

PULSE



Cardiac Consumables

Advanced, accessible, and reliable medical technologies—designed for better patient outcomes across every level of care.

INTRODUCTION

At PULSE, our specialty-focused approach is rooted in the understanding that modern healthcare delivery is no longer siloed it is interconnected, technology-driven, and outcome-oriented. Each specialty today demands not only clinical excellence but also seamless integration of medical devices, digital technologies, consumables, and supply chain efficiencies. We bring together these dimensions into a unified, scalable model that supports healthcare providers in delivering consistent, high-quality patient care.

PULSE supports comprehensive cardiology ecosystems by integrating **diagnostic, interventional, and post-procedural care solutions**. Cardiology today demands precision, speed, and seamless coordination between imaging, intervention, and patient monitoring systems and our approach addresses each of these dimensions.

In the diagnostic and interventional space, we work with technologies such as **cardiac catheterization labs (Cath Labs), intravascular imaging systems (IVUS/OCT), and hemodynamic monitoring platforms**. These are complemented by a full range of interventional products including **drug-eluting stents (DES), bare-metal stents, angioplasty balloons, drug-coated balloons, guidewires, guiding catheters, introducer sheaths, and contrast delivery systems**.



OPTIMA Inflation Device

Our OPTIMA Inflation Device allows for one-handed inflation of vascular & Coronary balloons.

The OPTIMA Inflation Device (Box of 1)						
CATALOG	PRESSURE	RANGE (ATM)	BARREL VOLUME	DISPLAY TYPE	LATCH TYPE	THREADS STOPCOCK TYPE
INFGN30K	0-30		20mL	Analog Gun	Winged locking 12 per inch engaged	3-way
INFPN30K	0-30		20mL	Analog Plunger	Winged locking 12 per inch engaged	3-way
INFHN30K	0-30		20mL	Analog Hybrid	Winged locking 12 per inch engaged	3-way

OPTIMA Inflation Device Kit

Each kit includes hemostasis valve, guidewire insertion tool, and torque device.

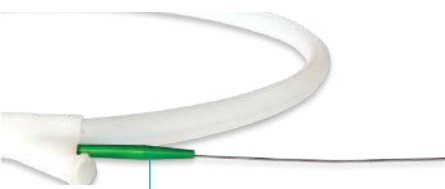
EKM Inflation Device Kit (Box of 5)	
CATALOG #	DESCRIPTION
194101	30 atm inflation device with analog display and 3-way stopcock GunType



AcuSafe Introducer Sheaths/Needles (ISN)

The ISN quickly and smoothly provides access for placement of up to a .038 guidewire in non-vascular procedures.

Introducer Sheaths/Needles (Box of 10)			
CATALOG #	GAUGE X LENGTH	SHEATH	MAX GUIDEWIRE SIZE
ISN1915	19G x 15cm	5F	.038"
ISN1920	19G x 20cm	5F	.038"



Available with stainless steel or nitinol guidewires

Large endhole design allows the sheath to accept .018" and .038" guidewires simultaneously to maintain access

Echogenic needle tip for accurate placement during ultrasound guidance

Embedded radiopaque marker located at the tip of the sheath to enhance visualization

4F dilator and 6F sheath assembly includes a locking stiffening cannula to facilitate easy over-the-wire placement



AcuSafe (ISN) Introducer Sets (Box of 5)	
CATALOG #	DESCRIPTION
651506000	4F dilator/6F x 18cm co-axial introducer, .018" x 80cm stainless steel guidewire with radiopaque tip, 21G x 15cm trocar needle
651506300	4F dilator/6F x 18cm co-axial introducer, .018" x 80cm nitinol guidewire with radiopaque tip, 21G x 15cm trocar needle
651006000	4F dilator/6F x 18cm co-axial introducer, .018" x 80cm stainless steel guidewire with platinum tip, 21G x 15cm trocar needle
651006300	4F dilator/6F x 18cm co-axial introducer, .018" x 80cm nitinol guidewire with platinum tip, 21G x 15cm trocar needle

AcuSafe Blunt Needle Access System

Blunt Needles offer sharp and blunt stylets for controlled access in percutaneous drainage procedures.

AcuSafe Blunt Needle Access System (Box of 5)	
CATALOG #	GAUGE X LENGTH
218107	18G x 10cm
218157	18G x 15cm
218207	18G x 20cm



Introducer Kit & Arterial Needles

Introducer Set & Arterial Needles

AcuSafe Micro - Access Introducer Kits

AcuSafe Micro-Access Introducer Kits combine Pulse micro puncture set and valved introducer into one convenient kit. The AcuSafe Micro-Access Introducer Kit allows for time and procedural step reduction by including a 21G needle, a 0.018 guidewire, and various size and length sheath options.



AcuSafe Micro-Access Introducer Kit w/ Stainless Steel Wires (Box of 10)

CATALOG #	SHEATH			GUIDEWIRE		NEEDLE	
	SIZE	LENGTH	HUB COLOR	DIAMETER x LENGTH	CORE/TIP MATERIAL	GAUGE x LENGTH	ECHOGENIC
497850	6F	5.75cm	Green	.018" x 45cm	SS/SS	21G x 5.1cm	No
497854	6F	5.75cm	Green	.018" x 45cm	SS/SS	21G x 7cm	No
497863	7F	5.75cm	Orange	.018" x 45cm	SS/SS	21G x 5.1cm	No
497852	8F	5.75cm	Blue	.018" x 45cm	SS/SS	21G x 5.1cm	No
497820	4F	11cm	Red	.018" x 45cm	SS/SS	21G x 7cm	No
497845	5F	11cm	Gray	.018" x 45cm	SS/SS	21G x 2.5cm	No
497830	5F	11cm	Gray	.018" x 45cm	SS/SS	21G x 7cm	No
497840	6F	11cm	Green	.018" x 45cm	SS/SS	21G x 7cm	No
497861	7F	11cm	Orange	.018" x 45cm	SS/SS	21G x 7cm	No
497862	8F	11cm	Blue	.018" x 45cm	SS/SS	21G x 7cm	No

AcuSafe Micro-Access Introducer Kit w/ Nitinol Wires (Box of 10)

CATALOG #	SHEATH			GUIDEWIRE		NEEDLE	
	SIZE	LENGTH	HUB COLOR	DIAMETER x LENGTH	CORE/TIP MATERIAL	GAUGE x LENGTH	ECHOGENIC
497868	4F	5.75cm	Red	.018" x 40cm	NT/PD	21G x 2.5cm	No
497865	5F	5.75cm	Gray	.018" x 40cm	NT/PD	21G x 2.5cm	No
497864	6F	5.75cm	Green	.018" x 40cm	NT/PD	21G x 2.5cm	No
497853	6F	5.75cm	Green	.018" x 40cm	NT/PD	21G x 5.1cm	No
497867	7F	5.75cm	Green	.018" x 40cm	NT/PD	21G x 2.5cm	No
497821	4F	11cm	Orange	.018" x 40cm	NT/PD	21G x 7cm	No
497831	5F	11cm	Gray	.018" x 40cm	NT/PD	21G x 7cm	No
497841	6F	11cm	Green	.018" x 40cm	NT/PD	21G x 7cm	No
497844	6F	11cm	Green	.018" x 40cm	NT/PD	21G x 5.1cm	No

Acusafe Micro-Access Introducer Kit (Box of 10)

CATALOG #	SHEATH			GUIDEWIRE		NEEDLE	
	SIZE	LENGTH	HUB COLOR	DIAMETER x LENGTH	CORE/TIP MATERIAL	GAUGE x LENGTH	ECHOGENIC
497860	7F	5.75cm	Orange	.018" x 40cm	NT/PD	21G x 7cm	Yes
497858	4F	11cm	Red	.018" x 45cm	SS/SS	21G x 7cm	Yes
497857	4F	11cm	Red	.018" x 40cm	NT/PD	21G x 7cm	Yes
497859	5F	11cm	Gray	.018" x 40cm	NT/PD	21G x 7cm	Yes
497856	6F	11cm	Green	.018" x 45cm	SS/SS	21G x 7cm	Yes
497855	6F	11cm	Green	.018" x 40cm	NT/PD	21G x 7cm	Yes

SS = Stainless Steel

NT = Nitinol

PT = Platinum

PD = Palladium

AcuSafe Introducer Kits for Venous Access

AcuSafe Introducer Kit (Box of 5)						
CATALOG #	SIZE	SHEATH		DIAMETER x LENGTH	GUIDEWIRE	NEEDLE
		LENGTH	HUB COLOR		TIP SHAPE	GAUGE x LENGTH
496141	5F	11cm	Gray	.028" x 60cm	Double-ended, 3mmJ & Straight	19G x 3.8cm
496142	6F	11cm	Green	.035" x 50cm	Straight	18G x 7.0cm

Kit Contents:

- (1) Disposable Towel
- (3) 4" x 4" Gauze Sponges
- (1) Vessel Dilator
- (1) #11 Mini Scalpel
- (1) 22G x 1.5" (3.8cm) Needle
- (1) 5cc Syringe
- (1) Radiopaque Sheath
- (1) Arterial Needle, Clear Hub
- (1) Guidewire (as specified in chart above)



Introducer Set & Arterial Needles

AcuSafe Arterial Needles

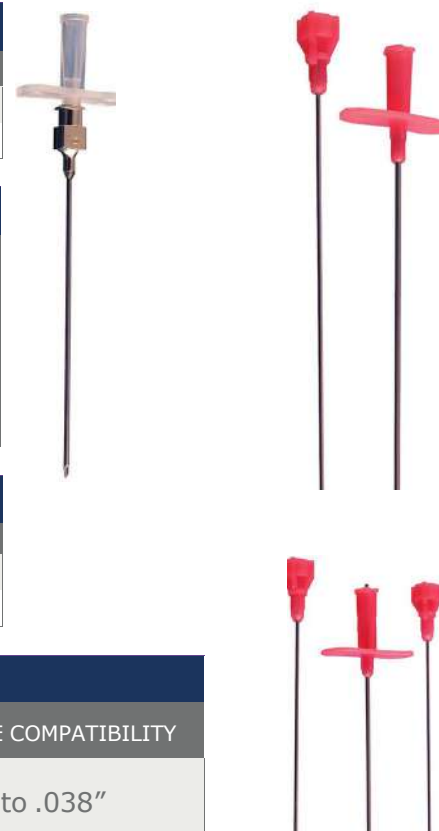
Arterial Needle with removable Needle Adapter (Box of 10)			
CATALOG #	GAUGE x LENGTH	GUIDEWIRE COMPATIBILITY	SPECIAL FEATURES
195312	18G x 7cm	up to .038"	
195311	21G x 2.5cm	up to .021"	

Clear Flashback Needle (Box of 10)			
CATALOG #	GAUGE x LENGTH	GUIDEWIRE COMPATIBILITY	SPECIAL FEATURES
195317	18G x 3.8cm	up to .038"	
195318	18G x 7cm	up to .038"	
195355	19G x 7cm	up to .035"	
195322	21G x 2.5cm	up to .021"	
195323	21G x 5.1cm	up to .021"	

Winged Arterial Needle (Box of 10)			
CATALOG #	GAUGE x LENGTH	GUIDEWIRE COMPATIBILITY	SPECIAL FEATURES
195352	18G x 7cm	up to .038"	
195330	19G x 7cm	up to .035"	Extra thin wall

Percutaneous Entry Needles (Box of 10)			
CATALOG #	DESCRIPTION	GAUGE x LENGTH	GUIDEWIRE COMPATIBILITY
195326	Percutaneous Entry Needle (Two-Part Thin Wall Tapered Cannula and Inner Arterial Beveled Stylet)	18 x 7.3cm	up to .038"

Cournand Style Needles (Box of 10)			
CATALOG #	DESCRIPTION	GAUGE x LENGTH	GUIDEWIRE COMPATIBILITY
195350	Modified Cournand Style Needle (Two-Part: Outer Thin Wall Tapered Cannula and Inner Arterial Beveled Needle)	18 x 5.4cm	up to .038"



AcuSafe Guidewire Introducer Needles

AcuSafe Guidewire Introducer Needles are designed for anterior, single wall, arterial percutaneous punctures. The tapered luer hub allows for easy guidewire insertion.

AcuSafe Guidewire Introducer Needle (Box of 25)			
CATALOG #	GAUGE X LENGTH	GUIDEWIRE COMPATIBILITY	SPECIAL FEATURE
GW11802	18G x 7cm	up to .038"	
GW11902	18G x 7cm	up to .038"	
GW11802WW	18G x 7cm	up to .038"	clear window wall hub
BGWI1802	18G x 7cm	up to .038"	winged base plate
BGWI1902	19G x 7cm	up to .035"	winged base plate



Seldinger Needles

Seldinger Needles are designed for easy, atraumatic, percutaneous arterial puncture.

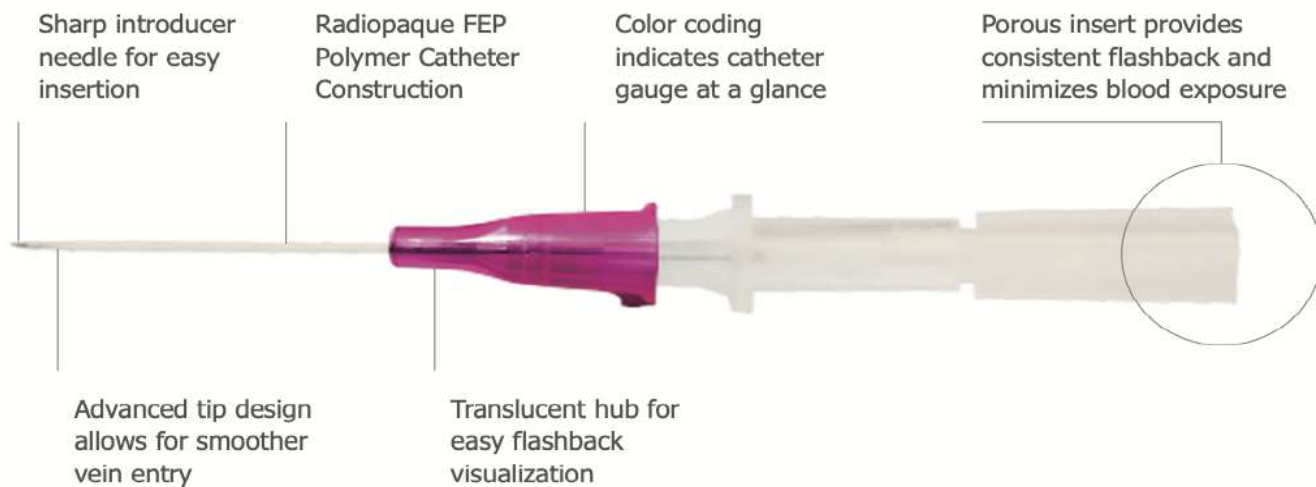
Seldinger Needle (Box of 25)			
CATALOG #	GAUGE x LENGTH	GUIDEWIRE COMPATIBILITY	STYLET COLOR
SN1802	18G x 7cm	up to .038"	
SN1902	19G x 7cm	up to .035"	



Vessel Dilators

Vessel Dilators (Box of 10)				
CATALOG #	SIZE	LENGTH	GUIDEWIRE COMPATIBILITY	TIP
392299	4F	13.2cm	.032" - .035"	Standard Taper
392354	4F	19.8cm	.018" - .021"	Feathered Tip
392355	5F	19.8cm	.018" - .021"	Feathered Tip
392356	6F	19.8cm	.018" - .021"	Feathered Tip
392310	5F	19.8cm	.035" - .038"	Standard Taper
392305	6F	19.8cm	.035" - .038"	Standard Taper
392306	7F	19.8cm	.035" - .038"	Standard Taper
392307	8F	19.8cm	.035" - .038"	Standard Taper
392309	9F	19.8cm	.035" - .038"	Standard Taper

AcuSafe I.V. Catheter & Cannula



Sharp, beveled needle tip delivers consistent, easy insertions

- Thin wall design with 3 Radiopaque Lines catheter provides high flow rates allowing for the use of a smaller gauge device and Wires.
- FEP polymer catheter and Lancet type needle design allows reduction of insertion force which minimizes patient discomfort and Pain.
- Consistent trim accuracy helps to improve vessels access.

Trusted by healthcare professionals for over 30 years

- AcuSafe IV Catheters are also used in pediatric/ neonates for the high flow rates moreover for Radial Puncture.
- ORs use AcuSafe IV Catheters for their quick flash, high flow rates, and ease of use for arterial lines and for I.V. access
- A high-performance product from the brand that world can trust, AcuSafe

AcuSafe IV Catheter	Radiopaque FEP polymer, straight hub		
Gauge and Length	IV Catheter REF Code	Introducer Needle REF Code.	Box Size
18G x 32mm	TC1832		50
18G x 45mm	TC1845	TN1845	50
18G x 70mm		TN1870	50
20G x 32mm	TC2032		50
20G x 45mm	TC2045		50
20G x 70mm		TN2070	50
21G x 40mm		TN2140	50
24G x 19mm	TC2419		

Advancing the needle designs with the highest standards you've come to expect

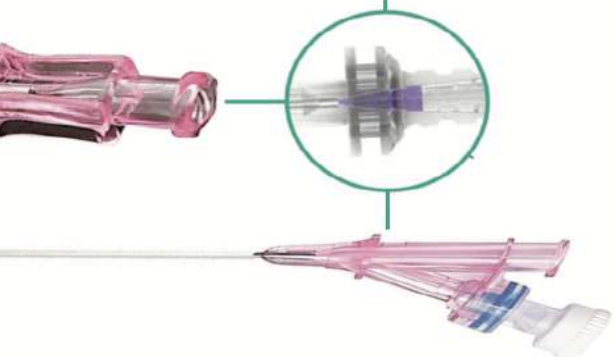
Pulse AcuSafe needles combine an ergonomic hub, Silicon coated stainless steel and tip sharpness with top clinical performance. Our AcuSafe 2- and 3-part needles offered in standard, Seldinger or Courmand shields incorporate a blunt cannula with a solid or hollow cutting stylet. When clinician safety matters, choose our Advance AcuSafe needle.

Benifits

- Unique hub design with ergonomic feel and reference point to orient bevel.
- With Lancet cut Increased sharpness to facilitate entry into tissue and vessel walls.
- Designed for smooth guide wire insertion and removal of the needle over the wire.
- 18G needles have approximately 20% less drag than leading competitor.
- Ergonomic hub with reference point to orient bevel. Smooth guide wire insertion and removal

The Hub Design

Designed for rapid detection of even the smallest quantities of CSF Reduced inner space



Transparent Hub

Clear, magnifying needle hub allows for easy visualisation of blood or Guide wire and easier detection of Flashback

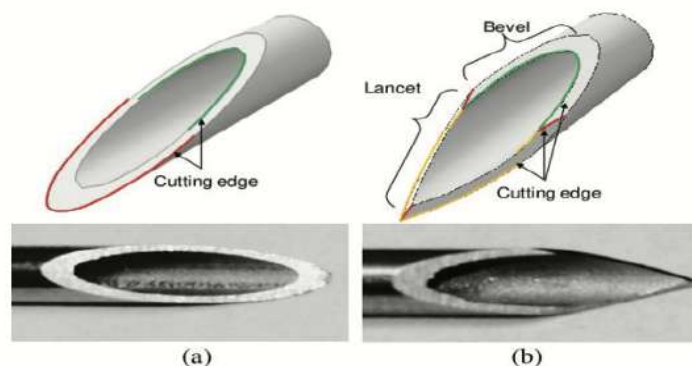
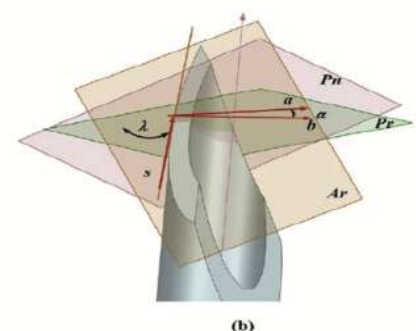
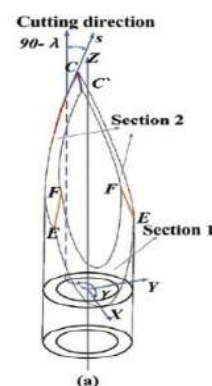


Figure 1 CAD and actual models of (a) bias bevel and (b) lancet tip needle



- **Manifolds**
- **Control Syringes**
- **Medication Syringes**
- **Medication Labeling Kit**
- **High Pressure Injection Lines**
- **Pressure Monitoring Lines**
- **Contrast Management Systems & IV Spikes**
- **Waste Management Systems**

Fluid Management

OPTIMA Manifolds

- For Low & High pressure injections
- Smooth-turning handles
- Very large internal manifold lumen (2.3mm diameter) for high flow rates
- Pressure rating based on Pulse sterilization cycle
- All items packed sterile
- Latex free
- Visible handle makes the flow control easy and accurate
- On / Off types are available for different user habits



Technical Parameters

Side Ports	One / Two / Three
Pressure	500psi
Valve Type	On / Off
Extension Tubing	Optional
Sterilization	ETO

Ordering Information

Catalogue No.	Pressure	Side Port	Valve Type	Extension Tubing
LPJD502N	500psi	2	On	/
LPJD502F	500psi	2	Off	/
LPJD503N	500psi	3	On	/
LPJD503F	500psi	3	Off	/
LPJD503NX	500psi	3	On	Included
LPJD503FX	500psi	3	Off	Included

Fluid Management

High Pressure Injection Lines - 1200psi

Flexible Braided (Box of 25)							
DESCRIPTION	10" LENGTH (25CM)	20" LENGTH (50CM)	30" LENGTH (76CM)	48" LENGTH (122CM)	60" LENGTH (152CM)	72" LENGTH (183CM)	96" LENGTH (244CM)
Male to Female	193358	193359		193361		193377	193381
Rotating Adapter	193362	193363	193364	193365	193375	193378	193382

Clear PVC (Box of 25)						
DESCRIPTION	10" LENGTH (25CM)	20" LENGTH (50CM)	30" LENGTH (76CM)	48" LENGTH (122CM)	60" LENGTH (152CM)	72" LENGTH (183CM)
Male to Female				193353	193374	
Rotating Adapter		193355	193356	193357		



Pressure Monitoring Lines

Flexible Braided (Box of 25)				
DESCRIPTION	6" LENGTH (15CM)	12" LENGTH (30CM)	24" LENGTH (61CM)	36" LENGTH (91CM)
Male to Female	040100005A	040101005A	040102005A	040103005A
Male to Male	040200005A	040201005A	040202005A	0402030005A

Clear PVC (Box of 25)				
DESCRIPTION	48" LENGTH (122CM)	60" LENGTH (152CM)	72" LENGTH (183CM)	96" LENGTH (244CM)
Male to Female	040104005A	040105005A	040106005A	040108005A
Male to Male	040204005A	040205005A	040206005A	040208005A

Arterial Lines

Arterial Catheter Mini-Kits

Arterial Catheter Mini-Kits (Box of 10)				
CATALOG #	CATHETER	LENGTH	GUIDEWIRE DIAMETER X LENGTH	NEEDLE GAUGE X LENGTH
498107	20G	7.6cm	.021" x 25cm	21G x 2.5cm
498101	20G	15cm	.021" x 40cm	21G x 5.1cm
498105	18G	15cm	.028" x 40cm	19G x 5.7cm

Kit Contents:

- 1 Radiopaque FEP Catheter With Female Luer Hub
- 1 Guidewire (Fixed Core/Stainless Steel/Straight Tip)
- 1 Arterial Needle, Clear Flashback HUB

Arterial Catheter Kits

Arterial Catheter Kits (Box of 10)				
CATALOG #	CATHETER	LENGTH	GUIDEWIRE DIAMETER X LENGTH	NEEDLE GAUGE X LENGTH
498106	20G	7.6cm	.021" x 25cm	21G x 2.5cm
498100	20G	15cm	.021" x 40cm	21G x 5.1cm
498110	18G	7.6cm	.028" x 25cm	19G x 3.8cm
498104	18G	15cm	.028" x 40cm	19G x 5.7cm

Kit Contents:

- 1 Disposable Towel
- 1 5cc Syringe
- 1 #11 Mini Scalpel
- 3 4" x 4" Gauze Sponges
- 1 9" (23cm) PVC Extension with Stopcock
- 1 Radiopaque FEP Catheter With Female Luer Hub
- 1 000 Silk Suture
- 1 Arterial Needle, Clear Flashback Hub
- 1 Guidewire (Fixed Core/Stainless Steel/Straight Tip)

Arterial Catheter Trays

Arterial Catheter Tray (Box of 10)				
CATALOG #	CATHETER	LENGTH	GUIDEWIRE DIAMETER X LENGTH	NEEDLE GAUGE X LENGTH
498411B	20G	7.6cm	.021" x 25cm	21G x 2.5cm
498410B	20G	15cm	.021" x 40cm	21G x 5.1cm
498412B	18G	15cm	.028" x 40cm	19G x 5.7cm

Tray Contents:

- | | |
|--|---|
| 1 Fenestrated Drape 22" x 22" (56cm x 56cm) With Ripline | 1 #11 Mini Scalpel |
| 3 4" x 4" Gauze Sponges | 1 Radiopaque FEP Catheter With Female Luer Hub |
| 4 2" x 2" Gauze Sponges | 1 Arterial Needle, Clear Flashback Hub |
| 1 Povidone/Iodine Ointment | 1 5cc Syringe |
| 1 000 Silk Suture | 1 Guidewire (Fixed Core/Stainless Steel/3mm J and Straight Tip) |
| 1 5cc Ampule 1% Lidocaine HCL | 1! 25G x 5/8" (1.6cm) Needle |

OPTIMA

Radial Artery Compression Band

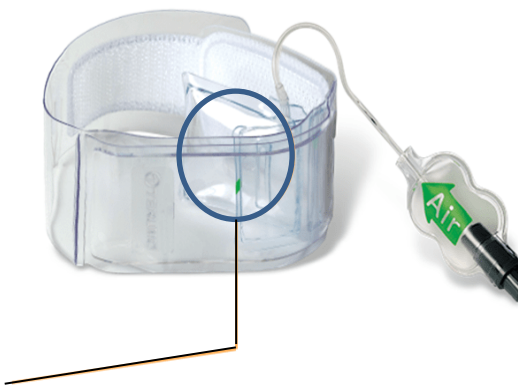
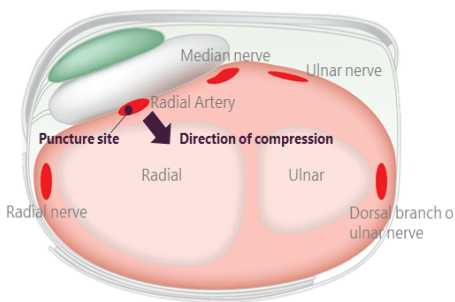


Features:

- Specially designed for radial artery hemostasis of post percutaneous puncture.
- Transparent material ensures clear visual control of hemostasis procedure.
- Unilateral valve connected to the balloon allows of accurate pressure adjustment to provide personalized hemostasis procedure.
- Adjustable band length is convenient to fit for patient's comfort.
- Stopcock on syringe helps with easy and accurate deflation.



	Structure	(cm)	Volume (mL)	
IMRP15S	1	21	15	Push-pull
IMRP15	1	24.5	15	Push-pull
IMRP15L	1	27	15	Push-pull
IMRP15XL	1	29	15	Push-pull
IMRP20S	2	21	20	Push-pull
IMRP20	2	24.5	20	Push-pull
IMRP20L	2	27	20	Push-pull
IMRP20XL	2	29	20	Push-pull
YPR15S	1	21	15	Luer
YPR15	1	24.5	15	Luer
YPR15L	1	27	15	Luer
YPR15XL	1	29	15	Luer
YPR20S	2	21	20	Luer
YPR20	2	24.5	20	Luer





Effectively minimize blood loss and provide a smooth channel for interventional device delivery.

- Easy push-pull mechanism allows to operate with one hand.

Ordering Information

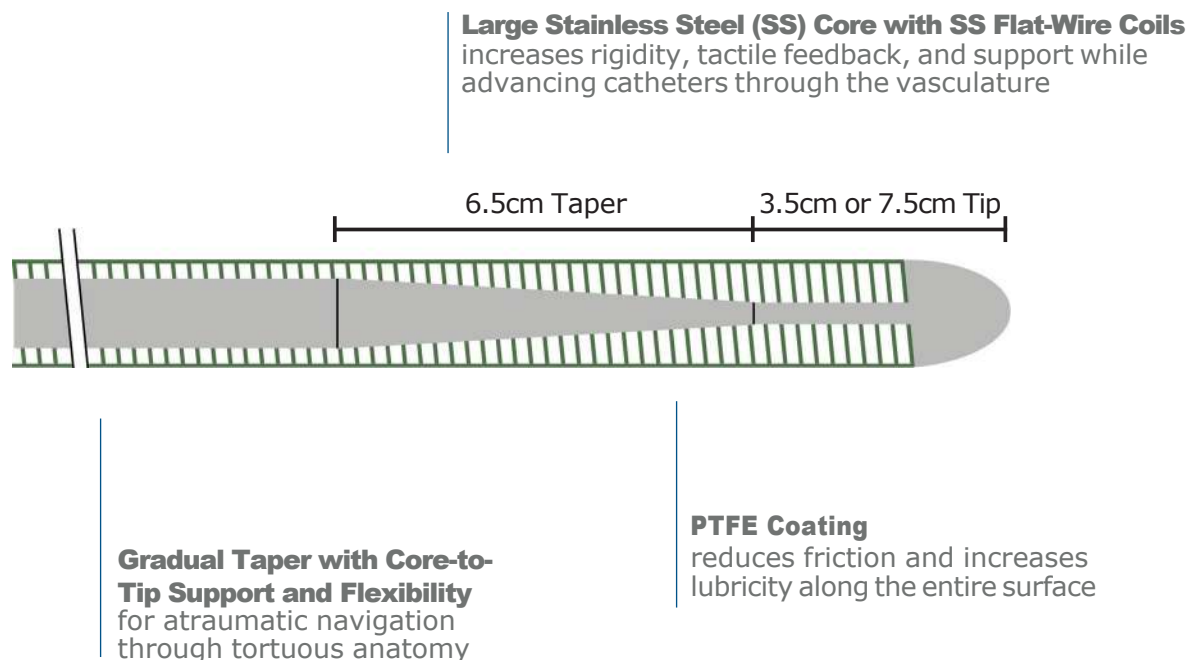
Catalogue	Connector	Package Type Extension	Length of the Tubing (cm)
YNP	Push-Pull	Whole set	/
YNP20	Push-	Whole	2
YNP25	Push-Pull	Whole set!	25
YNP40	Push-	Whole	4
YNP50	Push-Pull	Whole set!	50
YNPH	Push-	Y-valve	/
YNP20H	Push-Pull	Y-valve only	20
YNP25H	Push-	Y-valve	2
YNP40H	Push-Pull	Y-valve only	40
YNP50H	Push-	Y-valve	5
YNR	Rotating	Whole set	/
YNRH	Rotatin	Y-valve	/

Guidewires

Guidewires

The GuideX Worker Amplatz

The Guidex Worker Amplatz guidewire is the right combination of stiffness, durability, and rail support.



Worker Amplatz Guidewire - Straight (Box of 10)		
CATALOG #	DIAMETER x LENGTH	TIP LENGTH
124035180	.035" x 180cm	7.5cm

PTFE Coated Stainless Steel (Box of 10)	
CATALOG #	DIAMETER x LENGTH
395225	.025" x 150cm
395234	.038" x 150cm

Guidewires - Fixed Core Straight

Stainless Steel (Box of 10)	
CATALOG #	DIAMETER x LENGTH
395451	.018" x 40cm
395200	.018" x 80cm
395536	.021" x 25cm
395513	.021" x 40cm
395206	.025" x 40cm

Exchange Wires - PTFE Coated (Box of 10)	
CATALOG #	DIAMETER x LENGTH
395367	.025" x 260cm
395369	.035" x 260cm
395370	.038" x 260cm

Guidewires - Fixed Core J Tip

PTFE Coated Stainless Steel (Box of 10)			
CATALOG #	DIAMETER x LENGTH	DESCRIPTION	TIP CURVE RADIUS
395523	.021" x 150cm	Original; Our original wire with traditional feel and performance	3mm
395559	.025" x 150cm	Original; Our original wire with traditional feel and performance	3mm
395282	.035" x 150cm	Original; Our original wire with traditional feel and performance	3mm
388282	.035" x 150cm	Classic; A stiffer body wire for increased pushability	3mm
393282	.035" x 150cm	Flexible; Our softer tip wire for increased maneuverability	3mm
390282	.035" x 150cm	XTB; A stiffer body wire with a shorter taper for increased pushability	3mm
395284	.038" x 150cm	Original; Our original wire with traditional feel and performance	3mm

Guidewires - Exchange Wires

Exchange Wires - PTFE Coated (Box of 10)		
CATALOG #	DIAMETER x LENGTH	TIP CURVE RADIUS
395585	.025" x 260cm	3mm
395722	.035" x 200cm	3mm
395794	.035" x 260cm	3mm

Guidewires - Specialty

Stainless Steel (Box of 10)			Stainless Steel Double Ended (Box of 10)			Wires - PTFE Coated (Box of 10)	
CATALOG #	DIAMETER x LENGTH	TIP CURVE RADIUS	CATALOG #	DIAMETER x LENGTH	TIP CURVE RADIUS	CATALOG #	DIAMETER x LENGTH
395271	.035" x 40cm	3mm	395680	.035" x 45cm	Str & 3mm	395170	.035" x 150cm
						390033	.035" x 260cm

0.018" Access Wires:

Guidewires come in two lengths and are available with stainless steel or nitinol cores. All guidewires have a flexible radiopaque tip.

Key Product Attributes:

- Smooth transition from rigid core to radiopaque coil tip provides excellent maneuverability
- Nitinol offers kink-resistance and torque control
- Stainless steel for maximum back-up
- All guidewires have a flexible radiopaque tip

.018 Access Guidewires (Box of 5)		
CATALOG #	DIAMETER x LENGTH	CORE MATERIAL
107018080	.018" x 80cm	Stainless Steel
190118040	.018" x 40cm	Nitinol
190118080	.018" x 80cm	Nitinol

This image shows a full page of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



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