

 **oscor®** | **OEM**



Headquartered in Palm Harbor, Florida – USA, Oscor Inc. is a global leader in cardiac and vascular devices. Oscor offers a comprehensive FDA & CE approved device portfolio which includes implantable cardiac pacing leads, lead adaptors, lead accessories, temporary leads, external pacemakers, delivery system and diagnostic catheters for interventional and diagnostic procedures. For over 30 years, Oscor has been a proud supplier to all Cardiac Rhythm Management and Vascular companies in the industry. Oscor brand is distributed in more than 60 countries through a combination of direct sales efforts and authorized dealers. Oscor's vertical integration has enabled Oscor to expand our product offering and market expansion worldwide. With a total of four facilities in the US and one in the Dominican Republic. Oscor offers excellent and flexible terms, inventory management and consistent and industry shortest lead time on all our products.

MISSION

Oscor has over 29 years of impeccable reputation in the design and manufacturing of implantable and disposable medical devices. We offer strategic services, addressing quality, revenue and compliance. Oscor's OEM services begin with design optimization up to market ready devices. Our unique business model allows us to supply first class products to facilitate regulatory requirements and to exceed our customer's expectations. Here are a few of the reasons why we consider Oscor the smart and most excellent choice for your outsourcing needs.

ORGANIZATION:

- CEO Commitment
- Corporate Direction
- Leadership Impact
- Financial Autonomy
- IP Trustworthy

BULK COMPONENTS

Oscor offers a complete line ready to use, high quality components. All components are manufactured in certified cleanroom environment according to QSR/ISO standards. All components have biocompatibility and CE mark.

- Introducer Sheaths and Dilators
- Braided Catheter Shaft
- Catheter Tubing Extrusion
- Luer lock hubs, sideports and seals
- Lead Connector Pins and Conductor Assemblies
- Stylets and Lead Placement Accessories
- Packaging Trays and Kits

FACILITIES

Total of four ISO Certified and FDA registered manufacturing facilities (US and Dominican Republic). All extrusion, molding, machining, cleanroom manufacturing and packaging are performed at all of Oscor's facilities according to QSR guidelines under certified 100k and 10k cleanroom environment.

CAPACITY

Oscor employs worldwide over 400 well trained employees and offers over 200,000 sqft (20,000 sqmt) manufacturing space with the capability for low volume prototyping all the way to high volume production runs.

Oscor is a FDA registered, ISO 9001:2008 and 13485:2003 Certified, CMDCAS Compliant, and Japan Accredited Manufacturer

REGULATORY APPROVAL AND CERTIFICATIONS

- FDA Registered
- ISO 9001:2008 and 13485:2003 Certified
- CMDCAS (Canada) certified
- JAPAN Accreditation as a Foreign Manufacturer
- 510 (k) and PMA device experience
- Certified backup offshore facilities with identical equipment
- Oscor Quality System is approved by most CRM and Medical Device Companies
- Manufacture according to directives 93/42/EEC and 90/385/EEC

To request a copy of certificates please email regulatory@oscor.com

OEM SERVICES

A close-up photograph of a hand holding a clear, rectangular plastic mold component. The component has a complex internal structure with multiple channels and a small circular feature. In the background, several other similar mold components are visible, some of which are metallic and have a more complex, multi-layered design. The lighting is dramatic, highlighting the transparency and intricate details of the plastic part.

MOLD MAKING

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MOLD AND TOOLING

From prototype to high cavity production mold, we offer turnkey in-house mold design and manufacturing, in shortest time possible. Our typical lead time in molds is less than four weeks, with prototype molds in less than one week.

Our molds are optimized for high precision medical cleanroom molding for typical applications:

- Catheter and Needle Hubs
- Handles and Accessories (Pebax, PA, PE, ABS, PC, PP, PU)
- Pacemaker Headers (Polyurethanes, Tecothane, Pellethane, etc.)
- Implantable Grade Silicone (LSR)
- Implantable Grade PEEK

Using scientific molding approach, we perform first article qualifications and all necessary process validations to offer you highest precision molds producing highly repeatable molded components.

All molds can be tested and verified at Oscor's US Palm Harbor cleanroom facilities.



NEX80
ELJECT

MOLDING

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MEDICAL MOLDING

We offer cleanroom injection molding for medical components of various sizes and materials, including Pebax, Polyurethanes, Silicone and PEEK. All molding is performed in our state of the art automated and all electric injection molding machines (5 -180 tons) in certified cleanroom environment according to QRS and ISO guidelines. Our molded components are used in long and short-term implantable products.



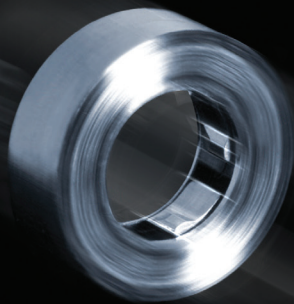
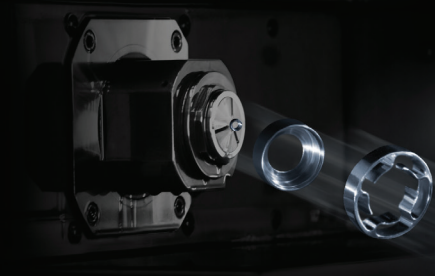
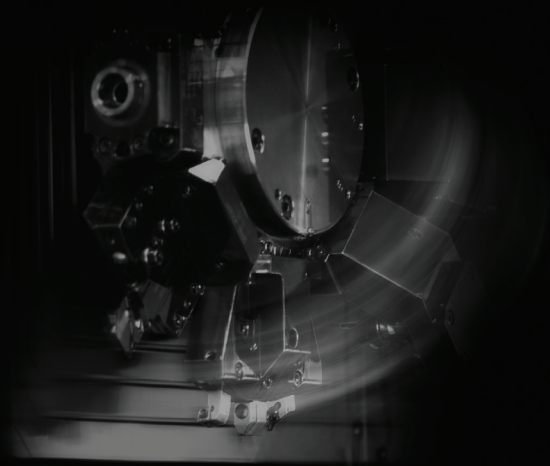
BIOCOMPATIBILITY

Oscor has a variety of materials with extensive Biocompatibility testing on file.

VOLUME

Small volumes and prototypes runs can be performed at Oscor's US Palm Harbor cleanroom facilities, which high volume and cost sensitive injection molding at Oscor's offshore facility in the Dominican Republic.

CAPABILITIES	TYPICAL MATERIALS
Insert Molding	Polyamides
Over-Molding	Nylons
Micro-Molding (< 1cc)	Pebax
Multi-Shot	Polyurethanes (Tecothane, Pellethane,
Liquid Silicone Molding (LIM)	Bionate etc.)
High Temperature Molding (PEEK)	ABS
	Polycarbonates
	Silicone (Medical and Implantable Grade)
	PEEK (Medical and Implantable Grade)
	TPE
	Custom Blends



MACHINING

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OEM MACHINING

High precision Swiss and multi-axis machining of medical implantable grade metal and PEEK components. Maximum control of quality and close component tolerance. SPC process monitoring and the latest inspection methods guarantee quality from part to part and lot to lot.

CAPABILITIES

Multi-Axis Swiss Machining
High Speed Milling and Turning
EDM Sinker
EDM Wire
Laser Welding
Laser Cutting
Laser Marking
Grinding

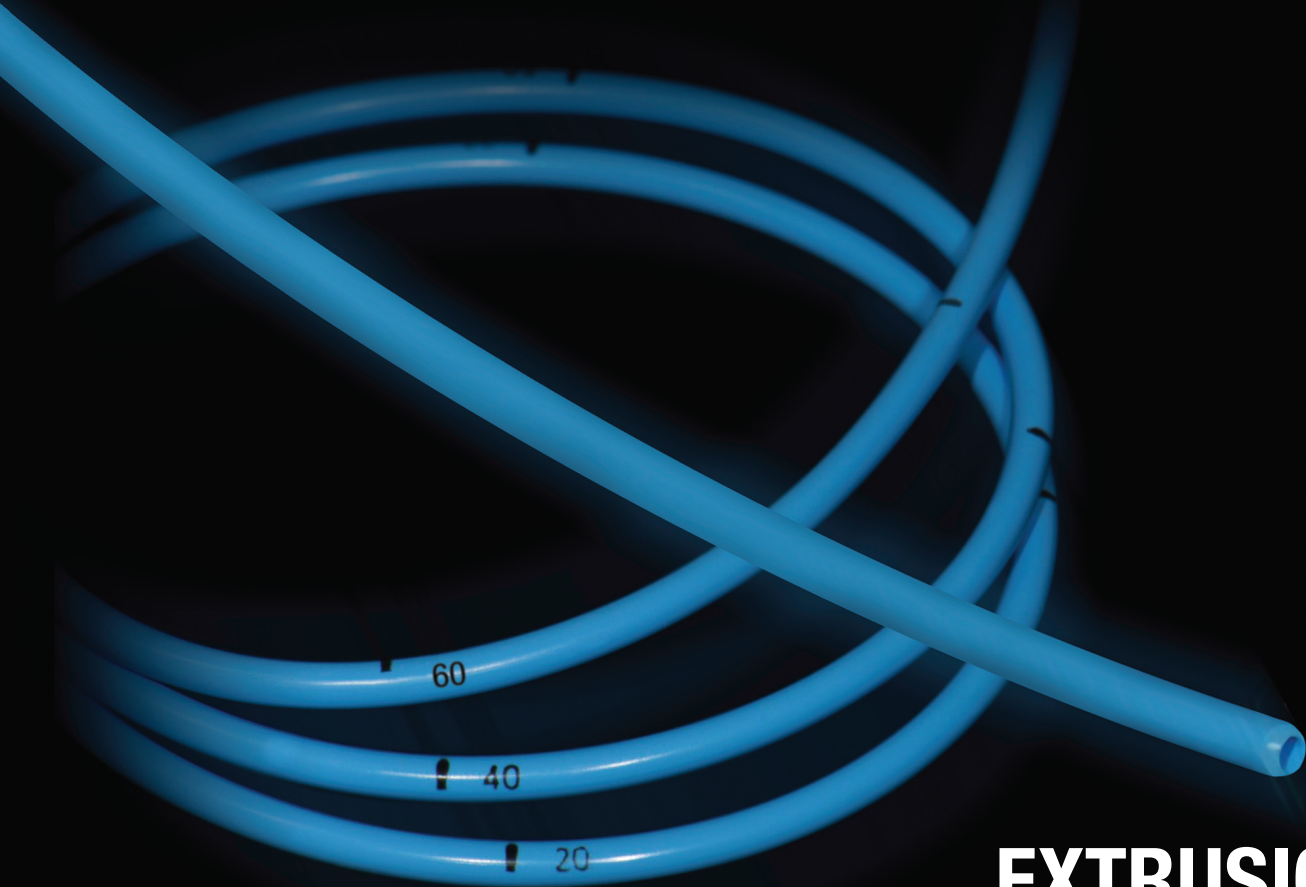
TYPICAL MATERIALS

Stainless Steels (316L)
MP35N
Titanium
PEEK
Aluminum

SECONDARY OPERATIONS

Cleaning
Deburring
Passivation
Electropolishing
Plasma Treating





EXTRUSIONS

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MEDICAL EXTRUSIONS

Oscor is using its extensive engineering experience in the extrusion of medical tubing to deliver your extrusions and shaft assemblies to your exact specifications. All extrusions and shaft assemblies are made in certified cleanroom environment to tightest tolerances on newest state of the art equipment and inspection systems

IN STOCK EXTRUSION AND CATHETER SHAFT

We offer a variety of finished developed extrusion and catheter shafts in stock with a 24 hr QuickShip delivery for applications such as:

- Guiding Catheters
- Introducer Sheath and Dilators
- Diagnostic and Angiography Catheters (High Pressure and High Flow)
- Long term implantable leads

CAPABILITIES

Single and Multi-Lumen Tubing
Coextrusion
Profile Tubing
Braid and Coil Reinforced Tubing
PTFE Lined Catheter Shafts with
Durameter and Material Variations
Tipping and Atraumatic Catheter tips
Hydrophilic Coating
Pad Printing
Hole Punching

TYPICAL MATERIALS

Pebax
Nylons
Polyurethanes including
Pellethane and Tecothane
Bionate
FEP
HDPE/LPPE
Polycarbonate
PVC

BIOCOMPATIBILITY

Oscor has a wide selection of medical grade materials in stock with extensive Biocompatibility data on file for short and long term implantation.

CUSTOM EXTRUSION

Oscor offers custom extrusion and shaft development to fit any of your custom catheter development needs.





MANUFACTURING

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CLEANROOM MANUFACTURING

Oscor offers over 200,000 sqft certified cleanroom manufacturing space with well trained operators. Our Quality System is audited and validated to the highest industry standards for medical device manufacturing.

GLOBAL SUPPLY CHAIN

From purchasing, material planning, warehousing, just in time manufacturing, packaging and labeling, Oscor handles all of your global supply chain logistics, to have your product available when you need it in any part of the world.

WAREHOUSING - INVENTORY MANAGEMENT

To streamline product flow and inventory turnover, Oscor offers complete product Warehousing and Warehouse Management. Please ask for details about our advanced Warehousing and Inventory Management offering.



PACKAGING

TURNKEY PACKAGING AND BRANDING SOLUTIONS

All packaging operations are available in-house to reduce your workload, lead-time while improving overall quality and product presentation. Oscor performs turnkey packaging solutions at its Palm Harbor and Dominican Republic operations the perfect solution for your domestic US and international distributions needs. All packaging is validated according to FDA and ISO standards.

Oscor has it's own in-house marketing team to serve all of your needs. We have on site a professional packaging engineering team and photographers with state of the art equipment specialized for high resolution catheter and device presentation – including its own label and barcode design department.

CAPABILITIES

Tray, Pouch, and Kit Packaging Design
Packaging Validation
Pouch Loading and Sealing
Label Design and Printing
Bar Coding
Quality Inspection
Sterilization
Distribution



STERILIZATION

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Oscor offers ETO sterilization services for your medical device:

- ETO sterilization with DMB-Sterivit-automatic sterilization units
- Certified, fully automated parametric release procedure with complete adsorption of residual gases allowing immediate implant after removal from sterilizer
- Short sterilization cycles and product release within 24 hours
- Safe for drug coated and treated product, safe for personnel, environment friendly and low ETO residuals thanks to low temperature (45°C) sterilization with 8% ETO (Ethyleneoxide gas)
- Custom product sterilization validation and packaging shelf life testing available
- Clean room production and packaging available

CONTRACT STERILIZATION

Sterilize your products in our state of the art sterilization facilities located in Florida and the Dominican Republic.

We are experienced in sterilization of medical device products and offer advice to meet your product needs and requirement for optimal safety and sterility.

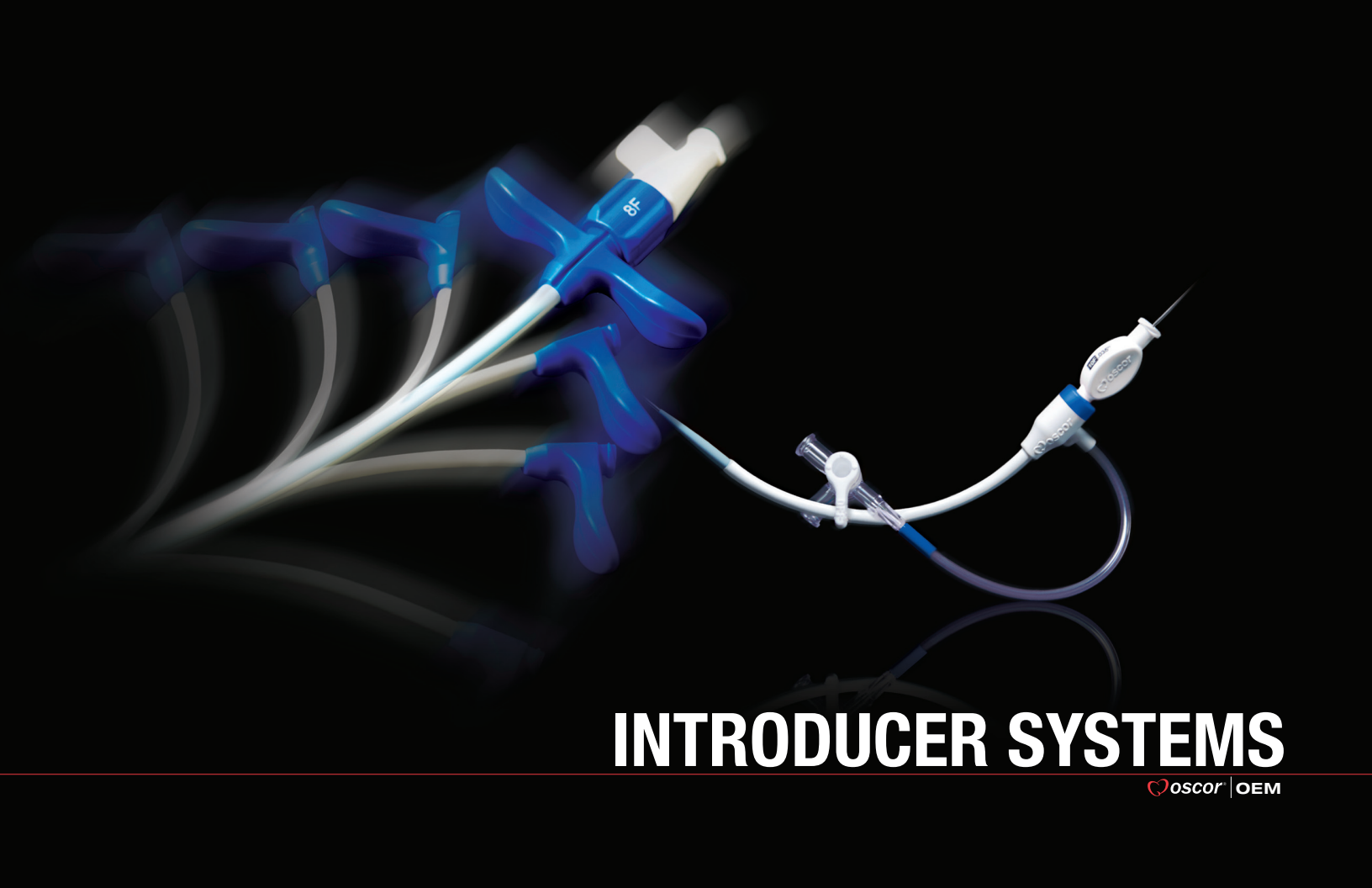
Our goal is to provide superior customer service and to help our customers achieve the most efficient and cost-effective means of sterility in compliance with all applicable regulatory and statutory requirements.

Please contact us for further information at sterilization@oscor.com

BULK PRODUCTS

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BULK PRODUCTS

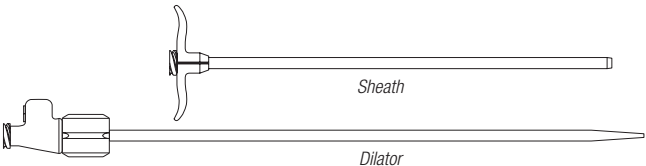


INTRODUCER SYSTEMS

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ADELANTE—PEEL AWAY INTRODUCER SET

The Adelante Peel Away Introducer offers exceptional insertion, smooth lead movement, and high kink resistance. Its long and precision-tapered form fit makes a smooth transition between guidewire and dilator, and dilator and sheath for minimal lip formation and peel back, even in complex conditions.



Set includes: Sheath and dilator

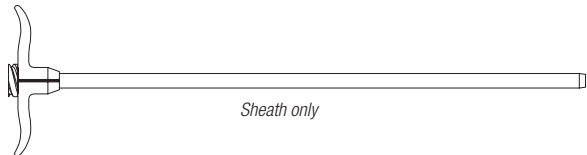
Sheath ID Sizes (F)	Sheath Length (cm)	Dilator Length (cm)	Guidewire Diameter Compatible (inch)	Curved/ Straight	Radiopaque Sheath	Radiopaque Dilator
6	16	19	0.035	Straight	Yes	Yes
7, 7.5	23	26	0.038			
8, 8.5						
9, 9.5						
10, 10.5						
11, 11.5						
12, 12.5						

Email your custom request to sales@oscor.com.

ADELANTE—PEEL AWAY INTRODUCER SHEATH

The Adelante Peel Away Sheath offers exceptional insertion, smooth lead movement, and high kink resistance, while offering a smooth and consistent peel.

Includes: Sheath



Sheath ID Sizes (F)	Sheath Length (cm)	Dilator Length (cm)	Guidewire Diameter Compatible (inch)	Curved/ Straight	Radiopaque Sheath	Radiopaque Dilator
6	16	N/A	N/A	Straight	Yes	N/A
7, 7.5	23					
8, 8.5						
9, 9.5						
10, 10.5						
11, 11.5						
12, 12.5						

Email your custom request to sales@oscor.com.

ADELANTE—DILATOR

The Adelante rotatable dilator offers a long and precision-tapered form fit distal tip section offering a smooth transition between guidewire and dilator even in complex conditions. The dilator can be handshaped into any desired curve configuration.



Includes: Dilator with luer hub

Sheath ID Sizes (F)	Sheath Length (cm)	Dilator Length (cm)	Guidewire Diameter Compatible (inch)	Curved/ Straight	Radiopaque Sheath	Radiopaque Dilator
6	N/A	19	0.035	Straight	N/A	Yes
7, 7.5		26	0.038			
8, 8.5						
9, 9.5						
10, 10.5						
11, 11.5						
12, 12.5						

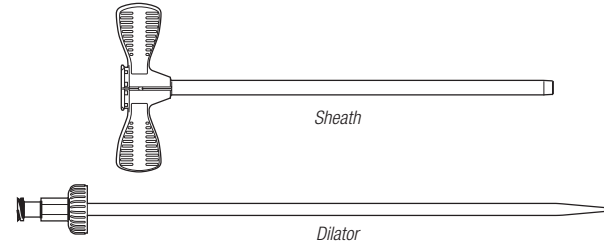
Email your custom request to sales@oscor.com.

ADELANTE SAFESHEATH® ULTRA LITE —HEMOSTATIC VALVE PEEL AWAY INTRODUCER SET

The Adelante SafeSheath® Ultra Lite Peel Away Introducer provides reduced insertion forces with its engineered valve membrane.

Set includes: Sheath with hemostatic valve and dilator

** SafeSheath is a registered trademark of Pressure Products, Inc.*

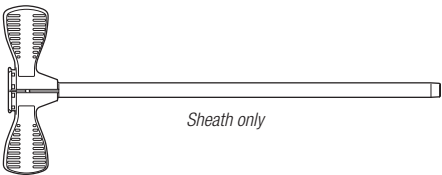


Sheath ID Sizes (F)	Sheath Length (cm)	Dilator Length (cm)	Guidewire Diameter Compatible (inch)	Curved/ Straight	Radiopaque Sheath	Radiopaque Dilator
5, 6 7, 8 8.5, 9 10, 11	13	18	0.035 0.038	Straight	Yes	Yes

Email your custom request to sales@oscor.com.

ADELANTE SAFESHEATH® ULTRA LITE
— HEMOSTATIC VALVE PEEL AWAY INTRODUCER SHEATH

The Adelante SafeSheath® Ultra Lite Peel Away Sheath offers exceptional insertion, smooth lead movement, and high kink resistance, while offering a smooth and consistent peel.



Includes: Sheath with hemostatic valve and ergonomic hub

** SafeSheath is a registered trademark of Pressure Products, Inc.*

Sheath ID Sizes (F)	Sheath Length (cm)	Dilator Length (cm)	Guidewire Diameter Compatible (inch)	Curved/ Straight	Radiopaque Sheath	Radiopaque Dilator
5, 6 7, 8 8.5, 9 10, 11	13	N/A	N/A	Straight	Yes	N/A

Email your custom request to sales@oscor.com.

ADELANTE SAFESHEATH® ULTRA LITE—DILATOR

The Adelante SafeSheath® Ultra Lite rotatable dilator offers a long and precision-tapered form fit distal tip section offering a smooth transition between guidewire and dilator even in complex conditions. The dilator can be handshaped into any desired curve configuration.



Includes: Dilator

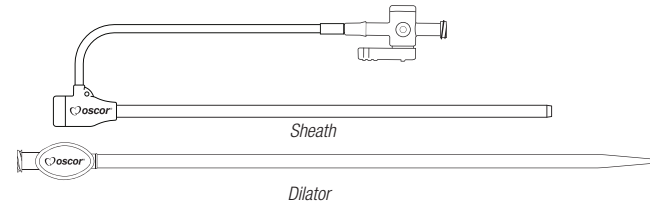
** SafeSheath is a registered trademark of Pressure Products, Inc.*

Sheath ID Sizes (F)	Sheath Length (cm)	Dilator Length (cm)	Guidewire Diameter Compatible (inch)	Curved/ Straight	Radiopaque Sheath	Radiopaque Dilator
5, 6 7, 8 8.5, 9 10, 11	N/A	18	0.035 0.038	Straight	N/A	Yes

Email your custom request to sales@oscor.com.

ADELANTE SIGMA—INTRODUCER SET

The Adelante Sigma is the next generation in sheath introducers featuring the latest hemostatic valve technology, even for small or large introduced devices and device combinations. The Adelante Sigma comes in various size, sheath and kit combinations.



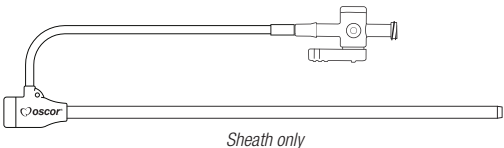
Set includes: Dilator and Sheath with hemostatic valve & sideport

Sheath ID Sizes (F)	Sheath Length (cm)	Dilator Length (cm)	Guidewire Diameter Compatible (inch)	Curved/ Straight	Radiopaque Sheath	Radiopaque Dilator
4, 5, 6	10	15	0.035	Straight	Yes	Yes
7, 8, 9	23	28	0.038			
10, 11, 12						

Email your custom request to sales@oscor.com.

ADELANTE SIGMA—INTRODUCER SHEATH

The Adelante Sigma is the next generation in sheath introducers featuring the latest hemostatic valve technology, even for small or large introduced devices and device combinations. The Adelante Sigma comes in various size, sheath and kit combinations, offering maximum kink resistance.



Includes: Sheath with hemostatic valve & sideport

Sheath ID Sizes (F)	Sheath Length (cm)	Dilator Length (cm)	Guidewire Diameter Compatible (inch)	Curved/ Straight	Radiopaque Sheath	Radiopaque Dilator
4, 5, 6	10	N/A	N/A	Straight	Yes	N/A
7, 8, 9	23					
10, 11, 12						

Email your custom request to sales@oscor.com.

ADELANTE SIGMA—DILATOR

The Adelante Sigma dilator features an ergonomic designed handle for easy grip. The dilator material allows for it to form into any custom configuration.



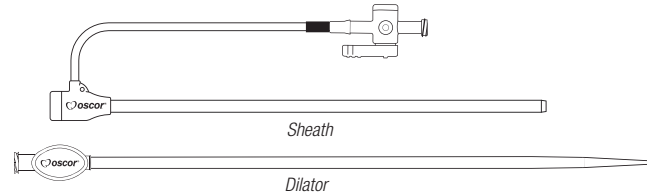
Includes: Dilator

Sheath ID Sizes (F)	Sheath Length (cm)	Dilator Length (cm)	Guidewire Diameter Compatible (inch)	Curved/ Straight	Radiopaque Sheath	Radiopaque Dilator
4, 5, 6	N/A	15	0.035	Straight	N/A	Yes
7, 8, 9		28	0.038			
10, 11, 12						

Email your custom request to sales@oscor.com.

ADELANTE RADIAL—INTRODUCER SET

The Adelante Radial is the next generation in transradial access sheath introducers, featuring the latest hemostatic valve technology, for minimal blood loss during diagnostic angiography or percutaneous coronary intervention. Hydrophilic kink-resistant coated sheath for easier insertion and removal of device. Provides excellent elongated tapered dilator tip for optimal vessel access.



Set includes: Dilator and Sheath with hemostatic valve & sideport

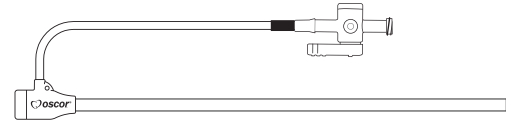
Sheath ID Sizes (F)	Sheath Length (cm)	Dilator Length (cm)	Guidewire Diameter Compatible (inch)	Curved/ Straight	Radiopaque Sheath	Radiopaque Dilator
4	10	15	0.018	Straight	Yes	Yes
5						
6						
7						

Email your custom request to sales@oscor.com.

ADELANTE RADIAL—INTRODUCER SHEATH

The Adelante Radial is the next generation in transradial access sheath introducers, featuring the latest hemostatic valve technology, for minimal blood loss during diagnostic angiography or percutaneous coronary intervention. Hydrophilic kink-resistant coated sheath for easier insertion and removal of device.

Includes: Sheath with hemostatic valve & sideport



Sheath ID Sizes (F)	Sheath Length (cm)	Dilator Length (cm)	Guidewire Diameter Compatible (inch)	Curved/ Straight	Radiopaque Sheath	Radiopaque Dilator
4	10	N/A	N/A	Straight	Yes	N/A
5						
6						
7						

Email your custom request to sales@oscor.com.

ADELANTE RADIAL—DILATOR

The Adelante Radial dilator features an elongated tapered dilator tip for optimal vessel access and an ergonomic designed handle for easy grip. The dilator material allows for it to form into any custom configuration.



Includes: Dilator

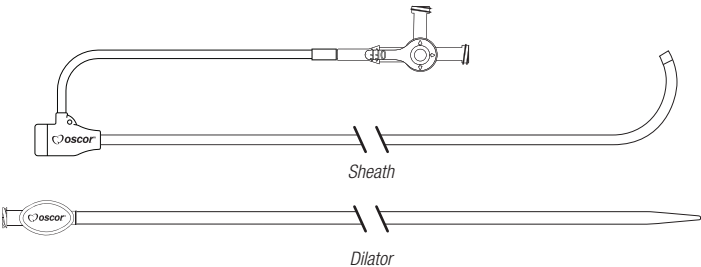
Sheath ID Sizes (F)	Sheath Length (cm)	Dilator Length (cm)	Guidewire Diameter Compatible (inch)	Curved/ Straight	Radiopaque Sheath	Radiopaque Dilator
4	N/A	15	0.018	Straight	N/A	Yes
5						
6						
7						

Email your custom request to sales@oscor.com.

ADELANTE BREEZEWAY—INTRODUCER SET

The Adelante Breezeway Guiding Sheath with Hemostatic Valve is intended for the percutaneous introduction of various types of cardiovascular catheters to all heart chambers, including transseptal puncture.

Set includes: Dilator and Sheath

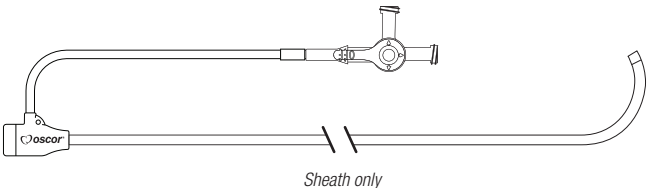


Sheath ID Sizes (F)	Sheath Length (cm)	Dilator Length (cm)	Guidewire Diameter Compatible (inch)	Tip Configuration	Radiopaque Sheath	Radiopaque Dilator
8	60	65	0.035	Straight	Yes	Yes
10	79	83	0.038	Curved 55°, 70°, 90°, 120°		

Email your custom request to sales@oscor.com.

ADELANTE BREEZEWAY—INTRODUCER SHEATH

The Adelante Breezeway is the next generation in transradial access sheath introducers, featuring the latest hemostatic valve technology, for minimal blood loss during diagnostic angiography or percutaneous coronary intervention. Hydrophilic kink-resistant coated sheath for easier insertion and removal of device.



Includes: Sheath with hemostatic valve & sideport

Sheath ID Sizes (F)	Sheath Length (cm)	Dilator Length (cm)	Guidewire Diameter Compatible (inch)	Tip Configuration	Radiopaque Sheath	Radiopaque Dilator
8	60	N/A	N/A	Straight	Yes	N/A
10	79			Curved 55°, 70°, 90°, 120°		

Email your custom request to sales@oscor.com.

ADELANTE BREEZEWAY—DILATOR

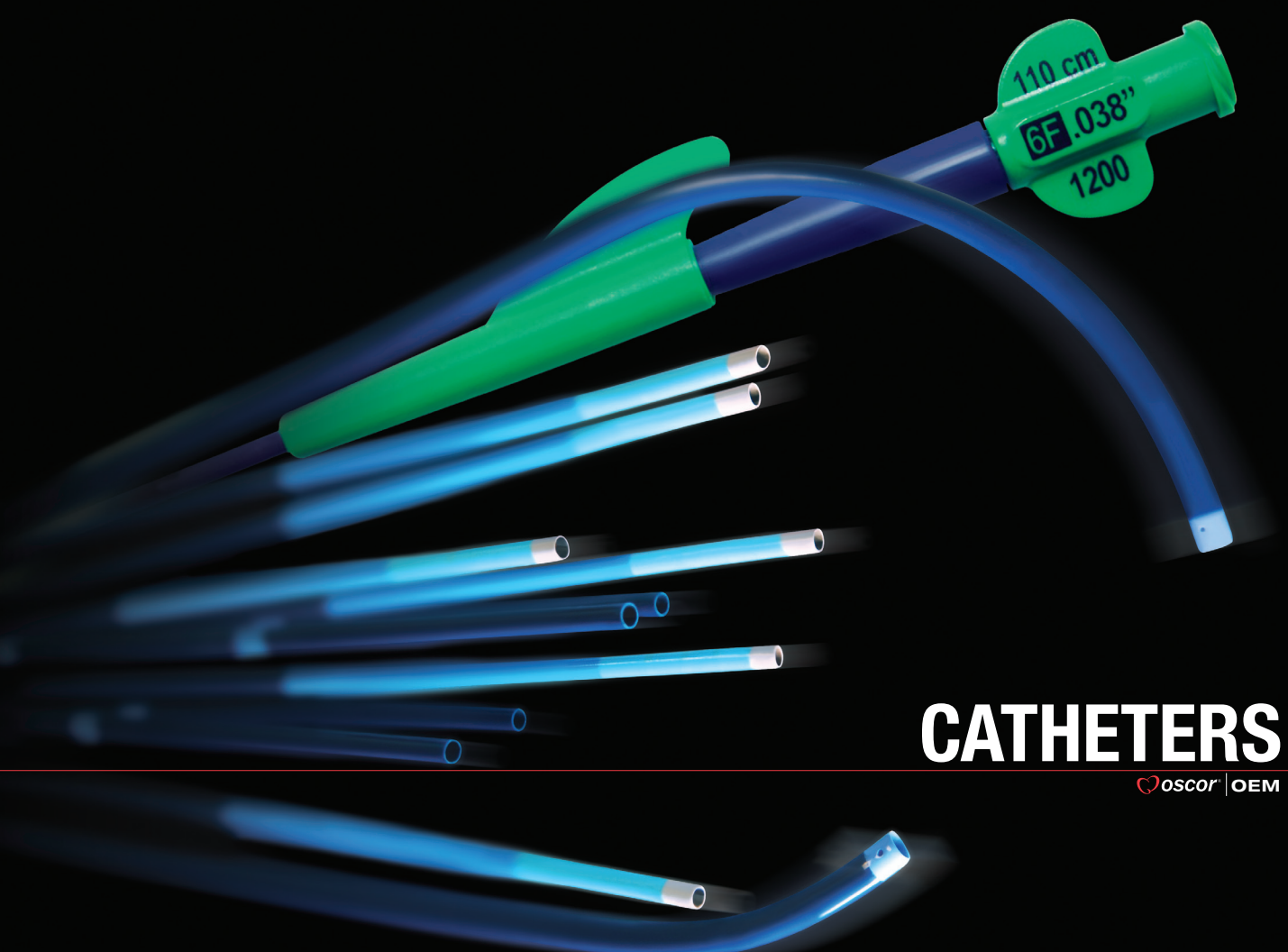
The Adelante Breezeway dilator features an elongated tapered dilator tip for optimal vessel access and an ergonomic designed handle for easy grip. The dilator material allows for it to form into any custom configuration.



Includes: Dilator

Sheath ID Sizes (F)	Sheath Length (cm)	Dilator Length (cm)	Guidewire Diameter Compatible (inch)	Tip Configuration	Radiopaque Sheath	Radiopaque Dilator
8	N/A	65	0.035	Straight	N/A	Yes
10		83	0.038			

Email your custom request to sales@oscor.com.



CATHETERS

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ANGIOS JR—CATHETER

Oscor’s Angios JR line of diagnostic catheters features a proprietary HD Braid reinforced shaft which allows for smooth advancement. At the same time, the sheath maintains its curve, allows for a high flow rate of contrast media injection, and has a soft radiopaque catheter tip to minimize vessel trauma.



French Size OD (F)	Curve	Inner Lumen ID (inch/mm)	Length (mm)
4	Judkins Right	0.042 / 1.07	100
5	1.5	0.05 / 1.32	110
6	2.0	0.058 / 1.47	120
	2.5		
	3.0		
	3.5		
	4.0		

Email your custom request to sales@oscor.com.

ANGIOS JL—CATHETER

Oscor’s Angios JL line of diagnostic catheters features a proprietary HD Braid reinforced shaft which allows for smooth advancement. At the same time, the sheath maintains its curve, allows for a high flow rate of contrast media injection, and has a soft radiopaque catheter tip to minimize vessel trauma.



French Size OD (F)	Curve	Inner Lumen ID (inch/mm)	Length (mm)
4	Judkins Left	0.042 / 1.07	100
5	1.5	0.05 / 1.32	110
6	2.0	0.058 / 1.47	120
	2.5		
	3.0		
	3.5		
	4.0		

Email your custom request to sales@oscor.com.

ANGIOS PT—CATHETER

Oscor’s Angios PT line of diagnostic catheters features a proprietary HD Braid reinforced shaft which allows for smooth advancement. At the same time, the sheath maintains its curve, allows for a high flow rate of contrast media injection, and has a soft radiopaque catheter tip to minimize vessel trauma.



French Size OD (F)	Curve	Inner Lumen ID (inch/mm)	Length (mm)
3	Straight Pigtail with 5 side holes	0.042 / 1.07	65
4		0.05 / 1.32	80
5		0.058 / 1.47	90
6			110 120

Email your custom request to sales@oscor.com.

ANGIOS PT 145°—CATHETER

Oscor's Angios PT 145° line of diagnostic catheters features a proprietary HD Braid reinforced shaft which allows for smooth advancement. At the same time, the sheath maintains its curve, allows for a high flow rate of contrast media injection, and has a soft radiopaque catheter tip to minimize vessel trauma.



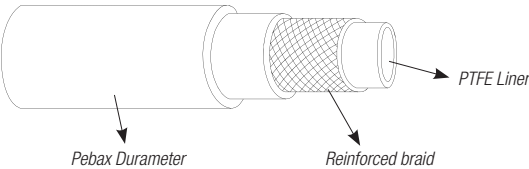
French Size OD (F)	Curve	Inner Lumen ID (inch/mm)	Length (mm)
3	Pigtail 145° with 5 side holes	0.042 / 1.07	65
4		0.05 / 1.32	80
5		0.058 / 1.47	90
6			110 120

Email your custom request to sales@oscor.com.

BRAIDED SHAFTS

Inner Catheter Sheath

Braided reinforced high torque inner catheter sheath with PTFE Liner, variable shaft stiffness and proprietary Pebax blend soft tip transition.



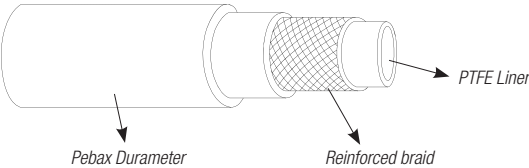
French Size ID (F)	Description	Distal Tip Section	Proximal Section	Sheath ID (mm)	Sheath OD (mm)	Standard Length (cm)	Standard Curves
6	Inner Catheter Sheath	X-ray visible atraumatic soft tip with gold marker bands	Open (Custom hubs available on request)	2.00	2.24	73	Straight CSL 90° Curve Hockey Stick 90° Standard 90° Flex Acute Obtuse 90° Support

Email your custom request to sales@oscor.com.

BRAIDED SHAFTS

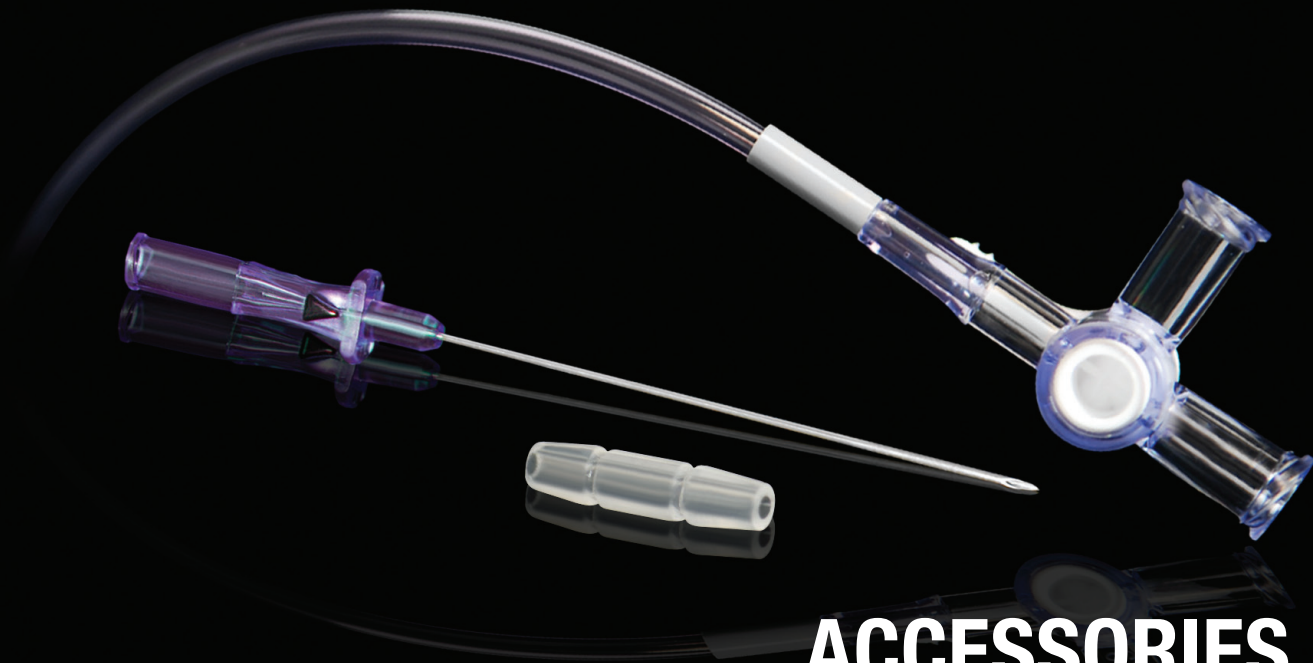
Outer Guiding Catheter Sheath

Braided reinforced high torque outer guide catheter sheath with PTFE Liner, variable shaft stiffness and proprietary Pebax blend soft tip transition.



French Size OD (F)	Description	Distal Tip Section	Proximal Section	Sheath ID (mm)	Sheath OD (mm)	Standard Length (cm)	Standard Curves
9	Outer Guiding Catheter Sheath	X-ray visible atraumatic soft tip with gold marker bands	Open (Custom hubs available on request)	2.44	2.95	48 55	Straight Multipurpose 115° 135° Wide Extra wide Right-Sided

Email your custom request to sales@oscor.com.



ACCESSORIES

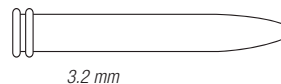
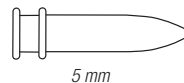
 **oscor** | OEM

END CAPS

Implantable medical grade silicone end-cap for insulation and sealing protection of 5 mm or 3.2 mm connectors.

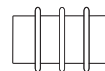
Inner Diameter
(mm)

5
3.2



UNIVERSAL ADAPTOR SLEEVE

Implantable medical grade silicone sleeve for adapting a 5 mm connector to a 6 mm connector.



LIGATURE SLEEVE

Ligature sleeve or fixation sleeve is made out of long term implantable grade silicone. It can be positioned around an implantable lead or catheter for secure fixation. Available in several sizes, sterile packaged or bulk, non-sterile.



Ligature Sleeve



Petite Series

Inner Diameter (mm)	Outer Diameter (mm)	Length (mm)
1.5	5.0	23.2
1.7		
1.8		
2.1		
2.4		
2.6		
PETITE SERIES		
1.7	4.2	18.5

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PIN ADAPTOR

Used with Temporary Myocardial Heartwires

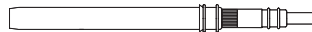


Description

2mm Pin Adaptor set

VV-PLUG

Used for plugging up an empty pacemaker header cavity.



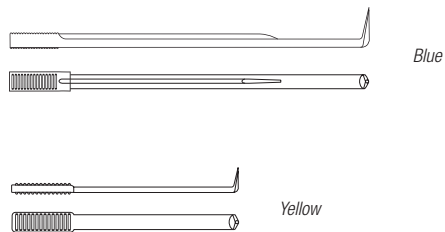
Description

IS-1 Connector Plug (3.2 mm)

VEIN PICK

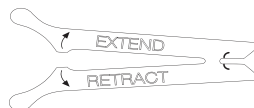
Used with permanent pacing leads and catheters.

Length (mm)	Length (mm)	Color
110	10	Blue
45	9	Yellow



PY FIXATION TOOL

Used with PY active fixation permanent pacing lead.



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CONTAMINATION SHIELD

Size compatible: 4F to 8F

Extended Length: 80 cm

One Side: Luer Lock, Other Side: Tuohy Borst

Material: PE / ABS / LDPE / PP



GUIDEWIRE

Used with introducers and diagnostic catheters.

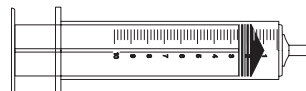
Size OD (inch)	Length (cm)	Tip Shape	Core	Depth Markings	Coating
0.18	50, 60	Straight	Fixed or Movable	With markings or without markings	Hydrophilic coating on some models
0.20	75, 150	J			
0.35	180, 250	Angle			
0.38	300				



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SYRINGE

Material: PP / Polyisoprene



Volume (cc)	Fit
5	Luer Lock
10	Center Luer Slip Fit Off Center Luer Slip Fit

NEEDLE

Material: Stainless Steel / PC



Size Diameter (G)	Usable Length (cm)	Tip
18	2.5	Hypodermic
21	5	

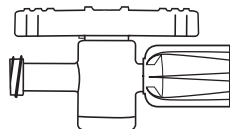
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2-WAY STOPCOCK

Material: PC / PE

Description

Female Spin Luer-Lock Slip Fit

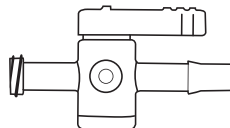


3-WAY STOPCOCK

Material: PC / PE

Description

Male Slip Fit

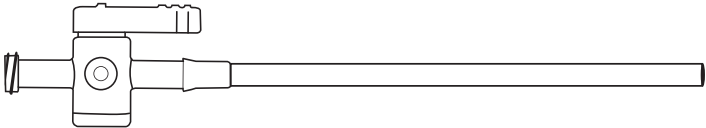


3-WAY STOPCOCK ON SIDEPORT TUBING
(no color coding)

Tubing OD/ID: 2.0 / 1.5mm;

Usable Length: 14.5 cm

Material: PC / PE, Tubing Polyurethane

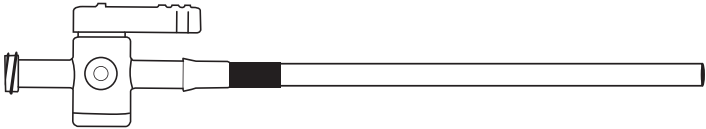


3-WAY STOPCOCK ON SIDEPORT TUBING
(with color coded marker on tubing)

Tubing ID/OD= 0.112"X 0.067"

Length: 14.5 cm;

Material: PC / PE, Tubing Polyurethane



Size indicated (F)	Sideport Marker Color
4, 5 ,6	Red, Grey, Green
7, 8, 9	Orange, Blue, Black
10, 11, 12	Magenta, Yellow, Brown

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STYLETS-STRAIGHT

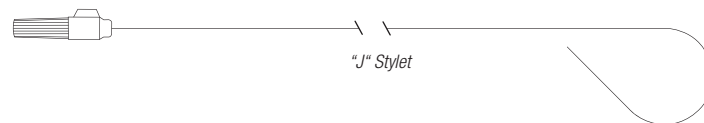
Straight, positioning or screwdriver



Lengths (cm)	Wire Diameter (mm)	Handle Color	Tip Type
44, 45, 48	0.35	Red	Positioning
49, 52, 53	0.38	Green	Screwdriver
58, 59, 70		Grey	Straight Screwdriver
78, 85		White	Flexible Screw
		Blue	

STYLETS-J

“J” type



Lengths (cm)	Wire Diameter (mm)	Handle Color	Tip Type
44, 48	0.35	Yellow	J
52, 58			

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