

Cygnnet® Flexible Clamps

Intrack® Insert Sets

Intrack® Clamps

Intrack® XT Clamps

Enclose® II

SLS™ Ligation System

Greyhound® Adjustable Spring Clip

Sofia™ Atraumatic Spring Clips

Novaclip® Atraumatic Spring Clips



VITALITEC

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Cygnets® Flexible Clamps

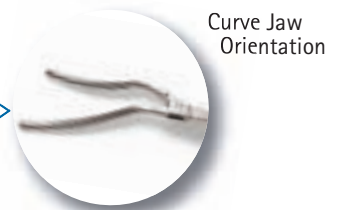
Cygnets® captures the best of both worlds for multi-use and aortic cross clamping. The rigid shaft enables tunneling and accurate clamp placement. Once properly positioned, the rigid shaft retracts leaving a flexible neck, which can be maneuvered to a location remote of the surgical procedure.



V10142 Aortic Cross Clamp, shown with Ultra inserts

Controlled Strength
Comparable in strength to bulkier, aortic clamps, but able to provide greater access, control and flexibility in your procedures.

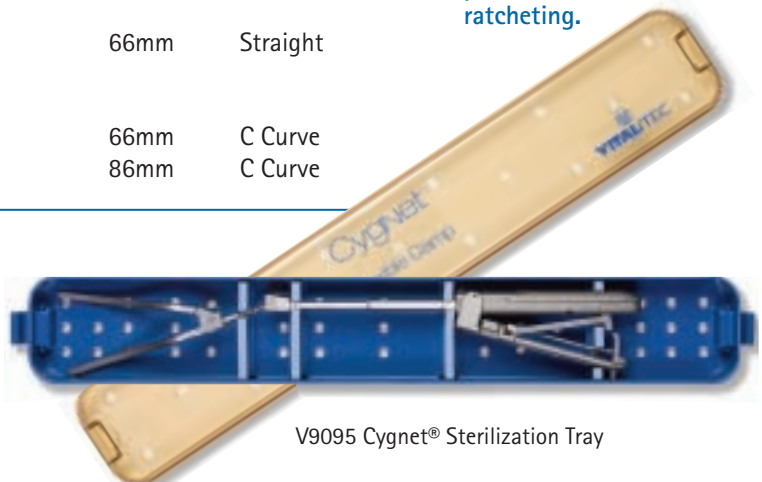
ITEM #	NAME	LENGTH	INSERT LENGTH	JAW ORIENTATION
 V10142	Aortic Cross Clamp	16 1/2"	66mm	Straight
 V10143	Arched Aortic Clamp	17"	66mm	Curve
 V10151	Aortic Cross Clamp	18"	86mm	Straight
 V10152	Arched Aortic Clamp	17 3/4"	86mm	Curve
 V10183	Multi-purpose Clamp	15 1/4"	33mm	Straight
Specials				
 VS00055	Short Jaw		66mm	Straight
 VS00056	Lambert-Kay Jaw		66mm	C Curve
 VS00057	Lambert-Kay Jaw		86mm	C Curve



Curve Jaw Orientation

Ergonomic Advantage
An ergonomically designed handle gives you quick release capabilities and precision instrument ratcheting.

Convenient Storage/Cleaning
Full, custom-fit sterilizable packaging provided with clamp for easy, safe cleaning and storage.



V9095 Cygnets® Sterilization Tray

Intrack® Insert Sets

The clamp jaw of the Cygnet® flexible clamps incorporates the patented Intrack® channel design, so you are assured your Intrack inserts will remain secure in the channel and provide the highest level of vessel conformability and traction.

Intrack® inserts are suitable for use with both the Cygnet® clamp and Intrack® clamps, for jaws which are straight or curved.

	ITEM #	LENGTH	SETS/BOX
Standard Traction	N10125	33mm	20/box
	N10126	66mm	20/box
	N10141	86mm	20/box



Standard Traction (White/Blue) will address the need for more traction and conformity by combining a hard surface designed to maintain a secure grip on a vessel, coupled with a softer insert surface for conformity.

Conforming	N10127	33mm	20/box
	N10128	66mm	20/box
	N10147	86mm	20/box



Conforming Traction (Blue/Blue) is extremely soft, very compliant and is typically used on smaller vessels and side branches.

Double Traction	N10121	33mm	20/box
	N10122	66mm	20/box
	N10146	86mm	20/box



Double Traction (White/White) will provide a higher degree of traction for those surgeons who prefer extra gripping ability on large vessels.

Ultra	N10176	33mm	20/box
	N10174	66mm	20/box
	N10175	86mm	20/box



Ultra insert sets combine two important features in one insert; a soft, highly conformable pad surface to help reduce trauma plus an embedded top layer that delivers a minimal level of traction and security.

Front-Loading Cygnet® Clamps



Load Insert

1. Round tip of insert first via front of jaw.



2. Slide insert all the way in.



3. Push down on tip to lock in insert. Check to make sure insert is locked in (flat end of insert will now be at front end of jaw).



Remove Insert

Lift up insert at tip to unlock. Then slide insert back out to remove.

Intrack® Peripheral Vascular and Aortic Clamps

You've wanted a temporary occlusion system that is less traumatic, lower in profile, and able to provide better procedural access and control. Now you've got it. The Intrack® System helps ensure patient safety, giving you confidence and peace of mind.

Small Handle Clamps



N10001 Patent Ductus Clamp
Arched Handle
33mm Insert Length
Straight Jaw Orientation
Length* 7.3"



N10003 Multipurpose Clamp
Arched Handle
66mm Insert Length
Straight Jaw Orientation
Length* 8.5"



N10025 Multipurpose Clamp
Arched Handle
33mm Insert Length
55° Jaw Orientation
Length* 6.5"



N10030 Multipurpose Clamp
Arched Handle
33mm Insert Length
55° Jaw Orientation
Length* 6.5"



N10058 Patent Ductus Clamp
Straight Handle
33mm Insert Length
Straight Jaw Orientation
Length* 7.4"



N10070 Multipurpose Clamp
Straight Handle
66mm Insert Length
Straight Jaw Orientation
Length* 8.6"



N10072 Multipurpose Clamp
Straight Handle
66mm Insert Length
Spoon Curve Jaw Orientation
Length* 8.6"



N10105 Derra Clamp
Arched Handle
66mm Insert Length
Curve Jaw Orientation
Length* 7.9"



N10109 Multipurpose Clamp
Straight Handle
33mm Insert Length
55° Jaw Orientation
Length* 6.7"



N10111 Profunda Clamp
Straight Handle
66mm Insert Length
Curve Jaw Orientation
Length* 7.9"



N10114 Multipurpose Clamp
Arched Handle
66mm Insert Length
'C' Curve Jaw Orientation
Length* 8.1"

*Length may vary slightly due to manufacturing processes.

Easy-to-use Inserts

Intrack® Inserts (shown on page 3) fit all Intrack clamps, reducing inventory costs and ordering confusion.

Latex-free Insert Surface

Increases patient safety by providing maximal security and traction while reducing vessel trauma.

Intrack® Clamps are available in a variety of configurations, including curves. Their slim jaw profile increases surgical access and visualization.



N10078
Lambert-Kay Clamp

Medium Handle Clamps



N10048 Leland Jones Clamp
Arched Handle
33mm Insert Length
55° Jaw Orientation
Length* 7.4"



N10049 Leland Jones Clamp
Arched Handle
66mm Insert Length
55° Jaw Orientation
Length* 8.2"



N10074 Multipurpose Clamp
Straight Handle
66mm Insert Length
Spoon Curve Jaw Orientation
Length* 9.6"



N10075 Arched Aorta Clamp
Arched Handle
66mm Insert Length
Curve Jaw Orientation
Length* 9.7"



N10077 Hypogastric Clamp
Bend at Boxlock Handle
66mm Insert Length
Curve Jaw Orientation
Length* 8.4"



N10078 Lambert-Kay Clamp
Bend at Boxlock Handle
66mm Insert Length
Curve Jaw Orientation
Length* 7.5"



N10106 Multipurpose Clamp
Straight Handle
66mm Insert Length
55° Jaw Orientation
Length* 8.6"



N10156 Lemole-Strong Clamp
Bend at Boxlock Handle
86mm Insert Length
Curve Jaw Orientation
Length* 6.4"



N10220 Bahnsen Clamp
Bend at Boxlock Handle
66mm Insert Length
Bend at Jaw Orientation
Length* 8.5"



N10160 Bahnsen Clamp
Bend at Boxlock Handle
86mm Insert Length
Bend at Jaw Orientation
Length* 9"

*Length may vary slightly due to manufacturing processes.

Large Handle Clamps



N10007 Coarctation Clamp
Arched Handle
66mm Insert Length
Straight Jaw Orientation
Length* 11"



N10034 Multipurpose Clamp
Arched Handle
66mm Insert Length
55° Jaw Orientation
Length* 10.2"



N10080 Coarctation Clamp
Straight Handle
66mm Insert Length
Straight Jaw Orientation
Length* 11.3"



N10081 Arched Aorta Clamp
Arched Handle
66mm Insert Length
Curve Jaw Orientation
Length* 11"



N10083 Coarctation/Iliac Clamp
Bend at Boxlock Handle
66mm Insert Length
Straight Jaw Orientation
Length* 9.2"



N10085 Arched Aorta Clamp
Bend at Boxlock Handle
66mm Insert Length
Curve Jaw Orientation
Length* 9.4"



N10086 Hypogastric Clamp
Bend at Boxlock Handle
66mm Insert Length
Curve Jaw Orientation
Length* 9.4"



N10087 Lambert-Kay Clamp
Bend at Boxlock Handle
66mm Insert Length
Curve Jaw Orientation
Length* 8.3"



N10110 Bahnsen Clamp
Bend at Boxlock Handle
66mm Insert Length
35° Jaw Orientation
Length* 8.8"



N10129 Multipurpose Clamp
Arched Handle
66mm Insert Length
55° Jaw Orientation
Length* 9.7"

*Length may vary slightly due to manufacturing processes.

[Intrack Inserts for all clamps shown on page 3.](#)

Extra-Large Handle Clamps



N10135 Multipurpose Clamp
Arched Handle
86mm Insert Length
55° Jaw Orientation
Length* 11"



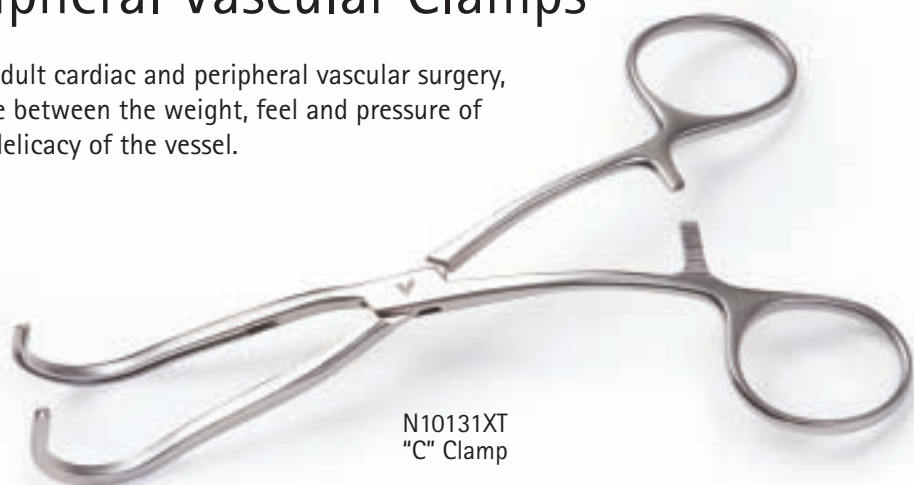
N10136 Multipurpose Clamp
Straight Handle
86mm Insert Length
Straight Jaw Orientation
Length* 12.6"



N10159 Bahnsen Clamp
Bend at Boxlock Handle
86mm Insert Length
35° Jaw Orientation
Length* 10"

Intrack® XT Peripheral Vascular Clamps

The Intrack® XT is designed for adult cardiac and peripheral vascular surgery, when you need a critical balance between the weight, feel and pressure of the instrument vs. the size and delicacy of the vessel.



N10131XT
"C" Clamp

	N10130	Profunda Clamp	Straight Handle	45mm Insert Length	Curve Jaw Orientation	5.3"
	N10131	"C" Clamp	Arched Handle	45mm Insert Length	Curve Jaw Orientation	5.3"
	N10132	Multipurpose Clamp	Arched Handle	45mm Insert Length	55° Jaw Orientation	5.5"
	N10140	Multipurpose Clamp	Arched Handle	45mm Insert Length	30° Jaw Orientation	5.8"

*Length may vary slightly due to manufacturing processes.

Intrack® XT Insert Sets

	ITEM #	LENGTH	SETS/BOX
Conforming	N10138	45mm	20/box



Conforming Traction (Blue/Blue) is extremely soft, very compliant and is typically used on smaller vessels and side branches.

	ITEM #	LENGTH	SETS/BOX
Standard Traction	N10171	45mm	20/box

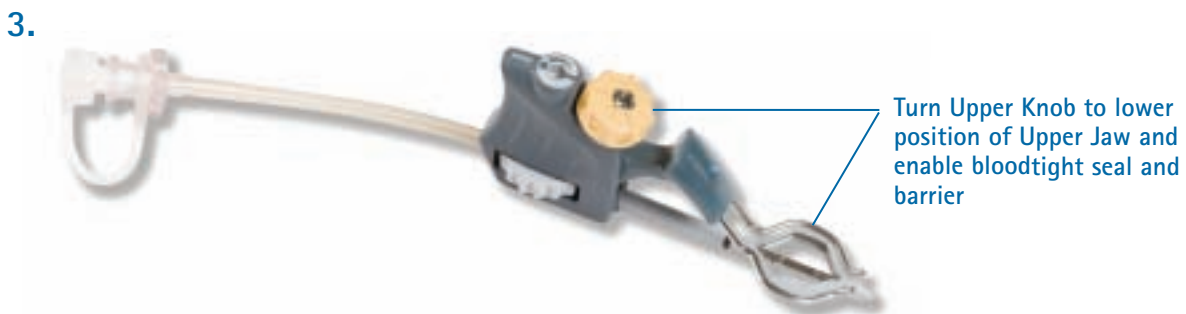
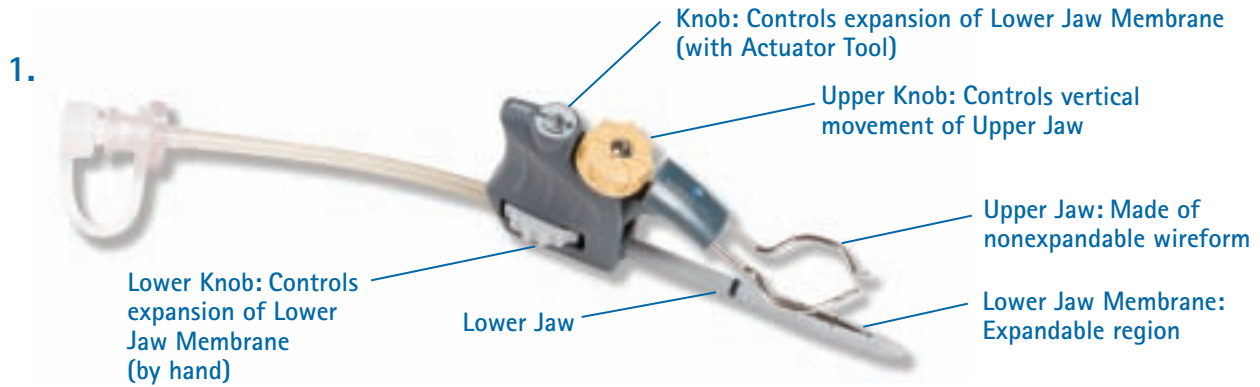


Standard Traction (White/Blue) will address the need for more traction and conformity by combining a hard surface designed to maintain a secure grip on a vessel, coupled with a softer insert surface for conformity.

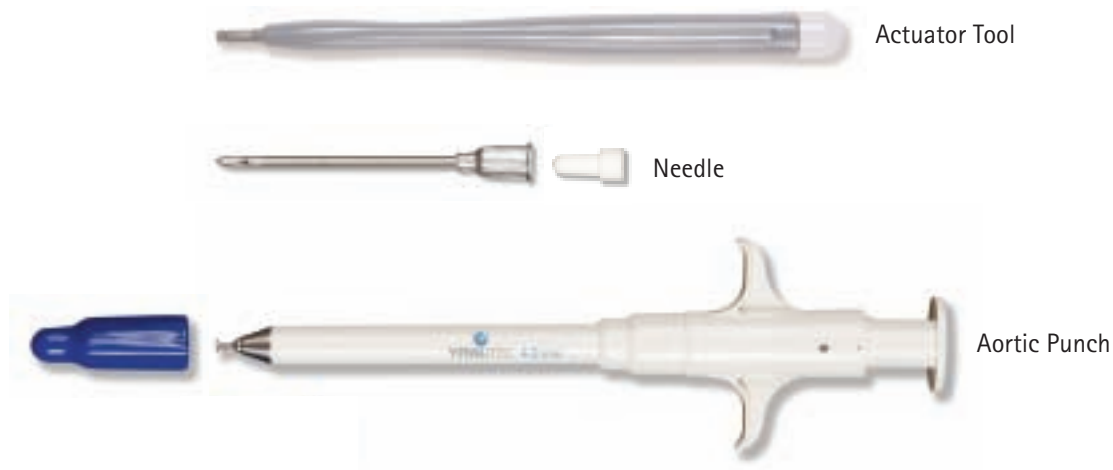
Enclose[®] II

The Enclose[®] II proximal anastomosis assist device was designed specifically to obviate the need for partial clamping of the aorta. The Enclose[®] II device can provide the surgeon with a stable, bloodless field and dramatically better hemodynamics as compared to partial occlusion clamps.

Anatomy of the Enclose[®] II process



Enclose® II Kit includes the Enclose device shown left, as well as...



ITEM #	DESCRIPTION	AORTIC PUNCH SIZE	CONTENTS
EN235	Enclose Kit	3.5mm	1 - Enclose Device 1 - Actuator Tool 1 - 14g Needle 1 - 3.5mm Aortic Punch
EN240	Enclose Kit	4.0mm	1 - Enclose Device 1 - Actuator Tool 1 - 14g Needle 1 - 4.0mm Aortic Punch
EN245	Enclose Kit	4.5mm	1 - Enclose Device 1 - Actuator Tool 1 - 14g Needle 1 - 4.5mm Aortic Punch

The Enclose® II proximal anastomosis assist device:

- Provides the surgeon with a stable, bloodless field
- Eliminates the need for partial occlusion clamping during coronary artery bypass grafting
- Allows the surgeon to create sutured anastomosis without modifying their standard techniques
- Allows for up to three anastomosis from one insertion site

Compared to a partial occlusion clamp, the Enclose® II anastomosis assist device:

- Exerts substantially less pressure on the aortic wall as compared to partial occlusion clamps
- Provides improved hemodynamics due to its low profile design
- Potentially decreases vessel trauma
- Has the potential for less intimal damage and embolization

SLS™ Ligation Systems

The Vitalitec SLS™ Clip Systems were designed as soft loading systems for our pure titanium clips. The diamond shape grooves on the inside of every clip we offer helps ensure an atraumatic yet firm hold for vessel closure. The triangular shaped wire is designed to fit perfectly into our clip applicators.

SLS™ ReLEase™ Ligation System



ITEM #	DESCRIPTION	CLIPS/PACK	COLOR	PACKAGING	UNITS/BOX
J9180	Small Clips	9	Yellow	Box of 20 Cartridges	180
R9180	Small Clips–WJ*	9	Red	Box of 20 Cartridges	180
L9180	Small/Medium Clips	9	Lilac	Box of 20 Cartridges	180
B9180	Medium Clips	9	Blue	Box of 20 Cartridges	180
V9120	Medium/Large Clips	6	Green	Box of 20 Cartridges	120
O9120	Large Clips	6	Orange	Box of 20 Cartridges	120
Cardio					
J9135	Small Clips	27	Yellow	Box of 5 Pouches	135
R9135	Small Clips–WJ*	27	Red	Box of 5 Pouches	135
B9135	Medium Clips	27	Blue	Box of 5 Pouches	135

*WJ = For use with Wide Jaw Applicators

5 Sizes Available: Our exclusive small/medium has been designed at the request of surgeons, to match specific vessel sizes.

 Developed Clip

Diamond Shape Grooving

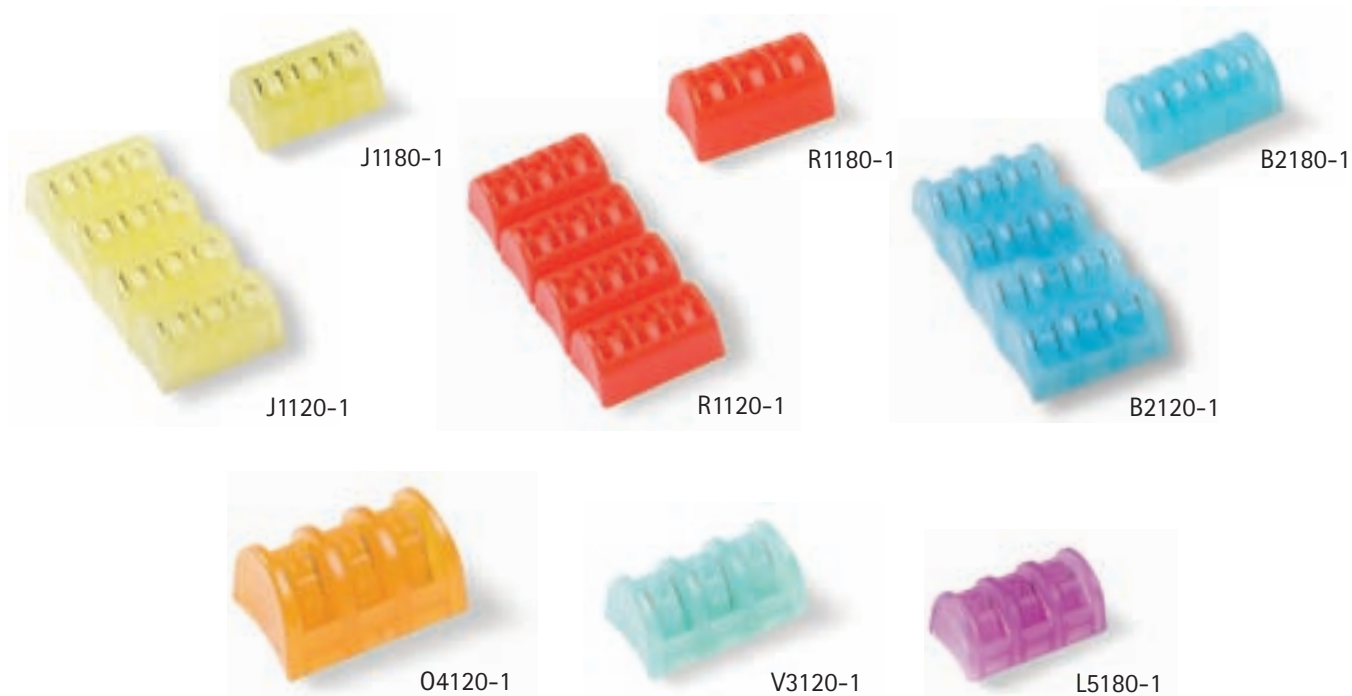
Diamond grooving and interlocking atraumatic teeth design of the clip ensures enhanced security in vessel closure: striation is composed of small pyramidal heads, similar to tungsten inserts from needle-holders, ensuring a firm multi-directional non-traumatic vessel grip.



Triangular Shaped Wire

Shaped wire is designed to fit perfectly into the custom grooves of our applicators to provide additional precision during application of the clip.

SLS™ Classic Ligation System



ITEM #	DESCRIPTION	COLOR	PACKAGING	UNITS/BOX
J1120-1	Small Clips	Yellow	Box of 5 Pouches	120
J1180-1	Small Clips	Yellow	Box of 30 Cartridges	180
R1120-1	Small Clips-WJ*	Red	Box of 5 Pouches	120
R1180-1	Small Clips-WJ*	Red	Box of 30 Cartridges	180
L5180-1	Small/Medium Clips	Lilac	Box of 30 Cartridges	180
B2120-1	Medium Clips	Blue	Box of 5 Pouches	120
B2180-1	Medium Clips	Blue	Box of 30 Cartridges	180
V3120-1	Medium/Large Clips	Green	Box of 20 Cartridges	120
O4120-1	Large Clips	Orange	Box of 20 Cartridges	120

*WJ = For use with Wide Jaw Appliers

5 Sizes Available: Our exclusive small/medium has been designed at the request of surgeons, to match specific vessel sizes.



Chevron Shape

Chevron shape provides progressive and encompassing tip-to-tip closure before complete and secure occlusion of tissue or vessel.

Pure Titanium

Pure titanium annealed to a malleable consistency providing maximum vessel occlusion and zero memory to prevent tip opening after application. Biologically inert, radiolucent and non-magnetic for use with MRI or related scanning equipment.

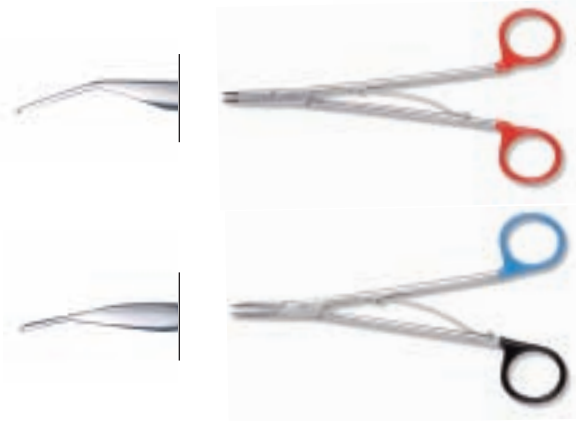
VITALITEC

SLS™ Clip Systems' Appliers

Vitalitec clip appliers for both clip systems are available in 15cm, 19cm, 20cm, 28cm, and 28cm angled models. For minimally invasive surgery, Vitalitec has developed a special laparoscopic range in 5.0mm, 6.5mm, 10.0mm, and 12.5mm diameter. The clip appliers are manufactured with a specific treatment inside the grooves of the jaws to increase the grip on the clip, which can minimize clips dropping before application.



PRT120-1B
T model, 20cm



T Model: 20° Jaw Angle, Trim Jaws
 PRT120-1B 20cm (8") Wide Jaw – Small Clips
 PBT220-1B 20cm (8") Medium Clips

E Model: 12.5° Jaw Angle, Fine Jaws
 PRE119-1E 19cm (7.5") Wide Jaw – Small Clips
 PBE219-1E 19cm (7.5") Medium Clips

CR428-E Clip Remover



Clip Removal



Our clip remover works by pinching the apex of the clip which opens the legs, allowing for easier clip removal.

Standard Popular Appliers

Special styles available upon request.

Small Yellow Applier

PJ115-1B	Small Clip Applier, 15cm
PJT120-1B	Small Clip Applier, 20cm
PJ128-EB	Small Clip Applier, 28cm
PJC128-EB	Small Clip Applier, 28cm, Rt. Angle

Medium

PB215-1B	Medium Clip Applier, 15cm
PBT220-1B	Medium Clip Applier, 20cm
PB228-EB	Medium Clip Applier, 28cm
PBC228-EB	Medium Clip Applier, 28cm, Rt. Angle

Large

PO420-E	Large Clip Applier, 20cm
POC420-E	Large Clip Applier, 20cm, Rt. Angle
PO428-E	Large Clip Applier, 28cm
POC428-E	Large Clip Applier, 28cm, Rt. Angle

Small Red, Wide Jaw

PR115-1B	Small WJ Clip Applier, 15cm
PRT120-1B	Small WJ Clip Applier, 20cm
PR128-EB	Small WJ Clip Applier, 28cm
PRC128-EB	Small WJ Clip Applier, 28cm, Rt. Angle

Medium/Large

PV320-E	Med/Lg Clip Applier, 20cm
PVC320-E	Med/Lg Clip Applier, 20cm, Rt. Angle
PV328-E	Med/Lg Clip Applier, 28cm
PVC328-E	Med/Lg Clip Applier, 28cm Rt. Angle

Specials

CR428-E	Clip Remover
LCA1033 M/L	ML Lap Clip Applier, 33cm, 10mm Diam

Other sized Lap Appliers Available upon request



Clip appliers are color-coded to match clip sizes.



LCA1033 M/L
ML Lap Clip Applier
33cm, 10mm Diam

VITALITEC

Spring Clips



VSA1805
Spring Clip Clamp for Greyhound®
and Sofia™ Spring Clips

Greyhound® Adjustable Spring Clip

The Greyhound® Adjustable Spring Clip allows as little or as much occlusive force as necessary to meet the patient needs, giving you more control over small vessel occlusion.

- **Adjustable to three occlusive force settings:**

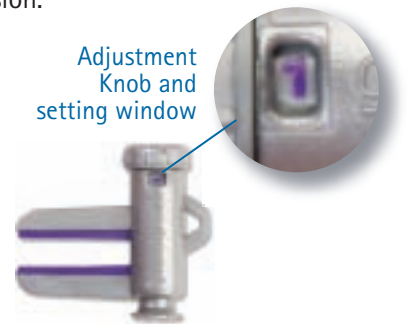
Setting window confirms the selected occlusive force

1 = 1/2 force

2 = 3/4 force

3 = Full force

- 6mm jaw opening; compatible with 6mm Spring Clip Applicator
- Lightweight
- Low profile, soft jaw surface
- May be used for anchoring suture
- Latex-free
- Single-use disposable



N10157
6mm Straight Jaw Opening
15/box

Sofia™ Atraumatic Spring Clip

Sofia™ Spring Clips are atraumatic, yet hold extremely well due to the unique soft insert material and design. The clips close tips first, encompassing the vessel, with the final result providing parallel closure of the jaws and more uniform closing pressure.

- Available in 3 closing pressures
- Padded jaws extend past "arms", offering peace of mind in placement
- Jaw lengths and openings are maximized to meet most temporary spring clip needs.

ITEM #	JAW OPENING	JAW LENGTH	UNITS/BOX	FORCE	COLOR
VSJ1807	7mm	18mm	12/box	1/4	Yellow
VSL1807	7mm	18mm	12/box	1/2	Lilac
VSJ1807	7mm	18mm	12/box	3/4	Blue





Novaclip® Atraumatic Spring Clip

Sleek and sturdy, the Novaclip® is easy to use; gets the job done with minimal trauma.

- Lower profile than parallel spring clips due to Novaclip's smaller design
- Novaclip® is atraumatic – potentially less damaging to vessels than metal bulldogs
- Lightweight so they will not weigh down vessels during use
- Easy insertion and removal thanks to the attachment pads – it's easy to apply manually or with surgical instruments
- Novaclip® provides occlusion of normal or atherosclerotic vessels that are less than 4mm in diameter and may be used in a variety of applications, including:
 - internal mammary artery
 - saphenous vein
 - tibial artery
 - renal artery
 - side branches of the femoral, iliac and carotid arteries

ITEM #	JAW LENGTH	JAW CONFIGURATION	UNITS/BOX
N10108	17mm	Straight	15/box
N10112	12mm	Straight	15/box
N10113	12mm	Angled	15/box



N10108

N10112

N10113



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