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.
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.

Manual Load Appliers

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.

For more information visit www.weckligation.com

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Hem-o-lok 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

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 appliers 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

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 applier 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 applier 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

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

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.

FOR MORE INFORMATION VISIT WWW.WECKLIGATION.COM
### WECK HORIZON™ METAL LIGATION SYSTEM

**Precise easy-loading titanium clips**

#### ORDERING INFORMATION

**WECK HORIZON METAL LIGATION SYSTEM**

**Product #** | **Applicator Length** | **Clip Size** | **Jaw Type**
--- | --- | --- | ---
537061 | 6" (15 cm) | MicroClip™ | Curved
537081 | 8" (20 cm) | MicroClip™ | Curved
537062 | 6" (15 cm) | Small-Wide | Curved
537082 | 8" (20 cm) | Small-Wide | Curved
537063 | 6" (15 cm) | Medium-Wide | Curved
537083 | 8" (20 cm) | Medium-Wide | Curved
537064 | 6" (15 cm) | Large | Curved
537084 | 8" (20 cm) | Large | Curved
537065 | 6" (15 cm) | Medium-Large | Curved
537085 | 8" (20 cm) | Medium-Large | 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
237141 | 14" (35.5 cm) | Medium | Curved
237145 | 14" (35.5 cm) | Medium | Angled
337061 | 6" (15 cm) | Medium-Large | Curved
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
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

**TITANIUM LIGATING CLIPS**

**Product Number** | **Clip Size** | **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-Wide | 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

**ENDOSCOPIC LIGATING APPLIERS**

#### OPEN SURGICAL APPLIERS

**Product #** | **Applicator Length** | **Clip Size** | **Jaw Type**
--- | --- | --- | ---
238110 | 11" (28 cm) | 5 mm | Endoscopic
238170 | 16" (40 cm) | 5 mm | Endoscopic
238200 | 13" (33 cm) | 5 mm Shaft, 7 mm Jaw | Endosaphenous

**Product #** | **Applicator Length** | **Diameter** | **Clip Size** | **Jaw Type**
--- | --- | --- | --- | ---
238110T | 11" (28 cm) | Medium | 10 mm | Endoscopic
238170T | 16" (40 cm) | Medium | 10 mm | Endoscopic
438110T | 13" (33 cm) | Large | 13 mm | Endoscopic
438170T | 16" (40 cm) | Large | 12 mm | Endoscopic

**Product #** | **Applicator Length** | **Style**
--- | --- | ---
537061T | 6" (15 cm) | Curved
537081T | 8" (20 cm) | Curved
537062T | 6" (15 cm) | Curved
537082T | 8" (20 cm) | Curved
537063T | 6" (15 cm) | Curved
537083T | 8" (20 cm) | Curved
537064T | 6" (15 cm) | Curved
537084T | 8" (20 cm) | Curved
537065T | 6" (15 cm) | Curved
537085T | 8" (20 cm) | Curved
337061T | 6" (15 cm) | Curved
337081T | 8" (20 cm) | Curved
337062T | 6" (15 cm) | Curved
337082T | 8" (20 cm) | Curved
337063T | 6" (15 cm) | Curved
337083T | 8" (20 cm) | Curved
337064T | 6" (15 cm) | Curved
337084T | 8" (20 cm) | Curved
337065T | 6" (15 cm) | Curved
337085T | 8" (20 cm) | Curved
437081T | 8" (20 cm) | Curved
437085T | 8" (20 cm) | Curved
437111T | 11" (28 cm) | Curved
437115T | 11" (28 cm) | Curved
437117T | 11" (28 cm) | Curved
437141T | 14" (35.5 cm) | Curved
437145T | 14" (35.5 cm) | Curved

**TITANIUM LIGATING CLIPS**

**Product Number** | **Clip Size** | **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-Wide | 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

**ENDOCLIP® LIGATION SYSTEM**

**TITANIUM LIGATING CLIPS**

**Product Number** | **Clip Size** | **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-Wide | 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

**WEEK® HORIZON™ METAL LIGATION SYSTEM**

**Precise easy-loading titanium clips**

**METAL CLIP REMOVERS**

**Product #** | **Applicator Length** | **Style**
--- | --- | ---
523121 | 10.5" (26.7 cm) | Bent Shaft, 30° Angle

**FOR MORE INFORMATION VISIT WWW.WECKLIGATION.COM**

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

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

For more information visit WWW.WECKLIGATION.COM
HEMOC.clip 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

HEMOC.clip 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

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

FOR MORE INFORMATION VISIT WWW.WECKLIGATION.COM

HEMOClip® METAL LIGATION SYSTEMS
Classic metal clip ligation relied on by surgeons for years
WECK® HEMOClip® METAL LIGATION SYSTEMS
Easy-load evolution of the classic metal clip

ORDERING INFORMATION

WECK HEMOClip TRADITIONAL CLIPS AND APPLIERS

HEMOClip TRADITIONAL-TITANIUM LIGATING CLIPS

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HEMOClip TRADITIONAL-TANTALUM LIGATING CLIPS

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HEMOClip TRADITIONAL LIGATING CLIP PRECISION APPLICATORS

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HEMOClip LIGATING CLIP ACCESSORIES

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HEMOClip PLUS TITANIUM LIGATING CLIPS

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HEMOClip PLUS LIGATING CLIP APPLIERS

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HEMOClip LIGATING CLIP ACCESSORIES

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FOR MORE INFORMATION VISIT WWW.WECKLIGATION.COM

Weck ligation clips are not intended for use as a contraceptive tubal occlusion device.
Weck ligation clips are contraindicated for use in ligating the renal artery during laparoscopic donor nephrectomy.
**RING-HANDED 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**  
**ANGLLED 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-on 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.

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**WECK® CLIP LOADING METHODS**

**Manual applier techniques**

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**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

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FOR MORE INFORMATION VISIT WWW.WECKLIGATION.COM
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 applier

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 applier 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

<table>
<thead>
<tr>
<th>STERILIZATION METHOD</th>
<th>INSTRUMENT CONFIGURATION</th>
<th>TEMPERATURE</th>
<th>EXPOSURE TIME (MINIMUM)</th>
<th>DRYING TIME (MINIMUM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA PARAMETERS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pre-vacuum</td>
<td>Wrapped</td>
<td>270°F (132°C)</td>
<td>4 minutes</td>
<td>10 minutes</td>
</tr>
<tr>
<td>Pre-vacuum</td>
<td>Wrapped</td>
<td>275°F (135°C)</td>
<td>3 minutes</td>
<td>10 minutes</td>
</tr>
<tr>
<td>Gravity Displacement</td>
<td>Wrapped</td>
<td>275°F (135°C)</td>
<td>10 minutes</td>
<td>10 minutes</td>
</tr>
<tr>
<td>non-USA parameters</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pre-vacuum</td>
<td>Wrapped</td>
<td>273°F (134°C)</td>
<td>3 minutes</td>
<td>10 minutes</td>
</tr>
<tr>
<td>Pre-vacuum</td>
<td>Wrapped</td>
<td>279°F (137°C)</td>
<td>3 minutes</td>
<td>10 minutes</td>
</tr>
<tr>
<td>Gravity Displacement</td>
<td>Wrapped</td>
<td>270°F (132°C)</td>
<td>10 minutes</td>
<td>10 minutes</td>
</tr>
</tbody>
</table>
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.

APPLIERS 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

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FOR MORE INFORMATION VISIT WWW.WECKLIGATION.COM
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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