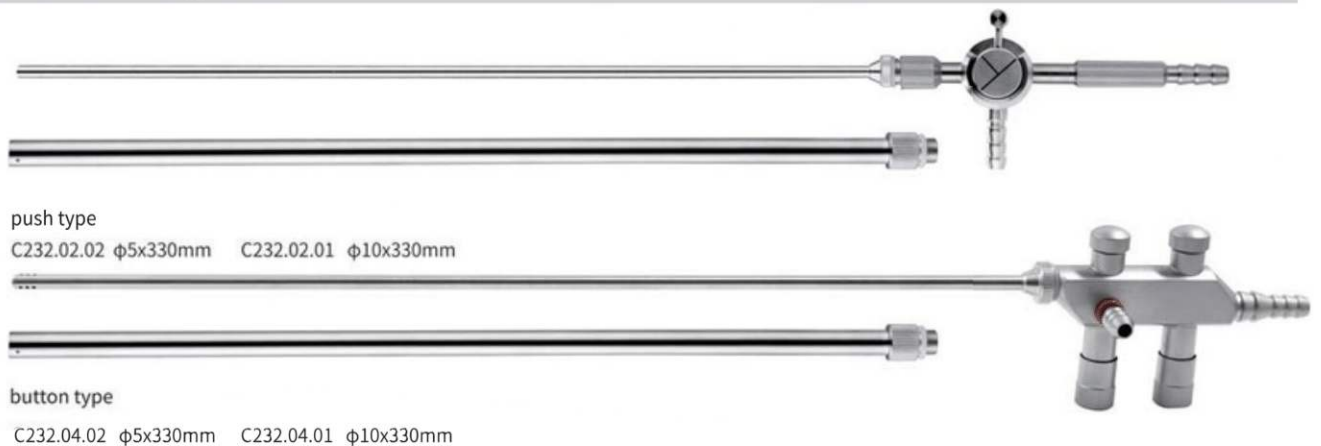
electrode



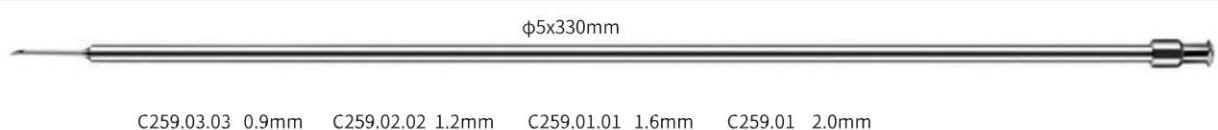
electrode with suction channel



suction and irrigation



suction needle



Pediatric laparoscopic instrument set

titanium clip applicator
C202.02 $\phi 5 \times 330 \text{ mm}$



hem-o-lok clip applicator
C203.03 $\phi 5 \times 330 \text{ mm}$



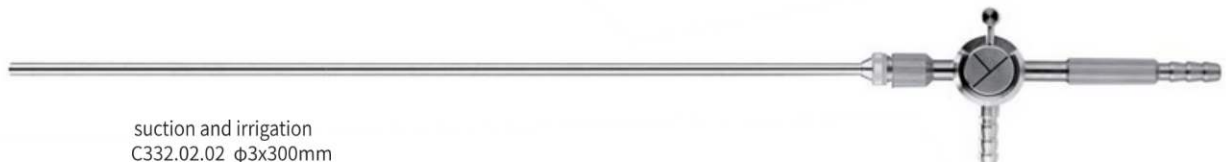
trocar CM253.01 $\phi 3 \times 75 \text{ mm}$



trocar CM255.01 $\phi 5.5 \times 100 \text{ mm}$



reducer C361.01 $\phi 5-3 \text{ 80 mm}$



suction and irrigation
C332.02.02 $\phi 3 \times 300 \text{ mm}$



needle holder CM307.06.01 (straight) CM307.06.02 (curved) $\phi 3 \times 300 \text{ mm}$
CM407.06.01 (straight) CM407.06.02 (curved) $\phi 3 \times 200 \text{ mm}$



straight head



curved head



electric hook
B334.01 $\phi 3 \times 300 \text{ mm}$
B434.01 $\phi 3 \times 200 \text{ mm}$



electric coagulator
B335.01 $\phi 3 \times 300 \text{ mm}$
B435.01 $\phi 3 \times 200 \text{ mm}$



electric needle
B337.01 $\phi 3 \times 300 \text{ mm}$
B437.01 $\phi 3 \times 200 \text{ mm}$

Abdominal Retractor System SWD-G

Product Adaptation:

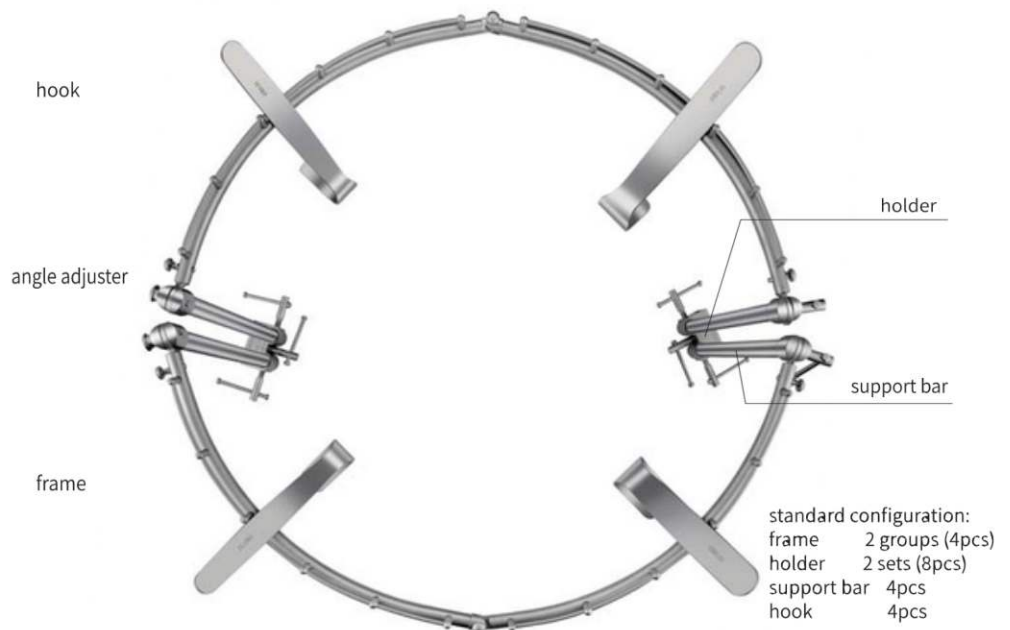
The abdominal retractor is suitable for all abdominal surgeries, especially upper abdominal surgeries, such as liver and kidney transplantation, hepatic lobectomy, total gastrectomy, two-dimensional pancreas resection, splenectomy, peripancreatic detachment, and colorectal surgery, etc. It has many advantages, such as satisfactory visualization of the operative field, time-saving and power-saving, and is a good helper for surgical procedures.

Product Structure:

The abdominal retractor is precision machined from high quality stainless steel and has two detachable semi-circular positioning frames, two adjustable positioning bases, and four adjustable backbones.

Performance Features:

- ① This product has a stable structure and reasonable design, and can be quickly fixed on different types of cellular beds.
- ② Adjust the angle and orientation according to the needs of different surgeries.
- ③ Easily tested, disassembled, cleaned, and can be sterilized in various ways.



Abdominal surgical retractor SWD-G

