



**WECK® LIGATION SOLUTIONS**

Metal and polymer products to help you ligate with security and confidence.

# WECK® LIGATION SOLUTIONS

Metal and polymer products to help you ligate with security and confidence.

From humble beginnings in Edward Weck's Manhattan storefront in 1884, Weck branded products have been there for surgeons — step-by-step — since the earliest days of modern surgery.

In 1963, Weck redefined the closure market with the introduction of the Hemoclip® Traditional Metal Ligating Clip. Over the last fifty years, the Weck Brand has continued to refine the science of closure to produce a line of metal and polymer ligation solutions demanded by surgeons around the world.

Whether you prefer the classic feel of metal clips, or the modern flexibility of polymer, Teleflex® offers ligation products designed to suit your distinct preferences and procedural needs:

- **Hem-o-lok® Polymer Locking Ligation System** - provides cool ligation, lasting security, and the ability to place and remove clips as needed. Hem-o-lok Clips are ideal for both open and laparoscopic cases.
- **Horizon™ and Hemoclip Metal Ligation Systems** satisfy your need for traditional metal ligating clips for use in cardiovascular and general surgical applications. Available in a range of sizes, surgeons have relied on Weck Metal Clips for generations.



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# WECK® HEM-O-LOK® POLYMER LOCKING LIGATION SYSTEM

Secure-locking polymer technology

### CONFIDENCE YOU CAN FEEL

Confidence. That's what the Weck Hem-o-lok Polymer Locking Ligation System provides. Confidence created by a ligation system designed for clip security — secure in the applier, locked onto the patient vessel.

### SECURITY BY DESIGN

The Hem-o-lok Closure System's unique design and flexible hinge keep the clip firmly seated in applier jaws. The clip's distinct tactile feedback confirms jaw seating and secure vessel placement.

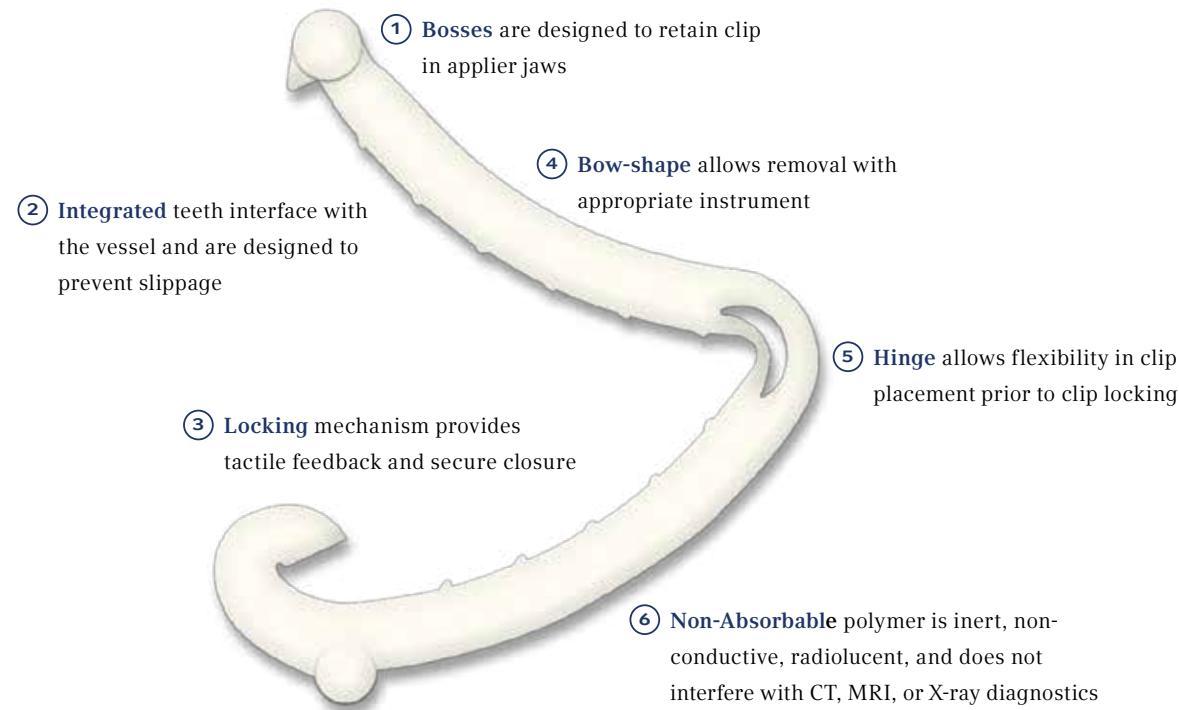
### COOL LIGATION

Since Hem-o-lok is a cool ligation system, there's no chance of thermal spread to vital structures, a common concern of many surgeons when using energy-based ligation solutions.

### SIZE RANGES TO MEET YOUR NEEDS

The Hem-o-lok System is available in a range of clip sizes Medium, Medium-Large, Large and Extra-Large. The Hem-o-lok System allows for ligation of 10 mm vessels through a 5 mm port or 16 mm vessels through a 10 mm port. Our broad range of applier lengths (including 45 cm endoscopic appliers for extended reach) allows surgeons to deliver clips with control and confidence.

### HEM-O-LOK BEHIND THE CLIP



### MANUAL LOAD APPLIERS

#### HEM-O-LOK OPEN APPLIERS

- Open appliers available in Medium, Medium-Large, Large, Extra-Large
- Available in 8" and 11" lengths and curved or right-angle jaws
- Opens at box lock for easy, thorough cleaning



544180



544179



544240

#### HEM-O-LOK ENDOSCOPIC APPLIERS

- Endo appliers available in Medium-Large, Large, Extra-Large
- Medium-Large applier available on a 5 mm platform
- Available with 32 cm or extended-length 45 cm shafts
- One-piece and take-apart designs



544995T



544965

### AUTOMATIC APPLIER

#### AUTO ENDO5®

- 5 mm automatic closure system with 15 Medium-Large clips
- Medium-Large clip designed for 3-10 mm size vessels
- Clip designed for security – locks on to patient vessel



543965

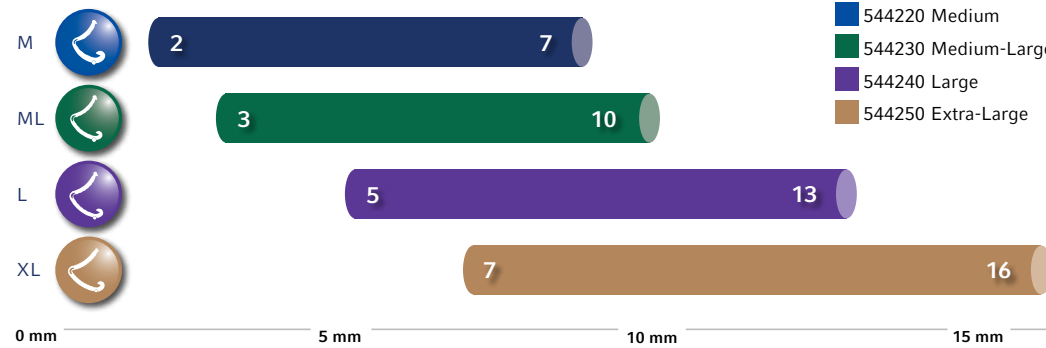
*Hem-o-lok Ligating Clips are not intended for use as a fallopian contraceptive tubal occlusion device. Hem-o-lok Ligating Clips are contraindicated for use in ligating the renal artery during laparoscopic donor nephrectomies.*



# WECK® HEM-O-LOK® POLYMER LOCKING LIGATION SYSTEM

Secure-locking polymer technology

## VESSEL/TISSUE BUNDLE SIZE RANGE



## HEM-O-LOK POLYMER LIGATING CLIPS

- 544220 Medium
- 544230 Medium-Large
- 544240 Large
- 544250 Extra-Large



## ORDERING INFORMATION

### WECK HEM-O-LOK POLYMER LOCKING LIGATION SYSTEM

CLIPS	OPEN MANUAL LOAD APPLIERS/REMOVERS	ENDOSCOPIC MANUAL LOAD APPLIERS/REMOVERS	AUTOMATIC APPLIERS
M <b>544220</b> Hem-o-lok Medium Polymer Clips 6 clips/cartridge 14 cartridges per box, sterile	544113 8" Curved 544114 11" Right-Angle (70°) 544115 11" Curved 544123 11" Remover (for M, ML, L)		
ML <b>544230</b> Hem-o-lok Medium-Large Polymer Clips 6 clips/cartridge 14 cartridges per box, sterile	544170 8" Curved 544171 11" Curved 544172 11" Right-Angle (70°) 544123 11" Remover (for M, ML, L)	<b>Endo5® ML, 5 mm diameter</b> 544965 32.5 cm applier 544965L 45 cm applier 544965T 34 cm applier, take-apart 544121 32 cm remover (for ML and L) 544121L 45 cm remover (for ML and L) 544121T 32 cm remover, take-apart (for ML and L)	<b>543965 Auto Endo5®</b> 15 clips per applier, 3 applicators per box, sterile, disposable for endo surgery
L <b>544240</b> Hem-o-lok Large Polymer Clips 6 clips/cartridge 14 cartridges per box, sterile	544179 11" Right-Angle (70°) 544180 8" Curved 544181 11" Curved 544182 10" Right-Angle (70°), narrow shaft 544123 11" Remover (for M, ML, L) 544124 11" Remover (for L, XL)	<b>Endo10™ L</b> 544995 32 cm applier, 10 mm 544995L 45 cm applier, 10 mm 544995T 34 cm applier, 10 mm, take-apart 544121 32 cm remover, 5 mm (for ML and L) 544121L 45 cm remover, 5 mm (for ML and L) 544121T 32 cm remover, 5 mm, take-apart (for ML and L) 544130 32 cm remover, 10 mm (for L and XL) 544130L 45 cm remover, 10 mm (for L and XL) 544130T 33 cm remover, 10 mm take-apart (for L and XL)	
XL <b>544250</b> Hem-o-lok Extra-Large Polymer Clips 6 clips/cartridge 14 cartridges per box, sterile	544191 11" Curved 544192 11" Right-Angle (70°) 544124 11" Remover (for L, XL)	<b>Endo10™ XL, 10 mm diameter</b> 544990 32 cm applier 544990L 45 cm applier 544990T 34 cm applier, take-apart 544130 32 cm remover (for L and XL) 544130L 45 cm remover (for L and XL) 544130T 33 cm remover, take-apart (for L and XL)	
<b>STERILITY STORAGE TRAY</b>		544500 capacity: 3 endoscopic 32 cm applicators P37319 capacity: 2-3 endoscopic 45 cm applicators	



# WECK® HORIZON™ METAL LIGATION SYSTEM

Precise easy-loading titanium clips

The Horizon System is the Weck Premium Titanium Ligation Platform providing surgeons a strong, secure clip coupled with an efficient, convenient easy-load cartridge system.

### THE HORIZON CLIP

The preformed chevron shape of the Horizon Clip engulfs tissue with precise tip-to-tip closure. Heart-shaped wire is designed to give each clip a firm grip on vessels, while the triangulated cross-section of the clip leg maximizes surface-to-surface contact between clip and jaw, practically eliminating clip fallout.

### THE HORIZON CARTRIDGE

The design of the Horizon Cartridge creates a frictionless one-hand load. Horizon Cartridges are color-coded to match applicators and adhesive backing allows convenient placement of the cartridge to any sterile area.

*Clip images represent approximate, not exact, sizes.*



MICROCLIP™



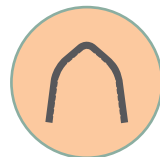
SMALL



MEDIUM



MEDIUM-LARGE



LARGE



FOR MORE INFORMATION VISIT [WWW.WECKLIGATION.COM](http://WWW.WECKLIGATION.COM)

### OPEN APPLIERS

- Available with curved (20°), angled (55°) or right-angled (70°) jaws
- Opens at box-lock for easy, thorough cleaning
- Available in a wide range of applicator lengths including 14"



### ENDOSCOPIC APPLIERS

- Medium, Medium-Large, and Large
- Extended length available (45 cm shaft)
- Large, lightweight rotation knob allows one-finger, 360° rotation of applicator shaft
- Flush ports for thorough cleaning



### CLIP OPTIONS

- The Horizon Clip Cartridge provides incredibly easy and precise loading that can enhance surgical procedure efficiency
- Both 6- and 24-clip cartridges are available



002200



002204

### SPECIALTY APPLIER

- The Horizon 11" Multi-Angle Access Open Surgical Applier for small (wide slot) clip cartridges incorporates a 45° angled jaw (or curved jaw) for an optimal angle of access to the surgical target
- The Horizon Endosaphenous Vein Applier incorporates a 5 mm shaft diameter with a 7 mm angled jaw for ligation of vein branches



137117



238200

*WECK Ligating Clips are not intended for use as a contraceptive tubal occlusion device.  
WECK Ligating Clips are contraindicated for use in ligating the renal artery during laparoscopic donor nephrectomies.*

# WECK® HORIZON™ METAL LIGATION SYSTEM

Precise easy-loading titanium clips

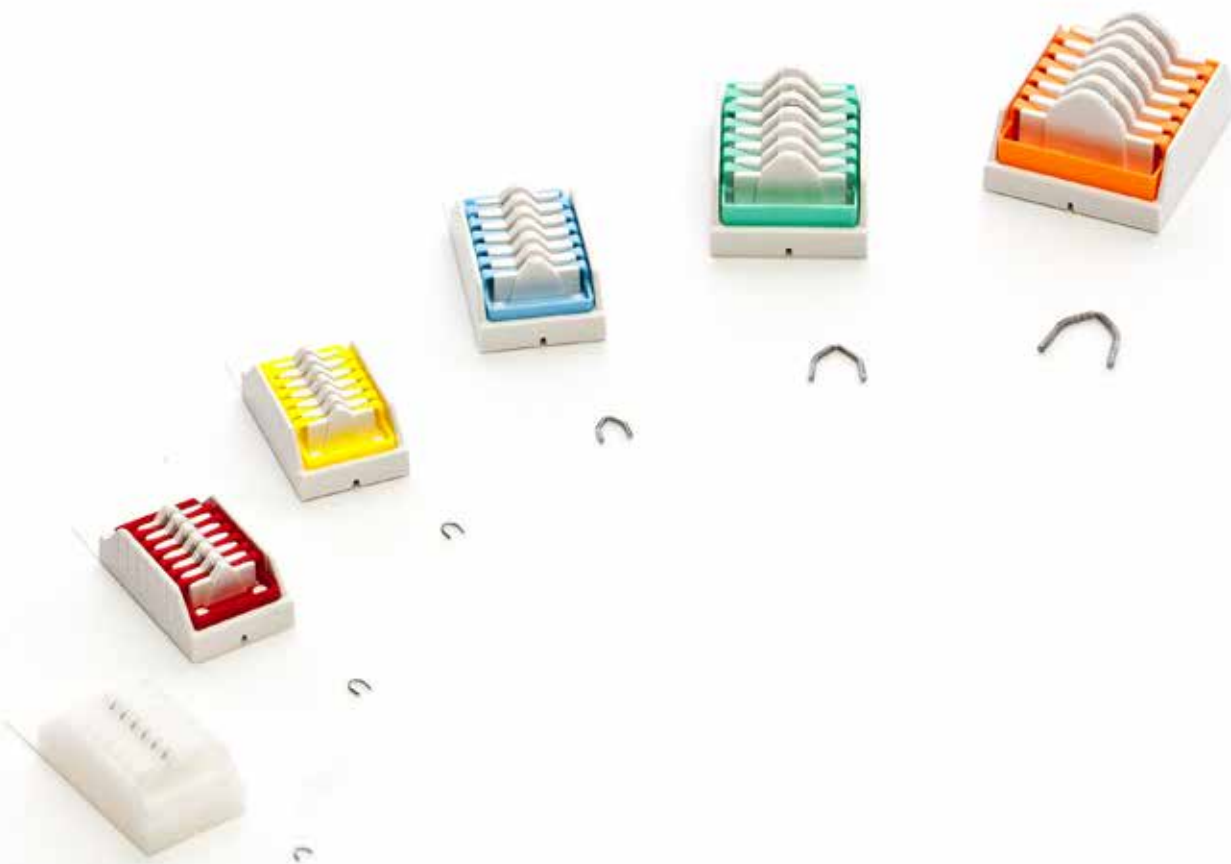
## ORDERING INFORMATION

### WECK HORIZON METAL LIGATION SYSTEM

□ Micro ■ Small ■ Small/Wide ■ Medium ■ Medium/Large ■ Large

#### TITANIUM LIGATING CLIPS

PRODUCT NUMBER	CLIP SIZE	CLIPS/CARTRIDGE	CARTRIDGES/BOX	CLIPS/BOX
005200	MicroClip™	6	30	180
001200	Small	6	30	180
001204	Small	24	25	600
001201	Small-Wide	6	30	180
001205	Small-Wide	24	25	600
002200	Medium	6	30	180
002204	Medium	24	25	600
003200	Medium-Large	6	20	120
003204	Medium-Large	24	15	360
004200	Large	6	20	120
004204	Large	24	15	360



FOR MORE INFORMATION VISIT [WWW.WECKLIGATION.COM](http://WWW.WECKLIGATION.COM)

### WECK HORIZON METAL LIGATION SYSTEM

□ Micro ■ Small ■ Small/Wide ■ Medium ■ Medium/Large ■ Large

#### OPEN SURGICAL APPLIERS

PRODUCT #	APPLIER LENGTH	CLIP SIZE	JAW TYPE*
537061	6" (15 cm)	MicroClip	Curved
537081	8" (20 cm)	MicroClip	Curved
137061	6" (15 cm)	Small	Curved
137081	8" (20 cm)	Small	Curved
137085	8" (20 cm)	Small	Angled
137111	11" (28 cm)	Small	Curved
137062	6" (15 cm)	Small-Wide	Curved
137082	8" (20 cm)	Small-Wide	Curved
137086	8" (20 cm)	Small-Wide	Angled
137112	11" (28 cm)	Small-Wide	Curved
237061	6" (15 cm)	Medium	Curved
237081	8" (20 cm)	Medium	Curved
237085	8" (20 cm)	Medium	Angled
237111	11" (28 cm)	Medium	Curved
237115	11" (28 cm)	Medium	Angled
237117	11" (28 cm)	Medium	Right-Angled
237141	14" (35.5 cm)	Medium	Curved
237145	14" (35.5 cm)	Medium	Angled
337081	8" (20 cm)	Medium-Large	Curved
337085	8" (20 cm)	Medium-Large	Angled
337111	11" (28 cm)	Medium-Large	Curved
337115	11" (28 cm)	Medium-Large	Angled
337117	11" (28 cm)	Medium-Large	Right-Angled
337141	14" (35.5 cm)	Medium-Large	Curved
337145	14" (35.5 cm)	Medium-Large	Angled
437081	8" (20 cm)	Large	Curved
437085	8" (20 cm)	Large	Angled
437111	11" (28 cm)	Large	Curved
437115	11" (28 cm)	Large	Angled
437117	11" (28 cm)	Large	Right-Angled
437141	14" (35.5 cm)	Large	Curved
437145	14" (35.5 cm)	Large	Angled

#### ENDOSCOPIC LIGATING APPLIERS

PRODUCT #	APPLIER LENGTH	DIAMETER	CLIP SIZE	JAW TYPE
238110	12" (31 cm)	10 mm	Medium	Endoscopic
238170	18" (45 cm)	10 mm	Medium	Endoscopic
238200	13" (32 cm)	5 mm Shaft, 7 mm Jaw	Medium	Endosaphenous
338110	13" (32 cm)	10 mm	Medium-Large	Endoscopic
338170	18" (45 cm)	10 mm	Medium-Large	Endoscopic
438110	14" (36 cm)	12 mm	Large	Endoscopic
438170	18" (45 cm)	12 mm	Large	Endoscopic

#### ENDOSCOPIC LIGATING APPLIERS – TAKE-APART

PRODUCT #	APPLIER LENGTH	DIAMETER	CLIP SIZE	JAW TYPE
238110T	11" (28 cm)	10 mm	Medium	Endoscopic
338110T	11" (28 cm)	10 mm	Medium-Large	Endoscopic

#### SPECIALTY OPEN SURGICAL LIGATING APPLIERS

PRODUCT #	APPLIER LENGTH	CLIP SIZE	JAW TYPE
137117	11" (28 cm)	Small-Wide	45° Angled
137118	11" (28 cm)	Small-Wide	Curved

#### METAL CLIP REMOVERS (REMOVES ALL WECK METAL CLIPS)

PRODUCT #	APPLIER LENGTH	STYLE
523120	6.5" (16.5 cm)	Straight
523121	10.5" (26.7 cm)	Bent Shaft, 30° Angle

WECK Ligating Clips are not intended for use as a contraceptive tubal occlusion device.

WECK Ligating Clips are contraindicated for use in ligating the renal artery during laparoscopic donor nephrectomies.

\*Curved 20°, Angled 55°, Right-Angle 70°



## WECK® HEMOCLIP® METAL LIGATION SYSTEMS

Classic metal clip ligation relied on by surgeons for years

### HEMOCLIP TRADITIONAL

The Hemoclip Traditional Metal Ligating Clips:

- Friction fit loading system
- Available in titanium, tantalum and stainless steel – the widest metal selection in the industry
- Cartridge base to assist loading

### HEMOCLIP PLUS

The Hemoclip Plus System is an evolution of the classic metal Hemoclip. Hemoclip Plus Metal Ligating Clips:

- Features an easy-load cartridge system
- Clip loads from the cartridge with minimal pressure
- Available with adhesive or non-adhesive clip cartridges

### CLIP OPTIONS

- Chevron shaped clip for precise tip to tip closure
- Heart shaped wire for tenacious grip on vessels
- Lateral transverse grooves for increased vessel contact



523130

### OPEN APPLIERS

- Available in a variety of lengths and tip angles
- Opens at box lock for easy cleaning



• Curved tip



• Right angle tip





# WECK® HEMOCLIP® METAL LIGATION SYSTEMS

Easy-load evolution of the classic metal clip

# WECK® HEMOCLIP® PLUS METAL LIGATION SYSTEMS

Easy-load evolution of the classic metal clip

## ORDERING INFORMATION

### WECK HEMOCLIP TRADITIONAL CLIPS AND APPLIERS

■ Small ■ Medium ■ Medium/Large ■ Large

#### HEMOCLIP TRADITIONAL-TITANIUM LIGATING CLIPS

PRODUCT #	CLIP SIZE	CLIPS/ CARTRIDGE	CARTRIDGES/ BOX	CLIPS/BOX
523735	Small	25	12	300
523835	Small	10	24	240
523700	Medium	25	10	250
523800	Medium	10	20	200
523760	Medium/Large	10	20	200
523860	Medium/Large	10	16	160
523770	Large	15	10	150
523870	Large	10	12	120

#### HEMOCLIP TRADITIONAL-TANTALUM LIGATING CLIPS

PRODUCT #	CLIP SIZE	CLIPS/ CARTRIDGE	CARTRIDGES/ BOX	CLIPS/BOX
523135	Small	25	12	300
523335	Small	10	24	240
523100	Medium	25	10	250
523300	Medium	10	20	200
523160	Medium/Large	10	20	200
523360	Medium/Large	10	16	160
523170	Large	15	10	150
523370	Large	10	12	120

#### HEMOCLIP TRADITIONAL-STAINLESS STEEL LIGATING CLIPS

PRODUCT #	CLIP SIZE	CLIPS/ CARTRIDGE	CARTRIDGES/ BOX	CLIPS/BOX
523435	Small	25	12	300
523635	Small	10	24	240
523400	Medium	25	10	250
523600	Medium	10	20	200
523460	Medium/Large	10	20	200
523660	Medium/Large	10	16	160
523470	Large	15	10	150
523670	Large	10	12	120

#### HEMOCLIP TRADITIONAL LIGATING CLIP APPLIERS

PRODUCT #	CLIP SIZE	APPLIER LENGTH	JAW TYPE
523140	Small	6" (15 cm)	Curved
523150	Small	8" (20 cm)	Curved
523151	Small	11" (28 cm)	Curved
523105	Medium	8" (20 cm)	Right Angled
523106	Medium	11" (28 cm)	Right Angled
523109	Medium	6" (15 cm)	Curved
523110	Medium	8" (20 cm)	Curved
523111	Medium	11" (28 cm)	Curved
523165	Medium/Large	8" (20 cm)	Curved
523166	Medium/Large	11" (28 cm)	Curved
523167	Medium/Large	8" (20 cm)	Right Angled
523168	Medium/Large	11" (28 cm)	Right Angled
523175	Large	8" (20 cm)	Curved
523177	Large	8" (20 cm)	Right Angled
523178	Large	11" (28 cm)	Right Angled
523180	Large	11" (28 cm)	Curved

#### HEMOCLIP TRADITIONAL LIGATING CLIP PRECISION APPLIERS

PRODUCT #	CLIP SIZE	APPLIER LENGTH	JAW TYPE
523540	Small	6" (15 cm)	Curved
523550	Small	8" (20 cm)	Curved
523551	Small	11" (28 cm)	Curved

#### HEMOCLIP LIGATING CLIP ACCESSORIES

PRODUCT #	CLIP SIZE	APPLIER LENGTH	JAW TYPE
523120	Removing Forceps	6" (15 cm)	Straight
523121	Removing Forceps	10" (25.4 cm)	Angled Shanks
523130	Cartridge Base	7" (17.78 cm)	

FOR MORE INFORMATION VISIT [WWW.WECKLIGATION.COM](http://WWW.WECKLIGATION.COM)

### WECK HEMOCLIP PLUS CLIPS AND APPLIERS

■ Small ■ Small/Strongpoint ■ Medium ■ Medium/Large ■ Large

#### HEMOCLIP PLUS TITANIUM LIGATING CLIPS

PRODUCT #	CLIP SIZE	CLIPS/ CARTRIDGE	CARTRIDGES/ BOX	CLIPS/BOX
533735	Small w/tape	25	12	300
533737	Small	25	12	300
533835	Small w/tape	10	18	180
533837	Small	10	18	180
534735	Small Strongpoint w/tape	25	12	300
534737	Small Strongpoint	25	12	300
534835	Small Strongpoint w/tape	10	18	180
534837	Small Strongpoint	10	18	180
533700	Medium w/tape	25	10	250
533702	Medium	25	10	250
533800	Medium w/tape	10	18	180
533802	Medium	10	18	180
533860	Medium-Large w/tape	10	12	120
533862	Medium-Large	10	12	120
533870	Large w/tape	10	12	120
533872	Large	10	12	120

#### HEMOCLIP PLUS LIGATING CLIP APPLIERS

PRODUCT #	CLIP SIZE	APPLIER LENGTH	JAW TYPE
533140	Small	6" (15 cm)	Curved
533150	Small	8" (20 cm)	Curved
533151	Small	11" (28 cm)	Curved
533152	Small	8" (20 cm)	Right Angled
534140	Small Strongpoint	6" (15 cm)	Curved
534150	Small Strongpoint	8" (20 cm)	Curved
533105	Medium	8" (20 cm)	Right Angled
533106	Medium	11" (28 cm)	Right Angled
533108	Medium	11" (28 cm)	Angled
533109	Medium	6" (15 cm)	Curved
533110	Medium	8" (20 cm)	Curved
533111	Medium	11" (28 cm)	Curved
533164	Medium-Large	11" (28 cm)	Angled
533165	Medium-Large	8" (20 cm)	Curved
533166	Medium-Large	11" (28 cm)	Curved
533167	Medium-Large	8" (20 cm)	Right Angled
533168	Medium-Large	11" (28 cm)	Right Angled
114527	Medium-Large	13" (32 cm)	Endoscopic
533175	Large	8" (20 cm)	Curved
533177	Large	8" (20 cm)	Right Angled
533178	Large	11" (28 cm)	Right Angled
533180	Large	11" (28 cm)	Curved
533181	Large	11" (28 cm)	Angled

#### HEMOCLIP LIGATING CLIP ACCESSORIES

PRODUCT #	CLIP SIZE	APPLIER LENGTH	JAW TYPE
523120	Removing Forceps	6" (15 cm)	Straight
523121	Removing Forceps	10" (25.4 cm)	Angled Shanks
523130	Cartridge Base	7" (17.78 cm)	

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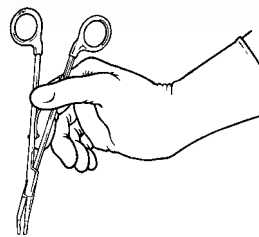
## WECK® CLIP LOADING METHODS

### Manual applier techniques

### RING-HANDLED APPLIER GUIDELINES

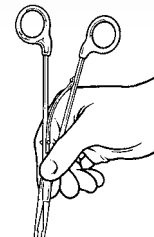
To prevent jaw applier damage or dropped clips, the user should avoid any grasp that can compress the two shanks of the applier during loading. Applier is held at an angle appropriate to sliding the jaws into the cartridge.

#### PREFERRED LOADING METHODS



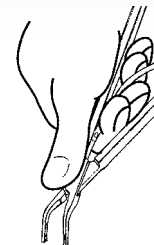
**METHOD #1**  
**SHANK AND SPRING**

One shank and the spring are held between the thumb and index finger, which is placed between shafts to spread jaws and stabilize loading.



**METHOD #2**  
**PENCIL GRIP**

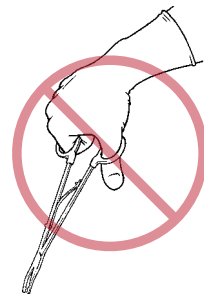
Box-lock is held between the thumb and side of index finger, with tips of index finger and other fingers supporting box-lock area for stability. The index finger is behind the box-lock, not beside it.



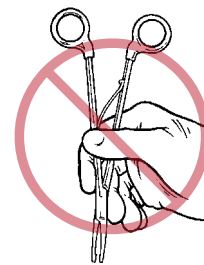
**METHOD #3**  
**ANGLED APPLIERS**

Thumb should be placed on top of the box-lock while other fingers support one side of the shaft.

#### WHAT TO AVOID



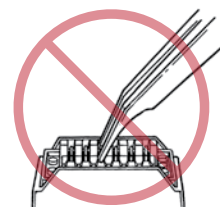
Grasping the applier at both rings tends to force applier tips together and "fights" the loading action. This may cause the applier to twist or rock, allowing jaw damage or misloaded clips.



Holding both shanks of applier, even near the box-lock, may also tend to force jaws together during loading. Keep the index finger behind the box-lock or shank.

### RING HANDLE AND ENDOSCOPIC APPLIER CLIP LOADING

#### PROPER JAW ANGLE



Applier jaws need to be positioned perpendicular to the cartridge body for slide-in of the jaw into the cartridge seat. It is necessary to set the shanks of the applier (the main body of the applier) at an acute angle to the cartridge.

## WECK® WARRANTY AND REPAIR

### WARRANTY/REPAIR

REMOVE all appliers in need of repair or refurbishment and send to:

Teleflex® Applier Repairs  
4620-A Industry Lane  
Durham, NC 27713

For applier repairs outside the U.S., contact your local distributor.

#### Open Surgical Appliers

All Weck Ring Handled Reusable Open-Surgical Appliers are covered by a warranty. Teleflex will repair, or replace, free of charge, these appliers as long as the appliers are used as intended for application of Weck Clips and have not been repaired by unauthorized personnel.

#### Endoscopic Surgical Appliers

Weck Manual Load Endoscopic Appliers are covered by a three year warranty on defects in materials and workmanship and a three year repair service on tip alignment and refurbishment as long as the appliers are used as intended for application of Weck Clips and have not been repaired by unauthorized personnel.

Teleflex | Toll Free: 866.246.6990 | [www.teleflex.com](http://www.teleflex.com)



## CARE AND MAINTENANCE OF Weck® Open and Endoscopic Clip Appliers

### CLEANING

Follow hospital, Association of the Advancement of Medical Instrumentation (AAMI), Association of Perioperative Registered Nurses (AORN), or regional standards for cleaning your appliers.

#### OPEN APPLIERS

Opening the box lock:

- Lightly squeeze shanks together with one hand
- Lift the spring off the flag
- Open the applicator



#### ENDOSCOPIC APPLIERS — ONE PIECE

Endoscopic appliers are provided with a cleaning port, which permits access to the interior channels and cavities. Uncap the cleaning port and flush the applicator with warm distilled or filtered water for approximately two minutes or until the visible gross debris is removed from the device.



### LUBRICATION

Lubrication is essential every time instruments are processed. Do not use mineral oil, petroleum, or silicone-based products. Use a non-silicone water-soluble lubricant prior to sterilization, such as Weck Lube (Catalog # 850150).

### STERILIZATION

STERILIZATION METHOD	INSTRUMENT CONFIGURATION	TEMPERATURE	EXPOSURE TIME (MINIMUM)	DRYING TIME (MINIMUM)
USA PARAMETERS				
Pre-vacuum	Wrapped	270°F (132° C)	4 minutes	10 minutes
Pre-vacuum	Wrapped	275°F (135° C)	3 minutes	10 minutes
Gravity Displacement	Wrapped	275°F (135° C)	10 minutes	10 minutes
NON-USA PARAMETERS				
Pre-vacuum	Wrapped	273°F (134° C)	3 minutes	10 minutes
Pre-vacuum	Wrapped	279°F (137° C)	3 minutes	10 minutes
Gravity Displacement	Wrapped	270°F (132° C)	10 minutes	10 minutes

### INSPECTION

Please examine endoscopic and open appliers for potential damage before use in surgery. Pay particular attention to the jaws. Damaged or misaligned jaws may not allow clips to close acceptably for occlusion of intended structure.

#### OPEN AND ENDOSCOPIC APPLIERS

##### Alignment:

Always check the alignment of the applicator jaws before use. When closed, jaw tips should be directly aligned and not offset.



#### OPEN APPLIERS

Check the following components of your open clip appliers:

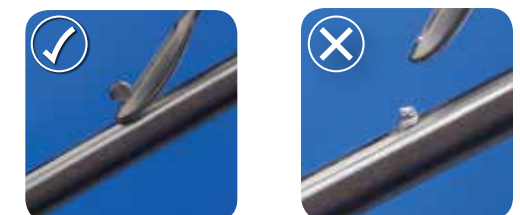
##### Spring:

Examine to ensure spring is not loose, bent, or rusted.



##### Flag Condition:

Examine to ensure flag is not missing or damaged.



HORIZON™  
HEMOCLIP®  
HEM-O-LOK®



## APPLIER MANAGEMENT

Two convenient options to manage your open appliers

An essential part of accurate ligation is a finely crafted applier, designed specifically for Weck® Clips and maintained to the highest standards. We are proud to provide, service, maintain and replace these appliers for you — ensuring that each clip is applied by a device designed specifically for that clip.

### TWO WAYS TO OBTAIN HORIZON™, HEM-O-LOK®, HEMOCLIP® PLUS AND TRADITIONAL APPLIERS:

#### Option 1 — Applier Purchase

All Weck Appliers are available for purchase. Purchased open appliers will be maintained, repaired or replaced for as long as you own them, at no charge, through Teleflex® as long as the appliers are used as intended for application of Weck Clips and have not been repaired by unauthorized personnel. Contact your local Surgical Sales Representative for more details.

#### Option 2 — Applier Loaner Program

Hospitals purchasing Weck clips can take advantage of the Teleflex Applier Loaner Program. Weck Open Clip Appliers are loaned to the hospital for use with Weck Clips. Teleflex will maintain, repair or replace all appliers needed to be sufficient for the volume of Weck Clips being used. These appliers will be provided to the hospital at no charge for exclusive use with Weck Clips. If the hospital discontinues its use of Weck Clips, then the appliers are to be returned to Teleflex (Signed Loaner Agreement required).



## PRODUCT USE INFORMATION

Weck Metal and Polymer Clips are intended for use in procedures involving ligation of vessels or tissue structures. Surgeons should apply the appropriate size clip for the size of the vessel or tissue structure to be ligated.

Weck Ligating Clips are contraindicated for use in ligating the renal artery during laparoscopic donor nephrectomy. In procedures other than laparoscopic donor nephrectomy, Teleflex recommends ligation of the renal artery with more than one clip on the patient side with a minimum distal renal artery cuff of 2–3 mm beyond the distal clip. Application of a second clip on all other vessels other than the renal artery should be dictated by the surgeon's judgment. Security of the closure should be confirmed after ligation.

Always check the alignment of the applier jaws before use. When closed, jaw tips should be directly aligned and not offset. Alignment of the jaw is critical for safe application of the clip. If this is not done, patient injury may occur. Follow the Instructions for Use for proper maintenance, care and cleaning necessary to ensure proper functionality.

Do not attempt to close the jaws on a vessel or anatomic structure without a clip properly loaded into the jaws. Closure of empty jaws on a vessel or anatomic structure may result in patient injury. Before applying a clip, verify the structural size and condition of the vessel or structure and use the proper size clip. Ligating clip systems differ in closure characteristics according to clip design and other variables. It is the responsibility of the user to select structures for the application of clips and confirm secure grip of the clips after placement, and after the use of other surgical devices in the immediate area of the application.

Your Weck Applier has been designed and calibrated for use with specific Hem-o-lok, Horizon, Hemoclip Plus or Hemoclip Traditional Ligating Clips as indicated. If applicable, applier color coding matches the color of the ligating clip cartridge for which it is to be used. Weck does not assume responsibility for unsatisfactory results caused by the use of any equipment or clips not specifically identified by Weck as an integral part of that specific system.

For clip and associated applier information, please refer to the Instructions for Use included with the applier.

Teleflex, Endo5, Endo10, Hemoclip, Hem-o-lok, Horizon, MicroClip and Weck are trademarks or registered trademarks of Teleflex Incorporated or its affiliates.

Teleflex is a global provider of medical products designed to enable healthcare providers to protect against infections and improve patient and provider safety. The company specializes in products and services for vascular access, respiratory, general and regional anesthesia, cardiac care, urology and surgery. Teleflex also provides specialty products for device manufacturers.

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