

Click'a²®
Polymer Ligating Clips

IF YOU KNOW THE MEANING OF



IN YOUR CAR

YOU HAVE TO CHECK
NEW CLICK'AV PLUS™

Click'a²™ **Plus**
2ND GENERATION POLYMER CLIP
PATENT PENDING



Ligating Clips



Click'a² PlusTM

2nd Generation Polymer Clip with
„ABS”



PATENT PENDING

Ligating Clips



CLICK'AV PLUS™
IS LIKE „ABS” IN YOUR CAR - WORKS AS
USUAL IN EVERYDAY SETTINGS, BUT SAVES
LIVES IN DIFFICULT CASES

Click'a[✓]Plus™

Ligating Clips

Click'aV^{Plus}™

Click'aV Plus™ Ligating Clips are implantable medical devices made of an advanced polymer to ensure a high level of biocompatibility along with the structural and dimensional stability over time, necessary for long-lasting patient safety.

They are designed to combine the speed of the metal clip with outstanding security comparable to 2.0 suture. This combination leads to extreme time savings.

The inner surface of the legs of the Click'aV Plus™ ligating clip has staggered opposed teeth arrangement inclined towards the gripped tissue.

In a number of procedures, Click'aV Plus™ Ligating Clips successfully replace endostaplers or the harmonic scalpel, combining highest security level with cost savings.




Equally important is the low interference with CT scanning, radiolucency in X-rays and the great safety in MRIs resulting in the lack of artifacts.

Every clip is fitted with the hinge and the latch tested in thousands of procedures.

Ligating Clips

Key features

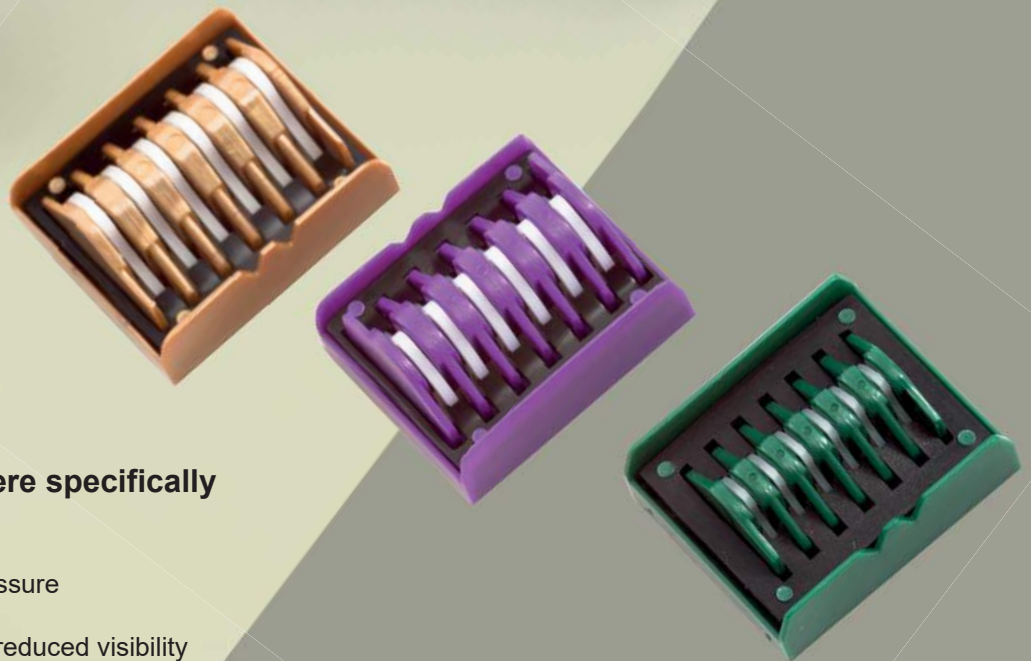
- atraumatic **two ways stabilisation** on the tissue
- easy loading system,
- **increased lateral stability** - no tendency of sliding off a vessel under pressure or manipulation in the operating field,
- removers available to unlock the clip,
- clips delivered in color-coded cartridges for easy identification,
- 6 clips per cartridge
- 20cm, 27cm and 27cm 70° angled clip applicators with properly sized jaws,
- color-coded applicator rings for easy identification,
- compatible with corresponding Click'aV® Applicators

REF	Clip size	Tissue bundle size range (mm)	Colour	Pcs per cartridge	Pcs cartridges per box
0301-10ML	Medium-Large	3-10		6	20
0301-10L	Large	5-13		6	20
0301-10XL	Extra-Large	7-16		6	20

Ligating Clips

New Click'aV Plus clips were specifically designed for:

- large vessels with increased pressure
- locations with difficult access or reduced visibility
- locations where manipulation in the operation field results in higher risk of mechanical clips displacement



New generation of clips



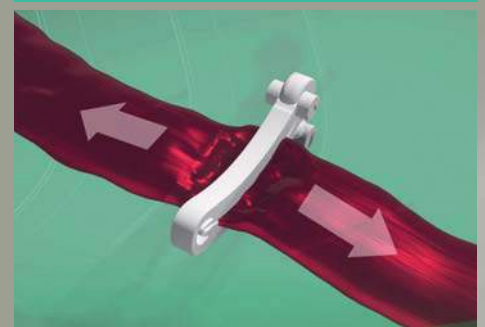
Staggered opposed teeth arrangement inclined towards the gripped tissue.

Enhanced tissue stability



No tendency of sliding off a vessel under pressure or manipulation in the operating field.

Higher strength



Due to the unique design and arrangement of the teeth, lateral and longitudinal stability of the new **Click'aV PlusTM** ligating clips is **more than twice higher** than the standard polymer clips.

Ligating Clips

Click'a²[®]

Safe occlusion on every click



Ligating Clips

Click'aV[®]

Click'aV[®] Ligating Clips are implantable medical devices made of an advanced polymer to ensure a high level of biocompatibility along with the structural and dimensional stability over time, necessary for long-lasting patient safety.

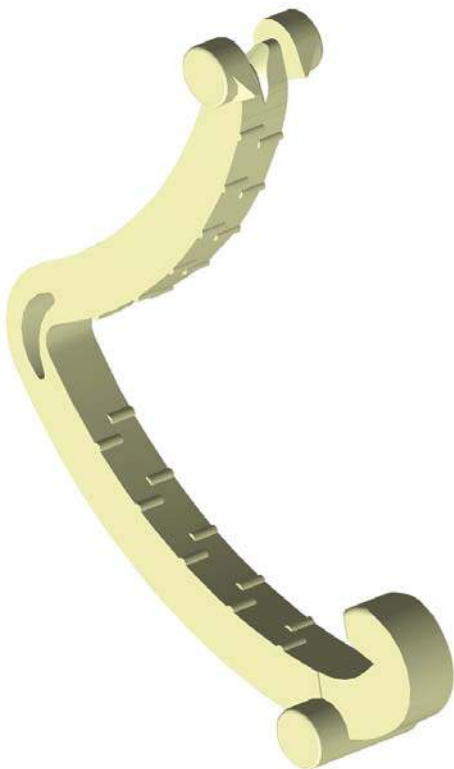
They are designed to combine the speed of the metal clip with outstanding security comparable to 2.0 suture. This combination leads to extreme time savings. In a number of procedures, Click'aV[®] Ligating Clips successfully replace endostaplers or the harmonic scalpel, combining the same security level with cost savings.

Equally important is the low interference with CT scanning, radiolucency in X-rays and the great safety in MRIs resulting in the lack of artifacts.

Ligating Clips

Key features

- 4 sizes to ligate tissue structures from 2mm to 16mm,
- ligate up to a 10mm tissue through a 5mm trocar or up to 16mm through a 10mm trocar,
- easy loading system,
- removers available to unlock the clip,
- clips delivered in color-coded cartridges for easy identification,
- 4 or 6 clips per cartridge to ensure economical and comfortable use of the product,
- 20cm, 27cm and 27cm 70° angled clip applicators with properly sized jaws,
- color-coded applier rings for easy identification.



Ligating Clips

PROCEDURE	WHY CLICKA'V®?
GENERAL SURGERY	
RIGHT, LEFT AND MIDDLE COLECTOMY	Saves time due to tissue penetration, tactile feedback on loading, tactile feedback on closure, no clip dropouts, no scissoring, the ability to encompass more tissue, the highest stability and security on tissue. Does not interfere with CT and MRI imaging.
ANTERIOR COLO-RECTAL RESECTION	Saves time due to tissue penetration, tactile feedback on loading, tactile feedback on closure, no clip dropouts, no scissoring, the ability to encompass more tissue, the highest stability and security on tissue. Does not interfere with CT and MRI imaging.
APPENDECTOMY	Saves cost due to endostaplers replacement. The tactile feedback ensures correct closure in poor visibility location. No clip dropouts.
CHOLECYSTECTOMY	One clip for the ligation of the cystic duct even when enlarged. Excellent stability and security on tissue.
GASTRECTOMY	Saves time due to tissue penetration, the tactile feedback on loading, the tactile feedback on closure, no clip dropouts, no scissoring, ability to encompass more tissue, highest stability and security on tissue resulting in fast ligation of the short gastric vessels. Does not interfere with CT and MRI imaging.
NISSEN FUNDOPLICATION	Saves time due to tissue penetration, the tactile feedback on loading, the tactile feedback on closure, no clip dropouts, no scissoring, the ability to encompass more tissue, the highest stability and security on tissue resulting in fast ligation of the short gastric vessels. Does not interfere with CT and MRI imaging.
SPLENECTOMY	Excellent stability and security on tissue
UROLOGY	
PROSTATECTOMY	Easy to apply in a surgical field with difficult or limited exposure due to its excellent stability in the applier. No clip dropouts. Does not interfere with CT and MRI imaging.
ADRENALECTOMY	Security due to latch mechanism, the tactile feedback on closure and excellent stability on tissue. No clip dropouts. Does not interfere with CT and MRI imaging.
NEPHRECTOMY	Security due to latch mechanism, the tactile feedback on closure and excellent stability on tissue. No clip dropouts. Does not interfere with CT and MRI imaging.
GYNECOLOGY	
HYSTERECTOMY	Both in total abdominal and laparoscopically assisted vaginal hysterectomies offers extreme security due to latch mechanism, the tactile feedback on closure and excellent stability on tissue.
THORACIC SURGERY	
PULMONECTOMY, LOBECTOMY, SEGMENTECTOMY	Saves time due to the tactile feedback on loading, the tactile feedback on closure, no clip dropouts, no scissoring. Extreme stability and security on vessel. Does not interfere with CT and MRI imaging.
VASCULAR SURGERY	
VARICOSE VEIN SURGERY	Saves time due to tissue penetration, the tactile feedback on loading, the tactile feedback on closure, no clip dropouts, no scissoring, the ability to encompass more tissue, highest stability and security on vessels.
CARDIO VASCULAR SURGERY	
CABG	Extreme security of IMA and Saphenous stumps ligation. Much easier and faster access vs. suture ties.
ABDOMINAL AORTIC ANEURYSM	Extreme security on vessel. The tactile feedback on closure. Does not interfere with CT and MRI imaging.
E.N.T.	
THYROIDECTOMY	Extreme stability and security on vessel.

Ligating Clips

TISSUE STRUCTURE		SURGICAL APPROACH
	Gastro colic ligament, right & left colic vessels or branches, ileocolic vessels or branches, middle colic vessels or branches, sigmoid vessels, superior hemorrhoidal vessels, inferior mesenteric vessels or branches	LAP - M, ML, L, XL OPEN - M, ML, L, XL
	Inferior mesenteric vessels or branches, subhemorrhoidal vessels, middle hemorrhoidal vessels	LAP - M, ML, L, XL OPEN - M, ML, L, XL
	Appendiceal mesenteric arteries and veins, appendiceal stump	LAP - M, ML, L, XL OPEN - M, ML, L, XL
	Cystic artery, cystic duct	LAP - M, ML, L, XL OPEN - M, ML, L, XL
	Gastric arteries, gastroepiploic artery, gastro colic vessels, gastrosplenic vessels	LAP - M, ML, L, XL OPEN - M, ML, L, XL
	Short gastric vessels	LAP - M, ML, L, XL OPEN - M, ML, L, XL
	Splenic artery, splenic vein, gastrosplenic vessels	LAP - M, ML, L, XL OPEN - M, ML, L, XL
	Vas deferens, puboprostatic ligaments, superficial periprostatic veins, dorsal vein complex, preprostatic vein	LAP - M, ML, L, XL OPEN - M, ML, L, XL
	Adrenal artery, adrenal vein	LAP - M, ML, L OPEN - M, ML, L
	Ureter, renal vein, renal artery, gonadal vein, adrenal vein, lumbar vein	LAP - M, ML, L, XL OPEN - M, ML, L, XL
	Round ligament, uterine artery, ovarian ligament, infundibuloplevic ligament, Fallopian tubes	LAP - M, ML, L, XL OPEN - M, ML, L, XL
	Lobar and segmental vessels	LAP - M, ML, L, XL OPEN - M, ML, L, XL
	Saphenofemoral junction, saphenous vein junction	LAP --- OPEN - M, ML, L
	IMA artery stump, saphenous vein and stumps	LAP - M, ML, L, XL OPEN - M, ML, L, XL
	Lumbar artery and veins, branch vessels of the aorta	LAP - M, ML, L, XL OPEN - M, ML, L, XL
	Thyroid artery, thyroid pedicle	LAP --- OPEN - M, ML

Successful application in VATS

Click'aV® The clips proved their benefits in advanced surgical procedures performed in Video Assisted Thoracic Surgery (VATS) where their features in combination with the unique angled appliers offer synergy for users.

Dr D. Gonzalez-Rivas et al./
Interactive Cardio Vascular and Thoracic Surgery



Division of a middle lobe artery with vascular Click'aV® clips.












The surgeon is fully responsible for choosing the proper size of the clip and must determine how many clips are necessary to achieve satisfactory hemostasis and closure security.

Ligated structure sizes for each clip size is given for general information purposes only. Make sure clip's size is appropriate for the structure to be ligated. Clip should completely encompass the vessel or tissue structure.

Ligating Clips

Surgeons can take advantage of the unique design features of Click'aV[®] Ligating Clips:

- non-absorbable polymer = unlimited hold-on time
- penetrating lock = fast and effective closure, security on the tissue, tactile feedback on closure
- self-leading lock = no scissoring of the clip
- precision bosses = security in the applier – no dropouts, no slip-back, tactile feedback on loading
- bowed shape = ability to encompass more tissue
- living hinge = flexibility during opening and closing, no over-closing
- integrated teeth = no slippage on the tissue

REF	Clip size	Tissue bundle size range (mm)	Colour	Pcs per cartridge	Pcs cartridges per box
0301-03M	Medium	2-7		6	20
0301-03ML	Medium-Large	3-10		6	20
0301-03L	Large	5-13		6	20
0301-03XL	Extra-Large	7-16		6	20
0301-03M04	Medium	2-7		4	20
0301-03ML04	Medium-Large	3-10		4	20
0301-03L04	Large	5-13		4	20
0301-03XL04	Extra-Large	7-16		4	20
0301-03ML02	Medium-Large	3-10		2	20
0301-03L02	Large	5-13		2	20
0301-03XL02	Extra-Large	7-16		2	20

Cost-effective alternative for simple procedures



2 or 4 clips per cartridge

Endoscopic Clip Appliers



Endoscopic Clip Appliers

**Ergonomic and effective approach
in endoscopic procedures**

Endoscopic Clip Appliers

Endoscopic Clip Appliers

Key features

- available for Medium, Medium-Large, Large and Extra-Large non-absorbable Click'aV[®] clips to be used on large spectrum of tissue sizes,
- jaws activated by front handle for better stability,
- 360° shaft rotation by index finger allows one-handed operation,
- flushing port facilitates easy cleaning, thus eliminating potential contamination,
- non-detachable design for easier maintenance and durability,
- made of high quality stainless steel,
- colour coded size matching cartridge hue,
- compatible with corresponding sizes of Click'aV[®] polymer non-absorbable clips

Below are listed the most popular appliers only. The extensive list of the available instruments is located at the end of the catalogue.

REF 0301-04ME	
Size	M
Colour	
Shaft diameter (mm)	5
Trocar diameter (mm)	5
Working length (cm)	33
Box quantity (pcs)	1



REF 0301-04MLE	
Size	ML
Colour	
Shaft diameter (mm)	5
Trocar diameter (mm)	5
Working length (cm)	33
Box quantity (pcs)	1







REF 0301-04LE	
Size	L
Colour	
Shaft diameter (mm)	10
Trocar diameter (mm)	10
Working length (cm)	33
Box quantity (pcs)	1



REF 0301-04XLE	
Size	XL
Colour	
Shaft diameter (mm)	10
Trocar diameter (mm)	10
Working length (cm)	33
Box quantity (pcs)	1



Endoscopic Clip Appliers

-  M
-  ML
-  L
-  XL



Endoscopic Clip Appliers

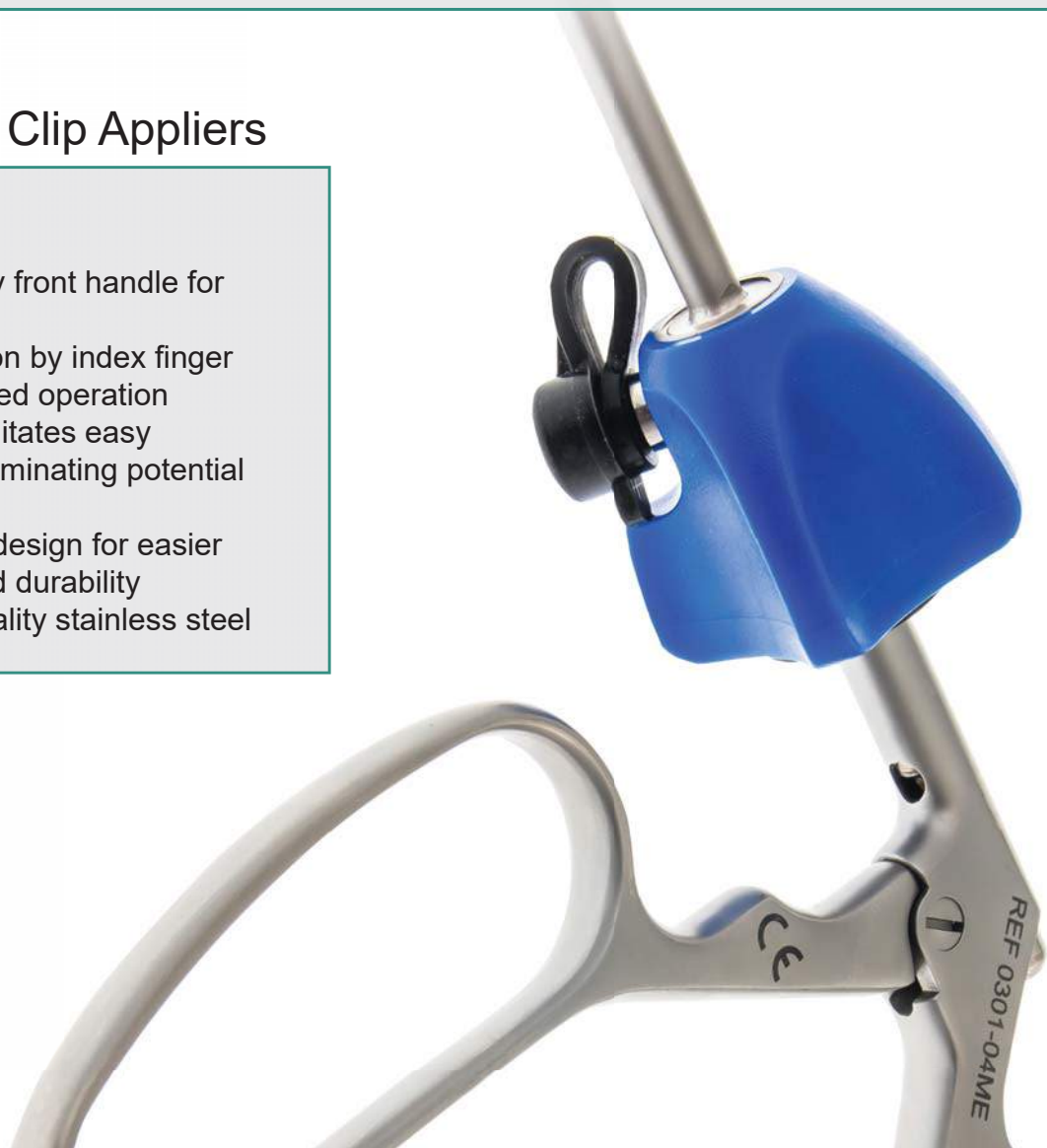
M-Size Endoscopic Clip Appliers

Unique size - more possibilities

M-Size Endoscopic Clip Appliers

Key features:

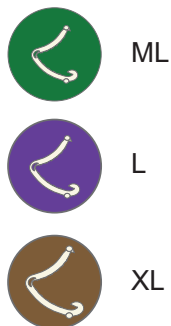
- jaws activated by front handle for better stability
- 360° shaft rotation by index finger allows one-handed operation
- flushing port facilitates easy cleaning, thus eliminating potential contamination
- non-detachable design for easier maintenance and durability
- made of high quality stainless steel



Endoscopic Clip Appliers

20° Endoscopic Clip Appliers

20° For better access in difficult anatomical conditions



Endoscopic Clip Appliers



20° Endoscopic Clip Appliers

Key features

- available for Medium-Large, Large and Extra-Large non-absorbable Click'aV® clips to be used on large spectrum of tissue sizes,
- jaws activated by front handle for better stability,
- 360° shaft rotation by index finger allows one-handed operation,
- flushing port facilitates easy cleaning, thus eliminating potential contamination,
- non-detachable design for easier maintenance and durability,
- made of high quality stainless steel,
- colour coded size matching cartridge hue,
- compatible with corresponding sizes of Click'aV® polymer non-absorbable clips

Below are listed the most popular applicators only. The extensive list of the available instruments is located at the end of the catalogue.

<table border="1"> <thead> <tr> <th colspan="2">REF 0301-04MLEA20</th> </tr> </thead> <tbody> <tr> <td>Size</td> <td>ML</td> </tr> <tr> <td>Colour</td> <td>●</td> </tr> <tr> <td>Shaft diameter (mm)</td> <td>5</td> </tr> <tr> <td>Trocar diameter (mm)</td> <td>10</td> </tr> <tr> <td>Working length (cm)</td> <td>33</td> </tr> <tr> <td>Box quantity (pcs)</td> <td>1</td> </tr> </tbody> </table>	REF 0301-04MLEA20		Size	ML	Colour	●	Shaft diameter (mm)	5	Trocar diameter (mm)	10	Working length (cm)	33	Box quantity (pcs)	1	
REF 0301-04MLEA20															
Size	ML														
Colour	●														
Shaft diameter (mm)	5														
Trocar diameter (mm)	10														
Working length (cm)	33														
Box quantity (pcs)	1														
<table border="1"> <thead> <tr> <th colspan="2">REF 0301-04LEA20</th> </tr> </thead> <tbody> <tr> <td>Size</td> <td>L</td> </tr> <tr> <td>Colour</td> <td>●</td> </tr> <tr> <td>Shaft diameter (mm)</td> <td>10</td> </tr> <tr> <td>Trocar diameter (mm)</td> <td>12</td> </tr> <tr> <td>Working length (cm)</td> <td>33</td> </tr> <tr> <td>Box quantity (pcs)</td> <td>1</td> </tr> </tbody> </table>	REF 0301-04LEA20		Size	L	Colour	●	Shaft diameter (mm)	10	Trocar diameter (mm)	12	Working length (cm)	33	Box quantity (pcs)	1	
REF 0301-04LEA20															
Size	L														
Colour	●														
Shaft diameter (mm)	10														
Trocar diameter (mm)	12														
Working length (cm)	33														
Box quantity (pcs)	1														
<table border="1"> <thead> <tr> <th colspan="2">REF 0301-04XLEA20</th> </tr> </thead> <tbody> <tr> <td>Size</td> <td>XL</td> </tr> <tr> <td>Colour</td> <td>●</td> </tr> <tr> <td>Shaft diameter (mm)</td> <td>10</td> </tr> <tr> <td>Trocar diameter (mm)</td> <td>12</td> </tr> <tr> <td>Working length (cm)</td> <td>33</td> </tr> <tr> <td>Box quantity (pcs)</td> <td>1</td> </tr> </tbody> </table>	REF 0301-04XLEA20		Size	XL	Colour	●	Shaft diameter (mm)	10	Trocar diameter (mm)	12	Working length (cm)	33	Box quantity (pcs)	1	
REF 0301-04XLEA20															
Size	XL														
Colour	●														
Shaft diameter (mm)	10														
Trocar diameter (mm)	12														
Working length (cm)	33														
Box quantity (pcs)	1														

Endoscopic Clip Appliers



Detachable Endoscopic Clip Appliers

Choose, Connect & Click







Endoscopic Clip Appliers

Detachable Endoscopic Clip Appliers

Key features

- Handle available for Medium + Medium-Large and Large + Extra-Large shafts,
- jaws activated by front handle for better stability,
- 360° shaft rotation by index finger allows one-handed operation,
- flushing port facilitates easy cleaning of the shaft, thus eliminating potential contamination,
- detachable design for greater versatility and cost savings,
- made of high quality stainless steel,
- colour coded size matching cartridge hue,
- compatible with corresponding sizes of Click'aV[®] polymer non-absorbable clips

Below are listed the most popular appliers only. The extensive list of the available instruments is located at the end of the catalogue.

REF 0301-04MMLEHS		
Size/ Colour	M, ML ●	
Specification	Handle with shaft	
Shaft diameter (mm)	5	
Trocar diameter (mm)	5	
Working length (cm)	33	
Box quantity (pcs)	1	
REF 0301-04LXLEHS		
Size/ Colour	L, XL ●	
Specification	Handle with shaft	
Shaft diameter (mm)	10	
Trocar diameter (mm)	10	
Working length (cm)	33	
Box quantity (pcs)	1	
REF 0301-04MEI		
Size/ Box quantity (pcs)	M/1	
Specification	Insert Fits 0301-04MMLEHS	
REF 0301-04MLEI		
Size/ Box quantity (pcs)	ML/1	
Specification	Insert Fits 0301-04MMLEHS	
REF 0301-04LEI		
Size/ Box quantity (pcs)	L/1	
Specification	Insert Fits 0301-04LXLEHS	
REF 0301-04XLEI		
Size/ Box quantity (pcs)	XL/1	
Specification	Insert Fits 0301-04LXLEHS	

Endoscopic Clip Appliers



Endoscopic Clip Appliers

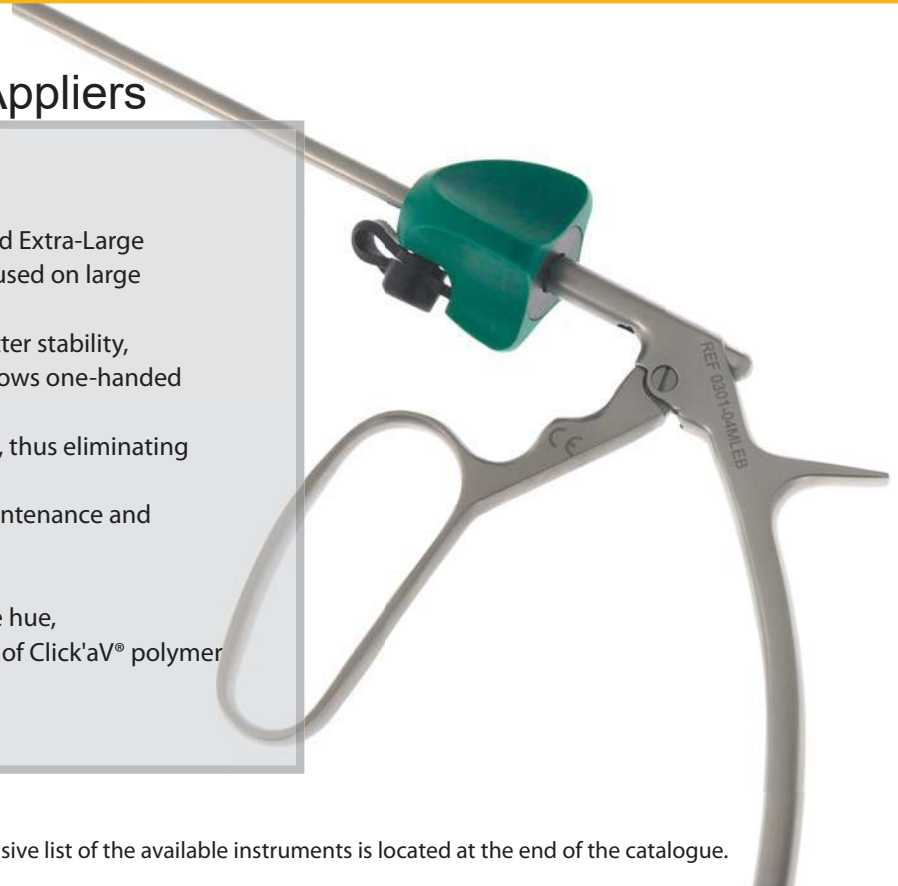
**Extra length for
bariatric surgery**

Endoscopic Clip Appliers







Bariatric Endoscopic Clip Appliers

Key features

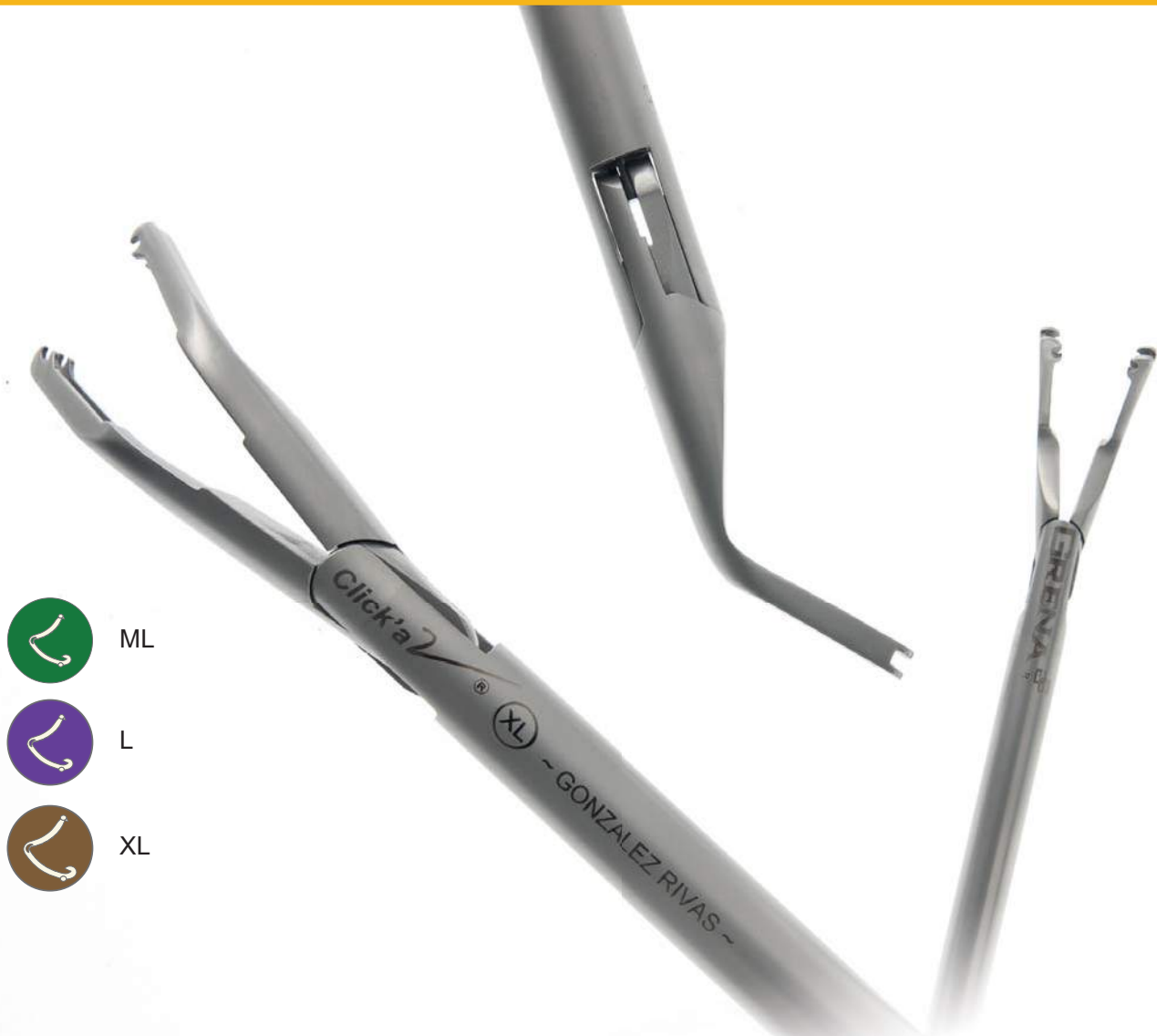
- available for Medium-Large, Large and Extra-Large non-absorbable Click'aV® clips to be used on large spectrum of tissue sizes,
- jaws activated by front handle for better stability,
- 360° shaft rotation by index finger allows one-handed operation,
- flushing port facilitates easy cleaning, thus eliminating potential contamination,
- non-detachable design for easier maintenance and durability,
- made of high-quality stainless steel,
- colour-coded size matching cartridge hue,
- compatible with corresponding sizes of Click'aV® polymer non-absorbable clips



Below are listed the most popular appliers only. The extensive list of the available instruments is located at the end of the catalogue.

REF 0301-04MLEB	
Size ML	
Colour 	
Shaft diameter (mm) 5	
Trocar diameter (mm) 5	
Working length (cm) 45	
Box quantity (pcs) 1	
REF 0301-04LEB	
Size L	
Colour 	
Shaft diameter (mm) 10	
Trocar diameter (mm) 10	
Working length (cm) 45	
Box quantity (pcs) 1	
REF 0301-04XLEB	
Size XL	
Colour 	
Shaft diameter (mm) 10	
Trocar diameter (mm) 10	
Working length (cm) 45	
Box quantity (pcs) 1	

Endoscopic Clip Appliers



Gonzalez Rivas 45° Endoscopic Clip Appliers

**Outstanding and complete
VATS solution**

Endoscopic Clip Appliers



Dr. Diego Gonzalez Rivas

Degree in Medicine and Surgery by the Universidad de Santiago de Compostela (1992-1998). Resident at the Thoracic Surgery Unit at Juan Canalejo hospital in La Coruna from 1999 to 2004. Medical doctor in Thoracic Surgery since July 2004, with medical practice at the Thoracic Surgery Unit at Complejo Hospitalario Universitario in Santiago de Compostela until April 2005 and from then in the Thoracic Surgery Unit at Complejo Hospitalario Universitario de A Coruna.

Gonzalez Rivas 45°

Key features

- 45° jaws angle for better access in VATS surgery,
- available for Medium-Large, Large and Extra-Large non-absorbable Click'aV® clips to be used on large spectrum of tissue sizes,
- jaws activated by front handle for better stability,
- 360° shaft rotation by index finger allows one-hand operation,
- flushing port facilitates easy cleaning, thus eliminating potential contamination,
- non-detachable design for easier maintenance and durability,
- made of high-quality stainless steel,
- colour-coded size matching cartridge hue,
- compatible with corresponding sizes of Click'aV® polymer non-absorbable clips


New and unique device for VATS surgery




Endoscopic Clip Appliers

Endoscopic Clip Appliers

Below are listed the most popular appliers only. The extensive list of the available instruments is located at the end of the catalogue.

REF 0301-04MLEA45	
Size	ML
Colour	
Shaft diameter (mm)	5
Retractor (recommended)	RingProtect™ Gonzalez Rivas modified
Trocar diameter (mm)	10
Working length (cm)	33
Box quantity (pcs)	1



REF 0301-04LEA45	
Size	L
Colour	
Shaft diameter (mm)	10
Retractor (recommended)	RingProtect™ Gonzalez Rivas modified
Working length (cm)	33
Box quantity (pcs)	1



REF 0301-04XLEA45	
Size	XL
Colour	
Shaft diameter (mm)	10
Retractor (recommended)	RingProtect™ Gonzalez Rivas modified
Working length (cm)	33
Box quantity (pcs)	1



45° Endosconpi
Appliers fit Grena's
disposable wound
protectors/ retractors
RingProtect™ Gonzalez
Rivas modified.







*(product is not intended to pass
through standard access ports)*

RingProtect™
Gonzalez Rivas
modified
REF 0221-070070035NA

**Facilitates clip application in
the most challenging VATS
surgery, especially in single
access procedures.**

Open Surgery Clip Appliers

-  M
-  ML
-  L
-  XL



Open Surgery Clip Appliers

**Ergonomic and easy approach in
open surgery procedures**













Open Surgery Clip Appliers

Open Surgery Clip Appliers

Key features

- available for Medium, Medium-Large, Large and Extra-Large non-absorbable Click'aV® clips to be used on large spectrum of tissue sizes,
- 20cm, 27cm and 27cm 70° angled clip appliers with proper sized jaws
- non-detachable design for easier maintenance and durability,
- made of high quality stainless steel,
- colour coded rings matching cartridge hue,
- compatible with corresponding sizes of Click'aV® polymer non-absorbable clips

Below are listed the most popular appliers only. The extensive list of the available instruments is located at the end of the catalogue.

REF	Clip Size/ Colour	Applier Length (cm)	Tip Style	Box quantity (pcs)
0301-04M20	M/ 	20	Curved	1
0301-04M27	M/ 	27	Curved	1
0301-04M27A70	M/ 	27	Right Angled 70°	1
0301-04ML20	ML/ 	20	Curved	1
0301-04ML27	ML/ 	27	Curved	1
0301-04ML27A70	ML/ 	27	Right Angled 70°	1
0301-04L20	L/ 	20	Curved	1
0301-04L27	L/ 	27	Curved	1
0301-04L27A70	L/ 	27	Right Angled 70°	1
0301-04XL20	XL/ 	20	Curved	1
0301-04XL27	XL/ 	27	Curved	1
0301-04XL27A70	XL/ 	27	Right Angled 70°	1



Clip Removers

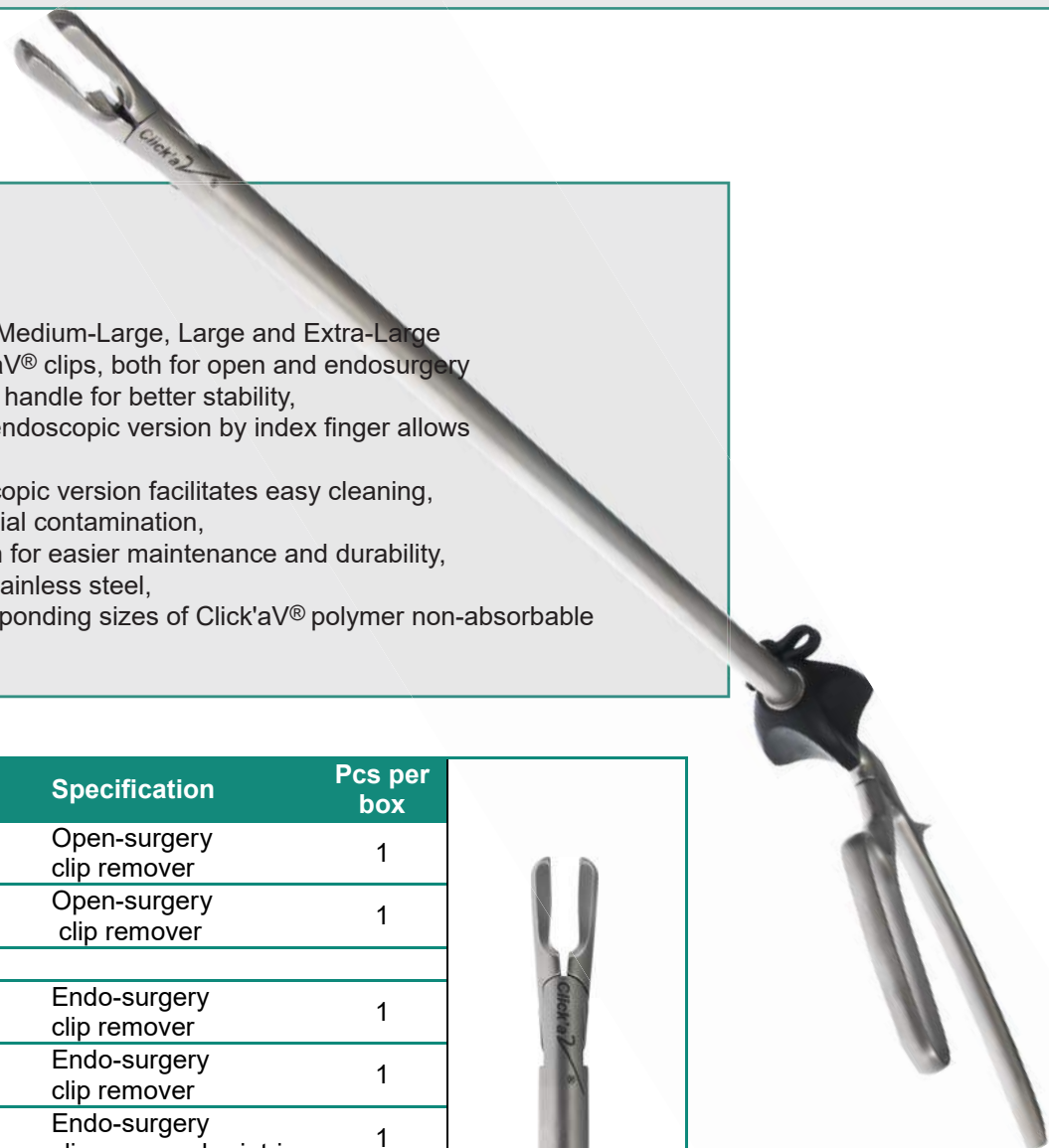
Safe un-click at your fingertips

Clip Removers

Key features

- available for Medium, Medium-Large, Large and Extra-Large non-absorbable Click'aV® clips, both for open and endosurgery
- jaws activated by front handle for better stability,
- 360° shaft rotation of endoscopic version by index finger allows one-hand operation,
- flushing port of endoscopic version facilitates easy cleaning, thus eliminating potential contamination,
- non-detachable design for easier maintenance and durability,
- made of high quality stainless steel,
- compatible with corresponding sizes of Click'aV® polymer non-absorbable clips

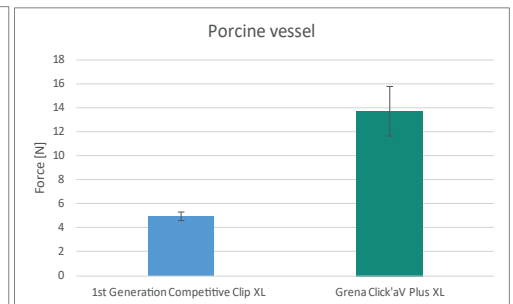
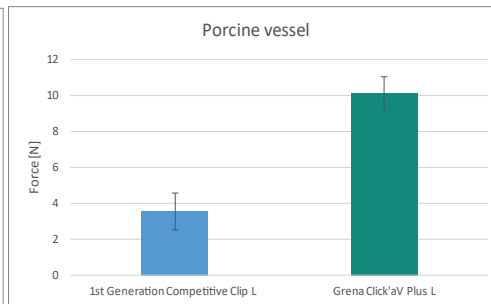
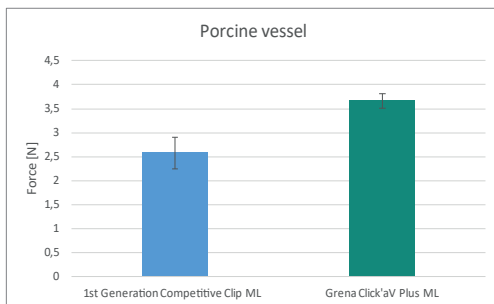
REF	Clip Size	Specification	Pcs per box
0301-R804MMLL	M, ML, L	Open-surgery clip remover	1
0301-R804XL	XL	Open-surgery clip remover	1
0301-R804MLLE	M, ML, L	Endo-surgery clip remover	1
0301-R804LXLE (recommended for L)	L, XL	Endo-surgery clip remover	1
0301-R804MLLEB	M, ML, L	Endo-surgery clip remover bariatric	1
0301-R804LXLEB (recommended for L)	L, XL	Endo-surgery clip remover bariatric	1



Choose wisely - click for safety

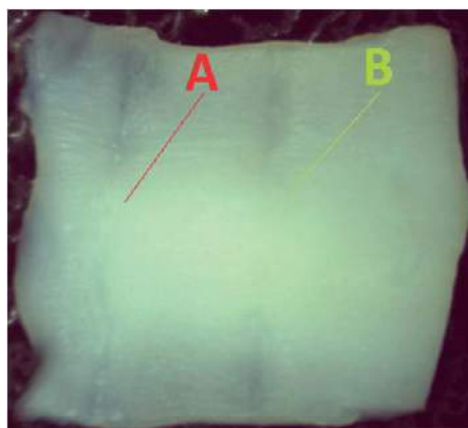
Transverse stability is a major factor protecting against clip slipping off. Our main objective during the design work on Click'aV Plus was to protect the patient from the possibility of clip displacement off the vessel. Result of Grena's Team efforts is the second generation polymer clip - **the first clip in the world with ABS built-in.**

Click'aV Plus vs leading competitive polymer clips



transverse stability = security

Secure clip is stable on the vessel and at the same time delicate for tissues. The challenging task of combining these two features was successfully accomplished in our flagship Click'aV Plus™.



Picture: Polymer clip prints on porcine vessel

A - Grena Click'aV™ Plus Clip

B - 1st Generation Competitive Clip

Endoscopic Clip Appliers & Clip Removers

INDEX

All Click'aV® Appliers are compatible with corresponding Click'aV Plus™ clips.

Extensive list of the available clip appliers and clip removers

Click'aV® Endoscopic Appliers		
REF	Clip Size	Type
0301-04ME	M	Click'aV® Applier Endo
0301-04MEB	M	Click'aV® Applier Endo Bariatric
0301-04MEA20	M	Click'aV® Applier Endo 20 degrees Angled
0301-04MEA20B	M	Click'aV® Applier Endo 20 degrees Angled Bariatric
0301-04MEA45	M	Click'aV® Applier Endo 45 degrees Angled
0301-04MEA45B	M	Click'aV® Applier Endo 45 degrees Angled Bariatric
0301-04MLE	ML	Click'aV® Applier Endo
0301-04MLEB	ML	Click'aV® Applier Endo Bariatric
0301-04MLEA20	ML	Click'aV® Applier Endo 20 degrees Angled
0301-04MLEA20B	ML	Click'aV® Applier Endo 20 degrees Angled Bariatric
0301-04MLEA45	ML	Click'aV® Applier Endo 45 degrees Angled
0301-04MLEA45B	ML	Click'aV® Applier Endo 45 degrees Angled Bariatric
0301-04LE	L	Click'aV® Applier Endo
0301-04LEB	L	Click'aV® Applier Endo Bariatric
0301-04LEA20	L	Click'aV® Applier Endo 20 degrees Angled
0301-04LEA20B	L	Click'aV® Applier Endo 20 degrees Angled Bariatric
0301-04LEA45	L	Click'aV® Applier Endo 45 degrees Angled
0301-04LEA45B	L	Click'aV® Applier Endo 45 degrees Angled Bariatric
0301-04XLE	XL	Click'aV® Applier Endo
0301-04XLEB	XL	Click'aV® Applier Endo Bariatric
0301-04XLEA20	XL	Click'aV® Applier Endo 20 degrees Angled
0301-04XLEA20B	XL	Click'aV® Applier Endo 20 degrees Angled Bariatric
0301-04XLEA45	XL	Click'aV® Applier Endo 45 degrees Angled
0301-04XLEA45B	XL	Click'aV® Applier Endo 45 degrees Angled Bariatric

Click'aV® Clip Removers - Endo		
REF	Clip Size	Type
0301-R804MLLE	M&ML	Click'aV® Clip Remover Endo for sizes M and ML
0301-R804MLLEB	L&XL	Click'aV® Clip Remover Endo for sizes M and ML Bariatric
0301-R804LXLE	M&ML	Click'aV® Clip Remover Endo for sizes L and XL
0301-R804LXLEB	L&XL	Click'aV® Clip Remover Endo for sizes L and XL Bariatric

Click'aV® Detachable Endoscopic Appliers		
REF	Clip Size	Type
0301-04MMLEHS	M&ML	Click'aV® Applier Endo Detachable - Handle and shaft
0301-04LXLEHS	L&XL	Click'aV® Applier Endo Detachable - Handle and shaft
0301-04MMLEHSB	M&ML	Click'aV® Applier Endo Detachable - Handle and shaft Bariatric
0301-04LXLEHSB	L&XL	Click'aV® Applier Endo Detachable - Handle and shaft Bariatric
0301-04MEI	M	Click'aV® Applier Endo Detachable - Insert
0301-04MEIB	M	Click'aV® Applier Endo Detachable - Insert Bariatric
0301-04MEA20I	M	Click'aV® Applier Endo Detachable - Insert 20 degrees Angled
0301-04MEA20IB	M	Click'aV® Applier Endo Detachable - Insert 20 degrees Angled Bariatric
0301-04MEA45I	M	Click'aV® Applier Endo Detachable - Insert 45 degrees Angled
0301-04MEA45IB	M	Click'aV® Applier Endo Detachable - Insert 45 degrees Angled Bariatric
0301-04MLEI	ML	Click'aV® Applier Endo Detachable - Insert
0301-04MLEIB	ML	Click'aV® Applier Endo Detachable - Insert Bariatric
0301-04MLEA20I	ML	Click'aV® Applier Endo Detachable - Insert 20 degrees Angled
0301-04MLEA20IB	ML	Click'aV® Applier Endo Detachable - Insert 20 degrees Angled Bariatric
0301-04MLEA45I	ML	Click'aV® Applier Endo Detachable - Insert 45 degrees Angled
0301-04MLEA45IB	ML	Click'aV® Applier Endo Detachable - Insert 45 degrees Angled Bariatric
0301-04LEI	L	Click'aV® Applier Endo Detachable - Insert
0301-04LEIB	L	Click'aV® Applier Endo Detachable - Insert Bariatric
0301-04LEA20I	L	Click'aV® Applier Endo Detachable - Insert 20 degrees Angled
0301-04LEA20IB	L	Click'aV® Applier Endo Detachable - Insert 20 degrees Angled Bariatric
0301-04LEA45I	L	Click'aV® Applier Endo Detachable - Insert 45 degrees Angled
0301-04LEA45IB	L	Click'aV® Applier Endo Detachable - Insert 45 degrees Angled Bariatric
0301-04XLEI	XL	Click'aV® Applier Endo Detachable - Insert
0301-04XLEIB	XL	Click'aV® Applier Endo Detachable - Insert Bariatric
0301-04XLEA20I	XL	Click'aV® Applier Endo Detachable - Insert 20 degrees Angled
0301-04XLEA20IB	XL	Click'aV® Applier Endo Detachable - Insert 20 degrees Angled Bariatric
0301-04XLEA45I	XL	Click'aV® Applier Endo Detachable - Insert 45 degrees Angled
0301-04XLEA45IB	XL	Click'aV® Applier Endo Detachable - Insert 45 degrees Angled Bariatric

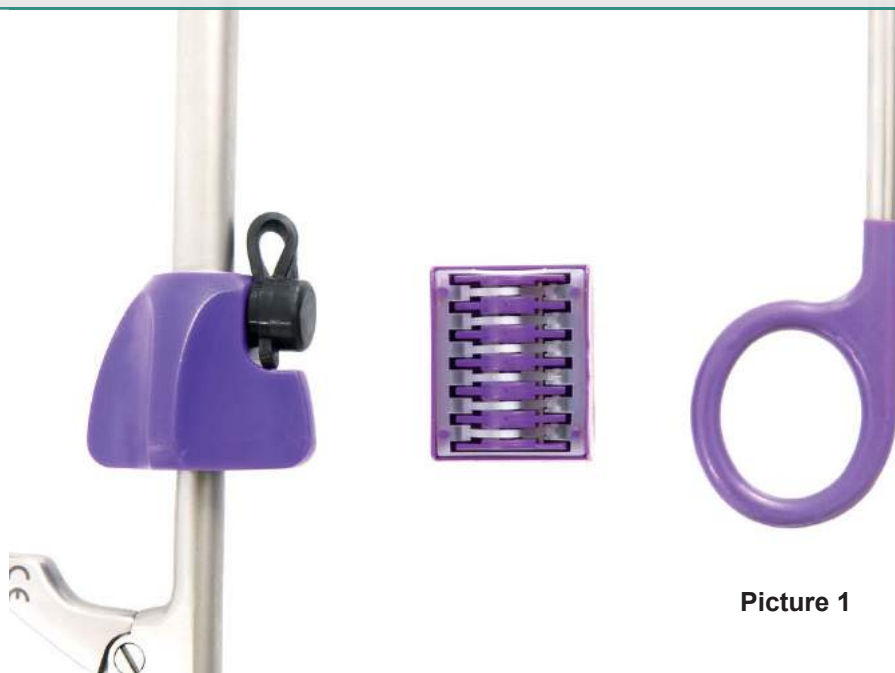
Click'aV® Clip Removers - Endo Detachable		
REF	Clip Size	Type
0301-R804MLLEI	M&ML	Click'aV® Clip Remover Endo Detachable - Insert for sizes M and ML
0301-R804MLLEIB	L&XL	Click'aV® Clip Remover Endo Detachable - Insert for sizes M and ML Bariatric
0301-R804LXLEI	M&ML	Click'aV® Clip Remover Endo Detachable - Insert for sizes L and XL
0301-R804LXLEIB	L&XL	Click'aV® Clip Remover Endo Detachable - Insert for sizes L and XL Bariatric

Click'aV® Appliers - Open Surgery		
REF	Clip Size	Type
0301-04M20	M	Click'aV® Applier Open Surgery, 20cm
0301-04M27	M	Click'aV® Applier Open Surgery, 27cm
0301-04M27A70	M	Click'aV® Applier Open Surgery, 27cm, 70 degrees Angled
0301-04ML20	ML	Click'aV® Applier Open Surgery, 20cm
0301-04ML27	ML	Click'aV® Applier Open Surgery, 27cm
0301-04ML27A70	ML	Click'aV® Applier Open Surgery, 27cm, 70 degrees Angled
0301-04L20	L	Click'aV® Applier Open Surgery, 20cm
0301-04L27	L	Click'aV® Applier Open Surgery, 27cm
0301-04L27A70	L	Click'aV® Applier Open Surgery, 27cm, 70 degrees Angled
0301-04XL20	XL	Click'aV® Applier Open Surgery, 20cm
0301-04XL27	XL	Click'aV® Applier Open Surgery, 27cm
0301-04XL27A70	XL	Click'aV® Applier Open Surgery, 27cm, 70 degrees Angled

Click'aV® Clip Removers - Open Surgery		
REF	Clip Size	Type
0301-R804MMLL	M&ML&L	Click'aV® Clip Remover Open Surgery for sizes M, ML and L
0301-R804XL	XL	Click'aV® Clip Remover Open Surgery for size XL



Loading Instructions

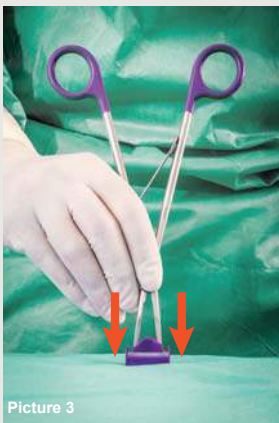


Picture 1

Open Surgery Clip Appliers



Picture 2



Picture 3

Endoscopic Clip Appliers



Picture 2a



Picture 3a

Loading Instructions

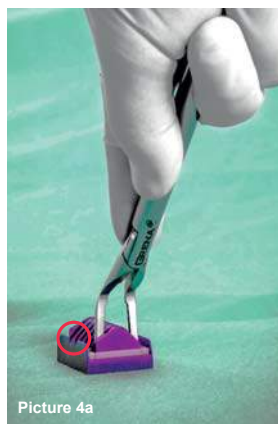
1. Pay attention to colour-coding. Choose the proper applicator corresponding in colour with the clips cartridge. The colour indicates the clip size (Picture 1).
2. Use the proper grip of the clip applicator. Applicator jaws should be positioned perpendicularly to the cartridge body (Picture 2, 2a).
3. Note that the applicator jaws must enter the cartridge simultaneously (Picture 3, 3a).
4. Properly position the triangular marker situated on the side of the cartridge to ensure good visibility of the clip during application (Picture 4, 4a, 4b).
5. Verify that the clip loading/seating is correct (Picture 4c).

Notice

Do not use force while loading the clip
 Listen for the simultaneous click, which confirms the loading of the clip into the clip applicator jaws.



Picture 4



Picture 4a



Picture 4b



Picture 4c

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