



Femoropopliteal

PROCEDURE GUIDE

Fight Against Disease

For nearly half a century, Cook Medical has worked shoulder to shoulder with the pioneers of peripheral medicine to deliver the technologies that advance minimally invasive healthcare.

Today we are even more focused on the fight against peripheral arterial disease (PAD) of the legs. Doing the right thing for the right reason and never compromising when it comes to patient care—that is how we move medicine forward.

PAD FACTS

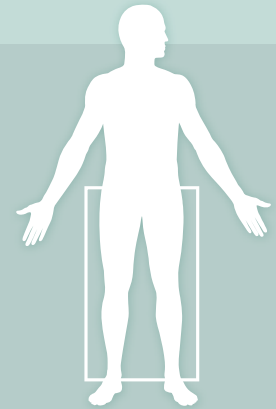
27 million people in Europe and North America suffer from PAD.¹

20% of people with PAD will suffer a nonfatal heart attack or stroke and nearly **30%** will die within 5 years.²

A potential consequence of PAD is **amputation**.

The typical life expectancy of a person after lower-limb amputation is less than **5 years**.³

Diabetes is a leading risk factor of PAD.



PAD AFFECTS

27
MILLION

PEOPLE IN EUROPE
AND NORTH AMERICA

Advancing Leg Therapies

Cook Medical is focused on the treatment of PAD of the legs with a comprehensive line of peripheral products. In addition, our clinical trials and educational workshops are available to help you efficiently and successfully treat disease.

Your focus is on the distinct challenges each patient presents—our focus is on supporting you with solutions that increase efficiency and improve outcomes. Our goal is to be a better procedural partner by providing you with the tools you need to access, target and treat disease effectively.



		ACCESS	TARGET	TREAT
		Micropuncture INTRODUCER SETS Needle PERCUTANEOUS ENTRY HiWire HYDROPHILIC WIRE GUIDE Roadrunner® PC HYDROPHILIC WIRE GUIDE	Roadrunner® PC HYDROPHILIC WIRE GUIDE Fixed Core WIRE GUIDE Performer INTRODUCER SETS Slip-Cath HYDROPHILIC BEACON® TIP CATHETER Royal Flush® Plus BEACON TIP CATHETER Flexor Ansel GUIDING SHEATH Flexor Raabe GUIDING SHEATH Flexor Balkin GUIDING SHEATH	Advance 18LP PTA BALLOON Advance 35LP PTA BALLOON Zilver 518® VASCULAR STENT Zilver 635 VASCULAR STENT Zilver 518 RX VASCULAR STENT
FEMOROPOPLITEAL		Micropuncture INTRODUCER SETS Needle PERCUTANEOUS ENTRY HiWire HYDROPHILIC WIRE GUIDE Roadrunner PC HYDROPHILIC WIRE GUIDE	Fixed Core WIRE GUIDE Performer INTRODUCER SETS Flexor Ansel GUIDING SHEATH Flexor Raabe GUIDING SHEATH Flexor Balkin GUIDING SHEATH Royal Flush Plus BEACON TIP CATHETER Slip-Cath HYDROPHILIC BEACON TIP CATHETER Approach CTO WIRE GUIDE CXI® SUPPORT CATHETER	Advance 18LP PTA BALLOON Advance 35LP PTA BALLOON
		Micropuncture INTRODUCER SETS Needle PERCUTANEOUS ENTRY HiWire HYDROPHILIC WIRE GUIDE Roadrunner PC HYDROPHILIC WIRE GUIDE	Fixed Core WIRE GUIDE Performer INTRODUCER SETS Flexor Ansel GUIDING SHEATH Flexor Raabe GUIDING SHEATH Flexor Balkin GUIDING SHEATH Shuttle Tibial INFRAPOPLITEAL ACCESS SYSTEM	Slip-Cath HYDROPHILIC BEACON TIP CATHETER Approach Hydro ST WIRE GUIDE Approach CTO WIRE GUIDE CXI SUPPORT CATHETER Advance 14LP PTA BALLOON

FEMOROPOPLITEAL SYSTEM

Cook Medical's femoropopliteal system devices were designed to work together and provide solutions to treat femoropopliteal lesions based on physician preference and patient need. Our peripheral-specific devices are engineered to help you safely **access, target and treat** femoropopliteal disease and improve patient outcomes.

1

ACCESS

Micropuncture
Introducer Sets

Femoral
Access



Gain access for femoropopliteal procedures with Micropuncture Introducer Sets.

2

TARGET

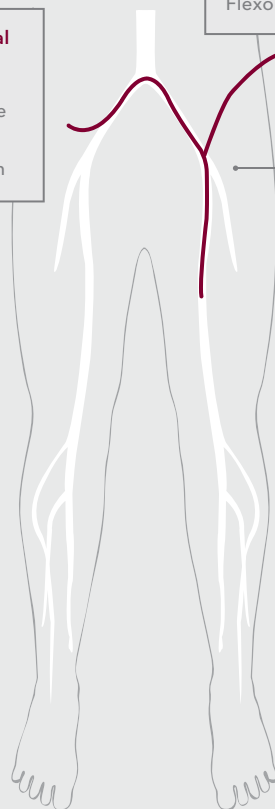
Contralateral
Approach

Flexor Raabe
Flexor Ansel
Flexor Balkin

Ipsilateral
Approach

Flexor Raabe
Flexor Ansel

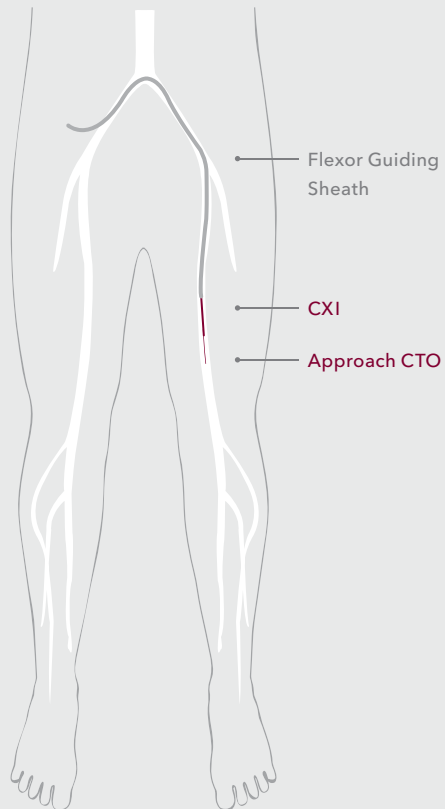
Flexor Guiding
Sheath



Target the lesion by a contralateral or ipsilateral approach using our Flexor Raabe or Flexor Ansel guiding sheaths.

3

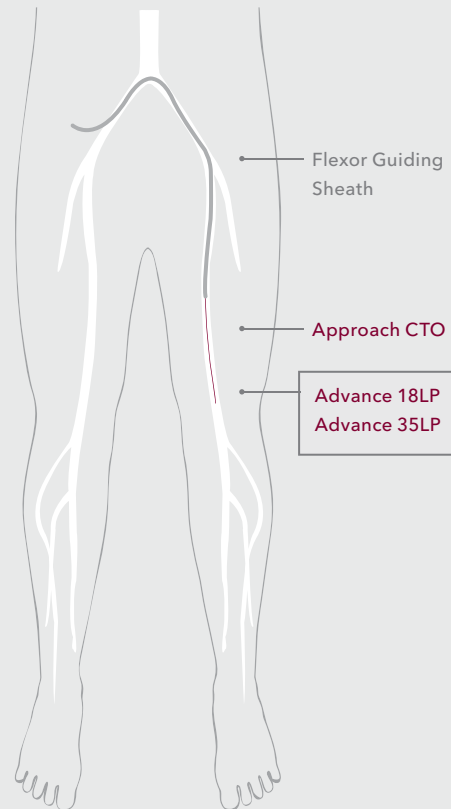
CROSS THE LESION TARGET



When crossing lesions, Flexor Guiding Sheaths provide support for the Approach CTO microwire, allowing you to cross and reach the lesion.

4

TREAT



For treatment of femoropopliteal lesions choose from the Advance 18LP or Advance 35LP PTA balloons.

ACCESS

Choosing the right minimally invasive vascular access products is a crucial step in your interventional procedure. You need options that address the differences in each patient's anatomy and your own procedural preferences.

Cook Medical's broad line of access products is designed to give you those options. Minimize access site bleeding complications⁴ and maximize procedural success.

Experience **ultra-smooth insertion**
with our Silhouette® Transitionless™ tip.

Micropuncture®

INTRODUCER SET

FEWER COMPLICATIONS

In a study by Shah et al., access site bleeding complication rates dropped from 11.7% to 2.6% when Micropuncture was used.⁴

SHARP AND SMOOTH

All sets feature Cook's renowned needles. The introducer's Silhouette Transitionless tip glides into the vessel with less force than ever before.*

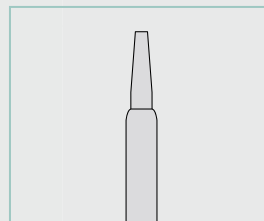
MORE OPTIONS

Choose from 4 and 5 Fr catheters, stainless steel or nitinol wires, EchoTip® needles for ultrasound visualization, and Push-Plus™ stiffened cannulas for difficult-vessel entry.

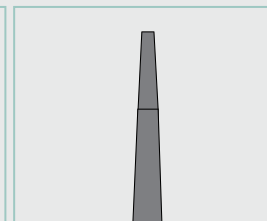
*Data on file.

Bleeding Complication Rates⁴

	Micropuncture Needle	18 gage Needle	P Value
Total	2.6%	11.7%	< 0.01
Major	0%	2.8%	



Standard



Silhouette Transitionless

ACCESS

TARGET

TREAT

Enhanced coating for
optimum performance.

HiWire®

HYDROPHILIC WIRE GUIDE

ENHANCED COATING

New and improved coating provides superior, long-lasting lubricity to facilitate diagnostic and interventional procedures.

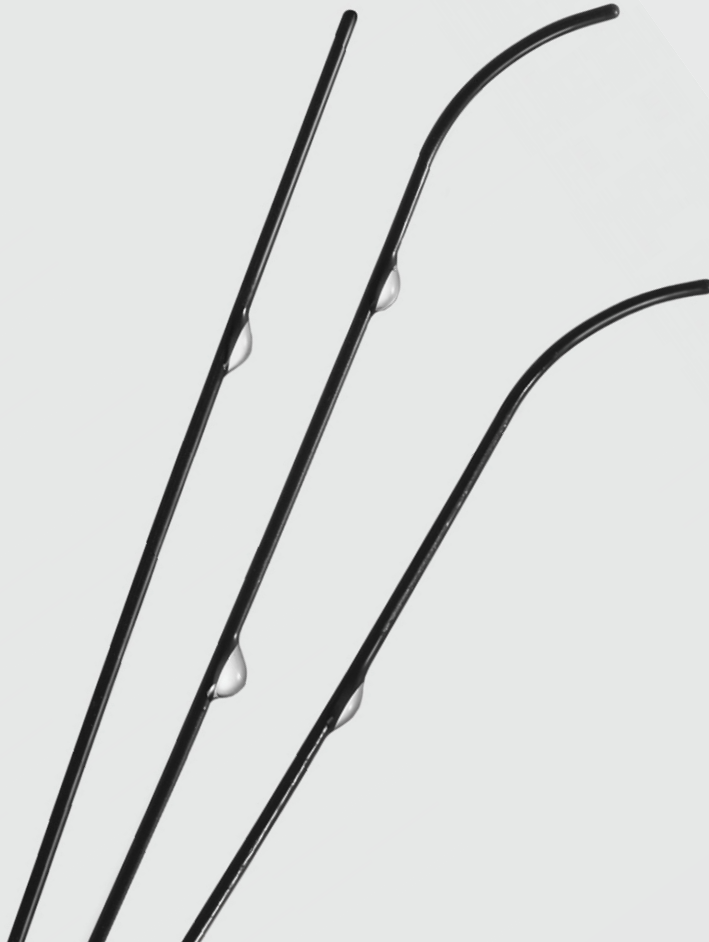
TOTAL CONTROL

Optimum shaft stiffness and tip flexibility, combined with 1:1 torque response, provide maximum directional control.

GREATER VISIBILITY

Advanced materials make the HiWire hydrophilic wire guides more radiopaque than other hydrophilic wire guides.*

*Data on file.



ACCESS

TARGET

TREAT

TARGET

When navigating through tortuous anatomy, you need every advantage—and Cook Medical products are up to the challenge. Designed to be highly visible and highly maneuverable, our low-profile products provide the pushability, trackability and kink resistance that get you to your destination.

Plus, they're available in the sizes, shapes and configurations you need for treating your patients. Confidently advance to your target while minimizing your procedure time. Cook products will get you there.

Target any vessel with Flexor confidence.

Flexor® Technology

GUIDING SHEATHS

TRACKABILITY AND CHOICE

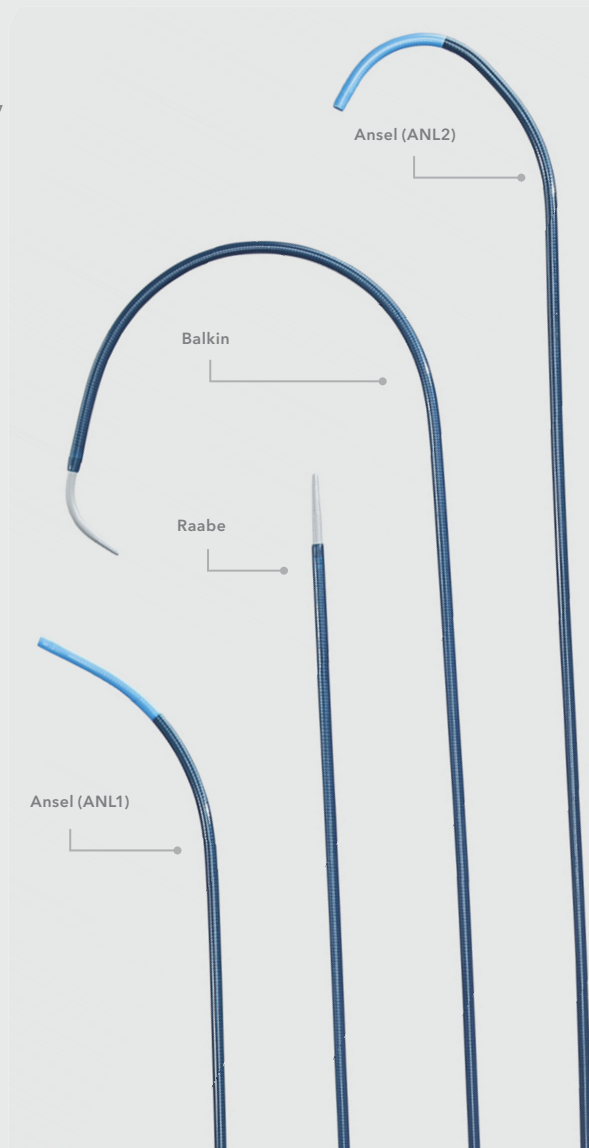
The **Flexor Ansel** offers gentle curves, a soft tip and a hydrophilic coating, which enhance trackability while .018" and .038" compatible dilators provide choice in platform.

VERSATILITY

The straight configuration of the **Flexor Raabe** sheath provides a platform able to meet your procedural needs.

DEPENDABLE

The **Flexor Balkin** has a 180° curve that anchors across the bifurcation to stabilize your contralateral access.



Trusted performance in all of your procedures,
from the everyday to the extreme.

Slip-Cath®

DIAGNOSTIC CATHETERS

EASE OF INSERTION

Slip-Cath's hydrophilic coating and tapered tip slide easily into selected vessels with minimal force.

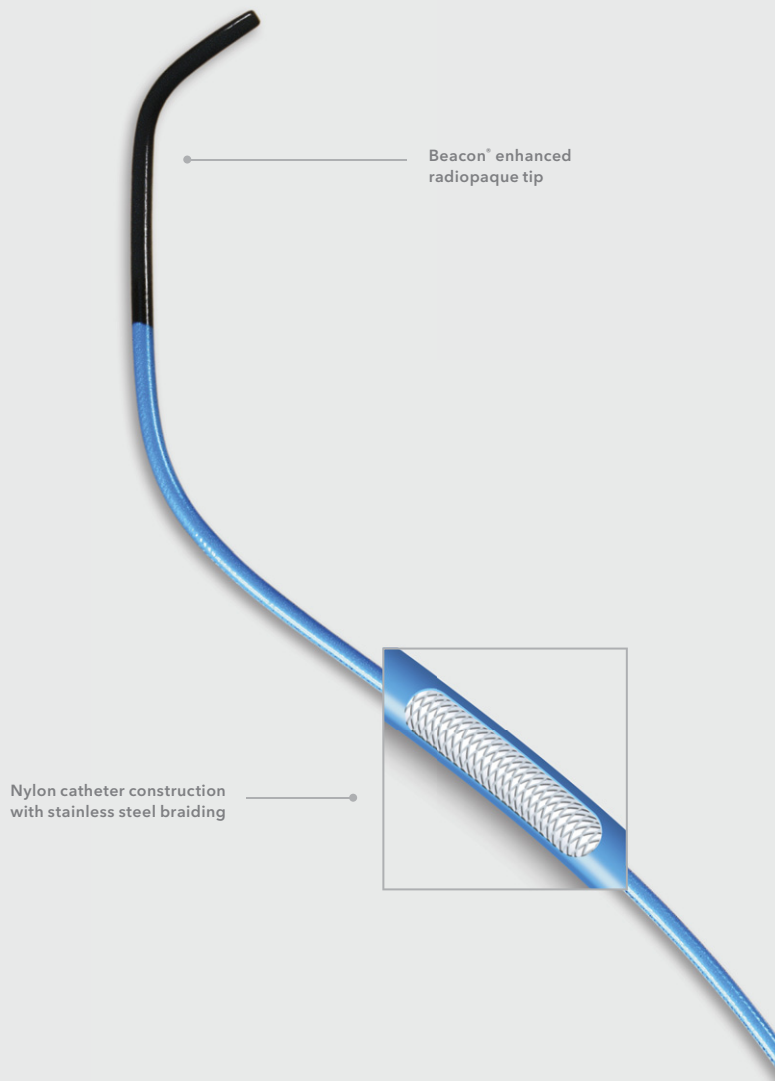
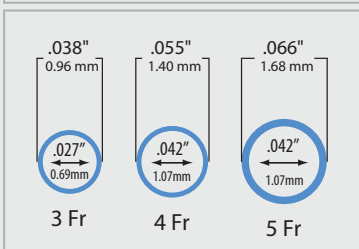
SUPERIOR VISUALIZATION

Cook's Beacon® enhanced radiopaque tip technology ensures excellent visibility during catheter manipulation.

SUPERIOR KINK RESISTANCE

Braided stainless steel construction from hub to tip provides maximum control and pushability—minimizing kinking in tight curves.

French/Diameters



ACCESS

TARGET

TREAT

Reach and cross lesions with the
true peripheral support catheter.

CXI™

SUPPORT CATHETER

DEPENDABLE TRACKABILITY

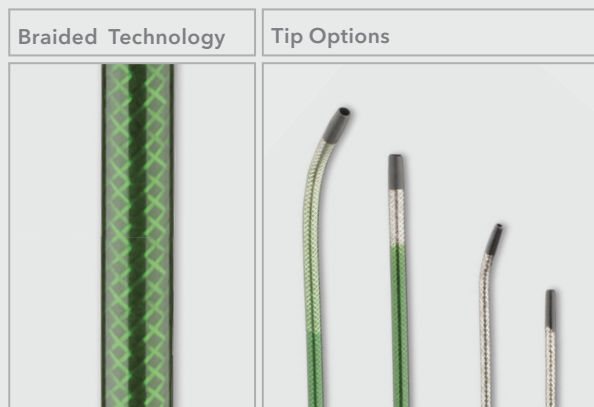
Low profile from tip to hub ensures smooth transition through small vasculature. Shaft's polymer material offers desired flexibility.

EXCEPTIONAL PUSHABILITY

Braided stainless steel construction along entire length provides exceptional pushability. Hydrophilic coating eases your way through tortuous anatomy.

ENHANCED VISIBILITY

Embedded radiopaque bands allow you to size the vessel segment length. Depth markers clearly show progression into the sheath.



ACCESS

TARGET

TREAT

Break through challenging lesions with new microwire technology.

Approach[®] CTO

MICROWIRE GUIDE

TIP STIFFNESS OPTIONS

Wide selection of tip loads for crossing challenging lesions: 6, 12, 18 and 25 grams.

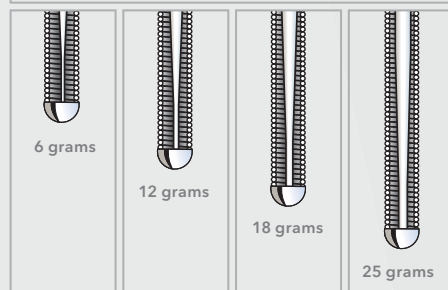
SHORTER TAPER

Shorter taper provides enhanced pushability and penetration power by focusing the force on the tip.

SUPPORTIVE SHAFT

Supportive stainless steel mandril helps navigate support catheters smoothly through the vessel.

Tip Load Options



ACCESS

TARGET

TREAT

TREAT

As an interventionalist, you have a strategy to deal with every possible turn of events during an interventional procedure. You plan, you anticipate, you prepare. The success of each procedure you undertake depends upon your skill and the quality of the products you use.

Your patient outcomes improve when you choose products whose performance is reliable. You can depend on Cook Medical. Proven products. Predictable results. Positive outcomes.

Cross lesions like never before
with the Advance 18LP balloon.

Advance® 18LP

LOW PROFILE PTA BALLOON DILATATION CATHETER

LOW PROFILE

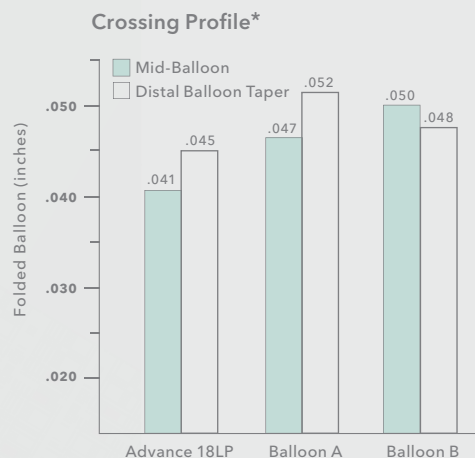
Cross lesions easily with a low balloon profile and robust pushability. Super-flexible tip maneuvers easily through tortuous vasculature.

RAPID INFLATION/DEFLATION

Optimized balloon inflation time expedites your procedure, and advanced rewrap technology provides fast balloon deflation for quick restoration of blood flow.

COMPLEMENTARY PRODUCTS

- Zilver 518 vascular stent
- 5 Fr Flexor guiding sheath
- HiWire .018" hydrophilic wire guide



* Advance 18LP (6 mm x 4 cm) compared to other leading PTA balloons. Data on file.



Unique double-lumen
design rapidly inflates
and deflates balloon

Expand your procedural options with the first 8 mm x 8 cm balloon able to pass through a 5 Fr sheath.

Advance[®] 35LP

LOW PROFILE PTA BALLOON DILATATION CATHETER

PIONEERING REWRAP TECHNOLOGY

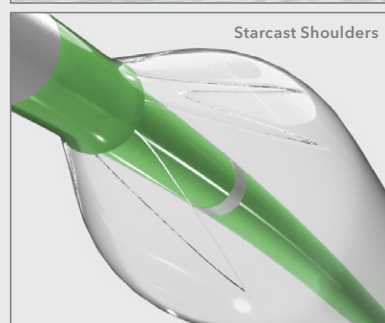
Starcast[™] Shoulders provide superior sheath compatibility and sheath reinsertion abilities.

TEXTURED BALLOON SURFACE

Pliaform[™] technology reduces surface friction. Combined with the lowest crossing profile, it eases crossing of lesions.

SUPERIOR SHAFT TECHNOLOGY

Cook's optimized D-shaped lumen design ensures rapid deflation while maintaining superb pushability and trackability.



ACCESS

TARGET

TREAT

Ordering Information

Micropuncture®

INTRODUCER SETS

Global Product Number	Order Number
.018 inch Nitinol Wire Guide – Standard Cannula	
G47942	MPIS-401-NT-SST
G43870	MPIS-501-NT-SST
.018 inch Nitinol Wire Guide – Stiffened Cannula	
G48003	MPIS-401-10.0-SC-NT-SST
G48007	MPIS-501-10.0-SC-NT-SST
.018 inch Stainless Steel Wire Guide – Standard Cannula	
G47940	MPIS-401-SST
G36333	MPIS-501-SST
.018 inch Stainless Steel Wire Guide – Stiffened Cannula	
G48002	MPIS-401-10.0-SC-SST
G48006	MPIS-501-10.0-SC-SST

HiWire®

HYDROPHILIC WIRE GUIDES

Global Product Number	Order Number
Standard Shaft – Angled Tip	
G36282	HWA-35-150
G36284	HWA-35-180
G36300	HWA-35-260
Stiff Shaft – Angled Tip	
G36290	HWAS-35-150
G36292	HWAS-35-180
G36293	HWAS-35-260
Stiff Shaft – Straight Tip	
G36291	HWS-35-150
G36326	HWS-35-180
G36327	HWS-35-260

ACCESS

TARGET

TREAT

Ordering Information

Flexor®

GUIDING SHEATHS

Global Product Number	Order Number
Flexor Raabe	
G13009	KCFW-5.0-38-55-RB-RAABE
G11638	KCFW-6.0-38-55-RB-RAABE
G11633	KCFW-7.0-38-55-RB-RAABE
G12242	KCFW-8.0-38-55-RB-RAABE
Flexor Balkin	
G12656	KCFW-5.5-38-40-RB-BLKN
G10383	KCFW-6.0-38-40-RB-BLKN
G10384	KCFW-7.0-38-40-RB-BLKN
G10385	KCFW-8.0-38-40-RB-BLKN
G32224	KCFW-6.0-38-40-RB-BLKN-HC
G32225	KCFW-7.0-38-40-RB-BLKN-HC
G32216	KCFW-8.0-38-40-RB-BLKN-HC
Flexor Ansel	
G48186	KCFW-4.0-18/35-45-RB-ANL0-HC
G44153	KCFW-5.0-18/38-45-RB-ANL0-HC
G29981	KCFW-5.0-18/38-45-RB-ANL1-HC
G30117	KCFW-5.0-18/38-45-RB-ANL2-HC
G44154	KCFW-6.0-18/38-45-RB-ANL0-HC
G29982	KCFW-6.0-18/38-45-RB-ANL1-HC
G29983	KCFW-6.0-18/38-45-RB-ANL2-HC
G44155	KCFW-7.0-18/38-45-RB-ANL0-HC
G29985	KCFW-7.0-18/38-45-RB-ANL1-HC
G29986	KCFW-7.0-18/38-45-RB-ANL2-HC
G49099	KCFW-8.0-18/38-45-RB-ANL0-HC
G49101	KCFW-9.0-18/38-45-RB-ANL0-HC
G49102	KCFW-9.0-18/38-45-RB-ANL1-HC
G47700	KCFW-10.0-35-45-RB-HFANL1-HC
G47701	KCFW-12.0-35-45-RB-HFANL1-HC

Performer™ Micropuncture®

INTRODUCERS

Global Product Number	Order Number
G53198	RCFN-4.0-18-MPIS-NT-BV
G53199	RCFN-5.0-18-MPIS-NT-BV
G53200	RCFN-6.0-18-MPIS-NT-BV
G53201	RCFN-7.0-18-MPIS-NT-BV
G53202	RCFN-8.0-18-MPIS-NT-BV

ACCESS

TARGET

TREAT

Ordering Information

Slip-Cath®

BEACON® TIP ANGIOGRAPHIC CATHETERS

Global Product Number	Order Number
G31019	SCBR4.0-38-65-P-NS-KMP
G31004	SCBR4.0-38-100-P-NS-DAV
G31020	SCBR4.0-38-100-P-NS-KMP
G31021	SCBR4.0-38-65-P-NS-C2
G31022	SCBR4.0-38-100-P-NS-C2
G36319	SCBR4.0-38-65-P-NS-TC
G36321	SCBR4.0-38-65-P-NS-TC-BNK
G11994	SCBR5.0-38-65-P-NS-C2
G11995	SCBR5.0-38-65-P-NS-RIM
G11996	SCBR5.0-38-100-P-NS-DAV
G12009	SCBR5.0-38-65-P-NS-0
G12005	SCBR5.0-38-100-P-NS-0
G12006	SCBR5.0-38-80-P-NS-C2
G12156	SCBR5.0-38-65-P-NS-KMP
G13431	SCBR5.0-38-80-P-NS-VS
G36320	SCBR5.0-38-65-P-NS-TC
G36322	SCBR5.0-38-65-P-NS-TC-BNK

CXI™

SUPPORT CATHETERS

Global Product Number	Order Number
.018 inch Wire Guide	
G50004	CXI-2.6-18-90-P-NS-0
G50001	CXI-2.6-18-150-P-NS-0
G50002	CXI-2.6-18-90-P-NS-ANG
G50003	CXI-2.6-18-150-P-NS-ANG
.035 inch Wire Guide	
G52546	CXI-4.0-35-90-P-NS-0
G52542	CXI-4.0-35-135-P-NS-0
G52544	CXI-4.0-35-150-P-NS-0
G52547	CXI-4.0-35-90-P-NS-DAV
G52543	CXI-4.0-35-135-P-NS-DAV
G52545	CXI-4.0-35-150-P-NS-DAV

Approach® CTO

MICROWIRE WIRE GUIDES

Global Product Number	Order Number
G50782	CMW-14-135-6G
G50783	CMW-14-135-12G
G50784	CMW-14-135-18G
G50785	CMW-14-135-25G
G50786	CMW-14-190-6G
G50787	CMW-14-190-12G
G50788	CMW-14-190-18G
G50789	CMW-14-190-25G
G50790	CMW-14-300-6G
G50791	CMW-14-300-12G
G50792	CMW-14-300-18G
G50793	CMW-14-300-25G

Ordering Information

Advance® 18LP

LOW-PROFILE PTA BALLOON DILATATION CATHETERS

Global Product Number	Order Number
.018 inch Wire Guide – 135 cm Shaft	
G50226	PTA4-18-135-4-2
G50228	PTA4-18-135-4-4
G50230	PTA4-18-135-4-6
G49479	PTA4-18-135-4-8
G50233	PTA4-18-135-4-10
G50235	PTA4-18-135-5-2
G50237	PTA4-18-135-5-4
G50239	PTA4-18-135-5-6
G50241	PTA4-18-135-5-8
G50243	PTA4-18-135-5-10
G50245	PTA4-18-135-6-2
G50247	PTA4-18-135-6-4
G50249	PTA4-18-135-6-6
G50251	PTA4-18-135-6-8
G50253	PTA4-18-135-6-10
G50255	PTA4-18-135-7-2
G50257	PTA4-18-135-7-4
G50259	PTA4-18-135-7-6
G50262	PTA4-18-135-7-8
G50264	PTA4-18-135-7-10

Advance® 35LP

LOW-PROFILE PTA BALLOON DILATATION CATHETERS

Global Product Number	Order Number
.035 inch Wire Guide – 135 cm Shaft	
G52251	PTA5-35-135-4-2.0
G52252	PTA5-35-135-4-4.0
G52253	PTA5-35-135-4-8.0
G52254	PTA5-35-135-4-10.0
G52256	PTA5-35-135-4-14.0
G52257	PTA5-35-135-5-2.0
G52258	PTA5-35-135-5-4.0
G52260	PTA5-35-135-5-8.0
G52261	PTA5-35-135-5-10.0
G52263	PTA5-35-135-5-14.0
G52264	PTA5-35-135-6-2.0
G52265	PTA5-35-135-6-4.0
G52267	PTA5-35-135-6-8.0
G52268	PTA5-35-135-6-10.0
G52270	PTA5-35-135-6-14.0
G52271	PTA5-35-135-7-2.0
G52272	PTA5-35-135-7-4.0
G52274	PTA5-35-135-7-8.0
G52275	PTA5-35-135-7-10.0
G52277	PTA5-35-135-7-14.0

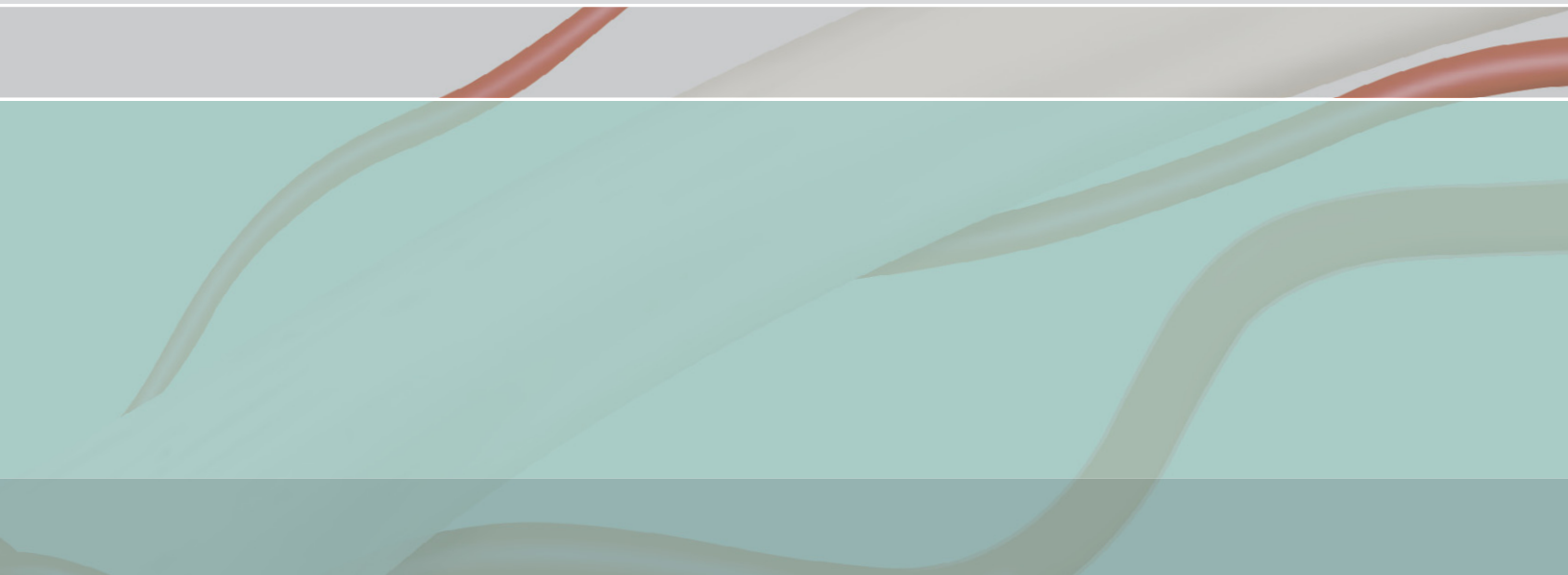
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2. Creager M. PAD: The science base for messages. Presented at: NHLBI Workshop on Peripheral Arterial Disease (PAD): Developing a Public Awareness Campaign; January 15, 2003; Bethesda, MA.
3. Save a Leg, Save a Life Foundation. Amputations facts. Save a Leg, Save a Life Foundation Web site. <http://www.savealegsavealife.com>. Accessed November 4, 2009.
4. Shah H, Bansal A, Srinivasan V, et al. Vascular access site bleeding complications with Micropuncture needle in patients undergoing cardiac catheterization: a comparison with conventional Cook needle. Poster presented at: The Society for Cardiovascular Angiography and Interventions 29th Annual Scientific Sessions; May 10-13, 2006; Chicago, IL. Abstract D-45.

ACCESS

TARGET

TREAT



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AORTIC
INTERVENTION

CRITICAL
CARE

ENDOSCOPY

INTERVENTIONAL
RADIOLOGY

LEAD
MANAGEMENT

PERIPHERAL
INTERVENTION

SURGERY

UROLOGY

WOMEN'S
HEALTH