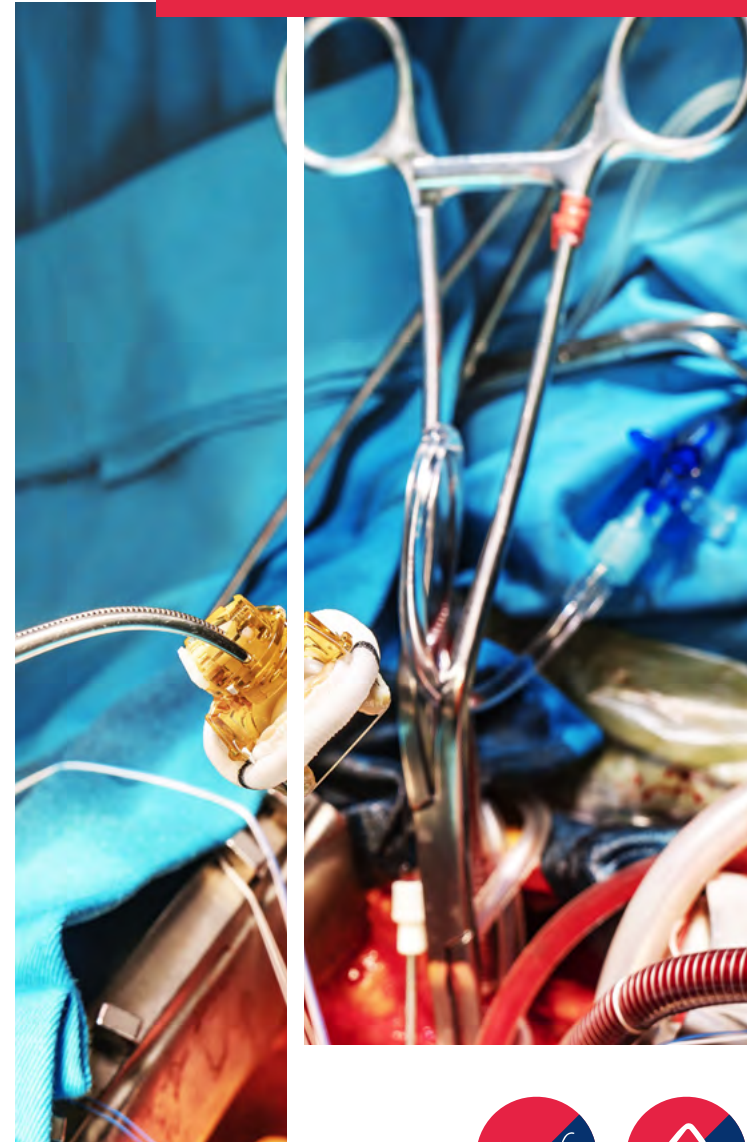


Cardiovascular Surgeries solutions



Peters Surgical designs a **full range of Sutures, Clips and temporary vascular occlusion devices**, which are in line with cardiovascular surgery needs during on-pump or off-pump procedures

**Opening and
Exposure of
The Heart**

P. 5

**Cardiopulmonary
bypass setup**

P. 6

Specific procedures

P. 8 – 16

Coronary Bypass

On-pump & Off-pump
p. 8

**Valves Replacement
& Repair**

p. 12

Aortic Surgeries

p. 14

**Minimally Invasive
Cardiovascular Surgeries**

p. 15

Congenital Heart Surgeries

p. 16

Closure
p. 18

● Summary

● Information
of products

Our Solutions.

Sutures.

At the heart of Peters Surgical experience and know-how, our sutures are the result of a long-term collaboration with Professor Alain Carpentier.

Today, we offer a wide range of absorbable and non-absorbable sutures.

Clips-VTO.

Our knowledge in clips and appliers technology for open and laparoscopic surgeries benefits from international recognition.





Opening and Exposure of The Heart.

Pericardial suspension

Polytresse®

Non absorbable suture, coated polyester braid



- **Very good knot strength** to prevent suture tear/fracture
- **Great slide** thanks to silicone coating
- **Strong needle and good ductility** made of A300 series stainless steel

Hemostasis of mediastinal arteries & veins

SLS-Clip & Clip 9 Vitalitec®

Pure titanium & chevron-shaped clip



- **Clips sizes adapted** to perform hemostasis on various vessel configurations



- **Non-slip closure on the vessels** thanks to interlocking atraumatic teeth and internal structure made up of small diamond shape



- Specific treatment and shape of the applicator jaw inner surface to help **secure the grip of the clip** in the applicator until applied to a vessel

Product's recommendation by Peters Surgical

Suture brand	USP	Needle tip	Needle curvature, length	Suture length	Qty suture used
Polytresse®	0 to 3	Cutting	1/2c, 22 to 48 mm	75 cm	2 to 4

Clip cartridge	Height clip closed	Qty clip used
Medium/blue	5,6 mm	4

TOP ORDER CODES		
91S40E	Polytresse®	1/2 T, 36 mm, 75cm
91S40C	Polytresse®	1/2 T, 30 mm, 75cm
B9180	Clip medium	Height clip closed : 5,6 mm



Opening

CPB Setup



MICS



Closure



Cardiopulmonary Bypass Setup¹.

Aortic and venous purse-strings for cannulation

Cardioxyl®

Non absorbable suture, polyester coated braid



- **Great glide** through the tissue due to the silicone coating in order to facilitate cannula's setup.



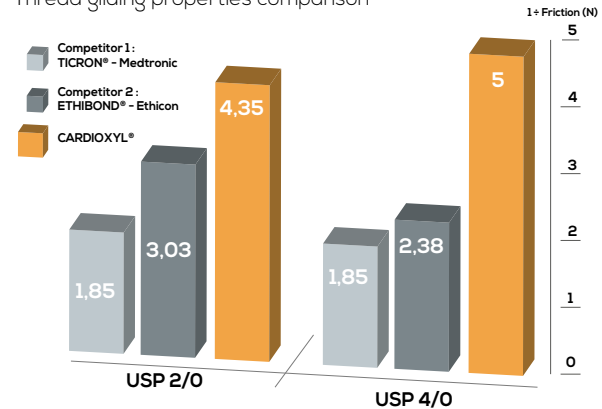
- **High knot strength** for better fixing the cannula.



- **KL needle** for better penetration of calcified or sclerous tissues
- **Preloaded pledgets** for assisting ligation of thin or fragile tissue and preventing trauma



Thread gliding properties comparison ²



Product's recommendation by Peters Surgical

Suture brand	USP	Needle tip	Needle curvature, length	Suture length	Qty suture used
Cardioxyl® / Cardioflon® Evolution	2/0 or 3/0	KL needle	1/2c or 3/8c, 17 to 22 mm	75 cm	1 to 2 per cannulation site

TOP ORDER CODES

73S20F	Cardioxyl® 3/0	3/8 KL, 18 mm, DA 75 cm
19S30AK	Cardioflon® Evolution 2/0	3/8 KL, 20mm, DA 75 cm

1. For cardiovascular surgeries, surgeons can sometimes prefer a beating-heart technique requiring no CPB, no cannulation and no aortic cross-clamping.

2. Study SPS008-1207EN, Peters surgical R&D service. The data reported come from a study on an animal model, the observed effects of which cannot be extrapolated to a possible benefit in humans.



Opening

CPB Setup



MICS



Closure



Aortic cross-clamping

Cygnets® & Intrack®

Surgical flexible clamps with atraumatic single-use inserts

Cygnets®

- **A rigid shaft** enables tunnelling in a deep operative field.

- **Flexible shaft** for maneuvering hard-to-reach surgical areas

Intrack® Inserts Ultra



- **Atraumatic** insert design
- **Traction** to prevent slippage
- **Strong** hold on the vessel
- **Match** all clamp jaw configurations, even curved ones

OTHER CLAMP

Bahnson clamp

Product's recommendation by Peters Surgical



TOP ORDER CODES

V-10142	Cygnets® Aortic cross clamp	66 mm straight jaw
N-10174V	Intrack® Inserts Ultra	66 mm

INSERTS RANGE

Provided length in choice of 33/66/86 mm

	types	Description
	Ultra	Atraumatic insert design
	Conforming	Extremely soft and compliant
	Traction	Combining a traction and conformity features
	Double traction	Higher degree of traction



Coronary Bypass.

Hemostasis & separation of collaterals branches

SLS-Clip & Clip 9 Vitalitec®

Pure titanium & chevron-shaped clip

6 sizes and 2 cartridge models



Clip 9 VITALITEC®
9 Clips/cartridge*



SLS-Clip VITALITEC®
6 Clips/cartridge

- **Clips sizes** adapted to perform hemostasis on various vessel configurations.
- **Number of clips per cartridge** better suited for number of clips used per procedure

Product's recommendation by Peters Surgical

TOP ORDER CODES

Medium	Small/Medium	Small	Small	Micro
B9180	L9180	R9180	J9180	W9060
5,6 mm***	4,7 mm***	3,6 mm***	3,6 mm***	2,6 mm***

* Except for Medium/Large and Large size : 6 Clips per cartridge
*** Height clip closed

Grafts clamping

Atraumatic Single-use spring clip (Bulldogs)

Possible to apply manually or with the help of a specific applicator



- **Greyhound®**
3 ajustable pressure started with 1/2 force (1st position); 3/4 force (2nd position) then full force (3th position)



- **Sofia Vitalitec®** soft elastomeric pads to reduce the risk of vascular trauma
- 3 available intensities of clamping forces :1/4 Force, 1/2 Force, 3/4 Force



- **Novaclip®** Lightweight and more refined profile
- Jaws opening until 17 mm

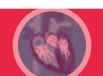
TOP ORDER CODES

N-10113 Novaclip® 12mm, 1/2 force, Angled yellow



Opening

CPB Setup



MICS



Closure



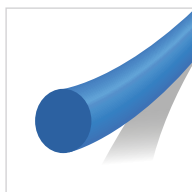
Anastomosis

Corolene®

Non absorbable suture, polypropylene monofilament



- **Coropak® or 4-Pak®**
Packaging «extended shuttle»
reduce all shape memory and make
needles access easier



- **Great flexibility** & glide properties
- **Knot strength** is either higher or
equivalent to competitors¹



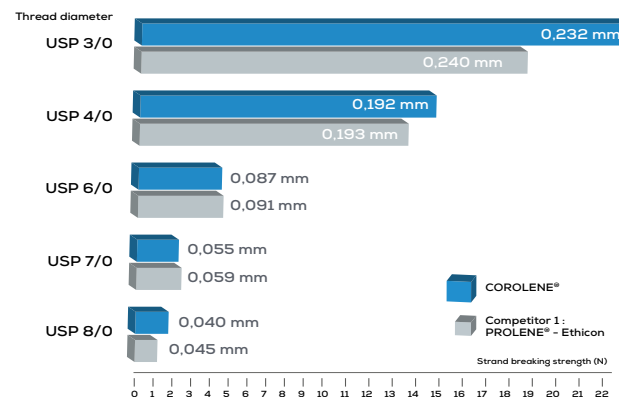
- **KL needle** for better penetration
of calcified aortic annulus
- **Extrablack® needle** for improving
visibility



Coropak®

4-Pak®

Comparison of breaking strength
properties of polypropylene sutures¹



Product's recommendation by Peters Surgical

At least one per anastomosis	USP	Needle tip	Needle curvature, length	Suture length
Distal anastomosis	7/0 or 8/0	Round or KL	3/8c, 6 to 10 mm	45 to 60 cm
Proximal anastomosis	6/0 or 5/0	Round or KL	3/8c, 13 mm	75 cm

TOP ORDER CODES

20S04C : 8/0, 3/8 R, 6.4 mm, DA 45 cm • **20S05D** : 7/0, 3/8 KL, 10 mm, DA 60 cm
20S07D : 6/0, 3/8 R, 13 mm, DA 75 cm • **20S10C** : 5/0, 3/8 KL, 13 mm, DA 75 cm

¹ Study SPS008-1207EN, Peters Surgical R&D service. The data reported come from a study on an animal model (on anatomical subjects, in vitro, etc.), the observed effects of which cannot be extrapolated to a possible benefit in humans.



Coronary Bypass Off-pump Surgeries.

Partial clamping of the aorta

Lambert-Kay clamp range

Clamp with curved jaw orientation

Cygnets® Lambert-Kay flexible clamp



Curve Jaw
orientation



Lambert-Kay clamp



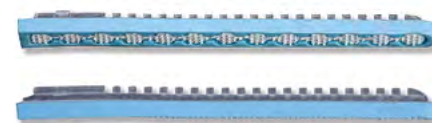
Product's recommendation by Peters Surgical

Clamp type	Jaws lenght	Inserts design
Cygnets® Lambert-Kay	66 mm or 86 mm	Ultra

Intrack®

Atraumatic single-use insert

Intrack® Inserts Ultra



- **Atraumatic** insert design
- **Traction** to prevent slippage
- **Strong** hold on the vessel
- **Match** curved clamp jaw configuration,

INSERTS RANGE

types	Description
 Ultra	Atraumatic insert design
 Conforming	Extremely soft and compliant
 Traction	Combining a traction and conformity features
 Double traction	Higher degree of traction

TOP ORDER CODES

V-10143	Cygnets® Aortic cross clamp lambert-kay C-curve 66 mm
N-10174V	Intrack® inserts ultra 66 mm



Opening

CPB Setup



MICS



Closure



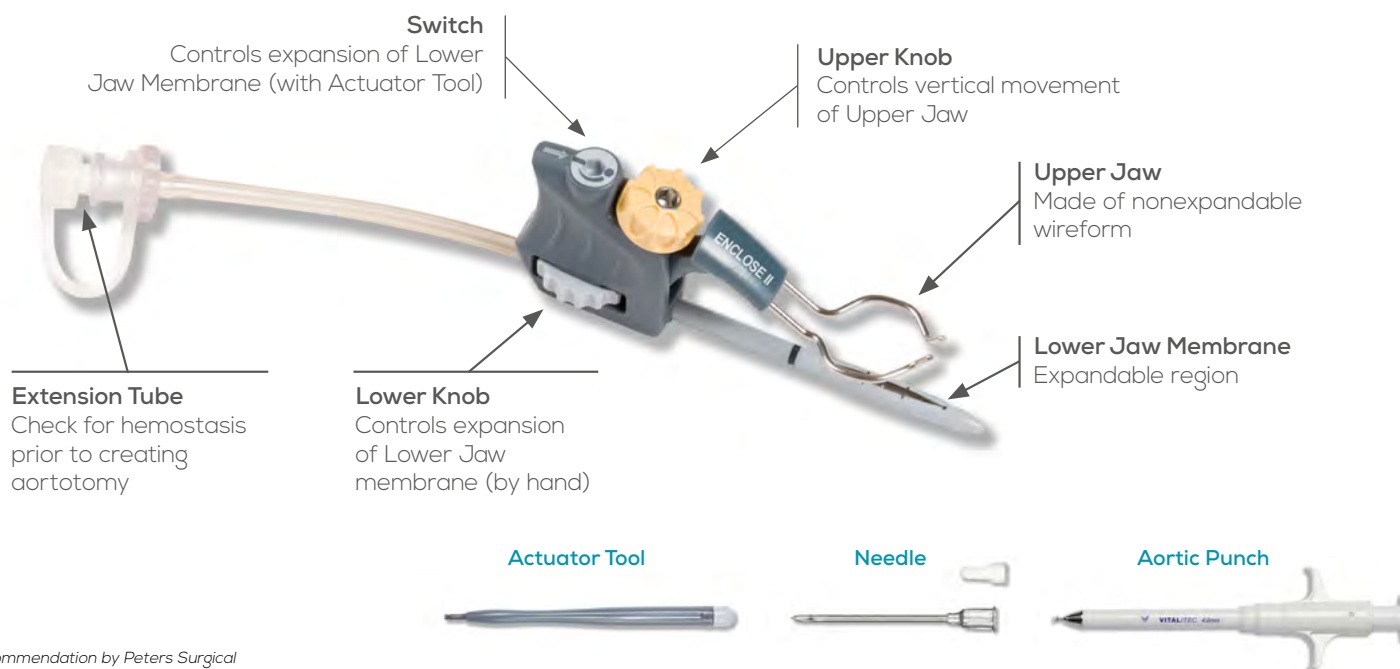
Anastomosis without clamping

Enclose® II

Proximal anastomosis
assist device



- Designed to provide the surgeon with a **stable, bloodless field**.
- **Used in on-pump CABG** for those who perform proximal anastomosis after releasing the cross clamp.
- **Designed specifically** to obviate the need for partial clamping of the aorta.
- Allows **several anastomosis** from one insertion site*.



Product's recommendation by Peters Surgical

Product	Aortic punch size
Enclose® II	3.5 mm / 4.0 mm / 4.5 mm

TOP ORDER CODES

EN240V : Enclose®II kit Aortic punch size : 4.0 mm

* Depending on surgeon's technique



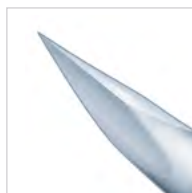
Valve Replacement & Repair.

Valve fixation or annuloplasty

Cardioxyl® or Cardioflon® Evolution

Non-absorbable suture, polyester coated braid

- **Great gliding properties** in order to facilitate parachuting
- **Round end pledget** could be placed side by side on a curved line without any overlapping
- **Low shape memory thanks to Multipak®**
Specifically designed for procedure : 5 green + 5 white sutures per pack
- **KL needle** for calcified and sclerous tissues



2 sutures proposition depending on surgeon's reference :

The braid of **Cardioflon® Evolution** is tighter and less straight than Cardioxyl®



Cardioxyl® USP 2/0

- **Greater glide** in order to respect the tissues of the annulus and of the atrial endocardium.



Cardioflon® Evolution USP 2/0

- **Greater knot tensile strength**
- **Very strong hold** from 1st knot

Product's recommendation by Peters Surgical

Suture brand	USP	Needle tip	Needle curvature, Length	Suture length	Qty suture used
Cardioxyl® for Valve fixation	2/0	Round or KL	3/8c, 25 mm	75 to 90cm	18
Cardioflon® Evolution for Ring annuloplasty	2/0	Round or KL	3/8c, 26 mm	75 to 90cm	3

TOP ORDER CODES

73P30CA 2/0, 3/8 R, 25 mm, DA 90cm Pledget Multipak
73P30L : 2/0, 3/8 KL, 25 mm, DA 90cm Pledget Multipak

19S30AQ: 2/0, 3/8 KL, 25 mm, DA 75cm
19S20Q: 3/0, 3/8 KL, 25 mm, DA 75cm



Opening

CPB Setup



MICS



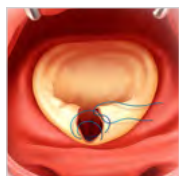
Closure



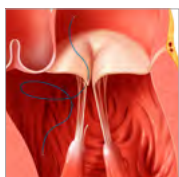
Leaflets or chordae repair

Cardionyl®

Non-absorbable suture, polyamide monofilament



- **High flexibility properties** taking into account the valve constraints, thanks to treated polyamide 6,6 thread.



- **Higher stress resistance** compared to the polypropylene and **higher elongation properties**¹ to repair the too long/short chordae

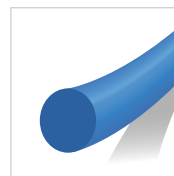


- **Available with or without preloaded pledget** (soft pledget Weavenit® or firm pledget Teflon®)

Aortic or atrium closure

Corolene®

Non absorbable suture, polypropylene monofilament



- **Great flexibility** & glide properties adapted to continuous suture
- **Knot tensile strength** is either higher or equivalent to competitors¹



- **Coropak® or 4-Pak®** Packaging «extended shuttle» to reduce shape memory and make needles access easier



- **KL needle** for better penetration of calcified aortic annulus
Extrablack® needle for improving visibility

Product's recommendation by Peters Surgical

Suture brand	USP	Needle tip	Needle curvature, Length	Suture length	Qty suture used
Cardionyl® for leaflets or chordae repair	4/0 or 5/0	Round	3/8c, 16 mm	75 to 90cm	2 to 3
Corolene® for atrium closure	4/0 or 5/0	Round or KL	3/8c, 18 to 26 mm	70 to 90 cm	2
Corolene® for aorta closure	4/0 or 5/0	Round or KL	3/8c, 18 to 26 mm	70 to 90 cm	2

TOP ORDER CODES

721072 : 5/0, 3/8 R, 16mm, DA 80cm
721812 : 4/0, 3/8 R, 20mm, DA 80cm

20S15D : 4/0, 3/8 KL, 26 mm, DA 75cm

20S15C : 4/0, 3/8 KL, 18 mm, DA 75cm

¹ Study SPS010-0308, Peters surgical R&D service. The data reported come from a study on an animal model (on anatomical subjects, in vitro, etc.), the observed effects of which cannot be extrapolated to a possible benefit in humans.



Opening

CPB Setup



MICS



Closure



Aortic Surgeries.

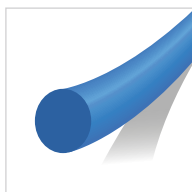
Anastomosis

Corolene®

Non absorbable suture, polypropylene monofilament



- **Coropak® or 4-Pak®**
Packaging «extended shuttle»
reduce all shape memory and make
needles access easier



- **Great flexibility** & glide properties
- **Knot strength** is either higher or
equivalent to competitors¹



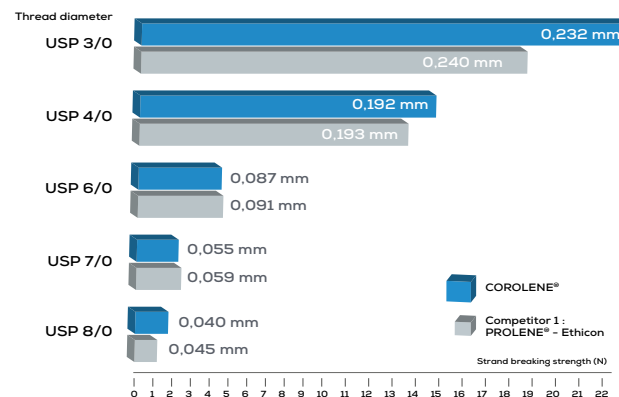
- **KL needle** for better penetration
of calcified aortic annulus
- **Extrablack® needle** for better
visibility



Coropak®

4-Pak®

Comparison of breaking strength
properties of polypropylene sutures¹



Product's recommendation by Peters Surgical

At least one per anastomosis	USP	Needle tip	Needle curvature, length	Suture length	Qty suture used
Thoracic aneurysm	3/0	Round or KL	1/2c or 3/8c, 22 to 26mm	75 cm	At least one per anastomosis
Dissection -Tyrone David	6/0 or 7/0	Round or KL	1/2c or 3/8c, 10 to 13mm	75 cm	At least one per anastomosis

TOP ORDER CODES

20S20E : 3/0, 1/2 R, 26 mm, 75 DA cm

20S07D : 6/0, 3/8 R, 13 mm, 75 DA cm

1. Study SPS008-1207EN, Peters surgical R&D service. The data reported come from a study on an animal model (on anatomical subjects, in vitro, etc.), the observed effects of which cannot be extrapolated to a possible benefit in humans.



Minimally Invasive Cardiovascular Surgeries.

CABG or heart valve surgery

Cardiovascular sutures for MICS

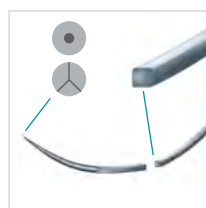
Large portfolio of non-absorbable sutures designed for each procedure

- Possible to personalize the specific sutures on request for the minimally invasive surgeries



Advanced A300 series needles adapted to MICS

- Square body for more resistance and stability in the needle holder
- Extrablack® needle for better visibility
- KL needle for better penetration of calcified aortic annulus



Product's recommendation by Peters Surgical

Procedure	Suture brand	Suture length	Needle length
Anastomosis	Corolene® 8/0	15 - 150 cm	5 - 75 cm
Anastomosis	Corolene® 4/0	15 - 150 cm	5 - 75 cm
Annuloplasty	Cardioxyll® 2/0	60 - 90 cm	10 - 25 cm
Mitral valves repair	Cardionyl® 5/0	10 - 90 cm	8 - 48 cm

Surgical flexible clamp Cygnet®



- **Flexible shaft** for maneuvering hard-to-reach surgical areas (see more information page 7)

SLS-Clip & Clip 9 Vitalitec®



- **Endoscopic appliers range** for mini-invasive approach



TOP ORDER CODES

Cartridge Medium	B9180	Height clip closed 5,6 mm
Endoscopic Clip Applier Medium	LCASLS4-1	Ø 10mm - length 33 cm
Cygnet® Aortic cross clamp	V-10142	66 mm straight jaw



Opening

CPB Setup



Closure



Congenital Heart Surgeries.

Prosthesis, patch suture and closure

Premio®

Non-absorbable suture, PVDF monofilament



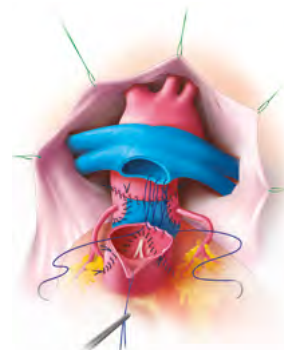
- **Great flexibility and high knot strength** over the years in order to tissues growth (PVDF properties)
- **Excellent glide** due to the manufacturing process with specific extrusion



- **Easier to handle and lower shape memory** with the sutures on reel

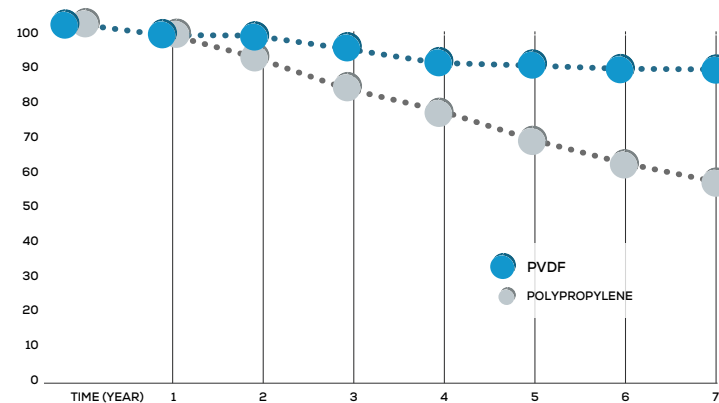


- Pre-loaded with **Weavenit®** (very soft pledget) or **soft Teflon®** pledget with various sizes



Comparison of residual tensile knot strength properties of polypropylene and PVDF sutures over the years ¹

Residual tensile knot strength (%)



Product's recommendation by Peters Surgical

Procedure	USP	Needle tip	Needle curvature, Length	Suture length	Qty suture used
ASD / VSD	5/0	Round or KL	3/8c, 13 mm	75 cm	3 - 18
Atrium / Ventricle closure	4/0	Round	1/2c, 13 mm	75 cm	2
Aorta closure (COA / PDA)	5/0 to 7/0	Round	1/2c, 18 to 26mm	75 cm	2

TOP ORDER CODES

26S10C: 5/0, 3/8 R, 13mm, DA 75cm

26S15X: 4/0, 1/2 R, 16mm, DA 75cm

26S10U: 5/0, 1/2 R, 18mm, DA 75cm

* ASD: ATRIAL SEPTAL DEFECT / VSD: VENTRICULAR SEPTAL DEFECT / COA: AORTIC COARCTATION / PDA: PERSISTENCE OF THE ARTERIAL DUCT
1. PVDF Monofilament sutures, Laroche G et al., Artificial organs -1995



Hemostasis

SLS-Clip & Clip 9 Vitalitec®

Pure titanium & atraumatic chevron-shaped clip



- **Clips sizes** adapted to perform hemostasis on various vessel configurations.



- **Non-slip closure on the vessels** thanks to interlocking atraumatic teeth and internal structure made up of small diamond shape



- Specific treatment and shape of the applier jaw inner surface to help **secure the grip of the clip** in the applier until applied to a vessel

Product's recommendation by Peters Surgical

TOP ORDER CODES

■ Small/Medium
 ■ Small
 ■ Small
 ■ Micro

L9180

R9180

J9180

W9060

4,7 mm**

3,6 mm**

3,6 mm**

2,6 mm**

** Height clip closed

Aorta clamping

Cygnnet® & Intrack®

Surgical flexible clamp and atraumatic single-use inserts



33 mm Insert length

Length clamp: 39 cm

(For more information about Intrack® inserts, see page 7)

Multipurpose clamp

Multiple choice of handle configurations and jaw orientations



Arched handle • Angled 55°
Length clamp: 16.5 cm



Straight handle • Angled 55°
Length clamp: 17 cm

TOP ORDER CODES

V-10183 : Cygnnet®, 33 mm straight jaw

N-10109V : Multipurpose clamp, 33 mm straight jaw

N-10176V : Intrack® Inserts Ultra, 33 mm



Opening

CPB Setup



MICS



Closure

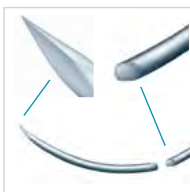


Closure.

Sternal closure

Acier

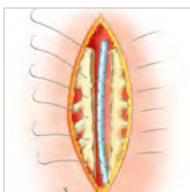
Non-absorbable suture, stainless steel



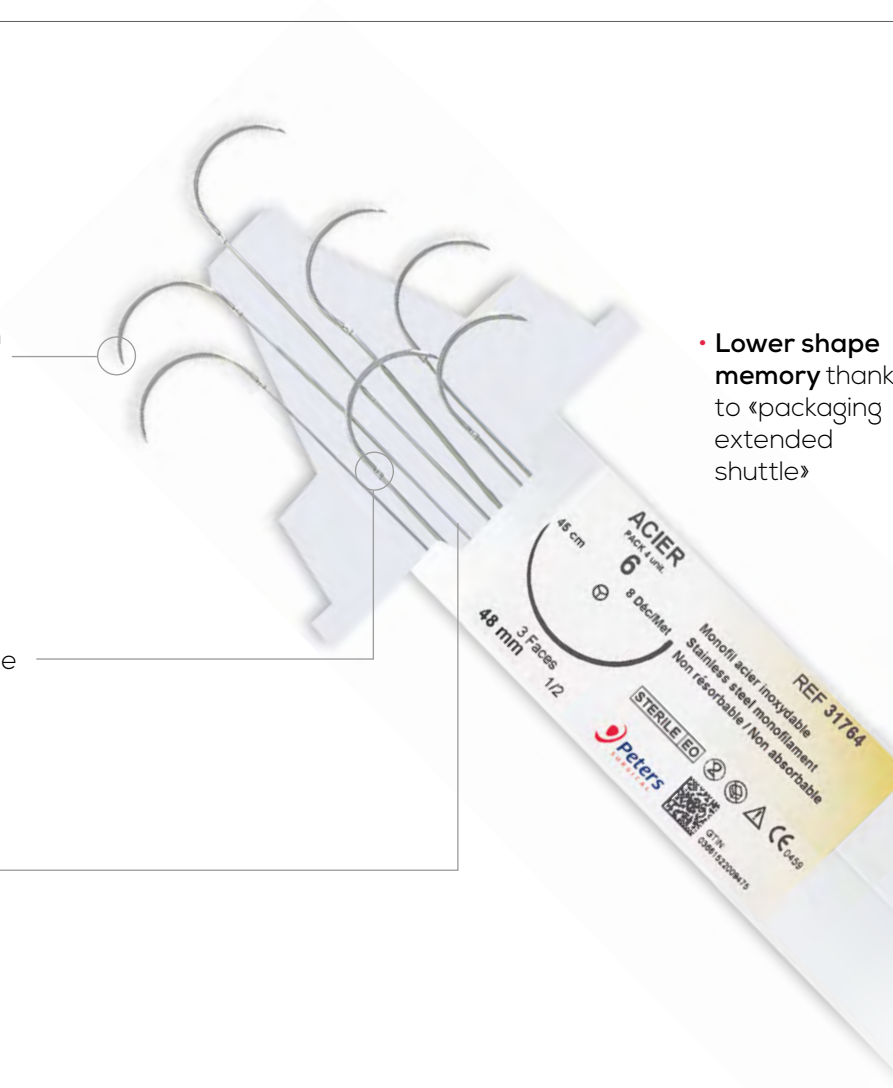
- **Excellent tissue penetration and great flexibility** thanks to 3 faces needle tip and the thread made by highest quality of stainless steel - 316 LVM



- **Greater needle attachment** by specific crimping technique with 8 points



- **Wide range with packs of 1-8 units** adapted to procedure needs.



- **Lower shape memory** thanks to «packaging extended shuttle»

Product's recommendation by Peters Surgical

Suture brand	USP	Needle tip	Needle curvature, Length	Suture length	Qty suture used
Acier/steel	5 to 6	3 faces	1/2c, 48 mm	45 cm	6 to 8

TOP ORDER CODES

31760	Acier 6	1/2 3F, 48 mm, 45 cm, Pack of 7
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Final closure

Full portfolio of sutures for closure with advanced A300 series needle

Pericardium, muscle, fascial, subcutaneous closure



Optime®

Absorbable suture
Polyglycolic Acid (PGA)
coated braid

- High initial strength :
Approximatively 65% after
14 days post-implantation
(in vivo).
- Time of total loss of
resistance: 28-35 days
- Total absorption: 60-90 days

Drain fixation



Polytresse®

Non-absorbable suture
Coated polyester braid

- Very good knot strength to
prevent suture tear/fracture
- Great glide thanks to silicone
coating

Skin closure



Filapeau®

Non-absorbable suture
Polyamide monofilament

- Great glide and flexibility
- Low shape memory
- Available on undyed



Advantime®

Absorbable suture
Poliglecaprone 25
(PGA-CL25)

- Available with Extracut® - cutting
needle with precision point
- Less trauma and greater glide
- Time of total loss of resistance:
21-28 days
- Total absorption: 90-120 days

Product's recommendation by Peters Surgical

TOP ORDER CODES

18S30F	Pecardium closure	Optime® 2/0	1/2 R, 30 mm, 75 cm
18S40AC	Muscle/fascial closure	Optime® 1	1/2 KL, 30 mm, 75 cm
18I30AM	Subcutaneous closure	Optime® 2/0	3/8 T, 19 mm, 75 cm

TOP ORDER CODES

15D20E	Skin closure	Advantime® 3/0	3/8 XT-Cutting, 19 mm, 70 cm
87300	Skin closure	Filapeau® 3/0	3/8 T, 20 mm, 90 cm
91S35A	Drain fixation	Polytresse® 0	1/2 OSH-Cutting, 22 mm, 75 cm



Opening

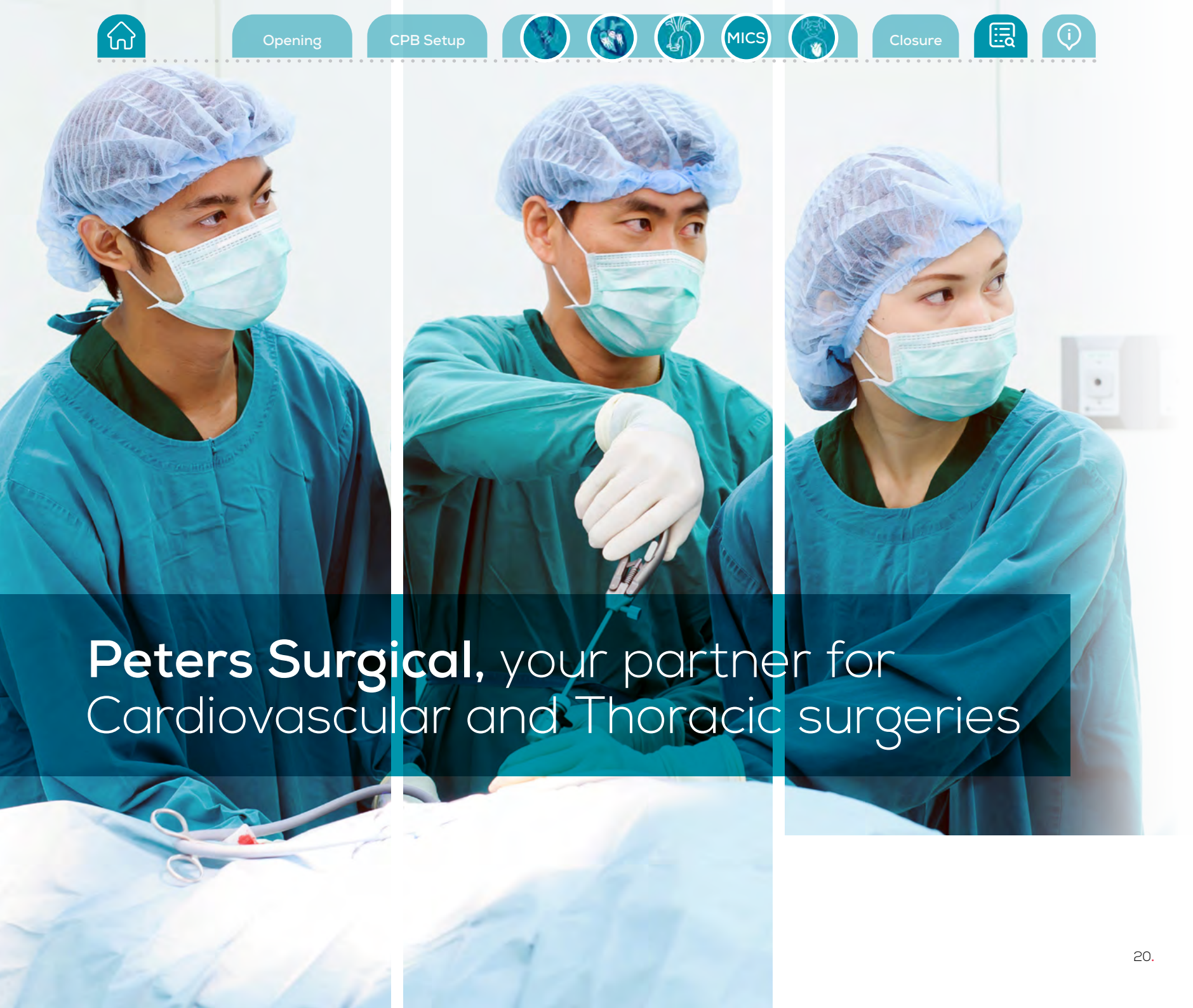
CPB Setup



MICS



Closure



Peters Surgical, your partner for
Cardiovascular and Thoracic surgeries



Solutions corresponding to Cardiovascular surgeons needs *.

Procedural step	Sutures	Clips		VTO		Anastomosis Assist Device for Beating-Heart
		Titanium SLS-Clip/Clip 9	Spring Clip (Bulldogs)	Inserts	Clamp	
Opening and Exposure of the heart	Polytresse®	Clip Various sizes	-	-	-	-
Cannulation - CPB	Cardioxyl® Cardioflon® Evolution	-	-	-	-	-
Coronary Bypass on-pump	Corolene® Premio®	Clip Various sizes	Novaclip® Sofia® Greyhound®	Intrack®	Cygnnet® Bahnson clamp	-
Coronary Bypass off-pump	Corolene® Premio®	-	-	Intrack®	Cygnnet® Lambert-Kay clamp	Enclose®II
Valves Repair & Replacement	Cardioxyl® Cardioflon® Evolution Cardionyl® Corolene® / Premio®	-	-	-	-	-
Aorta Surgeries	Corolene® Premio®	-	-	Intrack®	Cygnnet® Bahnson clamp	-
MICS	Cardioxyl® Cardioflon® Evolution Cardionyl® Corolene®	Clip - Various sizes Endoscopic applier	Novaclip® Sofia® Greyhound®	Intrack®	Cygnnet® Clamp	-
Congenital Heart Surgery	Premio®	Clip - Various sizes Endoscopic applier	-	Intrack®	Cygnnet® Multipurpose clamp	-
Closure	Acier Optime® Polytresse® Advantime® / Filapeau®	-	-	-	-	-

*Product's choice depends on surgeon's technique and patient clinical picture. Surgical procedures are documented in dedicated product clinical evaluation. Please read IFU carefully before use



References.

Absorbable Sutures.

Optime®^{1a}

The synthetic absorbable surgical sutures Optime® are indicated for use in general tissue approximation and/or ligation, including use in ophthalmic surgery.

Advantime®^{1a}

The synthetic absorbable surgical sutures Advantime® are indicated for use in general soft tissue approximation and/or ligation where an absorbable suture is indicated.

Non-Absorbable Sutures.

Corolene®^{1a}

Corolene® sutures are intended for use in general soft tissue approximation and/or ligation, including use in cardiovascular and vascular surgery, in ophthalmic surgery, in plastic surgery and in neurological surgery. Corolene® sutures can be used for laparoscopic surgery and abdominal aorta surgery.

Premio®^{1a}

Premio® sutures are intended for use in general soft tissue approximation and/or ligation, including use in cardiovascular, vascular and neurological surgery.

Cardioxyl®^{1a}

Cardioxyl® sutures are intended for use in general soft tissue approximation and/or ligation, including use in cardiovascular, vascular and ophthalmic surgeries.

Cardioflon® Evolution^{1a}

Cardioflon® Evolution sutures are intended for use in general soft tissue approximation and/or ligation, including use in cardiovascular, vascular and ophthalmic surgeries.

Cardionyl®^{1a}

Cardionyl® sutures are intended for use in general soft tissue approximation and/or ligation, including use in cardiovascular, vascular, ophthalmic and neurological surgery.

Acier^{1c}

Acier sutures are intended for use in thoracic and cardiothoracic surgery (sternum closure) and in orthopaedic surgery.

Filapeau®^{1a}

Filapeau® sutures are intended for use to suture superficial cutaneous skin and in plastic surgery.

Polytresse®^{1a}

Polytresse® sutures are intended for use in general soft tissue approximation and/or ligation, including use in orthopaedic surgery, in cardiovascular and vascular surgery and in ophthalmic surgery.

Clips-VTO.

Titanium Hemostatic Clips SLS-CLIP®

Vitalitec® & Clip 9 Vitalitec®^{1a}

Titanium Hemostatic Clips can be used in every surgical specialty when complete occlusion of a vessel or tissue is required, except for Fallopian Tube Ligation.

Vitalitec® Hemostatic Clip appliers⁷

Vitalitec® Hemostatic Clip appliers are intended for the loading, holding and optimal closure of Vitalitec® Titanium Hemostatic clips.

Vitalitec® Endoscopic Clip appliers⁸

Vitalitec® Endoscopic Clip appliers are intended for the loading, holding and optimal closure of Vitalitec® Titanium Hemostatic clips.

Intrack® Surgical Clamp²

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.

Intrack® Inserts¹⁹

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.

Cygnets® Flexible Clamp²

The Cygnets® clamps are indicated for use in cardiovascular, peripheral vascular and general surgical procedures. They are used for temporary occlusion of all types of arteries and veins, including aorta clamping during mini-thoracotomy cardiac surgery. The Cygnets® clamps must exclusively be loaded with single use Intrack® inserts prior to use.

**Greyhound® Adjustable Spring Clip¹⁹**

The Greyhound® Adjustable Spring Clip is indicated for use in peripheral vascular, cardiovascular and general surgery. Greyhound® is used for temporary occlusion of blood vessels. It is suitable for veins and arteries, provides occlusion of atherosclerotic vessels or normal vessels and may be used over indwelling catheters. Greyhound® may be used for temporary occlusion of the autogenous saphenous vein during coronary bypass surgery. Greyhound® may also be used as a suture tag.

Novaclip® Surgical spring clip¹⁹

The Novaclip® Surgical Spring Clip is indicated for use in peripheral vascular, cardiovascular and general surgery. Novaclip® is used for temporary occlusion of blood vessels. It is suitable for veins and arteries, provides occlusion of atherosclerotic vessels or normal vessels and may be used over indwelling catheters. Novaclip® may be used for temporary occlusion of the autogenous saphenous vein during coronary bypass surgery. Novaclip® may also be used as a suture tag

Atraumatic spring clips Sofia Vitalitec®^{1b}

The bulldog spring clips were specifically designed for temporary occlusion of vessels. They are intended for use by professionals trained in surgical techniques and can be used in all surgical specialties requiring temporary occlusion of vessels and tubal structures, for any type of patient. They are single-use devices. Their jaw gap is 7 mm and they can be set up with a specific Peters Surgical applier. The jaws are made of medical grade polycarbonate, overmolded with soft elastomeric pads to reduce the risk of vascular trauma as far as possible. Three intensities of clamping forces are available (1/4 Force, 1/2 Force, 3/4 Force). It is incumbent upon the user to select the best suited clamping force for the surgical procedure. Note: these devices may also be used as suture tags.

Enclose® II Anastomosis Assist Device¹⁹

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.

- 1a. Medical Device Class III
CE 0459
Manufacturer: Peters Surgical.
- 1b. Medical Device Class IIa
CE 0459
Manufacturer: Peters Surgical.
- 1c. Medical Device Class IIb
CE 0459
Manufacturer: Peters Surgical
- 2. Medical Device Class I
Manufacturer: Vitalitec International Inc.
- 7. Medical Device Class I
Manufacturer: Peters Surgical.
- 8. Medical Device Class I
Manufacturer: Vitalitec International
Medizintechnik GmbH.
- 19. Medical Device Class IIa
CE 2797
Manufacturer: Vitalitec International Inc



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Presentation dedicated to Peters Surgical employees, distributors and healthcare professionals.
Carefully read the Instructions For Use of medical device before use.



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