



**VTO**

Vascular Temporary Occlusion

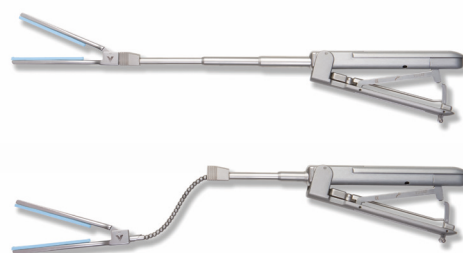
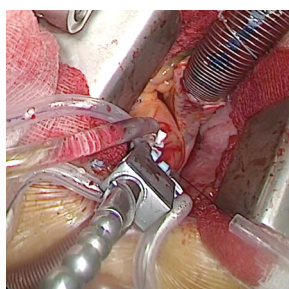
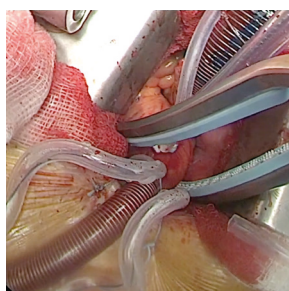
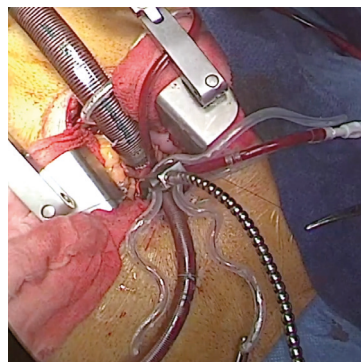


**Occluding blood flow**  
of a vessel for the duration  
of a surgical procedure

[peters-surgical.com](http://peters-surgical.com)

# Cygnets® Flexible Clamps

Cygnets® clamps capture the world of multi-use and aortic cross clamping. The rigid shaft is designed to enable 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.



**V-10142 Aortic Cross Clamp,**  
shown with (N-10174v) Ultra inserts



## Flexible neck

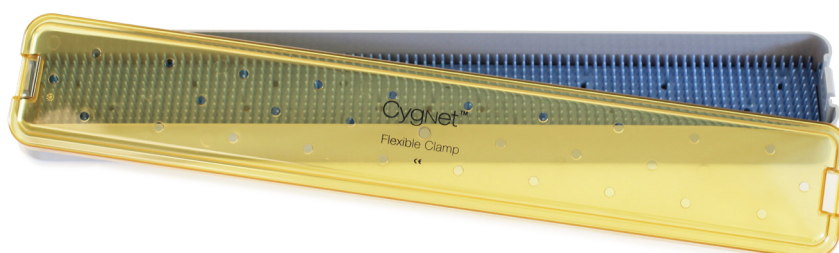
- Which can then be maneuvered to a location remote of the surgical procedure.

## Rigid shaft

- Design to enable tunnelling even in a deep operative field.

## V9095 Cygnets® Sterilization Tray








**Convenient Storage/Cleaning**  
Full, custom-fit sterilizable packaging  
provided with clamp.

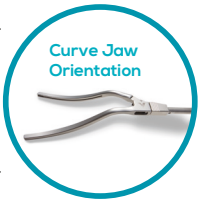


# Flexible Clamp Styles

Shown with Intrack Ultra Inserts



	ITEM #	NAME	INSERT LENGTH	JAW ORIENTATION
	V-10183	Multi-purpose Clamp	33mm	Straight
	V-10142	Aortic Cross Clamp	66mm	Straight
	V-10143	Arched Aortic Clamp	66mm	Curve
	V-10152	Arched Aortic Clamp	86mm	Curve
	V-10151	Aortic Cross Clamp	86mm	Straight
	VS00055	Short Jaw	66mm	Straight
	VS00056	Lambert-Kay Jaw	66mm	C Curve
	VS00057	Lambert-Kay Jaw	86mm	C Curve



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



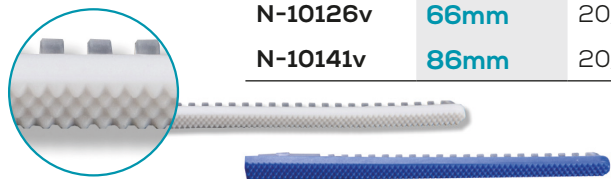
# Intrack® Insert Sets

## Gentle pressure thanks to protective inserts

This product is single use, disposable and latex-free.

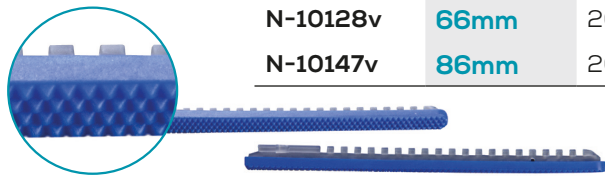
Intrack® inserts are suitable for use with both the Cygnet® clamps and Intrack® clamps, for jaws which are straight or curved.

	ITEM #	LENGTH	SETS/BOX
Standard Traction	N-10125v	33mm	20/box
	N-10126v	66mm	20/box
	N-10141v	86mm	20/box



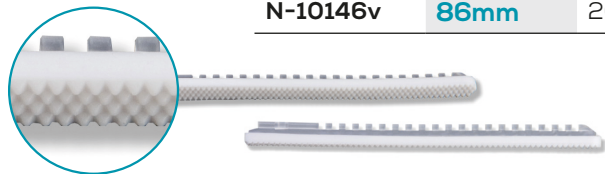
Standard Traction (White/Blue) will address the need for traction and conformity by combining a hard surface designed to maintain a secure grip on a vessel, coupled with a softer insert surface for conformity.

Conforming	N-10127v	33mm	20/box
	N-10128v	66mm	20/box
	N-10147v	86mm	20/box



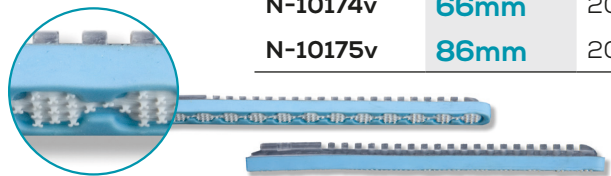
Conforming Traction (Blue/Blue) is the softest model offered in the range and designed to be used on small vessels and side branches.

Double Traction	N-10122v	66mm	20/box
	N-10146v	86mm	20/box



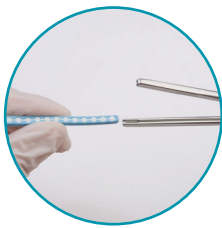
Double Traction (White/White) will provide a higher degree of traction for surgeons who prefer extra gripping ability on large vessels.

Ultra	N-10176v	33mm	20/box
	N-10174v	66mm	20/box
	N-10175v	86mm	20/box



Ultra insert sets combine two features in one insert. A soft, conformable pad surface that helps reduce trauma plus an embedded top layer that delivers a maximum level of traction.

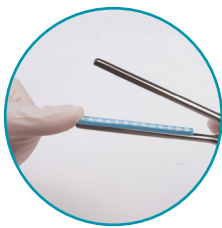
### Front-Loading Cygnet® Clamps



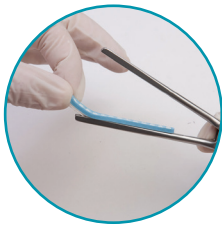
1. To load Insert  
Round tip of insert first  
via front of jaw.



2. Slide insert all the way in.



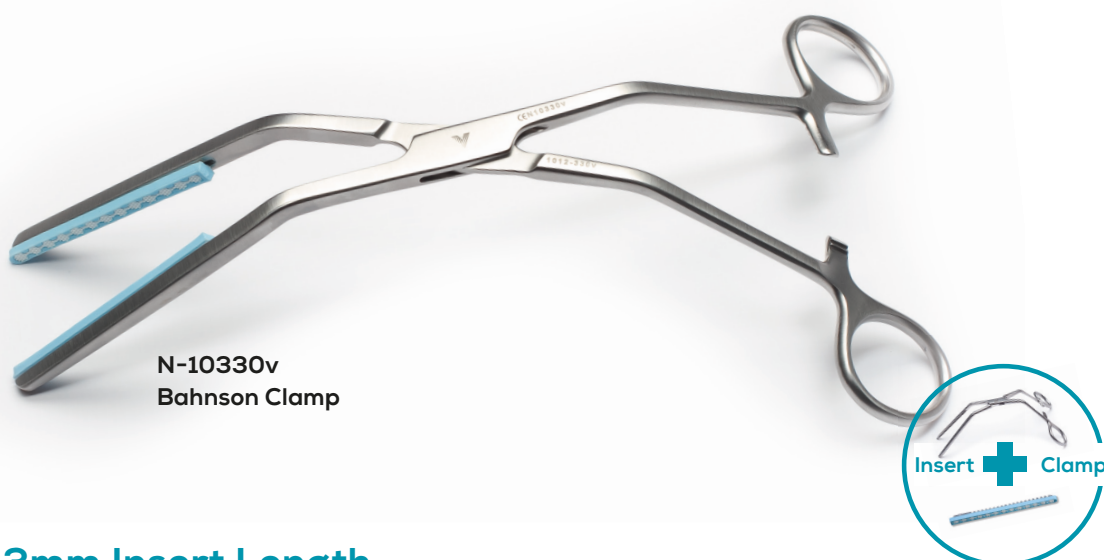
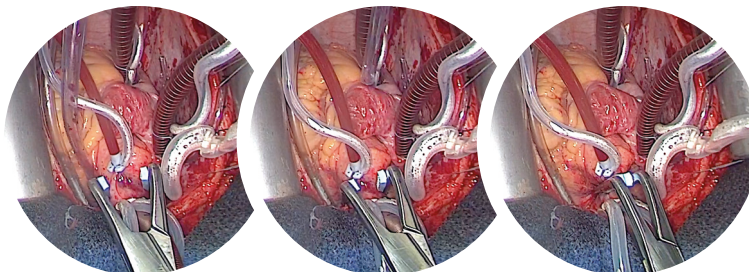
3. Push down on tip to lock  
in insert.  
Check to make sure insert is  
locked in.



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

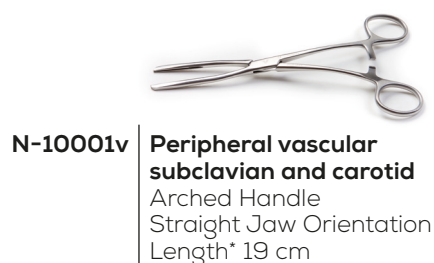
# Intrack® Peripheral Vascular and Aortic Clamps

The Intrack® system is composed of a wide range of metal clamps allowing the temporary occlusion of vessels. Available in lengths of 33, 66 and 86 mm. These clamps are for use with Intrack Inserts (see page 4).



## 33mm Insert Length

### Small handle Clamps



# Intrack® Peripheral Vascular and Aortic Clamps

## 66mm Insert Length Medium Handle Clamps



Full size view



**N-10083v Coarctation/Iliac Clamp**  
Bend at Boxlock Handle  
Straight Jaw Orientation  
Length\* 24 cm



**N-10080v Coarctation clamp**  
**Thoracic, abdominal aorta**  
Straight Handle  
Straight Jaw Orientation  
Length\* 28,7 cm



**N-10007v Coarctation clamp**  
**Thoracic, abdominal aorta**  
Arched Handle  
Straight Jaw Orientation  
Length\* 28 cm



**N-10086v Hypogastric clamp**  
**Aortic suprarenal, external and internal iliacs**  
Bend at Boxlock Handle  
Curve Jaw Orientation  
Length\* 24 cm



**N-10077v Hypogastric clamp**  
**Aortic suprarenal, external and internal iliacs**  
Bend at Boxlock Handle  
Curve Jaw Orientation  
Length\* 19 cm



**N-10049v Leland Jones clamp**  
**Aorta, femoral, popliteal, subclavian and carotid**  
Arched Handle  
55° Jaw Orientation  
Length\* 21 cm



**N-10106v Peripheral vascular, subclavian and carotid clamp**  
Straight Handle  
55° Jaw Orientation  
Length\* 22 cm



**N-10003v Peripheral vascular, subclavian and carotid clamp**  
Arched Handle  
Straight Jaw Orientation  
Length\* 21,5 cm



**N-10034v Aorta, femoral, popliteal, subclavian and carotid clamp**  
Arched Handle  
55° Jaw Orientation  
Length\* 26 cm



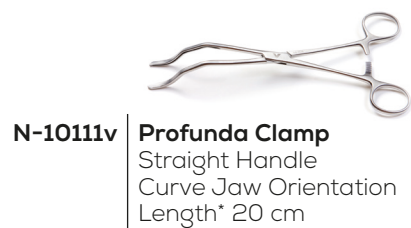
**N-10085v Aortic aneurism clamp**  
Bend at Boxlock Handle-Curve  
Jaw Orientation  
Length\* 24 cm



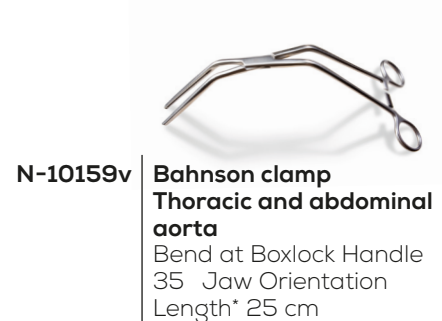
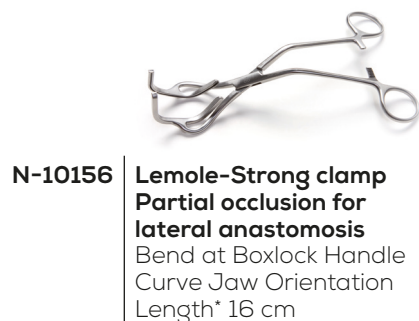
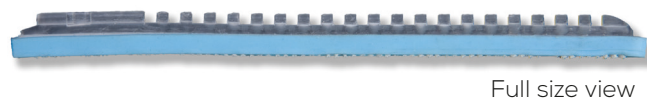
**N-10081v Aortic aneurism clamp**  
Arched Handle  
Curve Jaw Orientation  
Length\* 28 cm



**N-10075v Aortic aneurism clamp**  
Arched Handle  
Curve Jaw Orientation  
Length\* 24,5 cm



## 86mm Insert Length Large Handle Clamps



These clamps are for use with Intrack Inserts (see page 4)

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

# Greyhound®

## Bulldogs – Adjustable Spring Clips

This product is single use, disposable and latex-free.

The Greyhound® Adjustable Spring allows for variable occlusive force to meet the user needs, allowing 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

Reference	Jaws length	Jaws design	Jaws opening	Jaws angulation	Pressure	Color code	Packaging (per box)
N-10157	18 mm	Soft	Adjustable	Straight	Adjustable 3 forces	Grey	15 units



Applicator for Greyhound® Spring Clips	
Reference	Overall length
VSA 1805	18 cm



# Novaclip®

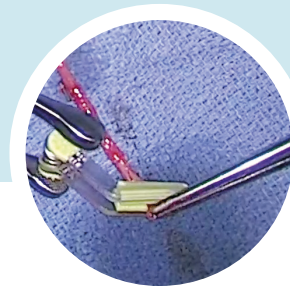
## Bulldogs – Atraumatic Spring Clips

**This product is single use, disposable and latex-free.**

- Low profile due to Novaclip's® smaller design.
- Easy insertion and removal thanks to the attachment pads – 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.

**Novaclip® surgical Spring Clips are indicated for use in:**

- Peripheral surgery
- Vascular surger
- Cardiovascular surgery
- General surgery



N-10112



N-10113



N-10108

Full size view

Reference	Jaws length	Jaws design	Jaws opening	Jaws angulation	Pressure	Color code	Packaging (per box)
N-10112	17 mm	Soft/Soft	12 mm	Straight	1/2 force	Lilac	15 units
N-10113	16 mm	Soft/Soft	12 mm	Angled	1/2 force	Yellow	15 units
N-10108	24 mm	Soft/Soft	17 mm	Straight	1/2 force	Blue	15 units

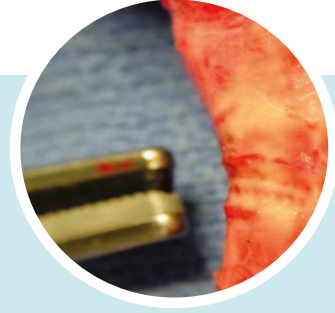
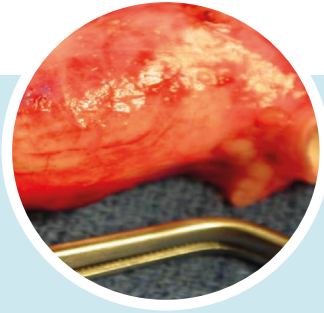
Applicator for Novaclip® spring Clips

Reference	Overall length
VSA 185	19 cm

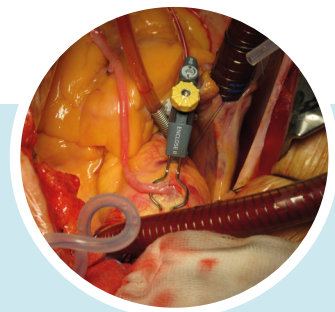
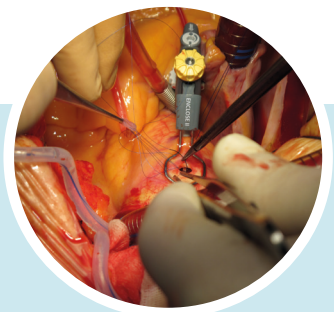
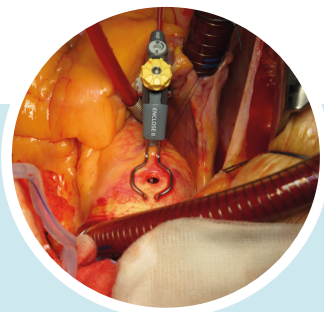


# Enclose® II Proximal Anastomosis Assist Device

Why is clamping not preferred for proximal anastomosis with diffuse atherosclerotic plaque in the ascending aorta ?



- There is a potential for plaque and tissue fragments to become embolized due to clamping, which can travel through the bloodstream and cause cerebral embolization and stroke.
- Embolization can occur in systemic circulation and can cause renal or mesenteric embolization causing renal dysfunction or mesenteric ischemia.
- Aortic wall trauma or aortic wall dissection can occur with traditional partial or cross clamps.
- There can be an increased risk of post operative cognitive dysfunction.



- Used in Beating Heart Coronary Bypass Surgery.
- Used in onpump CABG for those who perform proximal anastomosis after releasing the cross clamp.
- Designed specifically to obviate the need (and the associated risks) for partial clamping of the aorta.
- Allows for up to three anastomosis with one device.

# Anatomy of the Enclose® II - Process



**Switch**  
Controls expansion of Lower Jaw Membrane (with Actuator Tool)

**Upper Knob**  
Controls vertical movement of Upper Jaw

**Upper Jaw**  
Made of nonexpandable wireform

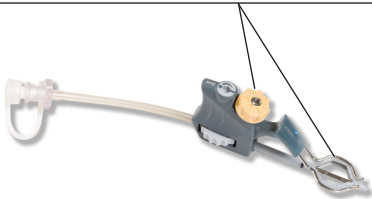
**Lower Jaw Membrane**  
Expandable region

**Lower Jaw**

**Extension Tube**  
Check for hemostasis prior to creating aortotomy

**Lower Knob**  
Controls expansion of Lower Jaw membrane (by hand)

Turn Upper Knob with Actuator Tool or fingers to lower position of Upper Jaw and enable bloodtight seal and barrier



## The Enclose® II Device

Item	Description	Aortic punch size	Contents
EN235v	Enclose Kit	3.5	<ul style="list-style-type: none"><li>• Enclose Device</li><li>• Actuator Tool</li><li>• 14G Needle</li><li>• Aortic punch</li></ul>
EN240v	Enclose Kit	4.0	<ul style="list-style-type: none"><li>• Enclose Device</li><li>• Actuator Tool</li><li>• 14G Needle</li><li>• Aortic punch</li></ul>
EN245v	Enclose Kit	4.5	<ul style="list-style-type: none"><li>• Enclose Device</li><li>• Actuator Tool</li><li>• 14G Needle</li><li>• Aortic punch</li></ul>

**ACTUATOR TOOL**

**NEEDLE**

**AORTIC PUNCH**



## References

### • Intrack® Surgical Clamps

For Vascular

- Suitable for veins and arteries
- Performs efficiently on either diseased or normal vessels
- Provides occlusion of atherosclerotic vessels without excessive closing forces
- Minimizes intimal damage and fragmentation of atherosclerotic material
- Can be clamped over indwelling catheters

For Gastrointestinal

- Replaces bulky, rubber shod clamps
- Cushion-design of inserts enables occlusion without crushing the bowel

Medical device class I CE. Manufacturer: Vitalitec International Inc. d/b/a Peters Surgical USA distributed by PETERS SURGICAL

### • Intrack® Inserts

For Vascular

- Suitable for veins and arteries
- Performs efficiently on either diseased or normal vessels
- Provides occlusion of atherosclerotic vessels without excessive closing forces
- Minimizes intimal damage and fragmentation of atherosclerotic material
- Can be clamped over indwelling catheters

For Gastrointestinal

- Replaces bulky, rubber shod clamps
- Cushion-design of inserts enables occlusion without crushing the bowel

Medical device class IIa, CE 2797. Manufacturer: Vitalitec International Inc. d/b/a Peters Surgical USA distributed by PETERS SURGICAL

### • The Cygnet® Flexible Clamp

The Cygnet clamp is to be used with INTRACK® inserts as indicated for surgical clamping to temporarily occlude blood vessels in cardiovascular, peripheral vascular and general surgical procedures. The Cygnet clamp is available in 33mm, 66mm and 86mm jaw lengths, which are compatible with INTRACK® 33mm, 66mm and 86mm inserts. Medical device class I CE. Manufacturer: Vitalitec International Inc. d/b/a Peters Surgical USA distributed by PETERS SURGICAL

Cygnet U.S. Patent No. 6,228,104, 6,273,902, 6,676,676, 6,638,287, 6,544,274 and other patents pending.

### • Greyhound® and Novaclip® Spring Clips (Bulldogs)

The Adjustable Spring Clip Greyhound® and Novaclip® surgical Spring Clips are indicated for use in peripheral vascular, cardiovascular and general surgery. They are used for temporary occlusion of blood vessels and may be used for anchoring suture. They are suitable for veins and arteries and provide occlusion of atherosclerotic vessels or normal vessels. They may be used for temporary occlusion of the autogenous saphenous vein during coronary bypass surgery.

Medical device class IIa, CE 2797. Manufacturer: Vitalitec International Inc. d/b/a Peters Surgical USA distributed by PETERS SURGICAL

### • Enclose II®

The Enclose II device is intended for use by cardiac surgeons during on-pump or off-pump coronary artery bypass grafting (CABG) procedures in place of partial occlusion clamps in ascending aortas free of atheromatous disease.

Medical device class IIa, CE 2797

Manufacturer: Vitalitec International Inc. d/b/a Peters Surgical USA distributed by PETERS SURGICAL

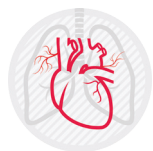
See the Instructions for use

## Peters Surgical Headquarters & French Affiliates

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### Read the instructions carefully before using the products.

Presentation to Peters Surgical employees and distributors as well as health care professionals.



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