

Abbott Vascular Product Portfolio

CORONARY »

ENDOVASCULAR »

CARDIOVASCULAR.
COMMITTED.



Coronary



Abbott Vascular focuses on improving treatment options for coronary artery disease, providing a complete solution from ACCESS, to DIAGNOSE, TREAT, CONFIRM and CLOSE with confidence.

At Abbott, we work on next-generation breakthroughs that have the potential to improve the way doctors treat people with coronary disease. Our products and solutions reflect the high quality and safety of care, combined with optimal outcomes for patients and long-term efficiency. Our best-in-class coronary solutions include

introducers and guide wires to access a lesion and drug-eluting stents, bare metal stents and coronary dilatation catheters to treat it. Now, we offer you our new OCT imaging and physiology solutions to help you correctly diagnose and confirm your treatment in the best possible way.

We advance the treatment of heart and vascular disease to allow people to restore their health and get on with their lives.

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**TEMPORARY BIPOLAR
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BARE METAL STENTS

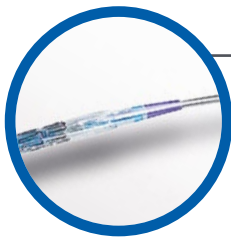
MULTI-LINK 8™

Coronary Stent System



More than 10 million implants with Multi-Link design

- Cobalt chromium technology and thin struts
- Multi-Link design with 3 links per ring for excellent strength, support on a bend, flexibility and uniform scaffolding
- 2 stent designs with broad post expansion range for accurate sizing



Advanced stent delivery system

- **Lesion access:** Flexible distal shaft and smooth rounded tip
- **Precision:** Stent edges placed mid marker and virtually no shortening upon deployment



Pushability

Reinforced supportive hypotube enables smooth transmission of force

Trackability

Smooth rounded tip tracks closely to the Guide Wire



TECHNICAL SPECIFICATIONS

STENT SPECIFICATIONS		
Stent Design	MULTI-LINK, 3-3-3, non-linear link	
Stent Material	L-605 Cobalt Chromium	
Strut Thickness	0.0032"	
MRI Compatibility	MR conditional (see IFU for specific conditions)	
Shortening*	-0.11% for 3.0 x 18 mm	
Maximum Expansion Diameter	SIZE	MAX EXPANSION
	2.25-2.5 mm	3.25 mm
	2.75-3.0 mm	3.75 mm
	3.5-4.0 mm	4.5 mm

DELIVERY SYSTEM SPECIFICATIONS				
Balloon Material	Pebax			
Nominal Pressure	Size	Nominal Pressure		
	2.25-2.5 mm	8 atm		
	2.75 mm	9 atm		
	3.0-4.0 mm	10 atm		
Rated Burst Pressure	18 atm (for all sizes)			
Shaft Measurements	PROXIMAL **	MID**	NOTCH	DISTAL **
	0.031"	0.037"	0.039"	0.034"
Crossing Profile	0.041" for 3.0 x 18 mm MULTI-LINK 8			
Tip Entry Profile	Size	Tip Entry Profile		
	2.25-3.0 mm	Max 0.022"		
	3.5-4.0 mm	Max 0.024"		
Working Catheter Length	143 cm			
Minimum Guide Catheter	5F			

ORDERING INFORMATION

MULTI-LINK 8™								
STENT DIAMETER (MM)	STENT LENGTH (MM)							
	8	12	15	18	23	28	33	38
2.25	1012164-08	1012164-12	1012164-15	1012164-18	1012164-23	1012164-28		
2.5	1012165-08	1012165-12	1012165-15	1012165-18	1012165-23	1012165-28	1012165-33	1012165-38
2.75	1012166-08	1012166-12	1012166-15	1012166-18	1012166-23	1012166-28	1012166-33	1012166-38
3.0	1012167-08	1012167-12	1012167-15	1012167-18	1012167-23	1012167-28	1012167-33	1012167-38
3.5	1012168-08	1012168-12	1012168-15	1012168-18	1012168-23	1012168-28	1012168-33	1012168-38
4.0	1012169-08	1012169-12	1012169-15	1012169-18	1012169-23	1012169-28	1012169-33	1012169-38

 MULTI-LINK 8™

 MULTI-LINK 8™ LL

 MULTI-LINK 8™ SV

* Size tested 3.0 x 18 mm

** Maximum shaft measurements

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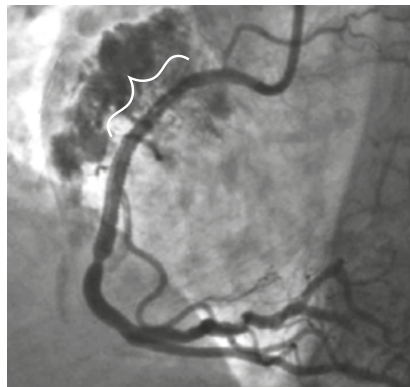
GRAFTMASTER™

RX Coronary Stent Graft System

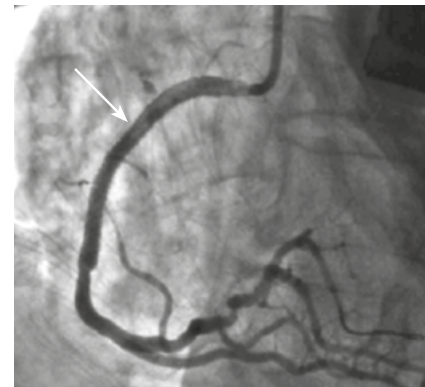
DESIGNED TO SAVE LIVES

**GRAFTMASTER™ represents
an excellent interventional
choice
in acute situations**

- Perforations
- Ruptures
- Aneurysms
- Bypass vein grafts



Multi-hole perforation



Placement of a 4.0 x 19 mm
GRAFTMASTER™

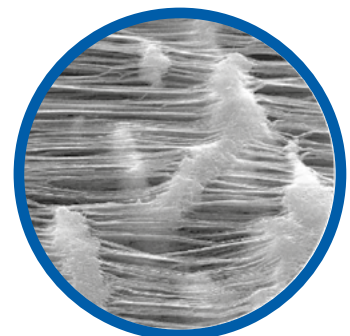
Radial strength and visibility

Spiral flex design allows the stent to exert maximum radial strength, and has outstanding visibility due to its unique sandwich design



Expandable ePTFE graft material

ePTFE graft material is specifically developed by Abbott Vascular for integrating into a stent graft system and constructed to allow expansion in one direction, while remaining rigid longitudinally



POWERED TO DELIVER

- Advanced stent delivery system for improved deliverability†
 - **Pushability:** Reinforced supportive hypotube enables smooth transmission of force
 - **Trackability:** Smooth rounded tip tracks closely to the Guide Wire
- Low profile design for lesion access

Improved deliverability in complex anatomy †



The photo shows a simulated arterial model. The colored lines indicate the average distance each catheter was able to be delivered within complex anatomy. Product tested 3.0 x 26 mm.

JOSTENT GRAFTMASTER RX
(First Generation)

GRAFTMASTER RX



TECHNICAL INFORMATION

GRAFTMASTER™ Diameter	2.8 – 4.0 mm	4.5 – 4.8 mm
Stent Material	Stainless Steel 316L	Stainless Steel 316L
Graft Material	Expandable Polytetrafluoroethylene (ePTFE) sandwiched between two identical stents	Expandable Polytetrafluoroethylene (ePTFE) sandwiched between two identical stents
Double Wall Thickness (mm)	0.52	0.52
Balloon Material	Semi Compliant	Semi Compliant
Shaft Size (F)	2.4 – 2.8	2.4 – 2.8
Minimum Deployment Pressure (ATM)	15	15
Rated Burst Pressure (ATM)	16	16
Minimum Guide Wire (in)	0.014	0.014
Usable Length (cm)	143	143
Maximum Stent Graft Expansion (mm)*	5.5	5.5
Minimum Guide Catheter (in) / F	0.068 / ≥ 6	0.074 / ≥ 7
Crimped Stent Profile (in)	0.064	0.068
Tip Entry Profile (in)	0.024	0.024
Average Crossing Profile (in)	0.064	0.068

ORDERING INFORMATION

GRAFTMASTER™

STENT DIAMETER (MM)	STENT LENGTH (MM)		
	16	19	26
2.8	1012817-16	1012817-19	1012817-26
3.5	1012818-16	1012818-19	1012818-26
4.0	1012819-16	1012819-19	1012819-26
4.5	1012820-16	1012820-19	1012820-26
4.8	1012821-16	1012821-19	1012821-26

* As indicated in the IFU.

† As compared to the JOSTENT™ GRAFTMASTER™ RX. GRAFTMASTER™ RX has been relabeled to 2.8 mm from 3.0 mm.

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GUIDE WIRES WORKHORSE

HI-TORQUE TURNTRAC™

Workhorse Guide Wire

OPTIMIZED CORE AND TIP DESIGN FOR 1:1 TORQUE RESPONSE AND DURABILITY

Uniquely cold worked round nitinol tip

- For a shapeable, precise, and durable tip

RESPONSEASE parabolic grind

- Designed for excellent tracking and 1:1 torque response

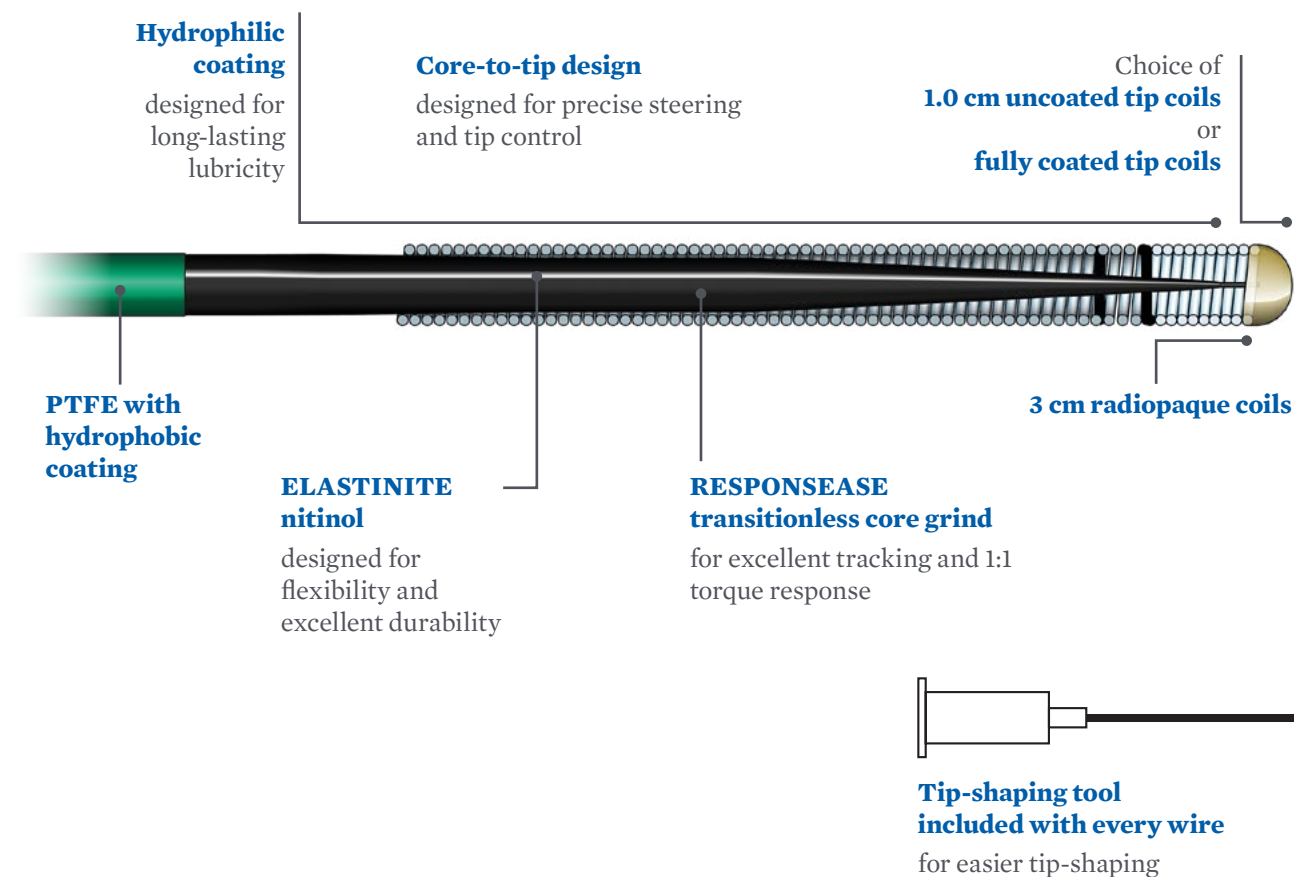
Nitinol core-to-tip

- For outstanding core and tip durability

Tip coating options

- Optional 1.0 cm uncoated tip coils for maximum tactile feel





ORDERING INFORMATION

HI-TORQUE TURNTRAC FLEX™	COVER	TIP LOAD	COATING	CORE	STRUCTURE
	BARE COILS	0.6g	HYDROPHILIC	ELASTINITE NITINOL	CORE-TO-TIP
PRODUCT DESCRIPTION	PART NUMBER	TIP LOAD (G)	TIP COATING	WIRE LENGTH (CM)	TIP SHAPE
HI-TORQUE TURNTRAC™ Flex	1020009	0.6	Coated	190	Straight
HI-TORQUE TURNTRAC™ Flex	1020010	0.6	Uncoated	190	Straight
HI-TORQUE TURNTRAC™ Flex	1020011	0.6	Coated	300	Straight
HI-TORQUE TURNTRAC™ Flex	1020012	0.6	Uncoated	300	Straight
HI-TORQUE TURNTRAC™ Flex	1020009J	0.6	Coated	190	J
HI-TORQUE TURNTRAC™ Flex	1020010J	0.6	Uncoated	190	J

HI-TORQUE TURNTRAC™	COVER	TIP LOAD	COATING	CORE	STRUCTURE
	BARE COILS	0.8g	HYDROPHILIC	ELASTINITE NITINOL	CORE-TO-TIP
PRODUCT DESCRIPTION	PART NUMBER	TIP LOAD (G)	TIP COATING	WIRE LENGTH (CM)	TIP SHAPE
HI-TORQUE TURNTRAC™ Flex	1020013	0.8	Coated	190	Straight
HI-TORQUE TURNTRAC™ Flex	1020014	0.8	Uncoated	190	Straight
HI-TORQUE TURNTRAC™ Flex	1020015	0.8	Coated	300	Straight
HI-TORQUE TURNTRAC™ Flex	1020016	0.8	Uncoated	300	Straight
HI-TORQUE TURNTRAC™ Flex	1020013J	0.8	Coated	190	J
HI-TORQUE TURNTRAC™ Flex	1020014J	0.8	Uncoated	190	J

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Abbott

HI-TORQUE BALANCE MIDDLEWEIGHT UNIVERSAL™ & UNIVERSAL II™

Workhorse Guide Wire

A FAVOURITE JUST GOT BETTER

Myocardial infarction

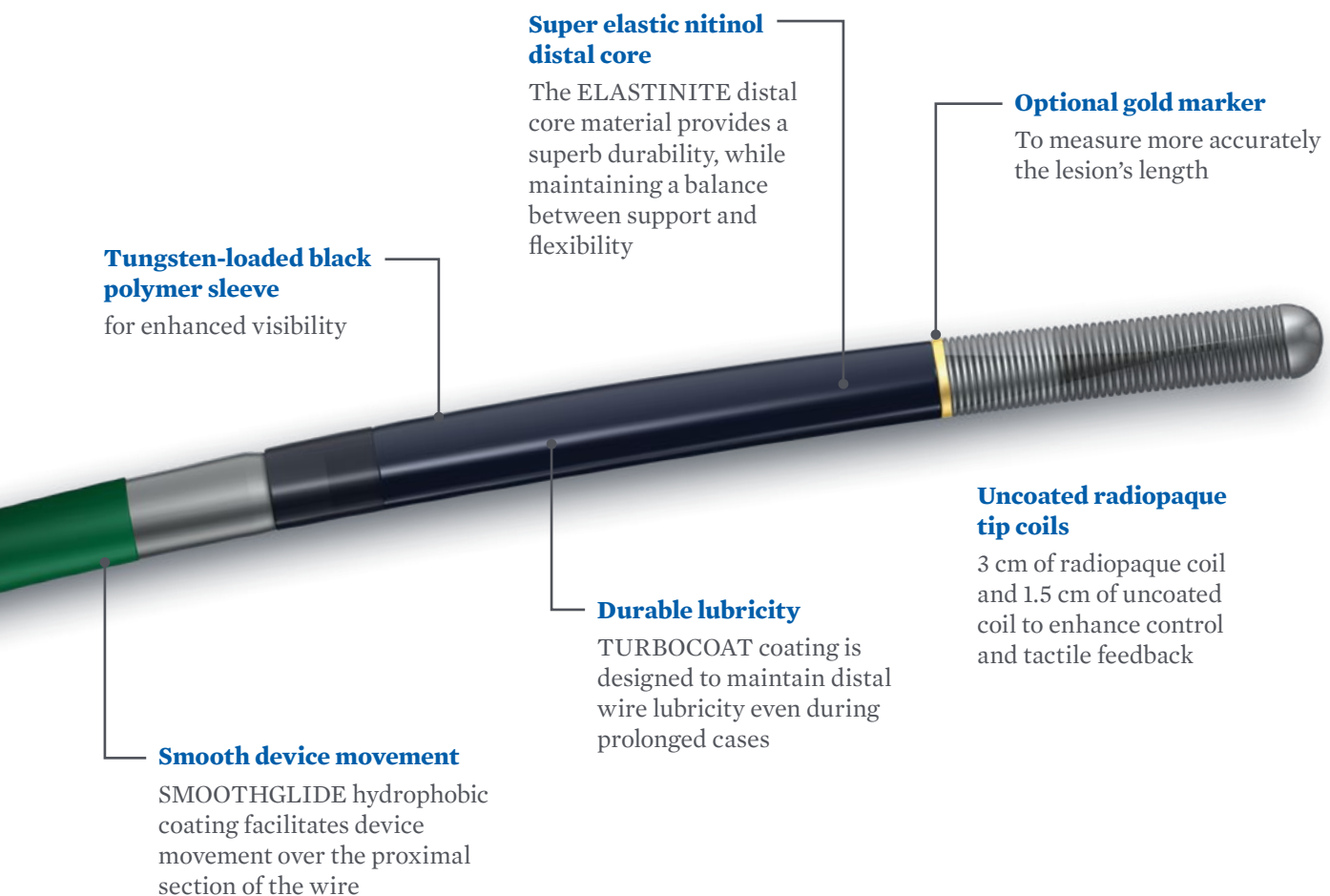
- Shaping ribbon for atraumatic soft tip

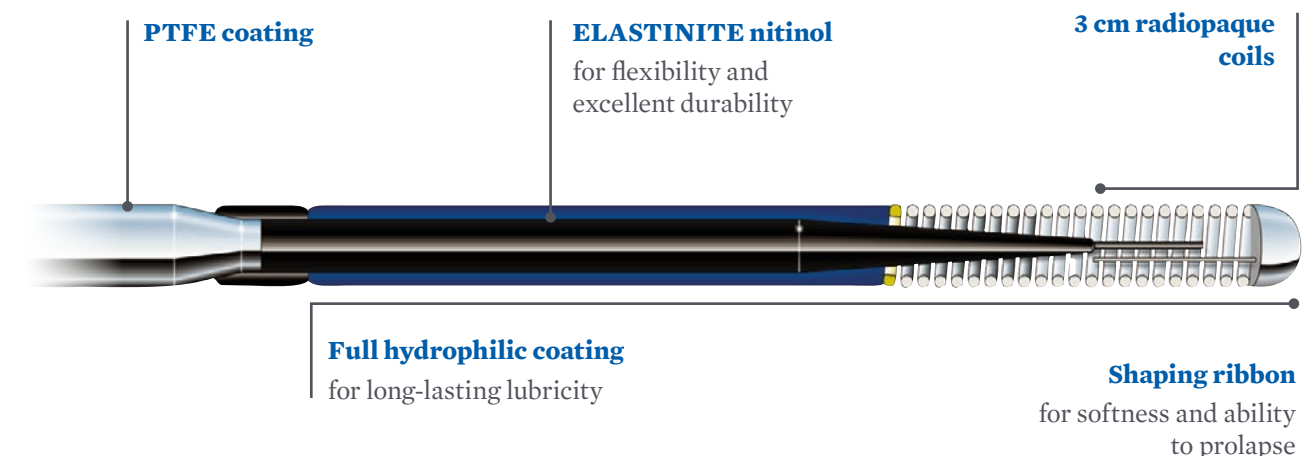
Calcified lesion

- Intermediate polymer sleeve for optimal lubricity

Multi-vessel

- Nitinol core for outstanding wire durability for frontline cases





ORDERING INFORMATION

HI-TORQUE BALANCE MIDDLEWEIGHT UNIVERSAL™	COVER INTERMEDIATE POLYMER SLEEVE	TIP LOAD 0.6g	COATING HYDROPHILIC	CORE ELASTINITE NITINOL	TIP STYLE SHAPING RIBBON
PRODUCT DESCRIPTION	PART NUMBER	WIRE LENGTH (CM)	TIP SHAPE	RADIOPAQUE TIP LENGTH (CM)	
HI-TORQUE BALANCE MIDDLEWEIGHT UNIVERSAL™	1009660	190	Straight	3	
HI-TORQUE BALANCE MIDDLEWEIGHT UNIVERSAL™	1009660J	190	J	3	
HI-TORQUE BALANCE MIDDLEWEIGHT UNIVERSAL™	1009661	300	Straight	3	
HI-TORQUE BALANCE MIDDLEWEIGHT UNIVERSAL™	1009661J	300	J	3	

HI-TORQUE BALANCE MIDDLEWEIGHT UNIVERSAL II™	COVER INTERMEDIATE POLYMER SLEEVE	TIP LOAD 0.7g	COATING HYDROPHILIC	CORE ELASTINITE NITINOL	TIP STYLE SHAPING RIBBON
PRODUCT DESCRIPTION	PART NUMBER	WIRE LENGTH (CM)	TIP SHAPE	RADIOPAQUE TIP LENGTH (CM)	
HI-TORQUE BALANCE MIDDLEWEIGHT UNIVERSAL II™	1009664	190	Straight	3	
HI-TORQUE BALANCE MIDDLEWEIGHT UNIVERSAL II™	1009664J	190	J	3	
HI-TORQUE BALANCE MIDDLEWEIGHT UNIVERSAL II™	1009665	300	Straight	3	
HI-TORQUE BALANCE MIDDLEWEIGHT UNIVERSAL II™	1009665J	300	J	3	

WITH MARKERS

HI-TORQUE BALANCE MIDDLEWEIGHT UNIVERSAL II™	COVER INTERMEDIATE POLYMER SLEEVE	TIP LOAD 0.7g	COATING HYDROPHILIC	CORE ELASTINITE NITINOL	TIP STYLE SHAPING RIBBON
PRODUCT DESCRIPTION	PART NUMBER	WIRE LENGTH (CM)	TIP SHAPE	RADIOPAQUE TIP LENGTH (CM)	
HI-TORQUE BALANCE MIDDLEWEIGHT UNIVERSAL II™	1009664	190	Straight	3	
HI-TORQUE BALANCE MIDDLEWEIGHT UNIVERSAL II™	1009664J	190	J	3	
HI-TORQUE BALANCE MIDDLEWEIGHT UNIVERSAL II™	1009665	300	Straight	3	
HI-TORQUE BALANCE MIDDLEWEIGHT UNIVERSAL II™	1009665J	300	J	3	

WITHOUT MARKERS

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HI-TORQUE BALANCE MIDDLEWEIGHT™

Workhorse Guide Wire

LEADING THE WAY IN GUIDE WIRE TECHNOLOGY

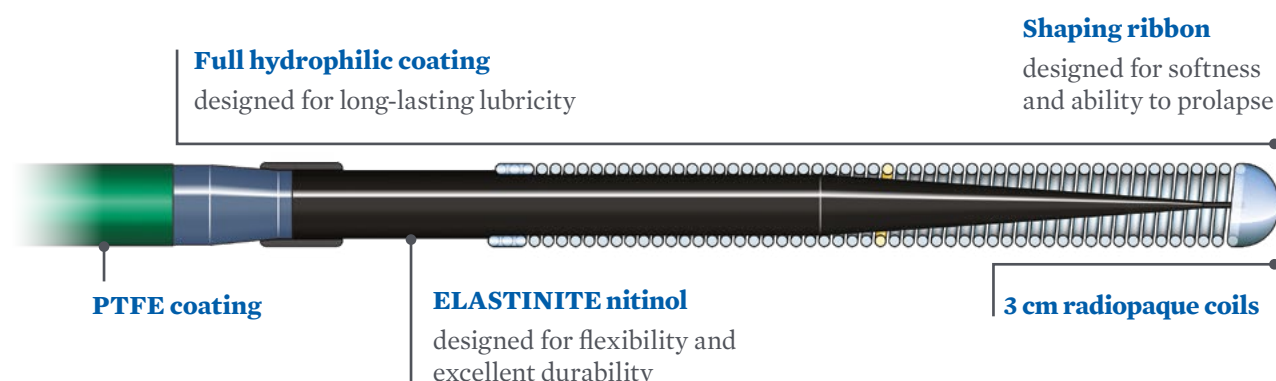
As the brand name states, the HI-TORQUE BALANCE MIDDLEWEIGHT™ (BMW) Guide Wire offers a perfect balance of all the main features that a Workhorse Guide Wire must have, support, gentle but steerable tip and performance.

Shaping ribbon

- Soft tip designed to facilitate a safe approach

Nitinol distal core

- The ELASTINITE distal core increases the kink resistance and durability of the wire



ORDERING INFORMATION

HI-TORQUE BALANCE MIDDLEWEIGHT™	COVER	TIP LOAD	COATING	CORE	TIP STYLE
	BARE COILS	0.6g	HYDROPHILIC	ELASTINITE NITINOL	SHAPING RIBBON
PRODUCT DESCRIPTION	PART NUMBER	WIRE LENGTH (CM)	TIP SHAPE	RADIOPAQUE TIP LENGTH (CM)	
HI-TORQUE BALANCE MIDDLEWEIGHT™	1001780-HC	190	Straight	3	
HI-TORQUE BALANCE MIDDLEWEIGHT™	1001780J-HC	190	J	3	
HI-TORQUE BALANCE MIDDLEWEIGHT™	1001782-HC	300	Straight	3	
HI-TORQUE BALANCE MIDDLEWEIGHT™	1001782J-HC	300	J	3	

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Abbott

HI-TORQUE VERSATURN™

Workhorse Guide Wire

CHOSEN BY PHYSICIANS... FOR PHYSICIANS*

Core-to-tip

- Designed for precise steering and tip control

RESPONSEASE parabolic grind

- Designed for excellent tracking and 1:1 torque response

Tip coating options

- Uncoated tip coils for maximum tactile feel.
Optional 1.0 cm uncoated tip coils for maximum tactile feel

Nitinol core-to-tip

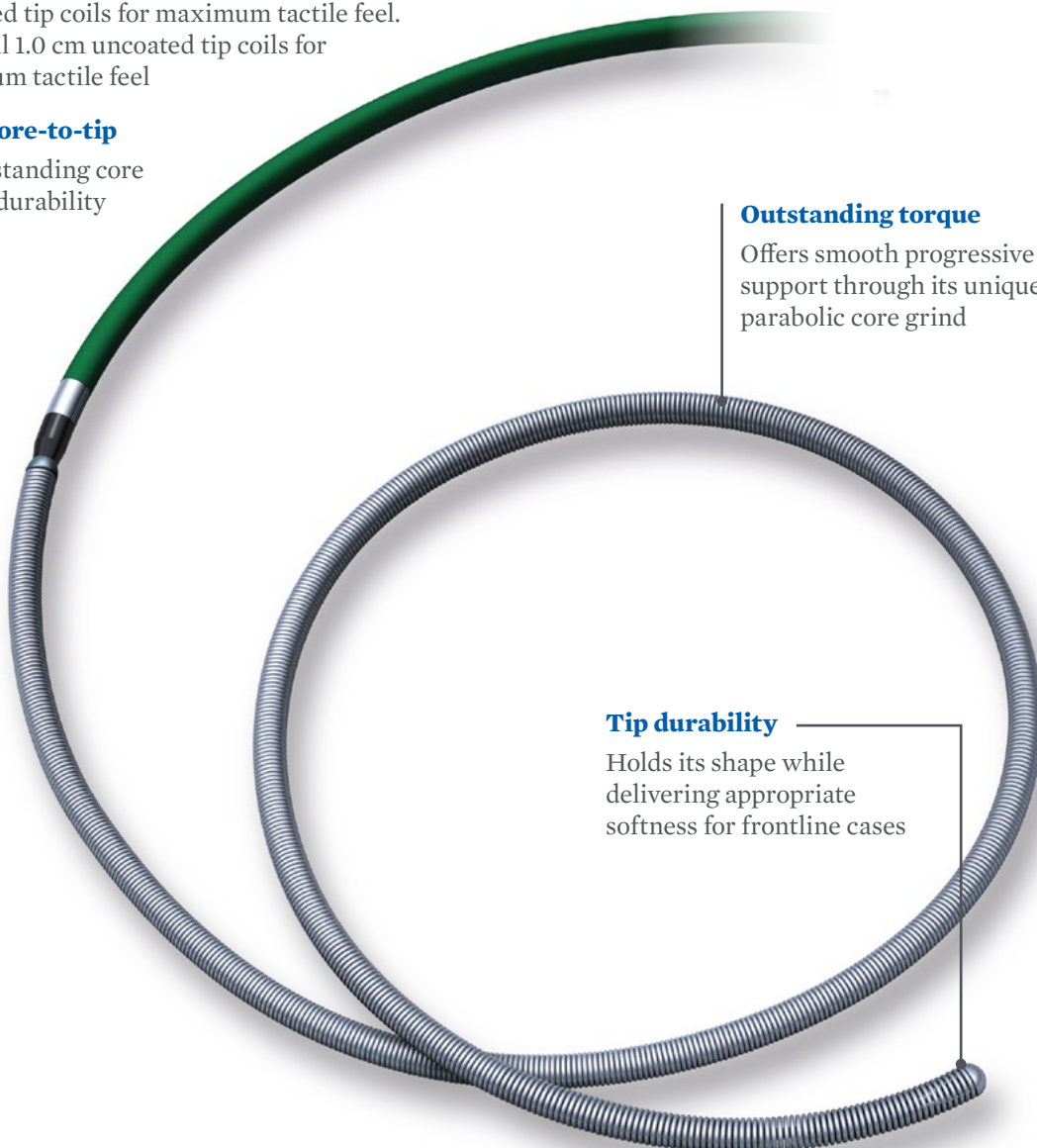
- For outstanding core and tip durability

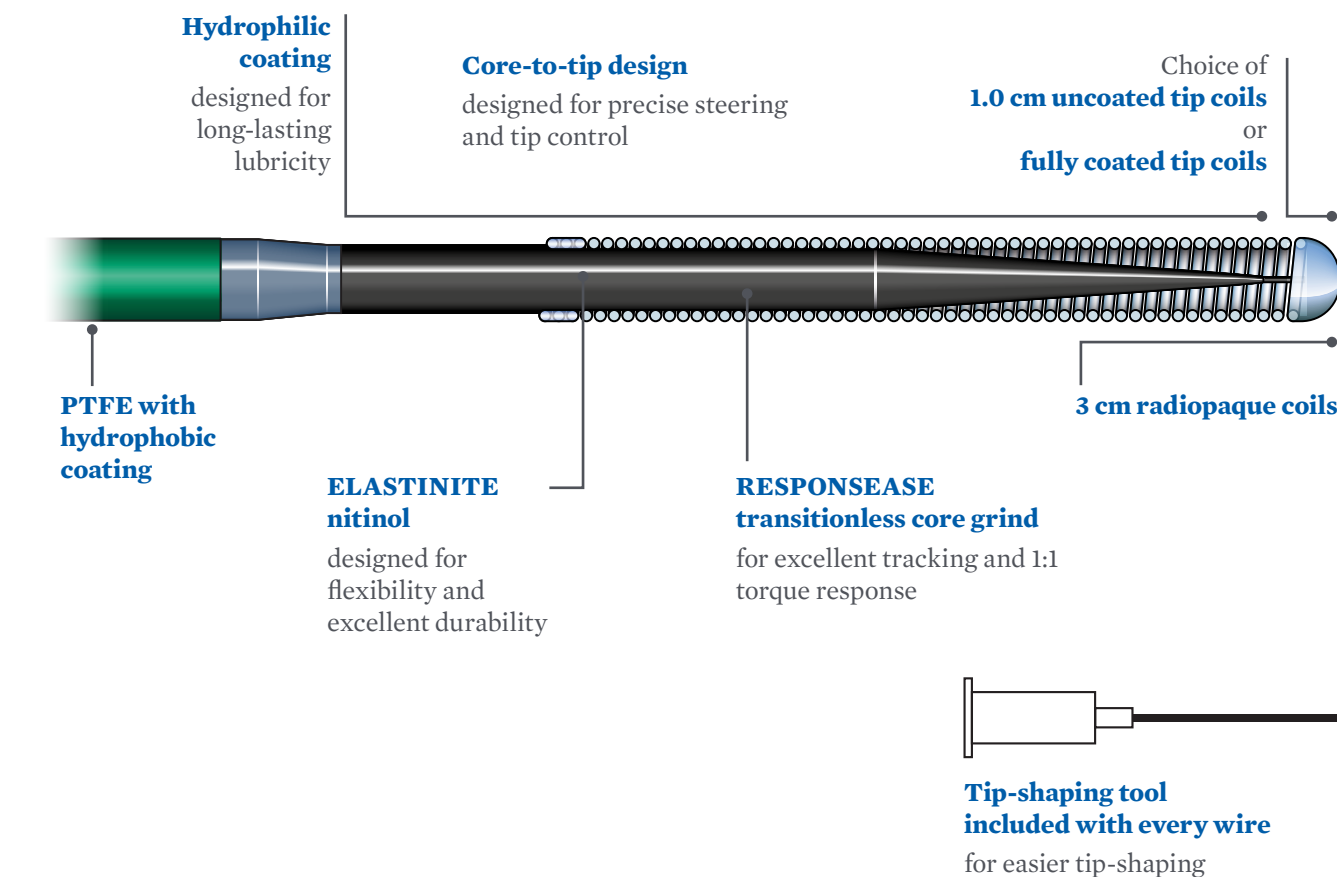
Outstanding torque

Offers smooth progressive support through its unique parabolic core grind

Tip durability

Holds its shape while delivering appropriate softness for frontline cases





ORDERING INFORMATION

FULLY COATED	HI-TORQUE VERSATURN™					
	COVER	TIP LOAD	COATING	CORE	STRUCTURE	
	BARE COILS	0.8g	HYDROPHILIC	ELASTINITE NITINOL	CORE-TO-TIP	
1CM UNCOATED	PRODUCT DESCRIPTION	PART NUMBER	WIRE LENGTH (CM)	TIP SHAPE	RADIOPAQUE TIP LENGTH (CM)	
	HI-TORQUE VERSATURN™	1013317	190	Straight	3	
	HI-TORQUE VERSATURN™	1013317J	190	J	3	

1CM UNCOATED	HI-TORQUE VERSATURN™					
	COVER	TIP LOAD	COATING	CORE	STRUCTURE	
	BARE COILS	0.8g	HYDROPHILIC	ELASTINITE NITINOL	CORE-TO-TIP	
1CM UNCOATED	PRODUCT DESCRIPTION	PART NUMBER	WIRE LENGTH (CM)	TIP SHAPE	RADIOPAQUE TIP LENGTH (CM)	
	HI-TORQUE VERSATURN™	1013319	190	Straight	3	
	HI-TORQUE VERSATURN™	1013319J	190	J	3	

* Support level and tip load determined based on physician feedback during post-market evaluations.

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HI-TORQUE BALANCE MIDDLEWEIGHT ELITE™

Workhorse Guide Wire

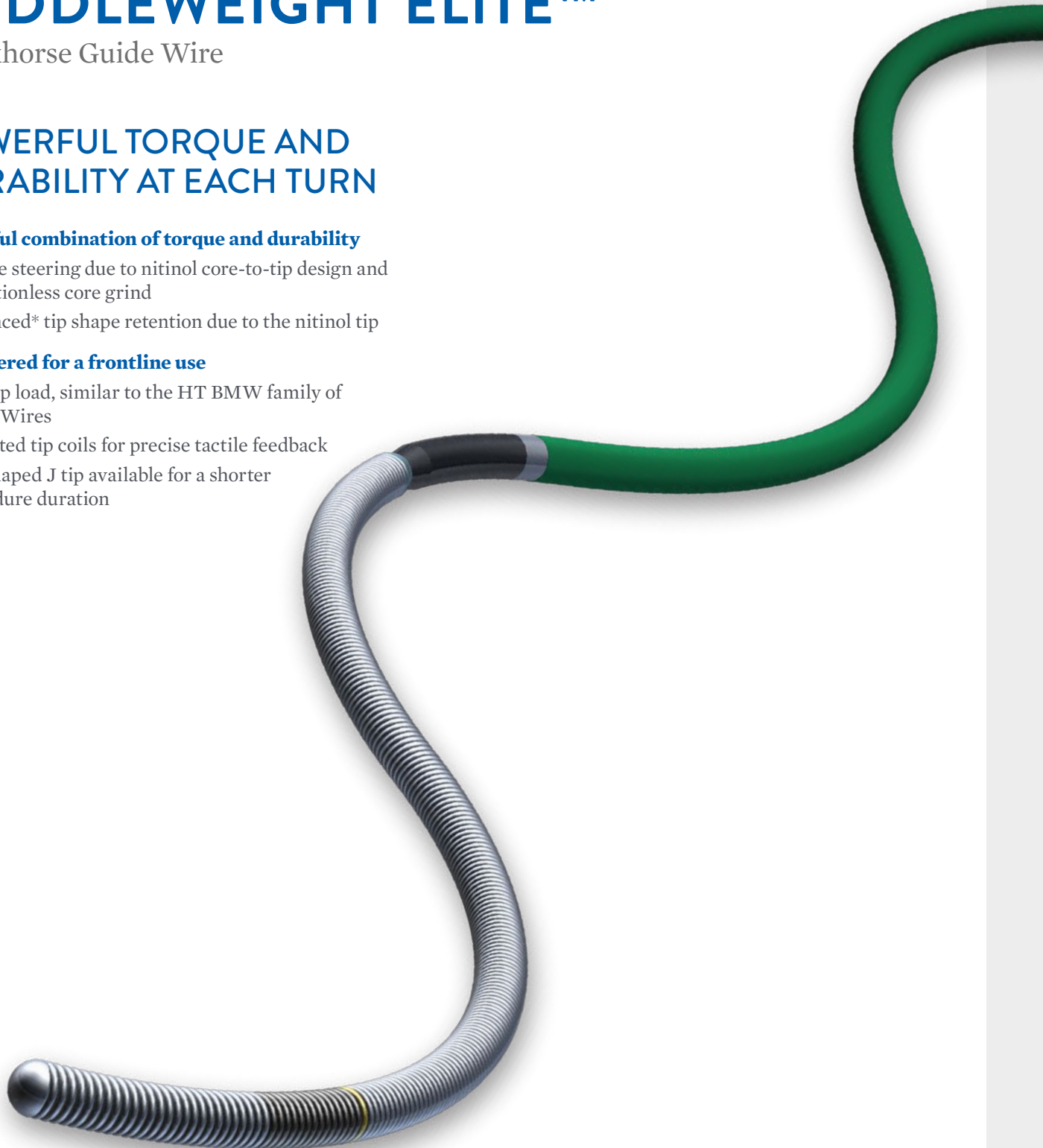
POWERFUL TORQUE AND DURABILITY AT EACH TURN

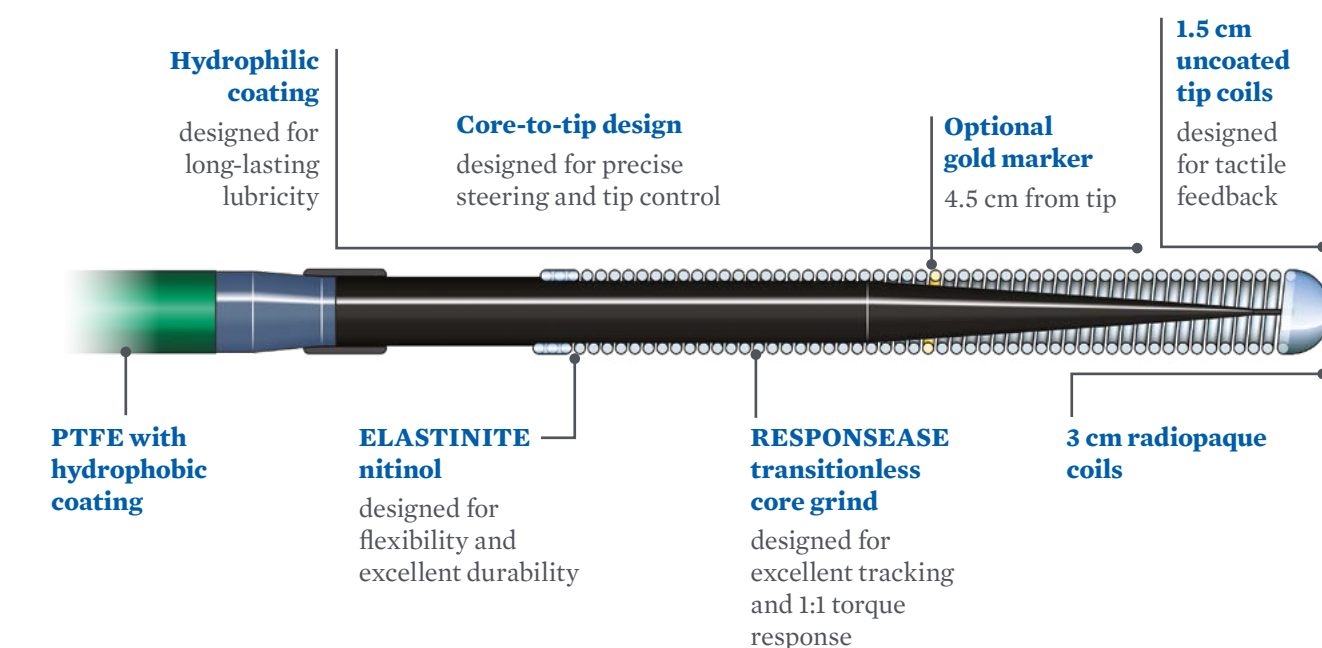
Powerful combination of torque and durability

- Precise steering due to nitinol core-to-tip design and transitionless core grind
- Enhanced* tip shape retention due to the nitinol tip

Engineered for a frontline use

- Low tip load, similar to the HT BMW family of Guide Wires
- Uncoated tip coils for precise tactile feedback
- Pre-shaped J tip available for a shorter procedure duration





ORDERING INFORMATION

HI-TORQUE BALANCE MIDDLEWEIGHT ELITE™		COVER	TIP LOAD	COATING	CORE	STRUCTURE
		BARE COILS	0.8g	HYDROPHILIC	ELASTINITE NITINOL	CORE-TO-TIP
WITH MARKERS	PRODUCT DESCRIPTION	PART NUMBER	WIRE LENGTH (CM)	TIP SHAPE	RADIOPAQUE TIP LENGTH (CM)	
	HI-TORQUE BALANCE MIDDLEWEIGHT ELITE™	1011880	190	Straight	3	
	HI-TORQUE BALANCE MIDDLEWEIGHT ELITE™	1011880J	190	J	3	
	HI-TORQUE BALANCE MIDDLEWEIGHT ELITE™	1011881	300	Straight	3	
	HI-TORQUE BALANCE MIDDLEWEIGHT ELITE™	1011881J	300	J	3	
HI-TORQUE BALANCE MIDDLEWEIGHT ELITE™		COVER	TIP LOAD	COATING	CORE	STRUCTURE
		BARE COILS	0.8g	HYDROPHILIC	ELASTINITE NITINOL	CORE-TO-TIP
WITHOUT MARKERS	PRODUCT DESCRIPTION	PART NUMBER	WIRE LENGTH (CM)	TIP SHAPE	RADIOPAQUE TIP LENGTH (CM)	
	HI-TORQUE BALANCE MIDDLEWEIGHT ELITE™	1011882	190	Straight	3	
	HI-TORQUE BALANCE MIDDLEWEIGHT ELITE™	1011882J	190	J	3	
	HI-TORQUE BALANCE MIDDLEWEIGHT ELITE™	1011883	300	Straight	3	
	HI-TORQUE BALANCE MIDDLEWEIGHT ELITE™	1011883J	300	J	3	

* As compared to BMW, BMW Universal, BMW Universal II.

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Abbott

HI-TORQUE POWERTURN™

Workhorse Guide Wire

THE POWER OF TIP CONTROL

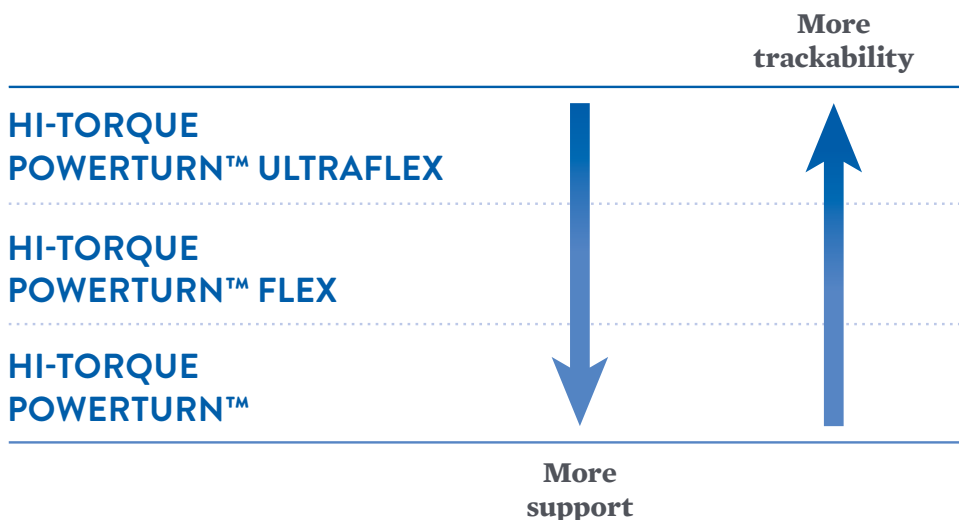
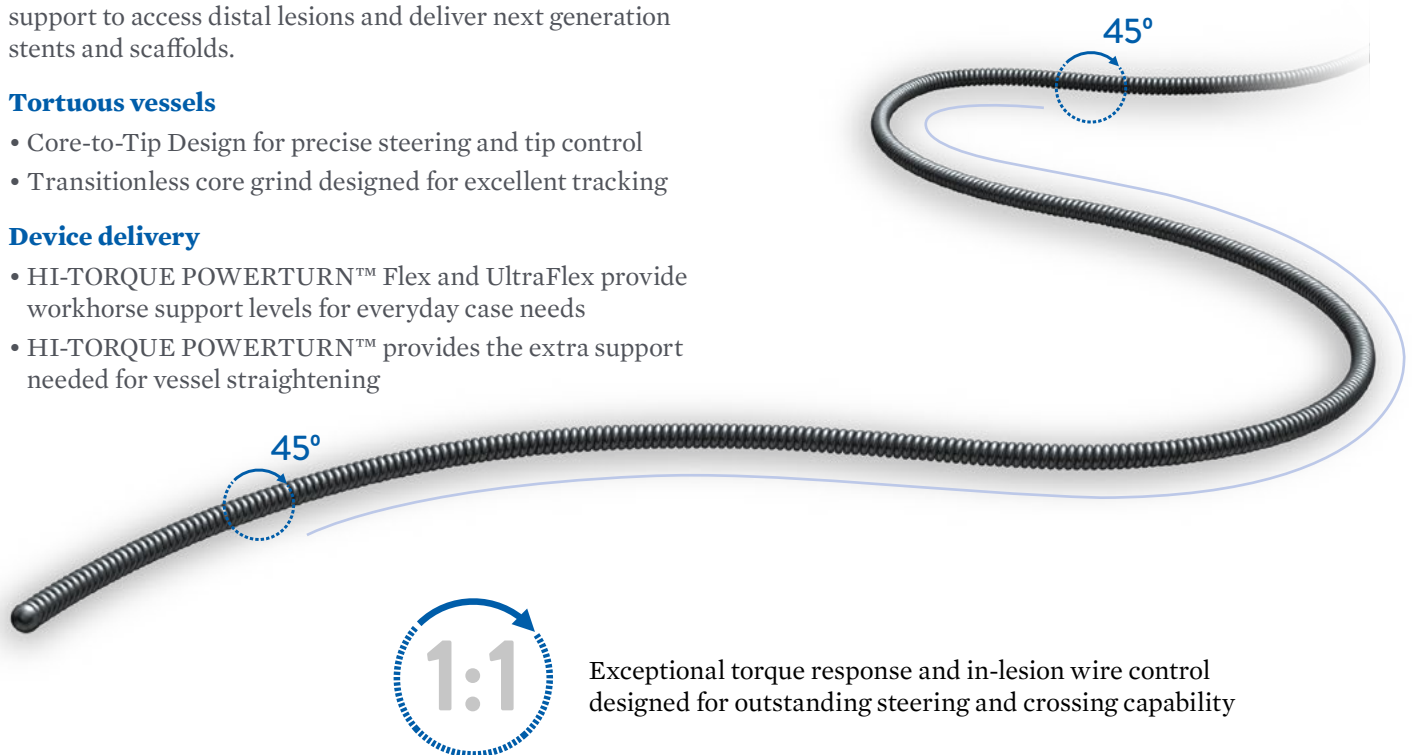
The HI-TORQUE POWERTURN™ family of Guide Wires is comprised of three wires (HI-TORQUE POWERTURN™, HI-TORQUE POWERTURN™ Flex, HI-TORQUE POWERTURN™ UltraFlex) to provide varying levels of support to access distal lesions and deliver next generation stents and scaffolds.

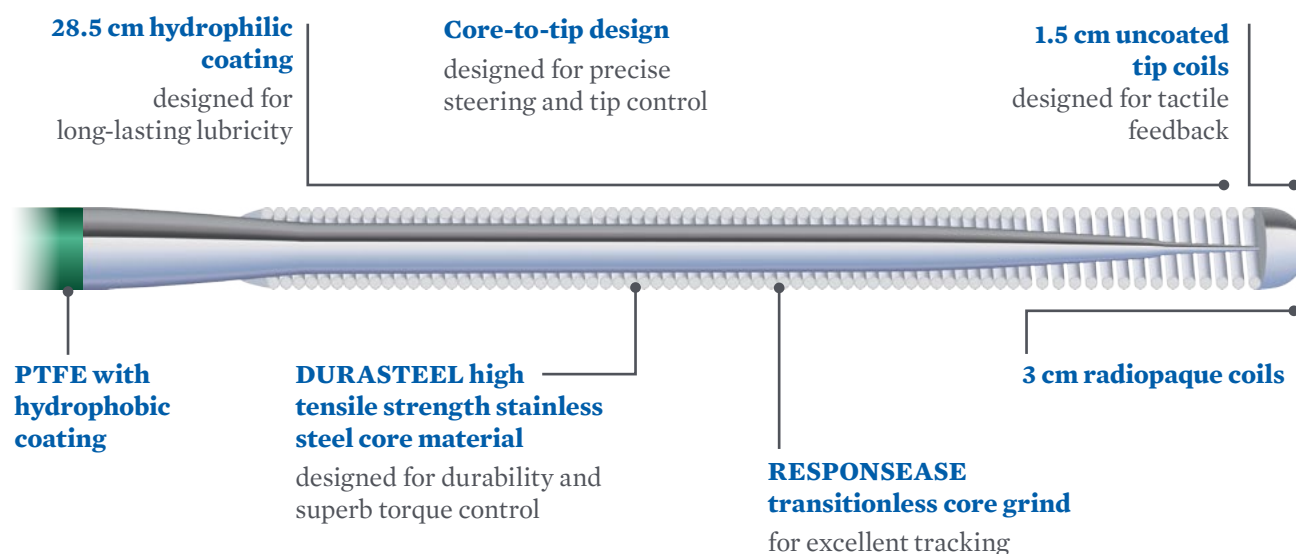
Tortuous vessels

- Core-to-Tip Design for precise steering and tip control
- Transitionless core grind designed for excellent tracking

Device delivery

- HI-TORQUE POWERTURN™ Flex and UltraFlex provide workhorse support levels for everyday case needs
- HI-TORQUE POWERTURN™ provides the extra support needed for vessel straightening





ORDERING INFORMATION

HI-TORQUE POWERTURN™ ULTRAFLEX	COVER BARE COILS	TIP LOAD 0.9g	COATING HYDROPHILIC	CORE DURASTEEL STAINLESS STEEL	STRUCTURE CORE-TO-TIP
PRODUCT DESCRIPTION	PART NUMBER	WIRE LENGTH (CM)	TIP SHAPE	RADIOPAQUE TIP LENGTH (CM)	
HI-TORQUE POWERTURN™ UltraFlex	1044590	190	Straight	3	
HI-TORQUE POWERTURN™ UltraFlex	1044590J	190	J	3	
HI-TORQUE POWERTURN™ UltraFlex	1044591	300	Straight	3	
HI-TORQUE POWERTURN™ UltraFlex	1044591J	300	J	3	

HI-TORQUE POWERTURN™ FLEX	COVER BARE COILS	TIP LOAD 0.9g	COATING HYDROPHILIC	CORE DURASTEEL STAINLESS STEEL	STRUCTURE CORE-TO-TIP
PRODUCT DESCRIPTION	PART NUMBER	WIRE LENGTH (CM)	TIP SHAPE	RADIOPAQUE TIP LENGTH (CM)	
HI-TORQUE POWERTURN™ Flex	1044592	190	Straight	3	
HI-TORQUE POWERTURN™ Flex	1044592J	190	J	3	
HI-TORQUE POWERTURN™ Flex	1044593	300	Straight	3	
HI-TORQUE POWERTURN™ Flex	1044593J	300	J	3	

HI-TORQUE POWERTURN™	COVER BARE COILS	TIP LOAD 0.9g	COATING HYDROPHILIC	CORE DURASTEEL STAINLESS STEEL	STRUCTURE CORE-TO-TIP
PRODUCT DESCRIPTION	PART NUMBER	WIRE LENGTH (CM)	TIP SHAPE	RADIOPAQUE TIP LENGTH (CM)	
HI-TORQUE POWERTURN™	1044594	190	Straight	3	
HI-TORQUE POWERTURN™	1044594J	190	J	3	
HI-TORQUE POWERTURN™	1044595	300	Straight	3	
HI-TORQUE POWERTURN™	1044595J	300	J	3	

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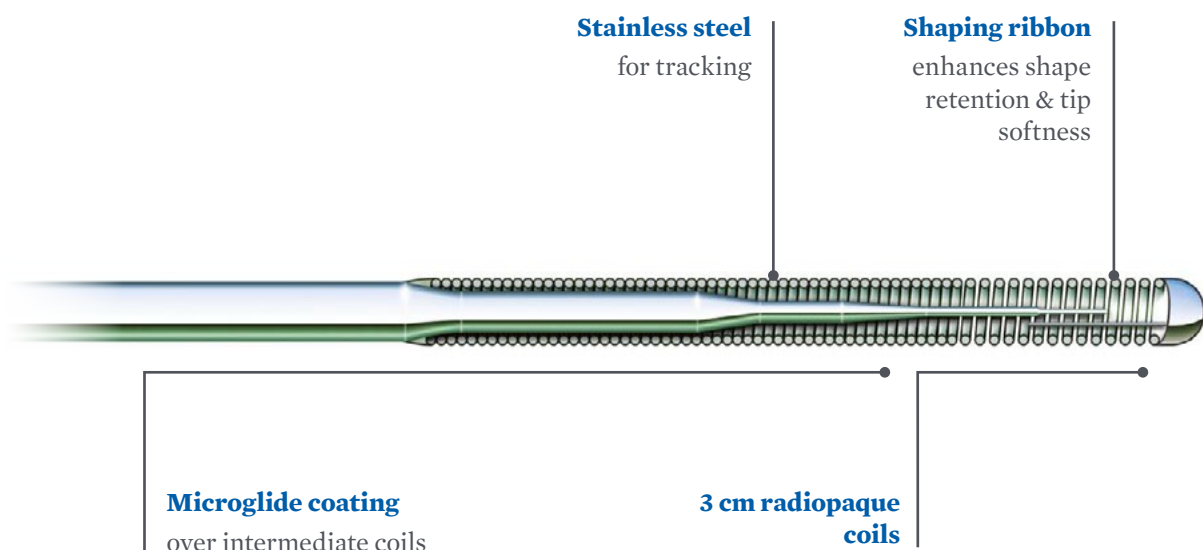
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HI-TORQUE FLOPPY™ II

Workhorse Guide Wire

FRONTLINE WIRE COMBINING FLEXIBILITY AND TORQUE TRANSMISSION

- Stainless steel construction for flexibility without compromising support
- Soft shaping ribbon tip design for tip shaping and flexibility
- Core diameter sized for light support



ORDERING INFORMATION

HI-TORQUE FLOPPY™ II				
PRODUCT CODE	DIAMETER [INCH]	LENGTH [CM]	RADIOPACITY TIP LENGTH [CM]	TIP SHAPE
22339H	0.014	190	2	Straight

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GUIDE WIRES SPECIALTY



HI-TORQUE PILOT™

Specialty Guide Wire

INDICATED FOR CROSSING CHRONIC TOTAL OCCLUSIONS*

With three different tip loads, a lubricious hydrophilic polymer cover, and supportive core, the HI-TORQUE PILOT™ will steer through your complex cases.

Supportive core

HI-TORQUE PILOT™ has a DURASTEEL core with parabolic grind technology for superb torque and support

Family of Guide Wires

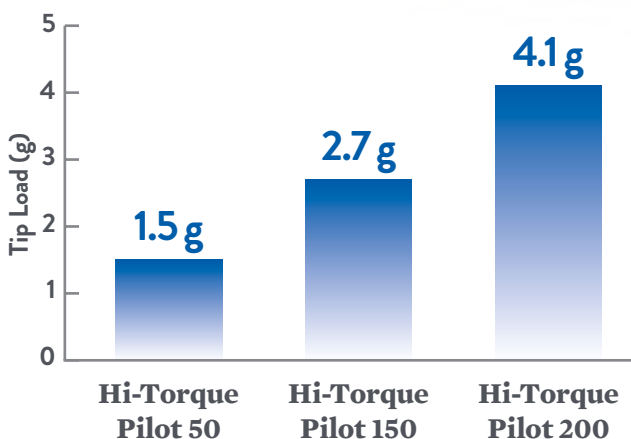
with three increasing tip loads for your most complex cases

Lubricious polymer and coating

HI-TORQUE PILOT™'s polymer cover and hydrophilic coating are designed for outstanding lubricity

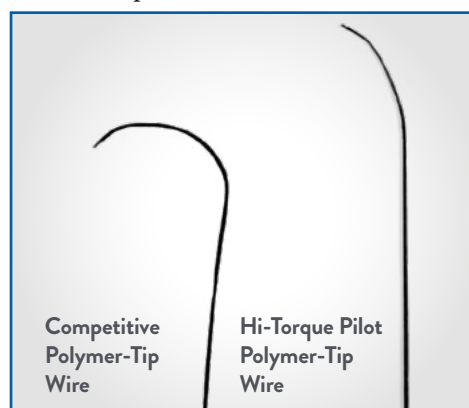
INCREASING TIP LOADS

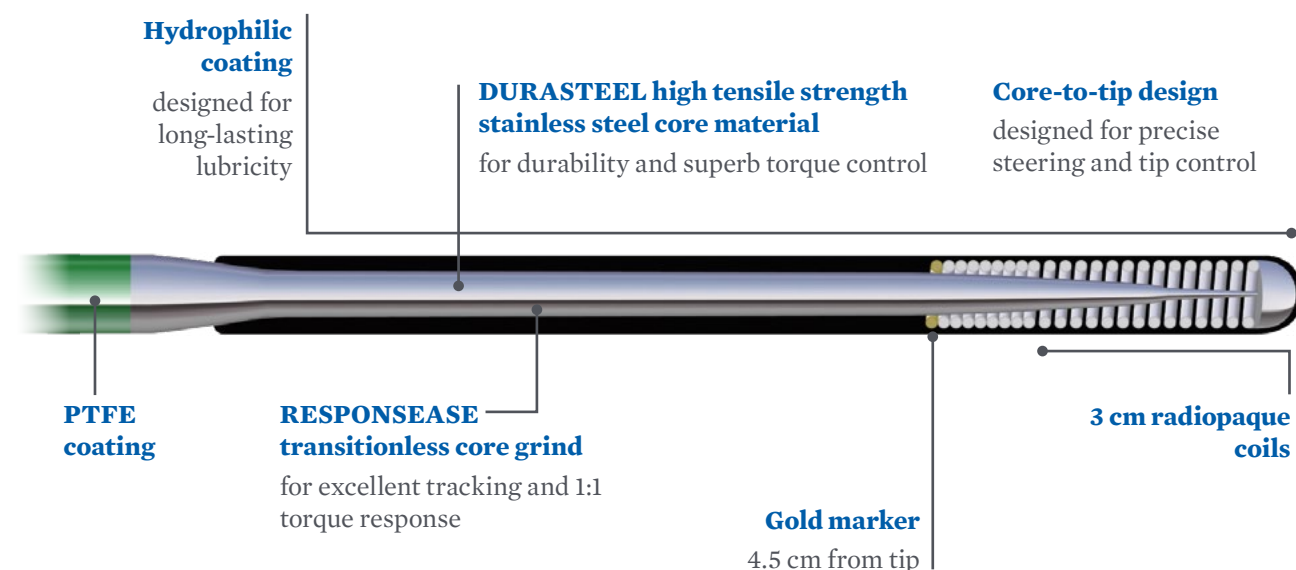
The HI-TORQUE PILOT™ family of Guide Wires offers three increasing tip loads for your complex cases



TIP SHAPE RETENTION

The HI-TORQUE PILOT™ Guide Wires maintained their tip shape better than competitive wires after passing through a tortuous path model





ORDERING INFORMATION

HI-TORQUE PILOT™ 50		COVER	TIP LOAD	COATING	CORE	TIP STYLE
		FULL POLYMER	1.5g	HYDROPHILIC	DURASTEEL STAINLESS STEEL	CORE-TO-TIP
PRODUCT DESCRIPTION	PART NUMBER	PENETRATION POWER (KG/IN ²)		WIRE LENGTH (CM)	RADIOPAQUE TIP (CM)	TIP SHAPE
HI-TORQUE PILOT™ 50	1010480H	10		190	3	Straight
HI-TORQUE PILOT™ 50	1010480HJ	10		190	3	J
HI-TORQUE PILOT™ 50	1010483H	10		300	3	Straight
HI-TORQUE PILOT™ 50	1010483HJ	10		300	3	J

HI-TORQUE PILOT™ 150		COVER	TIP LOAD	COATING	CORE	TIP STYLE
		FULL POLYMER	2.7g	HYDROPHILIC	DURASTEEL STAINLESS STEEL	CORE-TO-TIP
PRODUCT DESCRIPTION	PART NUMBER	PENETRATION POWER (KG/IN ²)		WIRE LENGTH (CM)	RADIOPAQUE TIP (CM)	TIP SHAPE
HI-TORQUE PILOT™ 150	1010481H	20		190	3	Straight
HI-TORQUE PILOT™ 150	1010481HJ	20		190	3	J
HI-TORQUE PILOT™ 150	1010484H	20		300	3	Straight
HI-TORQUE PILOT™ 150	1010484HJ	20		300	3	J

HI-TORQUE PILOT™ 200		COVER	TIP LOAD	COATING	CORE	TIP STYLE
		FULL POLYMER	4.1g	HYDROPHILIC	DURASTEEL STAINLESS STEEL	CORE-TO-TIP
PRODUCT DESCRIPTION	PART NUMBER	PENETRATION POWER (KG/IN ²)		WIRE LENGTH (CM)	RADIOPAQUE TIP (CM)	TIP SHAPE
HI-TORQUE PILOT™ 200	1010482H	30		190	3	Straight
HI-TORQUE PILOT™ 200	1010482HJ	30		190	3	J
HI-TORQUE PILOT™ 200	1010485H	30		300	3	Straight
HI-TORQUE PILOT™ 200	1010485HJ	30		300	3	J

* Based on Guide Wire results from EXPERT CTO clinical trial. Data on file at Abbott Vascular.

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HI-TORQUE WHISPER™

Specialty Guide Wire

DESIGNED FOR SMOOTH DEVICE DELIVERY IN HIGHLY TORTUOUS ANATOMY

Superb trackability and torqueability

- The HI-TORQUE WHISPER™ family of wires has a hydrophilic-coated polymer cover over a RESPONSEASE transitionless core, which allows it to track easily around the tightest bends and access lesions in the most tortuous anatomy
- Its DURASTEEL core-to-tip, high-tensile strength, stainless steel material gives precise steering, outstanding durability and excellent tactile feedback

Smooth device delivery

- The HI-TORQUE WHISPER™ ES Guide Wire is the latest addition to the HI-TORQUE WHISPER™ range of polymer Guide Wires. It offers a higher level of support, which makes device delivery easier

Excellent steering

- Through angulated anatomy

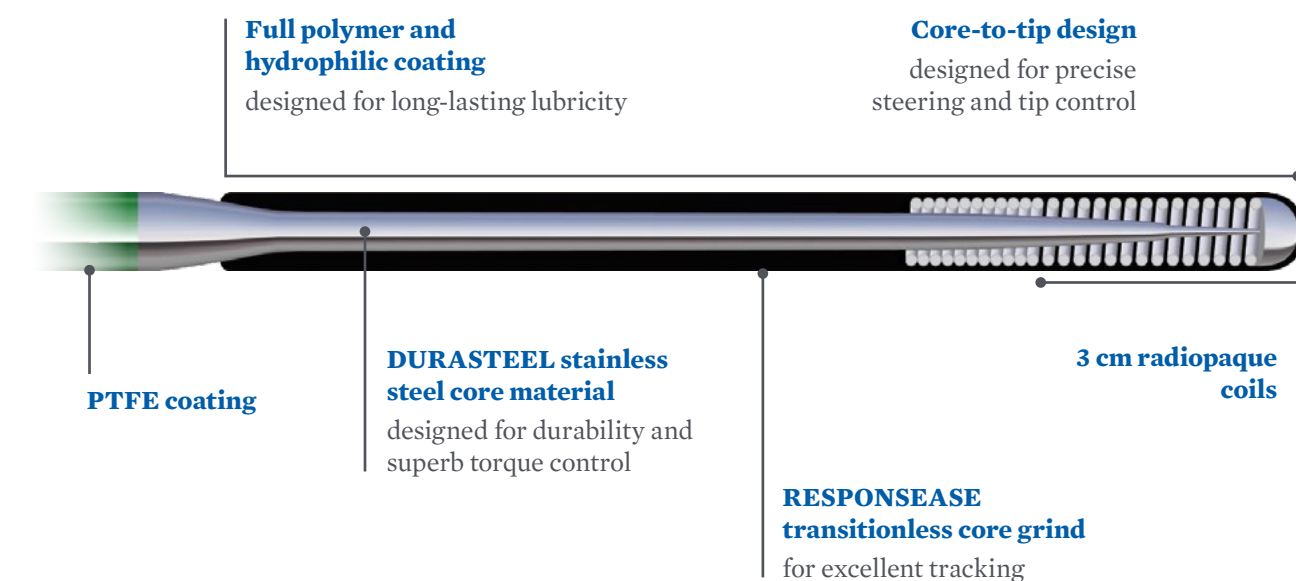
Durable wires

- With different support level options

Excellent support

- For crossing and device delivery





ORDERING INFORMATION

HI-TORQUE WHISPER™ EXTRA SUPPORT (ES)		COVER	TIP LOAD	COATING	CORE	STRUCTURE
		FULL POLYMER	1.2g	HYDROPHILIC	DURASTEEL STAINLESS STEEL	CORE-TO-TIP
PRODUCT DESCRIPTION	PART NUMBER	TIP DIAMETER (IN)	WIRE LENGTH (CM)	TIP SHAPE	RADIOPAQUE TIP LENGTH (CM)	
HI-TORQUE WHISPER™ ES	1011834H	0.014	190	Straight	3	
HI-TORQUE WHISPER™ ES	1011834HJ	0.014	190	J	3	
HI-TORQUE WHISPER™ ES	1011835H	0.014	300	Straight	3	
HI-TORQUE WHISPER™ ES	1011835HJ	0.014	300	J	3	

HI-TORQUE WHISPER™ MODERATE SUPPORT (MS)		COVER	TIP LOAD	COATING	CORE	STRUCTURE
		FULL POLYMER	1.0g	HYDROPHILIC	DURASTEEL STAINLESS STEEL	CORE-TO-TIP
PRODUCT DESCRIPTION	PART NUMBER	TIP DIAMETER (IN)	WIRE LENGTH (CM)	TIP SHAPE	RADIOPAQUE TIP LENGTH (CM)	
HI-TORQUE WHISPER™ MS	1005357H	0.014	190	Straight	3	
HI-TORQUE WHISPER™ MS	1005357HJ	0.014	190	J	3	
HI-TORQUE WHISPER™ MS	1005359H	0.014	300	Straight	3	
HI-TORQUE WHISPER™ MS	1005359HJ	0.014	300	J	3	

HI-TORQUE WHISPER™ LIGHT SUPPORT (LS)		COVER	TIP LOAD	COATING	CORE	STRUCTURE
		FULL POLYMER	0.8g	HYDROPHILIC	DURASTEEL STAINLESS STEEL	CORE-TO-TIP
PRODUCT DESCRIPTION	PART NUMBER	TIP DIAMETER (IN)	WIRE LENGTH (CM)	TIP SHAPE	RADIOPAQUE TIP LENGTH (CM)	
HI-TORQUE WHISPER™ LS	1005351H	0.014	190	Straight	3	
HI-TORQUE WHISPER™ LS	1005351HJ	0.014	190	J	3	
HI-TORQUE WHISPER™ LS	1005353H	0.014	300	Straight	3	
HI-TORQUE WHISPER™ LS	1005353HJ	0.014	300	J	3	

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HI-TORQUE PROGRESS™

Specialty Guide Wire

FIVE WIRES DESIGNED FOR PREFERRED CHRONIC OCCLUSION TECHNIQUES

Tapered, exposed coil tip

- For accurate tactile feel

Proprietary parabolic grind (RESPONSEASE)

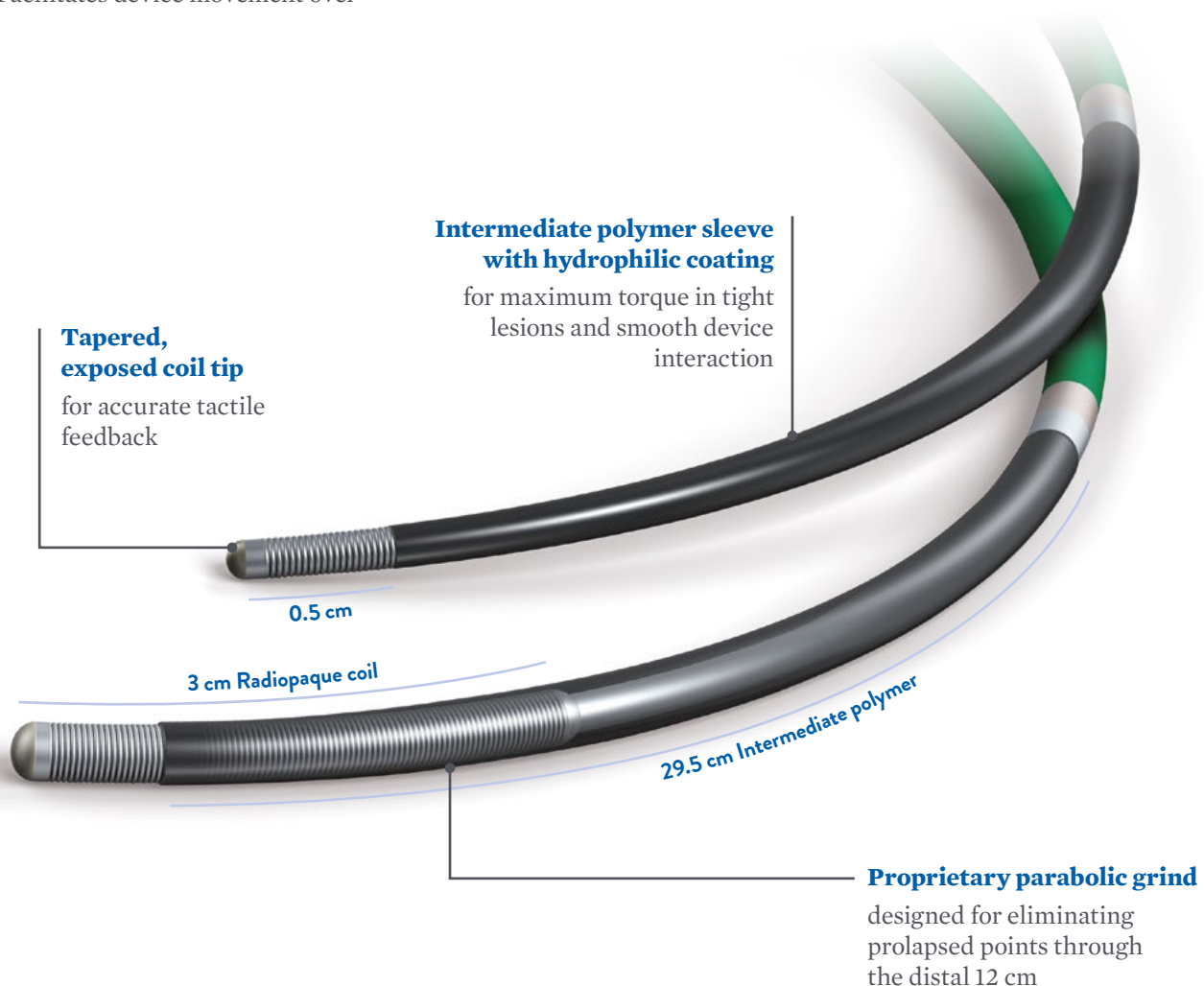
- For eliminating prolapsed points through the distal 12 cm

Intermediate polymer sleeve with hydrophilic coating (TURBOCOAT)

- For maximum torque in tight lesions

Hydrophobic coating (SMOOTHGLIDE)

- Facilitates device movement over



PENETRATION POWER

The HI-TORQUE PROGRESS™ family of Guide Wires features a breakthrough innovation in Chronic Total Occlusion treatment: PENETRATION POWER.

Each Guide Wire is named and numbered according to its PENETRATION POWER, which is a discrete measurement correlating the tip stiffness with the cross section of the tip of the Guide Wire.

$$\text{PENETRATION POWER} = \frac{\text{Tip stiffness}}{\text{Area of GW tip}}$$



ORDERING INFORMATION

HI-TORQUE PROGRESS™ 40						
		COVER	TIP LOAD	COATING	CORE	TIP STYLE
		INTERMEDIATE POLYMER SLEEVE	4.8g	HYDROPHILIC	DURASTEEL STAINLESS STEEL	CORE-TO-TIP
PRODUCT DESCRIPTION	PART NUMBER	TIP DIAMETER (IN)	PENETRATION POWER (KG/IN²)	WIRE LENGTH (CM)	TIP SHAPE	RADIOPAQUE TIP LENGTH (CM)
HI-TORQUE PROGRESS™ 40	1011836	0.012	40	190	Straight	3
HI-TORQUE PROGRESS™ 40	1011837	0.012	40	300	Straight	3

HI-TORQUE PROGRESS™ 80						
		COVER	TIP LOAD	COATING	CORE	TIP STYLE
		INTERMEDIATE POLYMER SLEEVE	9.7g	HYDROPHILIC	DURASTEEL STAINLESS STEEL	CORE-TO-TIP
PRODUCT DESCRIPTION	PART NUMBER	TIP DIAMETER (IN)	PENETRATION POWER (KG/IN²)	WIRE LENGTH (CM)	TIP SHAPE	RADIOPAQUE TIP LENGTH (CM)
HI-TORQUE PROGRESS™ 80	1011838	0.012	80	190	Straight	3
HI-TORQUE PROGRESS™ 80	1011839	0.012	80	300	Straight	3

HI-TORQUE PROGRESS™ 120						
		COVER	TIP LOAD	COATING	CORE	TIP STYLE
		INTERMEDIATE POLYMER SLEEVE	13.9g	HYDROPHILIC	DURASTEEL STAINLESS STEEL	CORE-TO-TIP
PRODUCT DESCRIPTION	PART NUMBER	TIP DIAMETER (IN)	PENETRATION POWER (KG/IN²)	WIRE LENGTH (CM)	TIP SHAPE	RADIOPAQUE TIP LENGTH (CM)
HI-TORQUE PROGRESS™ 120	1011844	0.012	80	190	Straight	3
HI-TORQUE PROGRESS™ 120	1011845	0.012	80	300	Straight	3

HI-TORQUE PROGRESS™ 140T						
		COVER	TIP LOAD	COATING	CORE	TIP STYLE
		INTERMEDIATE POLYMER SLEEVE	12.5g	HYDROPHILIC	DURASTEEL STAINLESS STEEL	CORE-TO-TIP
PRODUCT DESCRIPTION	PART NUMBER	TIP DIAMETER (IN)	PENETRATION POWER (KG/IN²)	WIRE LENGTH (CM)	TIP SHAPE	RADIOPAQUE TIP LENGTH (CM)
HI-TORQUE PROGRESS™ 140T	1011840	0.0105	140	190	Straight with taper	3
HI-TORQUE PROGRESS™ 140T	1011841	0.0105	140	300	Straight with taper	3

HI-TORQUE PROGRESS™ 200T						
		COVER	TIP LOAD	COATING	CORE	TIP STYLE
		INTERMEDIATE POLYMER SLEEVE	13.0g	HYDROPHILIC	DURASTEEL STAINLESS STEEL	CORE-TO-TIP
PRODUCT DESCRIPTION	PART NUMBER	TIP DIAMETER (IN)	PENETRATION POWER (KG/IN²)	WIRE LENGTH (CM)	TIP SHAPE	RADIOPAQUE TIP LENGTH (CM)
HI-TORQUE PROGRESS™ 200T	1011842	0.009	200	190	Straight with taper	3
HI-TORQUE PROGRESS™ 200T	1011843	0.009	200	300	Straight with taper	3

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Abbott

HI-TORQUE BALANCE HEAVYWEIGHT™

Specialty Guide Wire

TRUSTED DURABILITY WITH ADDED SUPPORT

The HI-TORQUE BALANCE HEAVYWEIGHT™ pairs the durability, control and trust of the HI-TORQUE BALANCE MIDDLEWEIGHT™ with additional support to ease device delivery.

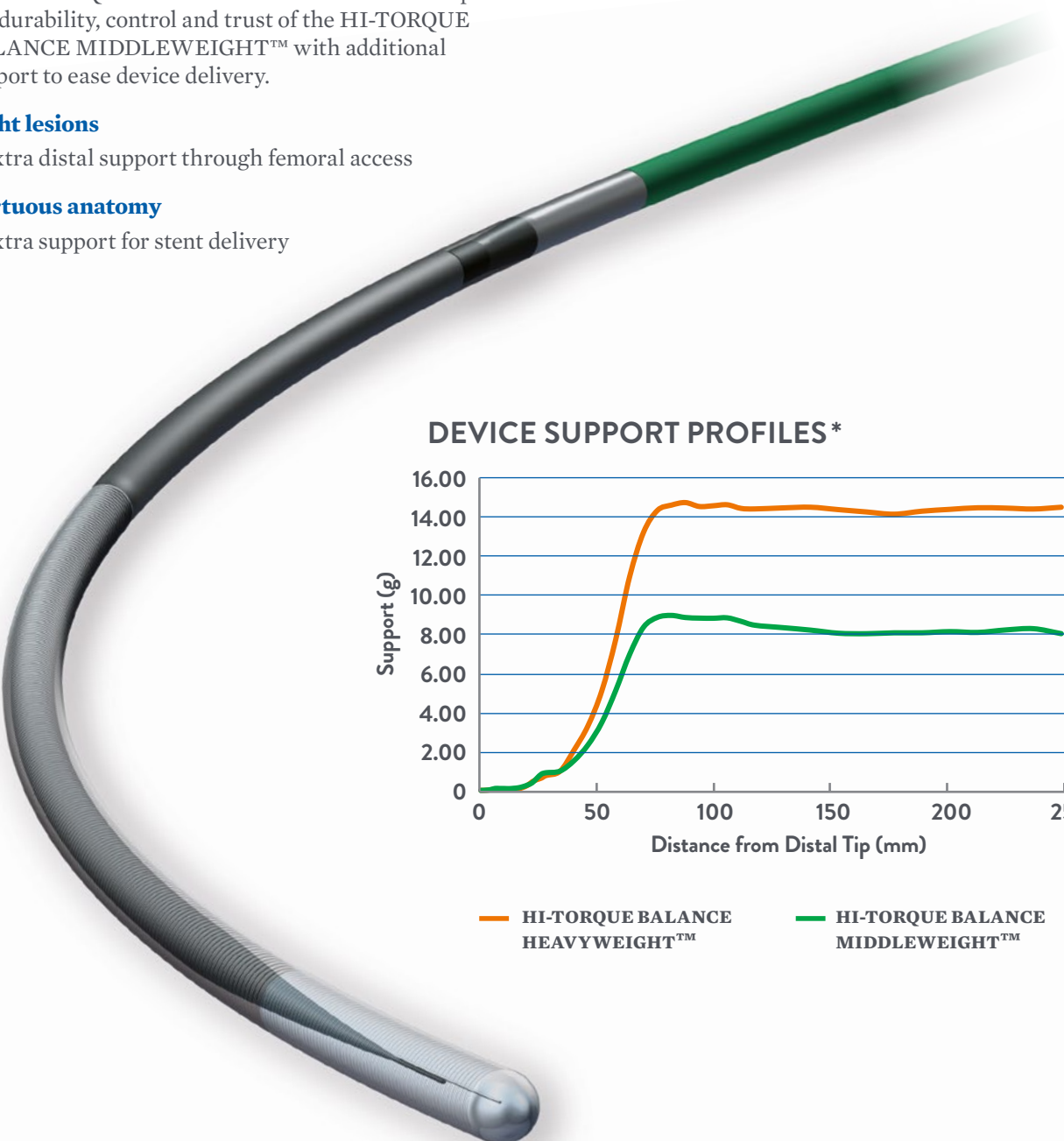
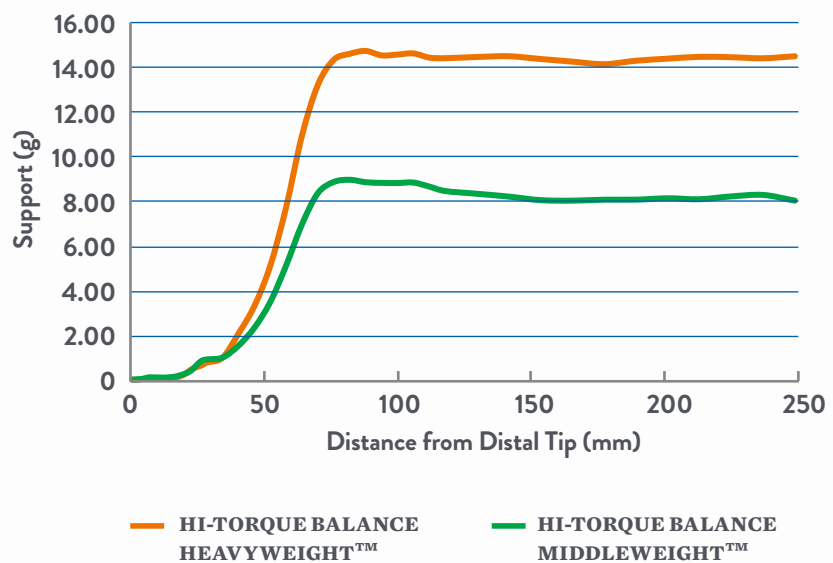
Tight lesions

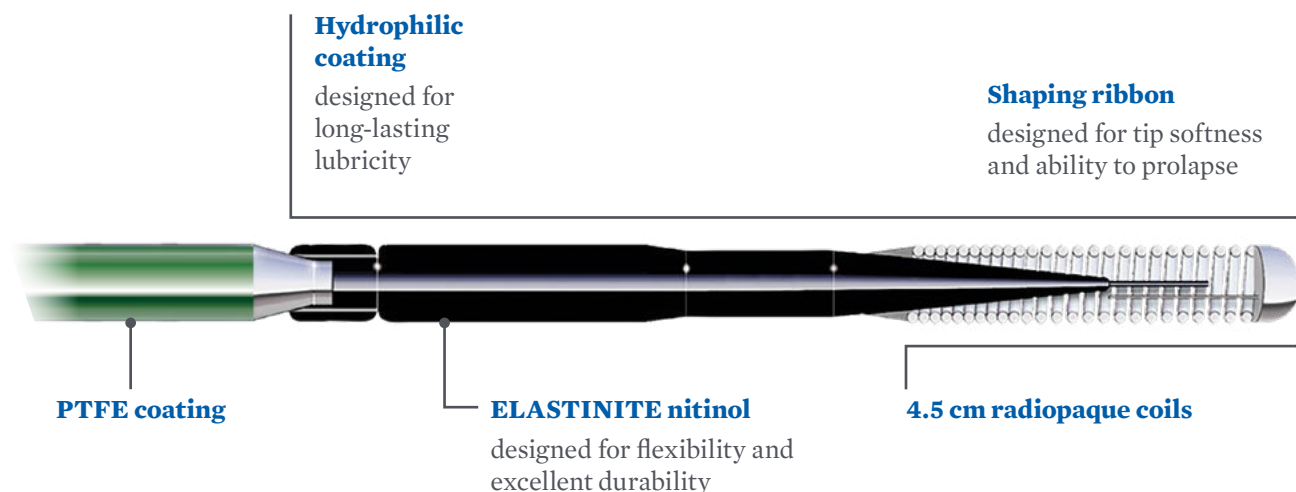
- Extra distal support through femoral access

Tortuous anatomy

- Extra support for stent delivery

DEVICE SUPPORT PROFILES *





ORDERING INFORMATION

HI-TORQUE BALANCE HEAVYWEIGHT™	COVER	TIP LOAD	COATING	CORE	STRUCTURE
	BARE COILS	0.8g	HYDROPHILIC	ELASTINITE NITINOL	SHAPING RIBBON
PRODUCT DESCRIPTION	PART NUMBER	WIRE LENGTH (CM)	TIP SHAPE	RADIOPAQUE TIP LENGTH (CM)	
HI-TORQUE BALANCE HEAVYWEIGHT™	1000462H	190	Straight	4.5	
HI-TORQUE BALANCE HEAVYWEIGHT™	1000462HJ	190	J	4.5	
HI-TORQUE BALANCE HEAVYWEIGHT™	1000463H	300	Straight	4.5	
HI-TORQUE BALANCE HEAVYWEIGHT™	1000463HJ	300	J	4.5	

* All tip stiffness values and support level values are averages, based on a sample of 5 guide wires, tested with an automated machine in a controlled environment. Illustrations are artist's representations only and should not be considered as engineering drawings or photographs.

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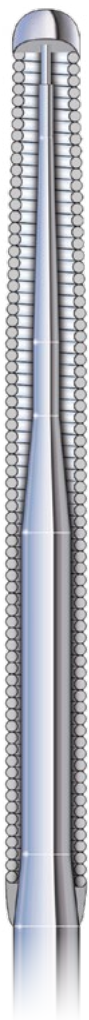
HI-TORQUE CROSS-IT™

Specialty Guide Wire

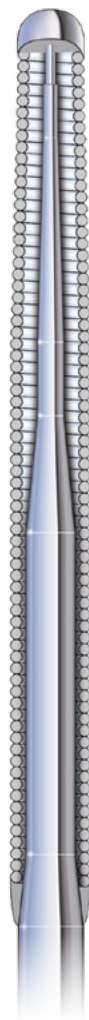
STAINLESS STEEL WORKED IN SMOOTH TAPERS

- Guide Wires designed for complex cases, tortuous and stenosed lesions
- Polymer covered wires for tortuous anatomy, distal lesions and smooth crossing
- Tapered tip for increased penetration power
- Uncoated tip coils for better tactile feedback and tip control

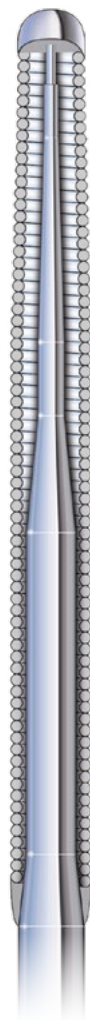
100XT



200XT



300XT



400XT



ORDERING INFORMATION

<div> <div>HI-TORQUE CROSS-IT™ 100XT</div> <div>COVER</div> <div>TIP LOAD</div> <div>COATING</div> <div>CORE</div> <div>STRUCTURE</div> </div>						
<div> <div>BARE COILS</div> <div>1.7 g</div> <div>HYDROPHILIC</div> <div>STAINLESS STEEL</div> <div>CORE-TO-TIP</div> </div>						
PRODUCT DESCRIPTION	PART NUMBER	WIRE LENGTH (CM)	TIP SHAPE	RADIOPAQUE TIP LENGTH (CM)	TIP DIAMETER (IN)	PENETRATION POWER (KG/IN ²)
HI-TORQUE CROSS-IT™ 100XT	1003309H	190	Straight	3	0.010	20
HI-TORQUE CROSS-IT™ 100XT	1003309HJ	190	J	3	0.010	20
HI-TORQUE CROSS-IT™ 100XT	1003310H	300	Straight	3	0.010	20
HI-TORQUE CROSS-IT™ 100XT	1003310HJ	300	J	3	0.010	20

<div> <div>HI-TORQUE CROSS-IT™ 200XT</div> <div>COVER</div> <div>TIP LOAD</div> <div>COATING</div> <div>CORE</div> <div>STRUCTURE</div> </div>						
<div> <div>BARE COILS</div> <div>4.7 g</div> <div>HYDROPHILIC</div> <div>STAINLESS STEEL</div> <div>CORE-TO-TIP</div> </div>						
PRODUCT DESCRIPTION	PART NUMBER	WIRE LENGTH (CM)	TIP SHAPE	RADIOPAQUE TIP LENGTH (CM)	TIP DIAMETER (IN)	PENETRATION POWER (KG/IN ²)
HI-TORQUE CROSS-IT™ 200XT	1003312H	190	Straight	3	0.010	60
HI-TORQUE CROSS-IT™ 200XT	1003312HJ	190	J	3	0.010	60
HI-TORQUE CROSS-IT™ 200XT	1003313H	300	Straight	3	0.010	60
HI-TORQUE CROSS-IT™ 200XT	1003313HJ	300	J	3	0.010	60

<div> <div>HI-TORQUE CROSS-IT™ 300XT</div> <div>COVER</div> <div>TIP LOAD</div> <div>COATING</div> <div>CORE</div> <div>STRUCTURE</div> </div>						
<div> <div>BARE COILS</div> <div>6.2 g</div> <div>HYDROPHILIC</div> <div>STAINLESS STEEL</div> <div>CORE-TO-TIP</div> </div>						
PRODUCT DESCRIPTION	PART NUMBER	WIRE LENGTH (CM)	TIP SHAPE	RADIOPAQUE TIP LENGTH (CM)	TIP DIAMETER (IN)	PENETRATION POWER (KG/IN ²)
HI-TORQUE CROSS-IT™ 300XT	1003315H	190	Straight	3	0.010	80
HI-TORQUE CROSS-IT™ 300XT	1003315HJ	190	J	3	0.010	80
HI-TORQUE CROSS-IT™ 300XT	1003316H	300	Straight	3	0.010	80
HI-TORQUE CROSS-IT™ 300XT	1003316HJ	300	J	3	0.010	80

<div> <div>HI-TORQUE CROSS-IT™ 400XT</div> <div>COVER</div> <div>TIP LOAD</div> <div>COATING</div> <div>CORE</div> <div>STRUCTURE</div> </div>						
<div> <div>BARE COILS</div> <div>8.7 g</div> <div>HYDROPHILIC</div> <div>STAINLESS STEEL</div> <div>CORE-TO-TIP</div> </div>						
PRODUCT DESCRIPTION	PART NUMBER	WIRE LENGTH (CM)	TIP SHAPE	RADIOPAQUE TIP LENGTH (CM)	TIP DIAMETER (IN)	PENETRATION POWER (KG/IN ²)
HI-TORQUE CROSS-IT™ 400XT	1003318H	190	Straight	3	0.010	110
HI-TORQUE CROSS-IT™ 400XT	1003318HJ	190	J	3	0.010	110
HI-TORQUE CROSS-IT™ 400XT	1003319H	300	Straight	3	0.010	110
HI-TORQUE CROSS-IT™ 400XT	1003319HJ	300	J	3	0.010	110

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BALLOON DILATATION CATHETERS



MINI-TREK™ RX & MINI-TREK™ OTW

Balloon Dilatation Catheter

LOW CROSSING PROFILE FOR EASY ACCESS

Proceed with confidence in chronic total occlusions

Low crossing profile of 0.021" across the MINI-TREK™ RX size matrix* allows for more versatility when accessing complex lesions

The ultra low profile design of the MINI-TREK™ RX balloon dilatation catheter delivers outstanding flexibility and lesion access

- Small chassis designed distinctively for MINI-TREK™ RX
- Available in sizes as small as 1.20 mm

Flexible tungsten markers†

Proprietary radiopaque markers for smooth tracking through tortuous anatomy

Slim Seal** technology

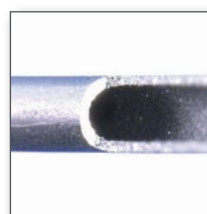
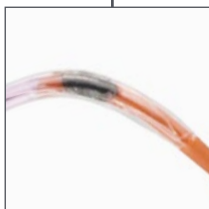
Provides flexible, ultra low distal seal profile for outstanding deliverability

Transitionless tip

Excellent Guide Wire conformability through resistant lesions

Specifically Designed Hypotube & Flexible Distal Shaft

Designed for superb pushability and exceptional control in challenging vasculature (MINI-TREK™ RX)



ORDERING INFORMATION

MINI-TREK™ RX		
PRODUCT CODE	BALLOON Ø [MM]	BALLOON LENGTH [MM]
1012268-06	1.20	6
1012269-06	1.50	6
1012270-06	2.00	6
1012268-08	1.20	8
1012269-08	1.50	8
1012270-08	2.00	8
1012268-12	1.20	12
1012269-12	1.50	12
1012270-12	2.00	12
1012268-15	1.20	15
1012269-15	1.50	15
1012270-15	2.00	15
1012268-20	1.20	20
1012269-20	1.50	20
1012270-20	2.00	20
1012270-25	2.00	25
1012270-30	2.00	30

MINI TREK™ OTW		
PRODUCT CODE	BALLOON Ø [MM]	BALLOON LENGTH [MM]
1012401-06A	1.20	6
1012402-06A	1.50	6
1012403-06A	2.00	6
1012401-08A	1.20	8
1012402-08A	1.50	8
1012403-08A	2.00	8
1012401-12A	1.20	12
1012402-12A	1.50	12
1012403-12A	2.00	12
1012401-15A	1.20	15
1012402-15A	1.50	15
1012403-15A	2.00	15
1012401-20A	1.20	20
1012402-20A	1.50	20
1012403-20A	2.00	20

* The crossing profile of 0.021" extends to workhorse sizes as well – up to a 3.0 mm diameter balloon.

** Slim Seal technology available on 2.0 mm – 3.75 mm balloon sizes.

† Single marker for 6 mm lengths and 1.20 mm – 1.50 mm diameters. Dual markers on all other sizes.

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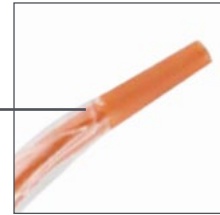
TREK™ RX & TREK™ OTW

Balloon Dilatation Catheter

TRANSITIONLESS DESIGN FOR CHALLENGING ANATOMY

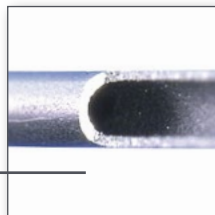
The unique design of the TREK™ balloon dilatation catheter provides a smooth transitionless feel from the hub to the distal tip for easy access

- Transitionless tip
- Re-designed hypotube and flexible distal shaft
- Multi-layer CrossFlex2™ balloon* and Slim Seal technology**



Transitionless tip

Designed for excellent Guide Wire conformability through resistant lesions

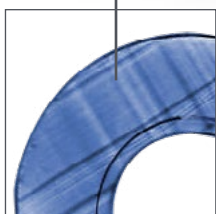


Re-designed hypotube and flexible distal shaft

Designed for excellent tactile feel and a reduced force to cross challenging anatomy. Skive design provides smooth transition between hypotube and distal shaft

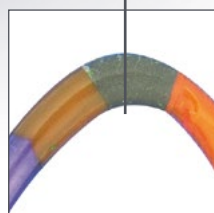
Slim Seal** Technology

Provides flexible, ultra low distal seal profiles for outstanding deliverability



Multi-layer CrossFlex2™ balloon*

Superb flexibility and low profiles designed for confident track in complex anatomy



Flexible tungsten markers†

Proprietary radiopaque markers designed for smooth tracking through tortuous anatomy

ORDERING INFORMATION

TREK™ RX		
PRODUCT CODE	BALLOON Ø [MM]	BALLOON LENGTH [MM]
1012271-06	2.25	6
1012272-06	2.50	6
1012273-06	2.75	6
1012274-06	3.00	6
1012275-06	3.25	6
1012276-06	3.50	6
1012277-06	3.75	6
1012278-06	4.00	6
1012271-08	2.25	8
1012272-08	2.50	8
1012273-08	2.75	8
1012274-08	3.00	8
1012275-08	3.25	8
1012276-08	3.50	8
1012277-08	3.75	8
1012278-08	4.00	8
1012271-12	2.25	12
1012272-12	2.50	12
1012273-12	2.75	12
1012274-12	3.00	12
1012275-12	3.25	12
1012276-12	3.50	12
1012277-12	3.75	12
1012278-12	4.00	12
1012279-12	4.50	12
1012280-12	5.00	12

TREK™ RX		
PRODUCT CODE	BALLOON Ø [MM]	BALLOON LENGTH [MM]
1012271-15	2.25	15
1012272-15	2.50	15
1012273-15	2.75	15
1012274-15	3.00	15
1012275-15	3.25	15
1012276-15	3.50	15
1012277-15	3.75	15
1012278-15	4.00	15
1012279-15	4.50	15
1012280-15	5.00	15
1012271-20	2.25	20
1012272-20	2.50	20
1012273-20	2.75	20
1012274-20	3.00	20
1012275-20	3.25	20
1012276-20	3.50	20
1012277-20	3.75	20
1012278-20	4.00	20
1012271-25	2.25	25
1012272-25	2.50	25
1012273-25	2.75	25
1012274-25	3.00	25
1012275-25	3.25	25
1012276-25	3.50	25
1012277-25	3.75	25
1012278-25	4.00	25
1012271-30	2.25	30
1012272-30	2.50	30
1012273-30	2.75	30
1012274-30	3.00	30
1012275-30	3.25	30
1012276-30	3.50	30
1012277-30	3.75	30
1012278-30	4.00	30

* CrossFlex^{2™} technology available on 2.25 mm – 5.0 mm balloon sizes.

** Slim Seal technology available on 2.0 mm – 3.75 mm balloon sizes.

† Single marker on all 6 mm lengths and 1.20 – 1.50 mm diameters (all lengths). Dual markers on all other sizes.

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TREK™ RX & TREK™ OTW

Balloon Dilatation Catheter

ORDERING INFORMATION (CONTINUED)

TREK™ OTW		
PRODUCT CODE	BALLOON Ø [MM]	BALLOON LENGTH [MM]
1012404-06	2.25	6
1012405-06	2.50	6
1012406-06	2.75	6
1012407-06	3.00	6
1012408-06	3.25	6
1012409-06	3.50	6
1012410-06	3.75	6
1012411-06	4.00	6
1012404-08	2.25	8
1012405-08	2.50	8
1012406-08	2.75	8
1012407-08	3.00	8
1012408-08	3.25	8
1012409-08	3.50	8
1012410-08	3.75	8
1012411-08	4.00	8
1012404-12	2.25	12
1012405-12	2.50	12
1012406-12	2.75	12
1012407-12	3.00	12
1012408-12	3.25	12
1012409-12	3.50	12
1012410-12	3.75	12
1012411-12	4.00	12
1012412-12	4.50	12
1012413-12	5.00	12

TREK™ OTW		
PRODUCT CODE	BALLOON Ø [MM]	BALLOON LENGTH [MM]
1012404-15	2.25	15
1012405-15	2.50	15
1012406-15	2.75	15
1012407-15	3.00	15
1012408-15	3.25	15
1012409-15	3.50	15
1012410-15	3.75	15
1012411-15	4.00	15
1012412-15	4.50	15
1012413-15	5.00	15
1012404-20	2.25	20
1012405-20	2.50	20
1012406-20	2.75	20
1012407-20	3.00	20
1012408-20	3.25	20
1012409-20	3.50	20
1012410-20	3.75	20
1012411-20	4.00	20
1012404-25	2.25	25
1012405-25	2.50	25
1012406-25	2.75	25
1012407-25	3.00	25
1012408-25	3.25	25
1012409-25	3.50	25
1012410-25	3.75	25
1012411-25	4.00	25

TREK™ OTW		
PRODUCT CODE	BALLOON Ø [MM]	BALLOON LENGTH [MM]
1012404-30	2.25	30
1012405-30	2.50	30
1012406-30	2.75	30
1012407-30	3.00	30
1012408-30	3.25	30
1012409-30	3.50	30
1012410-30	3.75	30
1012411-30	4.00	30

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NC TREK™ RX & NC TREK™ OTW

Balloon Dilatation Catheters

BUILT TO DELIVER IN CHALLENGING CASES

Experience controlled deliverability for crossing stents and lesions

- State-of-the-art customized tip
- Flexible dual tungsten markers
- Multi-layer CrossFlex²™ balloon*

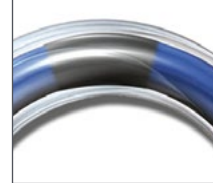
Precise dilatation

Delivering the right amount of force for outstanding stent expansion and apposition

- Concentrated dilatation force
- Flat compliance

Flexible dual tungsten markers

Flexible, dual tungsten markers on all sizes enable smooth, precise tracking, while providing for controlled and confident placement



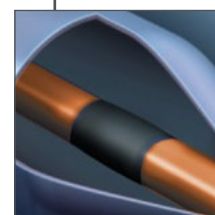
State-of-the-art customized tip

Smooth, rounded tip designed for ease of maneuverability through calcified lesions and stent struts



Multi-layer CrossFlex²™ balloon*

CrossFlex²™ balloon technology for exceptional flexibility and trackability



ORDERING INFORMATION

NC TREK™ RX		
PRODUCT CODE	BALLOON Ø [MM]	BALLOON LENGTH [MM]

1012444-06	1.50	6
1012445-06	2.00	6
1012446-06	2.25	6
1012447-06	2.50	6
1012448-06	2.75	6
1012449-06	3.00	6
1012450-06	3.25	6
1012451-06	3.50	6

1012444-08	1.50	8
1012445-08	2.00	8
1012446-08	2.25	8
1012447-08	2.50	8
1012448-08	2.75	8
1012449-08	3.00	8
1012450-08	3.25	8
1012451-08	3.50	8
1012452-08	3.75	8
1012453-08	4.00	8
1012454-08	4.50	8
1012455-08	5.00	8

1012444-12	1.50	12
1012445-12	2.00	12
1012446-12	2.25	12
1012447-12	2.50	12
1012448-12	2.75	12
1012449-12	3.00	12
1012450-12	3.25	12
1012451-12	3.50	12
1012452-12	3.75	12
1012453-12	4.00	12
1012454-12	4.50	12
1012455-12	5.00	12

1012444-15	1.50	15
1012445-15	2.00	15
1012446-15	2.25	15
1012447-15	2.50	15
1012448-15	2.75	15
1012449-15	3.00	15
1012450-15	3.25	15
1012451-15	3.50	15
1012452-15	3.75	15

NC TREK™ RX CONTINUED		
PRODUCT CODE	BALLOON Ø [MM]	BALLOON LENGTH [MM]

1012453-15	4.00	15
1012454-15	4.50	15
1012455-15	5.00	15

1012444-20	1.50	20
1012445-20	2.00	20
1012446-20	2.25	20
1012447-20	2.50	20
1012448-20	2.75	20
1012449-20	3.00	20
1012450-20	3.25	20
1012451-20	3.50	20
1012452-20	3.75	20
1012453-20	4.00	20
1012454-20	4.50	20
1012455-20	5.00	20

1012447-25	2.50	25
1012449-25	3.00	25
1012451-25	3.50	25

NC TREK™ OTW		
PRODUCT CODE	BALLOON Ø [MM]	BALLOON LENGTH [MM]

1012432-06	1.50	6
1012433-06	2.00	6
1012434-06	2.25	6
1012435-06	2.50	6
1012436-06	2.75	6
1012437-06	3.00	6
1012438-06	3.25	6
1012439-06	3.50	6

1012432-08	1.50	8
1012433-08	2.00	8
1012434-08	2.25	8
1012435-08	2.50	8
1012436-08	2.75	8
1012437-08	3.00	8
1012438-08	3.25	8
1012439-08	3.50	8
1012440-08	3.75	8
1012441-08	4.00	8

NC TREK™ OTW CONTINUED		
PRODUCT CODE	BALLOON Ø [MM]	BALLOON LENGTH [MM]

1012442-08	4.50	8
1012443-08	5.00	8

1012432-12	1.50	12
1012433-12	2.00	12
1012434-12	2.25	12
1012435-12	2.50	12
1012436-12	2.75	12
1012437-12	3.00	12
1012438-12	3.25	12
1012439-12	3.50	12
1012440-12	3.75	12
1012441-12	4.00	12
1012442-12	4.50	12
1012443-12	5.00	12

1012432-15	1.50	15
1012433-15	2.00	15
1012434-15	2.25	15
1012435-15	2.50	15
1012436-15	2.75	15
1012437-15	3.00	15
1012438-15	3.25	15
1012439-15	3.50	15
1012440-15	3.75	15
1012441-15	4.00	15
1012442-15	4.50	15
1012443-15	5.00	15

1012432-20	1.50	20
1012433-20	2.00	20
1012434-20	2.25	20
1012435-20	2.50	20
1012436-20	2.75	20
1012437-20	3.00	20
1012438-20	3.25	20
1012439-20	3.50	20
1012440-20	3.75	20
1012441-20	4.00	20
1012442-20	4.50	20
1012443-20	5.00	20

1012435-25	2.50	25
1012437-25	3.00	25
1012439-25	3.50	25

* CrossFlex²™ technology available on 3.5 mm – 5.0 mm balloon sizes

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PHYSIOLOGY

PRESSUREWIRE™ X

Wireless Physiology Measurement System

NOW MORE ACCURATE WITH AN IMPROVED DESIGN

- This wire now has a new design for the jacket surrounding the pressure sensor, which improves the clinical decisions made using measurements from the wire
- The soft tip design and hydrophilic coating help navigate tortuous anatomy, enable smoother stent delivery, and improve overall maneuverability

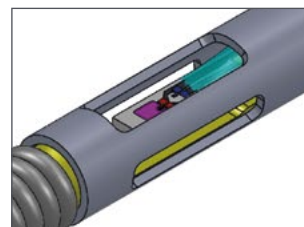
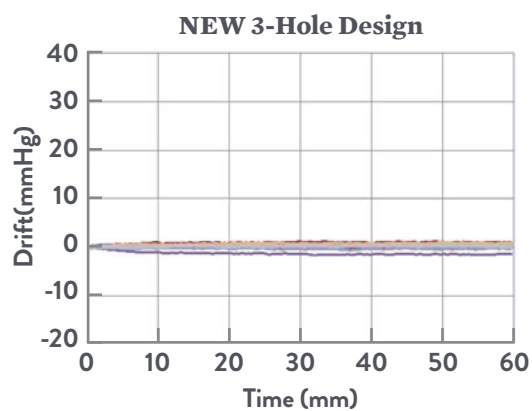
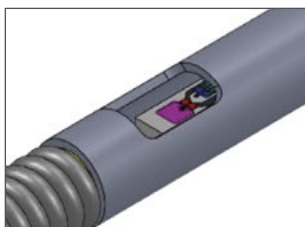
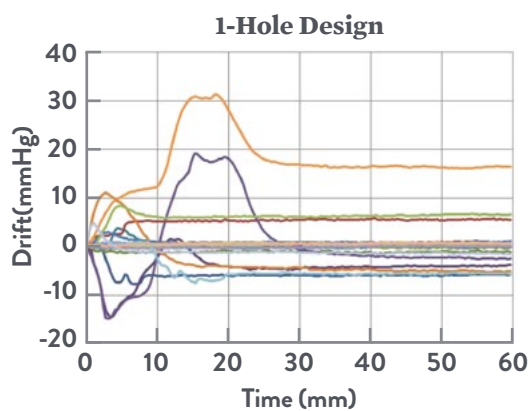
Wireless coronary physiology

- The PressureWire™ X Guide Wire (wireless configuration) is the world's only wireless pressure Guide Wire for Physiology assessment*



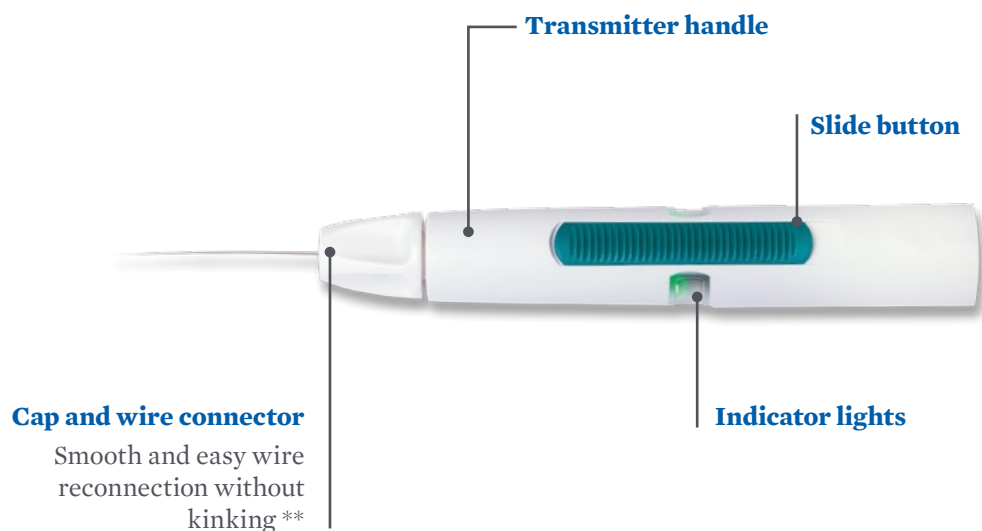
ACCURATE AND RELIABLE

The new design of the jacket surrounding the pressure sensor improves the accuracy of pressure measurements by reducing acute drift of > 2 mmHg by 84%.



HIGH LEVEL OF HANDLING PERFORMANCE

- Improved shapeability and reshapeability for improved navigation**
- Better shape retention for performance in complex anatomy and for multiple pull-backs**
- More durable soft tip designed to protect the vessel in tortuous anatomy* without compromising steerability/trackability**



ORDERING INFORMATION

PRESSUREWIRE™ X WIRELESS FFR MEASUREMENT SYSTEM	
REORDER NUMBER	DESCRIPTION
C12059	PressureWire™ X Wireless Physiology Guide Wire, 175 cm
C12009	PressureWire™ X Cabled Physiology Guide Wire, 175 cm

* Volcano Corp. Verrata† Guide Wire and PrimeWire Prestige† Plus Guide Wire IFUs. Opsens Inc. OptoWire† Guide Wire and OptoWire† II Guide Wire IFUs. ACIST Medical Systems. Navvus† Microcatheter IFU. Boston Scientific Corporation. Comet† Guide Wire IFU.

** Compared to the previous generation (PressureWire™ 8 Guide Wire).

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QUANTIEN™

Integrated Measurement System v.1.12.1

CONFIDENT, WIRELESS DECISION-MAKING AT STRESS OR REST

With software version 1.12.1, you can measure Fractional Flow Reserve (FFR) or Resting Full-cycle Ratio (RFR), Abbott's new resting index.



**NOW
WITH THE
RESTING INDEX,
RFR**

Easy coronary physiology integration

The wireless design of the QUANTIEN™ integrated measurement system allows you to configure your cath lab environment exactly the way you like – without the clutter of cables. Easy cath lab installation without cabling through floor or ceiling – and without cath lab downtime. With the wireless Wi-Box™ transmitter and PressureWire™ X Guide Wire, the QUANTIEN™ system main unit can be placed as a built-in or mobile device anywhere in the cath lab, freeing up valuable table space and allowing control by either sterile- or nonsterile-dressed staff.

Fast and easy wireless physiology

- With the QUANTIEN™ system, physiology is always available when and where you want it, without time-consuming setup or cables.

Full visibility

- Regardless of where you place the QUANTIEN™ system main unit, you can view its video screen on the existing cath lab monitors right next to your angio and hemo screens

Easy to place

- Place it where you want it – on a desktop, on a wall, bedside or on a mobile pole

Touch display

- You have fingertip access to all features, using the latest touch screen technology and a high-resolution widescreen

Full connectivity

- Quick and easy procedures and full case documentation with DICOM® Worklist, DICOM® Archive, local network and USB memory stick data export



PressureWire™ X Guide Wire
Transmitter



QUANTIENT™
Integrated Physiology System

ORDERING INFORMATION

QUANTIENT™ MEASUREMENT SYSTEM

REORDER NUMBER	DESCRIPTION
C12787	QUANTIENT™ Measurement System
C12797	Desktop stand
C12798	Pole bracket
C12799	Wall mount
C12798	Table mount
+ C12777	Note: C12777 only needed if no rail-mounted IV-pole exists

QUANTIENT™ UPGRADE KITS

REORDER NUMBER	DESCRIPTION
H1014680	QUANTIENT™ v.1.12.1 IFU Upgrade Kit (Customer Kit)

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IMAGING

DRAGONFLY™ OPTIS™

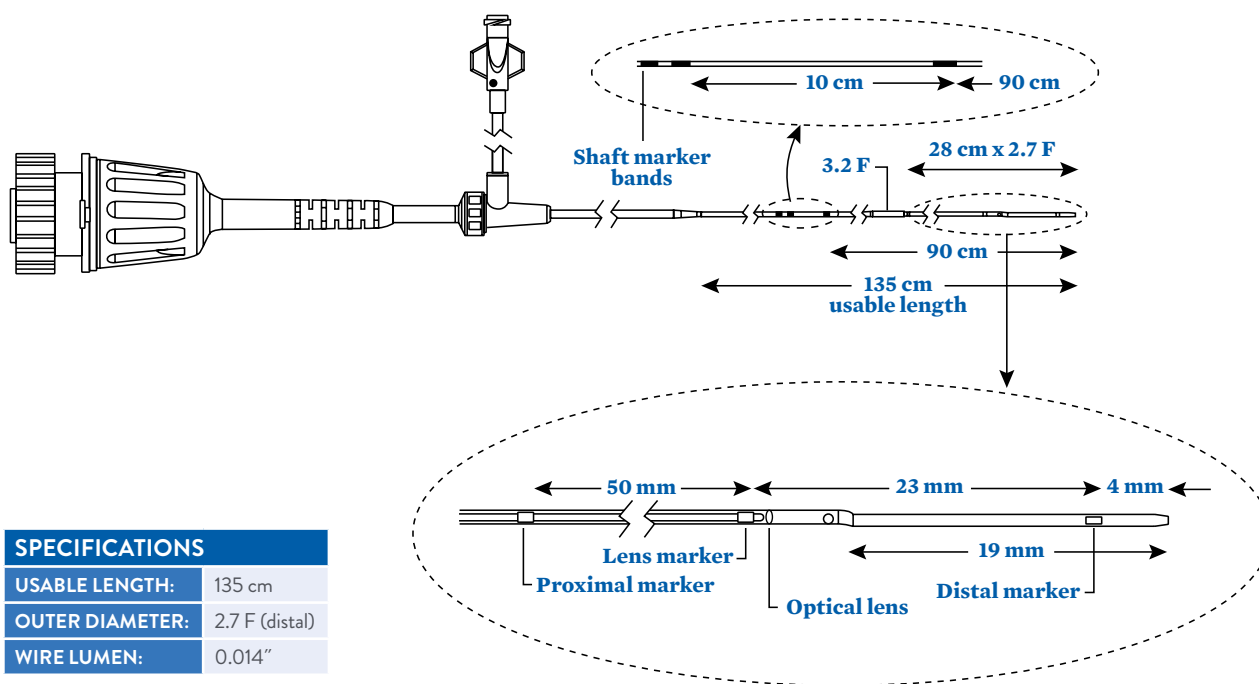
Imaging Catheter

HIGHER DEGREE OF ACCURACY

Product features

- OCT imaging catheter for OPTIS™ integrated system, ILUMIEN™ OPTIS™ and ILUMIEN™ PCI Optimization systems
- Proprietary sheath design provides continuous calibration throughout pullback
- Rapid exchange tip for easier Guide Wire loading
- Radiopaque markers at the distal tip, imaging lens and 50 mm proximal to the lens aid the physician in aligning the OCT pullback to region of interest
- Shaft markers at 90 cm and 100 cm notify the physician when the distal tip is exiting the guide catheter
- 2.7 F low-profile tip
- Hydrophilic coating
- Compatible with standard 0.014" Guide Wires
- Compatible with d.2 and e.2 Software or higher





ORDERING INFORMATION

DRAGONFLY™ OPTIS™

REORDER NUMBER	DESCRIPTION
C408645	Dragonfly™ OPTIS™ Imaging Catheter
C408641	Dragonfly™ OPTIS™ Imaging Catheter and Sterile DOC Cover
C408646	Dragonfly™ OPTIS™ Imaging Catheter, Sterile DOC Cover and 1 Sterile 3 ml Syringe
200-700-00	Sterile DOC Cover
C408655	Sterile 3 ml Syringe

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OPTIS™ MOBILE SYSTEM

Mobile Solution for OCT Angio Co-registration in Multiple Cath Labs

The OPTIS™ Mobile System is designed for use in multiple cath labs to combine OCT angio co-registration and FFR/RFR for more informed decision-making, greater efficiency and improved procedural effectiveness.

Angio co-registration advantage

- Provides confidence in OCT-guided PCI, synchronizing detailed OCT images and angiography
- May save time and reduce contrast/radiation exposure by obtaining OCT and angio simultaneously
- Completes cine and OCT acquisition in two to three seconds and requires only a single cine for co-registration

Gain procedural efficiency

- Allows multiple cath labs to be configured to one easily transportable cart
- Integration into the cath lab via easy pre-installed quick connections
- Includes a wireless tableside controller that provides full control of image acquisition and analysis at the bedside
- Supports centralized viewing of the OCT images on the boom monitor
- Delivers the same rapid OCT acquisition as the OPTIS Integrated System



ORDERING INFORMATION

OPTIS™ MOBILE SYSTEM	
ORDER NUMBER	DESCRIPTION
C408661	OPTIS™ Mobile System* OPTIS™ Mobile System console, Drive Motor and Optical Controller, OPTIS™ Tableside Controller, OPTIS™ Mobile Installation Kit (connectivity for a single cath lab allowing angio co-registration functionality)
C408662	OPTIS™ Mobile Upgrade Kit Includes all necessary components to upgrade an ILUMIEN OPTIS™ System to an OPTIS Mobile System, OPTIS™ Tableside Controller, OPTIS Mobile Installation Kit (connectivity for a single cath lab allowing angio co-registration functionality)
C408663	OPTIS™ Tableside Controller
C408666	OPTIS™ Mobile Installation Kit Connectivity for an additional cath lab allowing angio co-registration functionality for the OPTIS™ Mobile System

* Please contact your sales representative for site qualification and more detailed information.

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OPTIS™ INTEGRATED SYSTEM

For Truly Optimized PCI, It's Location, Location, Location

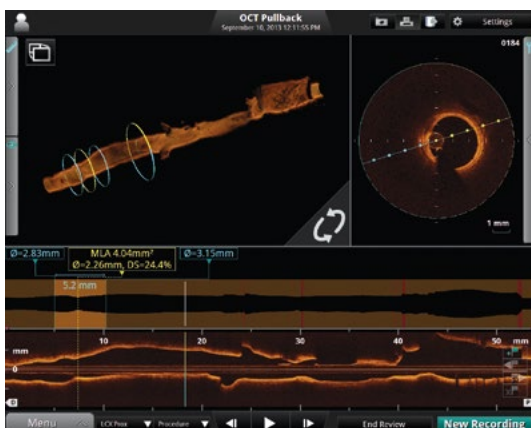
The OPTIS™ Integrated System provides precisely the information you need, exactly where you need it — for more informed decision making, greater efficiency and improved procedural effectiveness, especially in patients with complex lesions.

Right where you need it

This always-on, always-ready system is installed in the cath lab, eliminating setup time and giving you tableside control of OCT and FFR/RFR acquisition and review from the sterile field.

In addition to the workflow efficiencies offered by direct proximity, the on-demand availability of the OPTIS™ Integrated System optimizes PCI workflow without adding significant time. Enhance procedures with:

- Wireless FFR/RFR
- Two to three second OCT pullback
- Rapid image processing
- Simultaneous angio and OCT image acquisition
- Real-time angio-OCT co-registration
- Seamless integration with cath lab IT systems



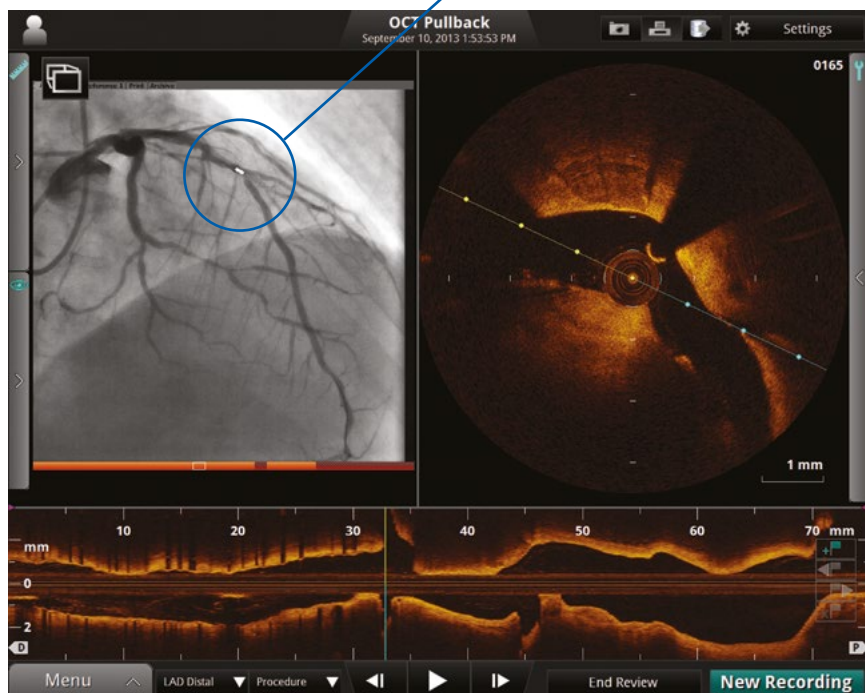
See where you want to see

Get stunning intra-lesion detail with real-time, OCT 3-D visualization. FFR/RFR combined with OCT informs PCI planning and decision making,¹ including:

- Lesion location and functional significance
- Lesion preparation¹
- Post-dilatation decisions¹
- Plaque morphology characterization^{2,3}
- Stent sizing and placement decisions⁴
- Optimal approaches to bifurcation stenting⁴
- Placement and apposition evaluations⁵
- Functional gain post-PCI

YOU ARE HERE

The OPTIS™ Integrated System synchronizes highly detailed OCT images with angiography to determine and **MARK LOCATIONS** within the coronary anatomy.



By integrating functional information with high-resolution anatomical detail and enhanced lesion visualization, the system facilitates more informed diagnostic and procedural decisions, leading to enhanced intervention planning and execution and, ultimately, improved patient outcomes.⁶

ORDERING INFORMATION

OPTIS™ INTEGRATED SYSTEM

ORDER NUMBER	DESCRIPTION
C408652	OPTIS™ Integrated System*

* Please contact your sales representative for site qualification and more detailed information.

1. B. De Bruyne, FAME 2 Trial Investigators. Fractional flow reserve-guided PCI versus medical therapy in stable coronary disease. *New England Journal of Medicine* 2012, 367, 991-1001.
2. T. Kubo, Assessment of culprit lesion morphology in acute myocardial infarction. Ability of optical coherence tomography compared with intravascular ultrasound and coronary angioscopy. *Journal of the American College of Cardiology* 2007, 50, 933-939.
3. G.J. Tearney, International Working Group for Intravascular Optical Coherence Tomography (IWG-IVOCT), Consensus standards for acquisition, measurement, and reporting of intravascular optical coherence tomography studies: A report from the International Working Group for Intravascular Optical Coherence Tomography Standardization and Validation. *Journal of the American College of Cardiology* 2012, 59, 1058-1072.
4. T. Kubo, OCT compared with IVUS in a coronary lesion assessment: the OPUS-CLASS study. *JACC. Cardiovascular Imaging* 2013, 6, 1095-1104.
5. U. Allawhala, Clinical utility of optical coherence tomography (OCT) in the optimisation of Absorb bioresorbable vascular scaffold deployment during percutaneous coronary intervention, *EuroIntervention* 2014, 2015;10:1154-1159.
6. F. Prati, Angiography alone versus angiography plus optical coherence tomography to guide decision-making during percutaneous coronary intervention: The Centro per la Lotta contro l'Infarto-Optimisation of Percutaneous Coronary Intervention (CLI-OPCI) study. *EuroIntervention* 2012, 8, 823-829.

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ILUMIEN™ OPTIS™

Offline Review Workstation

OCT OFFLINE REVIEW / ANALYSIS WORKSTATION

The OCT Offline Review Workstation (ORW) is a proprietary hardware/software station designed specifically for analyzing the data imported from the Abbott intravascular OCT imaging systems.

The Workstation is both powerful and easy to use, employing familiar point-and-click and menu selection techniques, allowing quick review and analysis of OCT

images. It provides the flexibility to complete post procedure measurements whenever and wherever the clinician desires.

This powerful analysis tool provides the information and insights you need to perform multiple data point analyses quickly and accurately.



Product highlights:

- Complete portable analysis solution to provide flexible offline image review workflow
- Multiple view options to easily zoom in and customize areas of interest
- Broad menu of automated measurements for quick and accurate assessment
- Variable axis lateral view (L Mode) for visualization of the full image from different perspectives. This user configured option gives the analyst a multi-dimensional perspective for more informed decisions.
- Multifunction image management toolbar allows quick refinements and selections. Many of the configurations are accessible for individual user configurations.
- Multiple data management options for flexibility and customization. Output image files to external storage over your network or with a variety of external storage media. Manage files as DICOM, MPEG, AVI, TIFF, or JPEG for a range of compression options and transfer methods.

ORDERING INFORMATION

ILUMIEN™ OPTIS™	
REORDER NUMBER	DESCRIPTION
C408651	Computer, monitor, keyboard, mouse and software

Note: The Offline Review Workstation is not for use in the diagnosis of disease or other conditions, or for use in the cure, mitigation, treatment, or prevention of disease. The workstation computer and the monitor are classified as Non-Medical Devices.

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APTIVUE™

Software for the OPTIS™ System

STATE-OF-THE-ART CORONARY PHYSIOLOGY AND OCT IMAGING ON ONE PLATFORM

Automated stent expansion calculations

- Easily determine areas of stent under expansion along the entire stented region to ensure maximum lumen gain

Resting Index, Resting Full-Cycle Ratio (RFR) ¹

- Identifies ischemia-causing lesions without hyperemia
- Allows pullbacks to assess serial lesions and diffuse disease

AptiVue™ software also features:

- Angio co-registration
- Apposition indication
- Automatic measurements for stent planning
- Bifurcation tools
- Fractional Flow Reserve (FFR)



ORDERING INFORMATION

APTIVUE™ SOFTWARE FOR OPTIS™	
REORDER NUMBER	DESCRIPTION
1014663	AptiVue™ Software Upgrade Kit (E.5.1)
1014664	AptiVue™ Software Upgrade Kit (E.5.1) – Offline Review Workstation

I. J. Svanerud, VALIDATE RFR, EuroIntervention, 2018.

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INTRODUCERS

ENGAGE™

Introducer

ACCESS REDEFINED

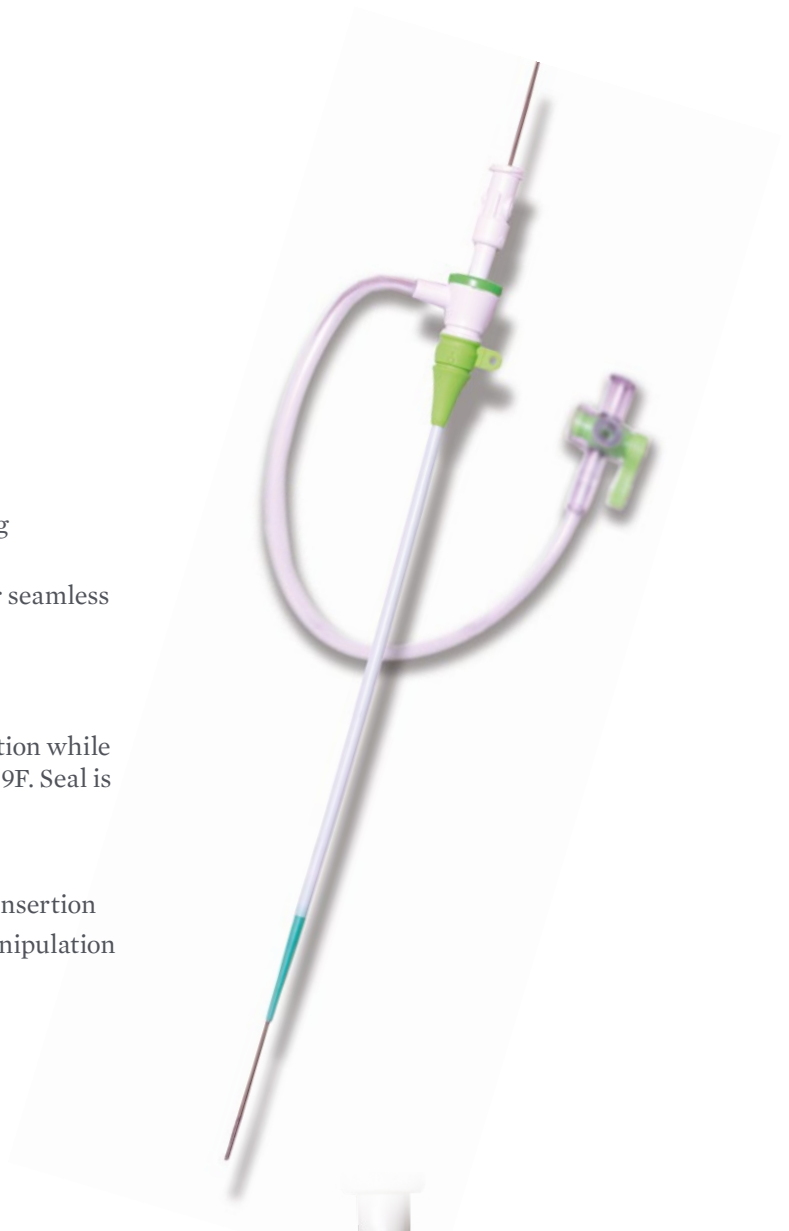
Designed for excellent femoral insertion performance and vascular access

Thoughtful design for procedural performance

- Robust hemostatic valves to minimize backbleeding and air aspiration
- Smooth transitions and gradual tapers designed for seamless insertion and reduced insertion force
- Flexible strain relief aids in kink resistance
- Designed with an atraumatic tip
- Reliable seal designed to balance pass-through friction while maintaining reliable hemostasis with devices up to 9F. Seal is maintained even if no device is inserted

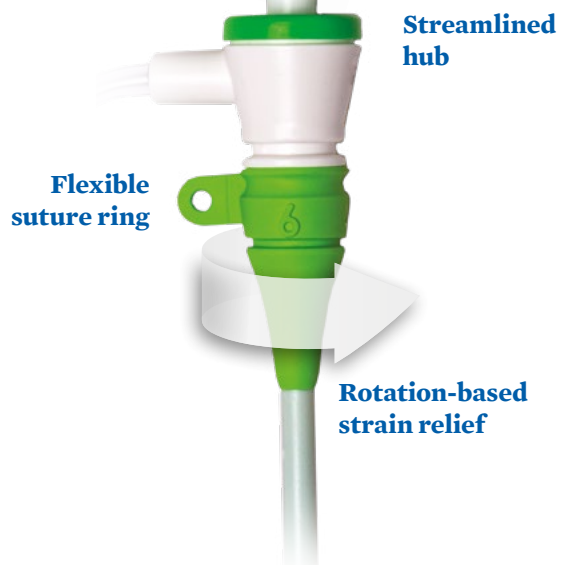
Ease of use

- Snap-lock feature secures dilator in sheath during insertion
- Innovative flexible rotating suture ring for easy manipulation and convenient suture placement
- Larger flush port is designed to decrease internal clot formation



Smooth transitions

from the sheath to the dilator and from the dilator to the Guide Wire



Streamlined hub

Flexible suture ring

Rotation-based strain relief

ORDERING INFORMATION

ENGAGE™ INTRODUCER			
ORDER NUMBER	FRENCH SIZE (F) (ACT)	SHEATH LENGTH (CM)	GUIDE WIRE DIAMETER (IN)
C408500	4	12	0.035
C408501	5	12	0.035
C408502	6	12	0.035
C408503	7	12	0.035
C408504	8	12	0.035
C408505	9	12	0.035
C408511	4	25	0.035
C408512	5	25	0.035
C408513	6	25	0.035
C408514	7	25	0.035
C408515	8	25	0.035
C408516	9	25	0.035
C408506	5	12	0.038
C408507	6	12	0.038
C408508	7	12	0.038
C408509	8	12	0.038
C408510	9	12	0.038
C408517	5	25	0.038
C408518	6	25	0.038
C408519	7	25	0.038
C408520	8	25	0.038
C408521	9	25	0.038

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ENGAGE™ TR

Introducer

ACCESS REDEFINED

Designed for excellent radial insertion performance and vascular access

Thoughtful design for procedural performance

- Robust hemostatic valves to minimize backbleeding and air aspiration
- Smooth transitions and gradual tapers designed for seamless insertion and reduced insertion force
- Flexible strain relief aids in kink resistance
- Reliable seal designed to balance pass-through friction while maintaining reliable hemostasis with devices up to 6F

Ease of use

- Snap-lock feature secures dilator in sheath during insertion
- Innovative flexible rotating suture ring for easy manipulation and convenient suture placement
- Multiple wire and needle configurations to meet a wide range of needs in radial access

Smooth transitions

from the sheath to the dilator and from the dilator to the Guide Wire



Flexible suture ring

Streamlined hub

Rotation-based strain relief



ORDERING INFORMATION

ENGAGE™ TR INTRODUCERS				
ORDER NUMBER	FRENCH SIZE (F) (ACT)	WIRE / NEEDLE CONFIGURATION	SHEATH LENGTH (CM)	GUIDE WIRE DIAMETER (IN)
C408541	4	SS/Standard	8.5	0.025
C408543	5	SS/Standard	8.5	0.025
C408545	6	SS/Standard	8.5	0.025
C408525	4	SS/Standard	12	0.025
C408526	5	SS/Standard	12	0.025
C408527	6	SS/Standard	12	0.025
C408528	4	SS/Standard	25	0.025
C408529	5	SS/Standard	25	0.025
C408530	6	SS/Standard	25	0.025
C408540	4	Coated/Cannula	8.5	0.025
C408542	5	Coated/Cannula	8.5	0.025
C408544	6	Coated/Cannula	8.5	0.025
C408534	4	Coated/Cannula	12	0.025
C408535	5	Coated/Cannula	12	0.025
C408536	6	Coated/Cannula	12	0.025
C408537	4	Coated/Cannula	25	0.025
C408538	5	Coated/Cannula	25	0.025
C4085139	6	Coated/Cannula	25	0.025

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FAST-CATH™

Introducer

ACCESS REDEFINED

The Fast-Cath™ family is designed as both a workhorse sheath for interventional catheterizations and a specialty sheath for brachial access and myocardial biopsy

Available in a range of shapes and sizes to enable support for a wide range of procedures

- Workhorse or specialist sheaths – Support for the broadest range of indications and clinical needs

Dependable hemostasis

- Fast-Cath™ valve designed to preserve catheter handling while minimizing backbleeding and air introduction

Atraumatic tip

- Smooth tapers and tip transitions designed to minimize trauma during vascular access

Fast-Cath™ introducer with GSPC sheath

for myocardial biopsy



5 cm wysham sheath

for brachial artery introduction



ORDERING INFORMATION

STANDARD INTRODUCER SHEATH WITH DILATOR, GUIDE WIRE AND 18G NEEDLE

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)
406350	5	0.038	12
406354	6	0.038	12
406358	7	0.038	12
406362	8	0.038	12
406366	9	0.038	12

STANDARD INTRODUCER SHEATH WITH DILATOR, GUIDE WIRE, LUER LOCK HUB, REPOSITIONING SLEEVE, SYRINGE AND 18G NEEDLE

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)
406110	6	0.032	12
406102	5	0.038	12
406103	6	0.038	12
406107	7	0.038	12
406114	8	0.038	12
406137	8.5	0.038	12
406118	9	0.038	12

STANDARD INTRODUCER SHEATH WITH DILATOR

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)
406200	5	0.038	12
406204	6	0.038	12
406206	6.5	0.038	12
406208	7	0.038	12
406203	7.5	0.038	12
406212	8	0.038	12
406207	8.5	0.038	12
406216	9	0.038	12
406131	6	0.038	23
406749	6	0.038	26
406788	7	0.038	26
406568	6	0.038	40
406597	7	0.038	40
406598	8	0.038	40
406743	6	0.038	45
406742	7	0.038	45
406548	8	0.038	55
406773	7	0.038	98

STANDARD INTRODUCER SHEATH WITH DILATOR, GUIDE WIRE AND OBTURATOR

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)
406584	6	0.038	12
406570	7	0.038	12
406571	7.5	0.038	12
406574	9	0.038	12
406240*	5	0.038	12
406242*	6	0.038	12
406244*	7	0.038	12
406246*	8	0.038	12

* Features Luer Lock

85 CM CURVED INTRODUCER SHEATH

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)	ACCESSORIES INCLUDED	CURVE SHAPE
406764	7	0.038	85	Dilatator	5 cm "J"
406765	7	0.038	85	Dilatator	7 cm "J"
406740	8	0.038	85	Dilatator	5 cm "J"
406741	8	0.038	85	Dilatator	7 cm "J"

STANDARD INTRODUCER SHEATH WITH 2 DILATORS

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)	ACCESSORIES INCLUDED
406143	8.5	0.038	23	2 dilators (5F and 8.5F) and Guide Wire
406117	8	0.038	23	2 dilators (5F and 8F)
406142	8	0.038	23	2 dilators (5F and 8F) and Guide Wire
406125	10	0.038	23	2 dilators (6F and 10F)
406144	9	0.038	23	2 dilators (6F and 9F) and Guide Wire

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FAST-CATH™

Introducer

ORDERING INFORMATION (CONTINUED)

STANDARD INTRODUCER SHEATH WITH DILATOR AND GUIDE WIRE

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)
406159	4	0.021	5
406163	5	0.021	5
406165	6	0.021	5
406540	4	0.021	8.5
406542	5	0.021	8.5
406544	6	0.021	8.5
406546	7	0.025	8.5
406115	4	0.025	12
406101	5	0.032	12
406100	5	0.038	12
406151	5.5	0.038	12
406104	6	0.038	12
406153	6.5	0.038	12
406108	7	0.038	12
406119	7.5	0.038	12
406112	8	0.038	12
406123	8.5	0.038	12
406116	9	0.038	12
406138	5	0.038	23
406139	6	0.038	23
406140	7	0.038	23

GSPC INTRODUCER SHEATH

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)	ACCESSORIES INCLUDED
406772	7	0.038	40	Dilator
406787	7	0.038	85	Dilator

5 CM WYSHAM INTRODUCER SHEATH

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)
406162	5	0.038	5
406164	6	0.038	5
406168	7	0.038	5

INTRODUCER SHEATH WITH LARGE LUMEN

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)	ACCESSORIES INCLUDED
406133	9.5	0.038	12	Dilator and Guide Wire
406120	10	0.038	12	
406134	10.5	0.038	12	
406124	11	0.038	12	
406128	12	0.038	12	
406132	13	0.038	12	
406136	14	0.038	12	
406180	10	0.038	30	
406183	10.5	0.038	30	
406182	11	0.038	30	
406184	12	0.038	30	
406188	14	0.038	30	
406576	10	0.038	12	Dilator, Guide Wire, and snap lock obturator
406578	11	0.038	12	
406579	12	0.038	12	
406581	14	0.038	12	

40 CM INTRODUCER SHEATH WITH 60 DEGREE CURVE

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	LOCK LENGTH (CM)	ACCESSORIES INCLUDED
406783	7	0.038	40	Dilator

ORDERING INFORMATION (CONTINUED)

FAST-CATH™ HEMOSTASIS INTRODUCER WITH GUIDE WIRE WITHOUT SIDE PORT

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)
406543	6	0.038	12
406545	7	0.038	12

FAST-CATH™ HAEMOSTASIS INTRODUCER WITH CATH-LOCK TECHNOLOGY AND GUIDE WIRE

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)
406709	4	0.035	12
406700	5	0.038	12
406703	5.5	0.038	12
406701	6	0.038	12
406704	6.5	0.038	12
406702	7	0.038	12
406705	7.5	0.038	12
406706	8	0.038	12
406707	8.5	0.038	12
406708	9	0.038	12
406724	6	0.038	23

FAST-CATH™-DUO HAEMOSTASIS INTRODUCER WITH CATH-LOCK TECHNOLOGY AND GUIDE WIRE

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)
406331	8	0.038	12
406307	10	0.038	12
406301	12	0.038	12
406333	9	0.038	23

FAST-CATH™-TRIO HAEMOSTASIS INTRODUCER WITH CATH-LOCK TECHNOLOGY AND GUIDE WIRE

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)
406955	10	0.035	40
406961	12	0.035	40
406308	10	0.038	12
406306	12	0.038	12
406303	14	0.038	12
406335	10	0.038	23

HAEMOSTASIS ADAPTER

ORDER NUMBER	FRENCH SIZE (F)	DESCRIPTION ADAPTER
406300	9 or smaller	Haemostasis adapter
406302	9 or smaller	Haemostasis adapter with Luer lock connection
406304	9 or smaller	Haemostasis adapter with “Cath-Lock Tuohy-Borst catheter sealing” mechanism

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ULTIMUM™

Introducer

ACCESS REDEFINED

Designed for access assurance and excellent insertion performance

Sizes to meet a variety of procedural needs

- Supports cases from 4F to 20F

Thoughtful design for procedural performance

- Short and strong dilator for optimal insertion performance
- Smooth tapers and tip transitions allow consistent and controlled vascular access
- Robust hemostatic valves minimize back-bleeding and air aspiration
- Snap-lock feature secures dilator in sheath during insertion

Reliable hemostasis

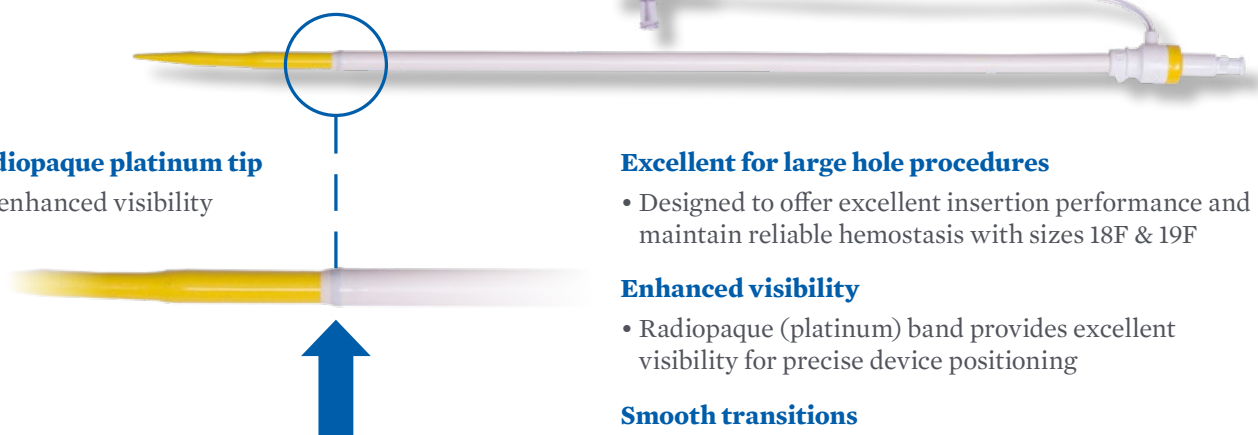
- Double-sealed hemostasis valve provides exceptional seals even around smaller Guide Wire diameters (0.014" Guide Wire compatible)



Unique double-sealed valve allows for more effective bleed-back management

ULTIMUM™ EV INTRODUCERS

Radiopaque platinum tip
for enhanced visibility



Excellent for large hole procedures

- Designed to offer excellent insertion performance and maintain reliable hemostasis with sizes 18F & 19F

Enhanced visibility

- Radiopaque (platinum) band provides excellent visibility for precise device positioning

Smooth transitions

- Dual tapered dilator for easy insertion

ORDERING INFORMATION

ULTIMUM™ INTRODUCER SHEATHS

REORDER NUMBER	FRENCH SIZE (F)	SHEATH LENGTH (CM)	MAX GW DIAMETER (IN)	ACCESSORIES INCLUDED
407830	4	5	0.035	Dilator and Guide Wire
407840	4	12	0.035	Dilator and Guide Wire
407841	4-ACT	12	0.035	Dilator and Guide Wire
407851	4	23	0.035	Dilator and Guide Wire
407852	4-ACT	23	0.035	Dilator and Guide Wire
407692	6	26	0.038	Dilator
407831	5	5	0.038	Dilator and Guide Wire
407832	6	5	0.038	Dilator and Guide Wire
407833	7	5	0.038	Dilator and Guide Wire
407834	8	5	0.038	Dilator and Guide Wire
407836	5	8.5	0.038	Dilator and Guide Wire
407837	6	8.5	0.038	Dilator and Guide Wire
407838	7	8.5	0.038	Dilator and Guide Wire
407842	5	12	0.038	Dilator and Guide Wire
407843	5-ACT	12	0.038	Dilator and Guide Wire
407844	6	12	0.038	Dilator and Guide Wire
407845	6-ACT	12	0.038	Dilator and Guide Wire
407846	7	12	0.038	Dilator and Guide Wire
407847	7-ACT	12	0.038	Dilator and Guide Wire
407848	8	12	0.038	Dilator and Guide Wire
407849	8-ACT	12	0.038	Dilator and Guide Wire
407850	9	12	0.038	Dilator and Guide Wire
407853	5	23	0.038	Dilator and Guide Wire
407854	5-ACT	23	0.038	Dilator and Guide Wire
407855	6	23	0.038	Dilator and Guide Wire
407856	6-ACT	23	0.038	Dilator and Guide Wire
407857	7	23	0.038	Dilator and Guide Wire
407858	7-ACT	23	0.038	Dilator and Guide Wire
407859	8	23	0.038	Dilator and Guide Wire
407860	8-ACT	23	0.038	Dilator and Guide Wire
407861	9	23	0.038	Dilator and Guide Wire
407693	5	12	0.038	Dilator, Guide Wire, Syringe, and 18 gauge XTW Needle
407694	6	12	0.038	Dilator, Guide Wire, Syringe, and 18 gauge XTW Needle
407695	7	12	0.038	Dilator, Guide Wire, Syringe, and 18 gauge XTW Needle
407696	8	12	0.038	Dilator, Guide Wire, Syringe, and 18 gauge XTW Needle

ULTIMUM™ EV INTRODUCER SHEATHS

REORDER NUMBER	FRENCH SIZE (F)	SHEATH LENGTH (CM)	MAX GW DIAMETER (IN)	ACCESSORIES INCLUDED
C407698	18	30	0.035	Dilator
C407699	19	30	0.035	Dilator
407638	5	5	0.035	Dilator and Guide Wire
407639	6	5	0.035	Dilator and Guide Wire
407640	7	5	0.035	Dilator and Guide Wire
407647	4	12	0.035	Dilator and Guide Wire
407648	5	12	0.035	Dilator and Guide Wire
407649	6	12	0.035	Dilator and Guide Wire
407650	7	12	0.035	Dilator and Guide Wire
407651	8	12	0.035	Dilator and Guide Wire
407652	9	12	0.035	Dilator and Guide Wire
407653	10	12	0.035	Dilator and Guide Wire
407654	11	12	0.035	Dilator and Guide Wire
407655	12	12	0.035	Dilator and Guide Wire
407657	4	23	0.035	Dilator and Guide Wire
407659	6	23	0.035	Dilator and Guide Wire
407660	7	23	0.035	Dilator and Guide Wire
407663	10	23	0.035	Dilator and Guide Wire
407697	12	30	0.035	Dual Tapered Dilator
407687	14	30	0.035	Dual Tapered Dilator
407689	18	30	0.035	Dual Tapered Dilator
407690	20	30	0.035	Dual Tapered Dilator
407688	16	35	0.035	Dual Tapered Dilator

ULTIMUM™ LT INTRODUCER SHEATHS

REORDER NUMBER	FRENCH SIZE (F)	SHEATH LENGTH (CM)	MAX GW DIAMETER (IN)	ACCESSORIES INCLUDED
C407594	5	12	0.021	Dilator, Guide Wire, Needle
C407597	6	12	0.021	Dilator, Guide Wire, Needle
C407595	5	12	0.025	Dilator, Guide Wire, Needle
C407598	6	12	0.025	Dilator, Guide Wire, Needle
C407599	6	12	0.035	Dilator, Guide Wire, Needle

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TEMPORARY BIPOLAR PACING CATHETERS

PACEL™

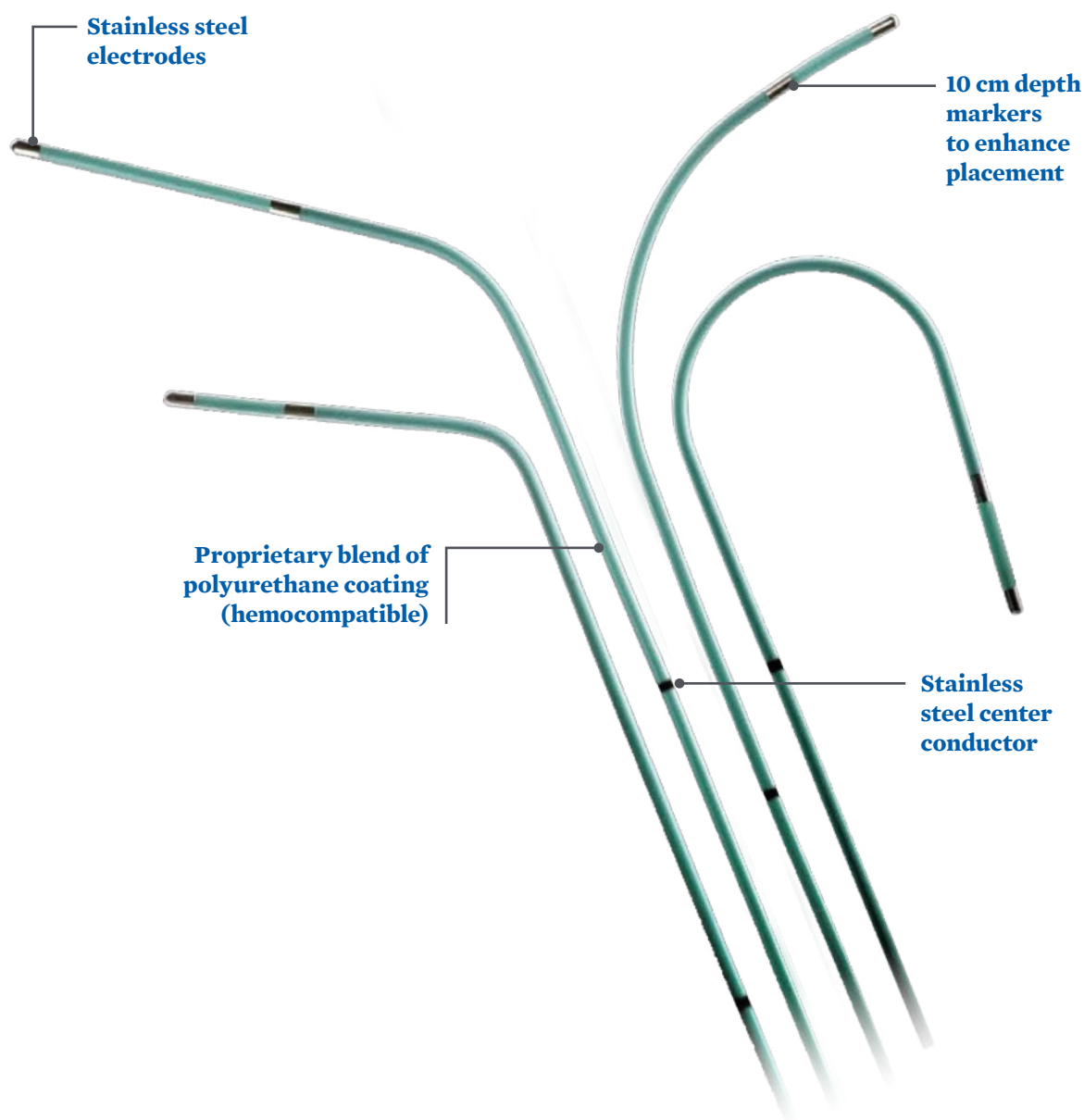
Bipolar Pacing Catheter

DESIGNED FOR MORE OPTIONS. BUILT FOR RELIABILITY

Pacel™ Bipolar Pacing catheters are designed to provide temporary pacing and sensing in the ventricle or atrium.

Pacel™ Bipolar Pacing catheters are available for use under fluoroscopy in the cath lab or critical care unit when precise control is required and are designed to provide:

- Excellent maneuverability and mechanical stability
- Precise control without excess stiffness
- Optimal torque control for challenging anatomies
- Solid core enables user to customize the curve



CATHETER OPTIONS	
VENTRICULAR PACING 60° CURVE	Assists in advancing the catheter into the ventricle from the superior vena cava approach
RIGHT HEART CURVE AND STRAIGHT TIP	Choice of shapes for superior or inferior vena cava approaches
ATRIAL "J" CURVE	Atrial "J" curve ideal for superior vena cava approach for catheter position in the right atrium

ORDERING INFORMATION

VENTRICULAR PACING 60° CURVE				
REORDER NUMBER	CATHETER BODY SIZE	ELECTRODE SPACING (CM)	USABLE LENGTH (CM)	RECOMMENDED INTRODUCER SIZE
401765	4F	1	110	4F
401775	5F	2.5	110	5F
401766	5F	1	110	5F
401776	6F	2.5	110	6F
401767	6F	1	110	6F
401768	7F	1	110	7F

RIGHT HEART CURVE AND STRAIGHT TIP				
REORDER NUMBER	CATHETER BODY SIZE	ELECTRODE SPACING (CM)	USABLE LENGTH (CM)	RECOMMENDED INTRODUCER SIZE
401769	4F	1	110	4F
401770	5F	1	110	5F
401771	6F	1	110	6F
401772	7F	1	110	7F

ATRIAL "J" CURVE				
REORDER NUMBER	CATHETER BODY SIZE	ELECTRODE SPACING (CM)	USABLE LENGTH (CM)	RECOMMENDED INTRODUCER SIZE
401773	5F	1	110	5F
401774	6F	1	110	6F

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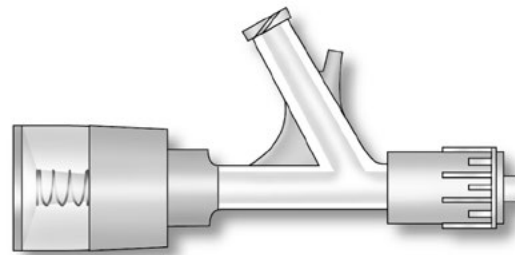
ACCESSORIES

COPILOT™ BLEEDBACK CONTROL VALVE

Hemostatic Valves Accessories

BLOOD LOSS MINIMIZATION FOR A CLEANER, SAFER PROCEDURE

- The COPILLOT Bleedback Control Valve has a 0.096" (2.44 mm) inside diameter. This device has two seals that operate independently: the clamp seal and the bleedback control (BBC) seal
- The clamp seal can be opened or closed by rotating the cap. Closing the clamp seal allows for pressure injections up to 400 psi and also secures the diagnostic / interventional device position within the vasculature
- The BBC seal is a diaphragm seal that forms around diagnostic / interventional devices as they move into and out of the vasculature. This seal provides minimal fluid loss without restricting device movement
- The BBC seal is open when the cap is pressed down, and closed when the cap is released. An open BBC seal allows air to be purged from the device and allows the insertion / withdrawal of diagnostic / interventional devices



ORDERING INFORMATION

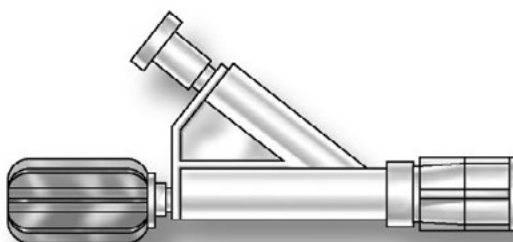
COPILLOT™ BLEEDBACK CONTROL VALVE		
PRODUCT CODE	DESCRIPTION	INNER DIAMETER (IN/MM)
1003331	Copilot Bleedback Control Valve	0.096/2.44

ROTATING HEMOSTATIC VALVE

Hemostatic Valves Accessories

MAINTAIN A FLUID-TIGHT SEAL AROUND INTERVENTIONAL DEVICES SUCH AS DILATATION CATHETERS AND GUIDE WIRES DURING PERCUTANEOUS TRANSLUMINAL ANGIOPLASTY

- Designed to minimize blood loss and optimize control of interventional devices



ORDERING INFORMATION

ROTATING HEMOSTATIC VALVE		
PRODUCT CODE	DESCRIPTION	INNER DIAMETER (IN/MM)
23242	0.096 Rotating Hemostatic Valve	0.096/2.44
23245	0.115 Rotating Hemostatic Valve	0.115/2.92

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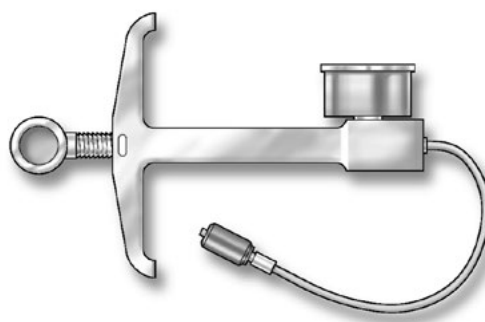
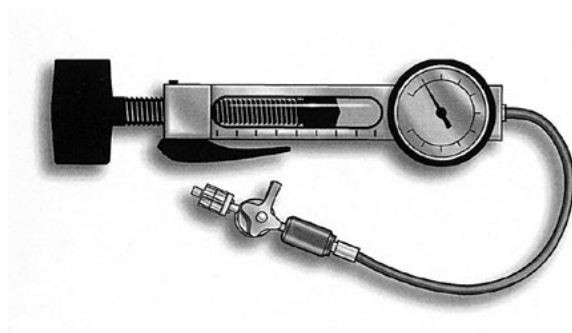


PLUS 30 INDEFLATOR™ INFLATION DEVICE

Indeflators Accessories

INFLATE AND DEFLATE DILATATION CATHETERS AS WELL AS DISPLAY PRESSURE DURING PERCUTANEOUS TRANSLUMINAL ANGIOPLASTY

- Standard design for inflation to a maximum of 30 atmospheres pressure



ORDERING INFORMATION

INDEFLATOR PLUS 30 INFLATION DEVICE			
PRODUCT CODE	DESCRIPTION	SYRINGE (CC)	GAUGE (ATM)
1000183	Indeflator Plus 30 Inflation Device	20	30

20/30 INDEFLATOR™ INFLATION DEVICE

Indeflators Accessories

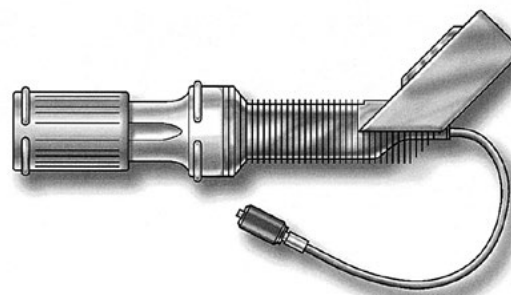
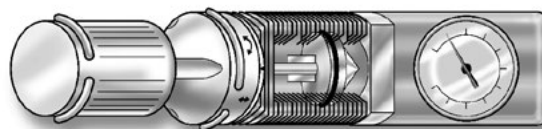
INFLATE AND DEFLATE DILATATION CATHETERS AS WELL AS DISPLAY PRESSURE DURING PERCUTANEOUS TRANSLUMINAL ANGIOPLASTY

- Ergonomic design for device inflation to a maximum of 30 atmospheres pressure

The inflation device is an inflation / deflation device with an analog pressure gauge that registers pressures.

The 20/30 INDEFLATOR Inflation Device registers pressures from VAC to 30 atmospheres (VAC to 441 psi). The device has a quick release lever to quickly engage and disengage the threads on the plunger handle.

A three-way stopcock is included for use during preparation of the device and in conjunction with interventional devices.



ORDERING INFORMATION

INDEFLATOR PLUS 30 INFLATION DEVICE			
PRODUCT CODE	DESCRIPTION	SYRINGE (CC)	GAUGE (ATM)
1000184	20/30 Indeflator Inflation Device	20	30

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TORQUE DEVICE

Guide Wire Accessories

FACILITATE THE STEERING OF THE GUIDE WIRES WITHIN THE VASCULAR ANATOMY

- Provides grip for steering guide wires in the anatomy

The torque device is designed to be used with 0.009" (0.23 mm) to 0.018" (0.46 mm) guide wires to facilitate the steering of the guide wires within the vascular anatomy.



ORDERING INFORMATION

TORQUE DEVICES		
PRODUCT CODE	DESCRIPTION	COMPATIBLE GUIDE WIRES (IN/MM)
22215	Torque Device - 10 Pack	0.009 – .018/0.22 – 0.45

GUIDE WIRE INTRODUCER

Guide Wire Accessories

EASY ACCESS OF WIRES THROUGH RHVS, WHILE PREVENTING WIRE TIP DAMAGE

- The guide wire introducer is a device designed to assist in the introduction of 0.009" (0.23 mm) to 0.018" (0.46 mm) guide wires used in conjunction with vascular interventional and / or diagnostic devices.



ORDERING INFORMATION

INTRODUCERS		
PRODUCT CODE	DESCRIPTION	COMPATIBLE GUIDE WIRES (IN/MM)
22290	Guide Wire Introducer - 10 Pack	0.009 – 0.018/0.22 – 0.45

DOC GUIDE WIRE EXTENSION

Guide Wire Accessories

EXTEND THE LENGTH OF A GUIDE WIRE TO ALLOW THE EXCHANGE OF ONE DILATATION CATHETER FOR ANOTHER

- The DOC Guide Wire Extension is a PTFE-coated stainless steel guide wire attachment which is 0.014 inches (nominal) in diameter and 143,5 centimeters (nominal) in length



It is exclusively compatible with wires of the HI-TORQUE Guide Wire Series which have been modified for the attachment of the DOC Guide Wire Extension.

The DOC Guide Wire Extension is packaged with an insertion device to facilitate the extension procedure.

When the exchange procedure is complete, the DOC Guide Wire Extension is detachable. A maximum of four detachments is recommended.

ORDERING INFORMATION

DOC GUIDE WIRE EXTENSION		
PRODUCT CODE	DESCRIPTION	COMPATIBLE GUIDE WIRES (IN/MM)
22260	(Proximal guide wire extender for OTW/RX platform flexibility)	0.014/0.018*

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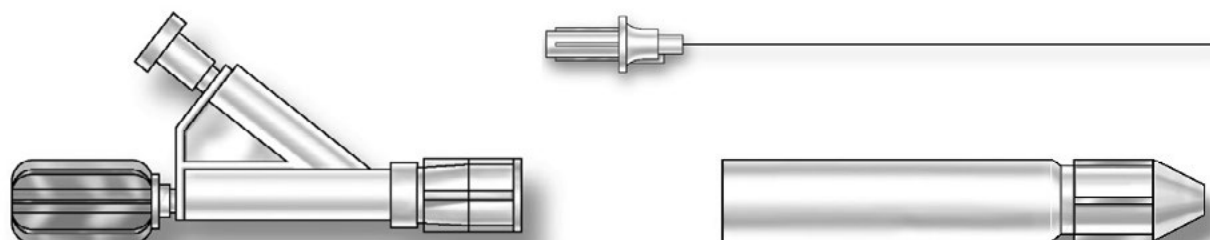
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GUIDE WIRE KIT WITH RHV

Guide Wire Accessories

- This kit contains a GW Introducer, torque device, and an RHV



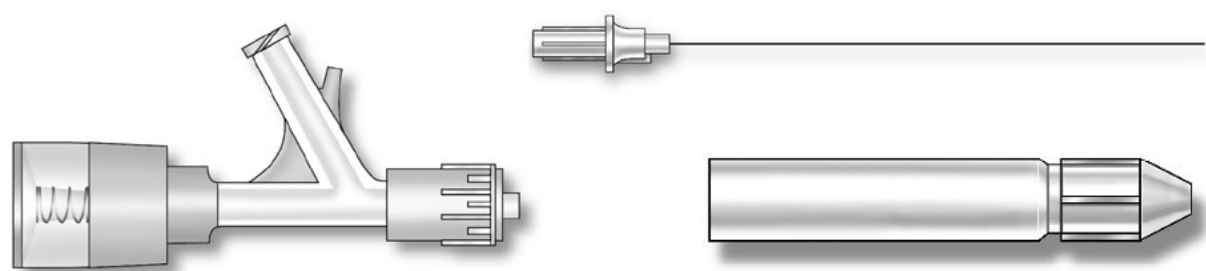
ORDERING INFORMATION

GUIDE WIRE KIT WITH RHV		
PRODUCT CODE	DESCRIPTION	COMPATIBLE GUIDE WIRES (IN/MM)
22295	Guide Wire Introducer and Torque Device 0.096 Rotating Hemostatic Valve Diameter 0.096/2.44	0.009 – 0.018/0.22 – 0.45
22295-115	Guide Wire Introducer and Torque Device 0.115 Rotating Hemostatic Valve Diameter 0.115/2.92	0.009 – 0.018/0.22 – 0.45

GUIDE WIRE KIT WITH COPILOT™ BLEEDBACK CONTROL VALVE

Guide Wire Accessories

- This kit contains a GW Introducer, torque device, and a COPILOT



ORDERING INFORMATION

GUIDE WIRE KIT WITH COPILOT		
PRODUCT CODE	DESCRIPTION	COMPATIBLE GUIDE WIRES (IN/MM)
1003330	Guide Wire Introducer and Torque Device Copilot Bleedback Control Valve Diameter 0.096/2.44	0.009 – 0.018/0.22 – 0.45

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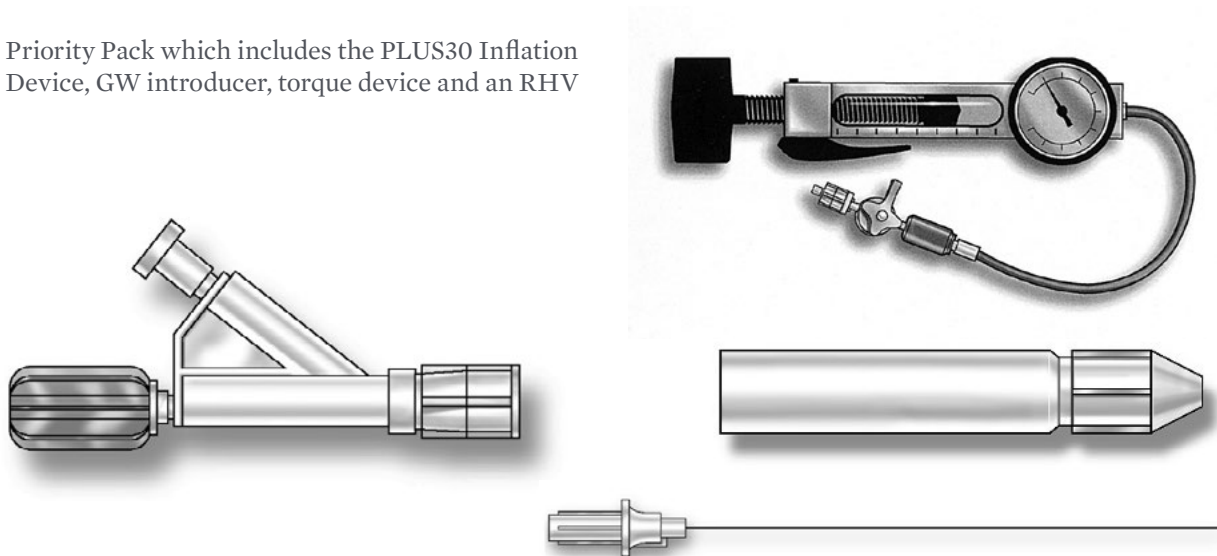


PTCA PRIORITY PACK

Accessory Kits

BLOOD LOSS MINIMIZATION FOR A CLEANER, SAFER PROCEDURE

- Priority Pack which includes the PLUS30 Inflation Device, GW introducer, torque device and an RHV



ORDERING INFORMATION

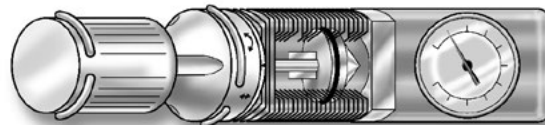
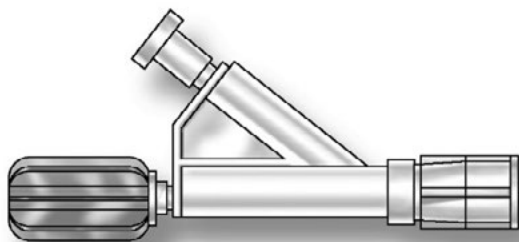
PTCA PRIORITY PACK					
PRODUCT CODE	DESCRIPTION	SYRINGE (CC)	GAUGE (ATM)	DIAMETER (IN/MM)	GUIDE WIRES (IN/MM)
1000185	Indeflator Plus 30 Inflation Device 0.096 Rotating Hemostatic Valve Guide Wire Introducer Torque Device	20	30	0.096/2.44	0.010 – 0.018/0.25 – 0.45 0.010 – 0.018/0.25 – 0.45

PRIORITY PACK 20/30 WITH RHV

Accessory Kits

BLOOD LOSS MINIMIZATION FOR A CLEANER, SAFER PROCEDURE

- Priority Pack which includes the 20/30 Inflation Device, GW introducer, torque device and an RHV



ORDERING INFORMATION

20/30 PRIORITY PACK WITH RHV (ROTATING HEMOSTATIC VALVE)					
PRODUCT CODE	DESCRIPTION	SYRINGE (CC)	GAUGE (ATM)	DIAMETER (IN/MM)	GUIDE WIRES (IN/MM)
1000186	20/30 Indeflator Inflation Device 0.096 Rotating Hemostatic Valve Guide Wire Introducer Torque Device	20	30	0.096/2.44	0.010 – 0.018/0.25 – 0.45 0.010 – 0.018/0.25 – 0.45
1000186-115	20/30 Indeflator Inflation Device 0.115 Rotating Hemostatic Valve Guide Wire Introducer Torque Device	20	30	0.115/2.92	0.010 – 0.018/0.25 – 0.45 0.010 – 0.018/0.25 – 0.45

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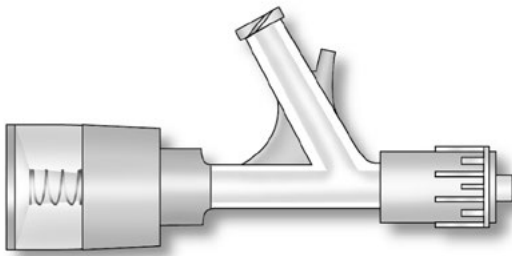
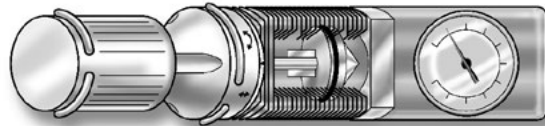


PRIORITY PACK 20/30 WITH COPILOT™ BLEEDBACK CONTROL VALVE

Accessory Kits

BLOOD LOSS MINIMIZATION FOR A CLEANER, SAFER PROCEDURE

- Priority Pack which includes the 20/30 Inflation Device, GW introducer, torque device and the COPILOT



ORDERING INFORMATION

20/30 PRIORITY PACK WITH RHV					
PRODUCT CODE	DESCRIPTION	SYRINGE (CC)	GAUGE (ATM)	DIAMETER (IN/MM)	GUIDE WIRES (IN/MM)
1003327	20/30 Indeflator Inflation Device Copilot Bleedback Control Valve Guide Wire Introducer Torque Device	20	30	0.096/2.44	0.010 – 0.018/0.25 – 0.45 0.010 – 0.018/0.25 – 0.45

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Endovascular



For more than 125 years, we've put science and innovation to work – to create more possibilities for more people through the power of health. We adapt and respond quickly to changes in the world around us to deliver better solutions to help people live their best lives. We create breakthrough medical device products that help you, your family and your community lead healthier lives, full of unlimited possibilities.

Extending through a broad range of product solutions in Peripheral Intervention, Hemostasis Management and Carotid product lines, our breakthrough in Endovascular minimally invasive technologies help restore people's health so they can get back to living best lives.

Peripheral intervention product portfolio includes peripheral stents (Balloon Expandable, Self-Expanding and Vascular Mimetic), peripheral guidewires and balloon dilation catheters.

For Hemostasis management, we provide Vascular Closure or Assisted Compression devices, designed to facilitate secure vascular access hemostasis after diagnostic or interventional catheterizations.

In Carotid solutions, we provide Open and Closed Cell Carotid stents together with embolic protection devices, offering physicians a choice in systems to best meet a patient's needs.

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PERIPHERAL GUIDE WIRES

HI-TORQUE COMMAND™ 14

0.014" Peripheral Guide Wire

AN INNOVATIVE APPROACH TO GUIDE WIRE CONSTRUCTION

Optimal material fusion for successful lower leg applications

Hybrid wire, specifically developed for the requirements of lower leg interventions. The unique combination of stainless steel and nitinol uses the advantages of both materials for an optimal balance between control and navigation.

- **Stainless steel** body for excellent torque and support
- Distal **Nitinol** end for superb flexibility and tip durability
- Two different support levels: HT Command, HT Command ES (for extra support)

Distal nitinol end for superb flexibility and tip durability

- Two different levels of tip load:
 - 2.8 g
 - 3.5 g
- Less traumatic and easier to navigate in tortuous anatomies
- **Hydrophilic** coating on a radiopaque polymer cover for improved lubricity, gliding and visibility

Transitionless weld for uniform support without stress points

- Ensures smooth device compatibility

Stainless steel body for excellent torque and support

Maintains 1-1 torque over the length of the wire

- Handling and control improved by proximal **hydrophobic** coating
- Two different support levels: HI-TORQUE COMMAND™, HI-TORQUE COMMAND™ ES (for extra support)

Shapeable nitinol tip

- For improved tip durability



Radiopaque platinum marker

- 3 cm distal platinum radiopaque coils

ORDERING INFORMATION

HI-TORQUE COMMAND™ 14							
ORDER NUMBER	DESCRIPTION	WIRE LENGTH (CM)	RADIOPAQUE TIP (CM)	TIP DIAMETER (IN)	TIP SHAPE	TIP STIFFNESS, TIPLOAD (G)	UNITS/PACK
2078172	Command	190	3	0.014	Straight, shapeable	2.8	5
2078176	Command	250	3	0.014	Straight, shapeable	2.8	5
2078173	Command	300	3	0.014	Straight, shapeable	2.8	5
2078174	Command ES	190	3	0.014	Straight, shapeable	3.5	5
2078177	Command ES	250	3	0.014	Straight, shapeable	3.5	5
2078175	Command ES	300	3	0.014	Straight, shapeable	3.5	5

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HI-TORQUE SPARTACORE™ 14

0.014" Supportive Delivery Guide Wire

DELIVER WITH CONFIDENCE

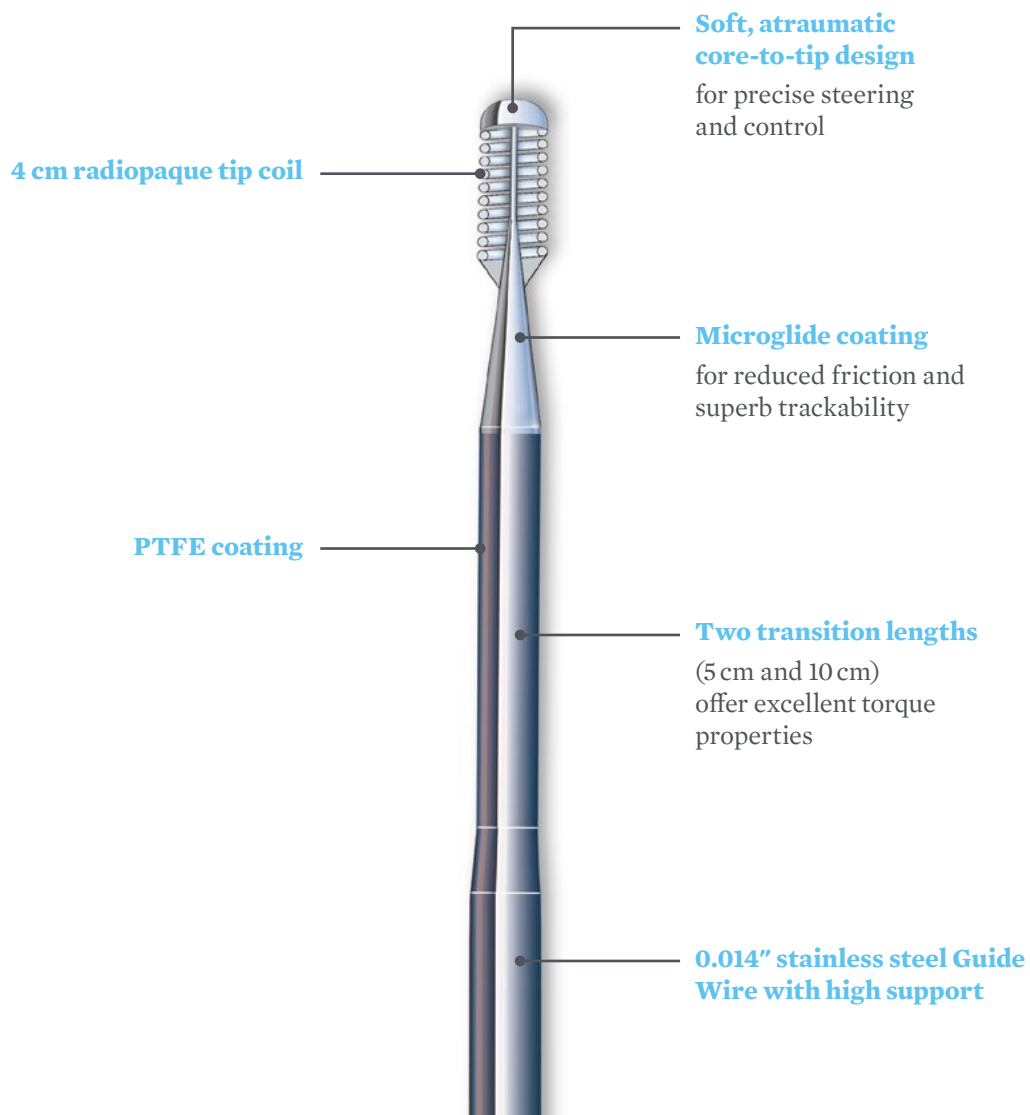
Excellent .014" Support with superb steerability and an atraumatic tip

Extra support torque

- Supportive stainless steel shaft for excellent tactile feedback
- Core-to-tip design for precise steering and control
- 5 cm and 10 cm intermediate segments provide maximum torque ability
- Wire lengths of 130 cm, 190 cm and 300 cm

Superb trackability

- Hydrophobic coating over distal 7 cm provides low friction and superb trackability
- 4 cm radiopaque tip coil
- Platinum marker to locate the wire accurately



ORDERING INFORMATION

HI-TORQUE SPARTACORE™ 14				
ORDER NUMBER	WIRE LENGTH (CM)	RADIOPAQUE TIP (CM)	TRANSITION LENGTH (CM)	UNITS/PACK
1005201*	130*	4	5	5
1005202	190	4	5	5
1005203	300	4	5	5
1005204*	130*	4	10	5
1005205	190	4	10	5
1005206	300	4	10	5

Torque devices sold separately in packs of ten (Order No. 22215).

* DOC wire extension available (Order No. 22260)

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HI-TORQUE WINN™

Family of chronic total occlusion (CTO) Guide Wires

FEEL. CROSS. WINN.

HI-TORQUE WINN™ family's unique design offers a selection of tip loads with excellent tactile feel, maximum torque and pushability for intraluminal crossing of challenging below-the-knee chronic occlusions

Excellent tactile feel

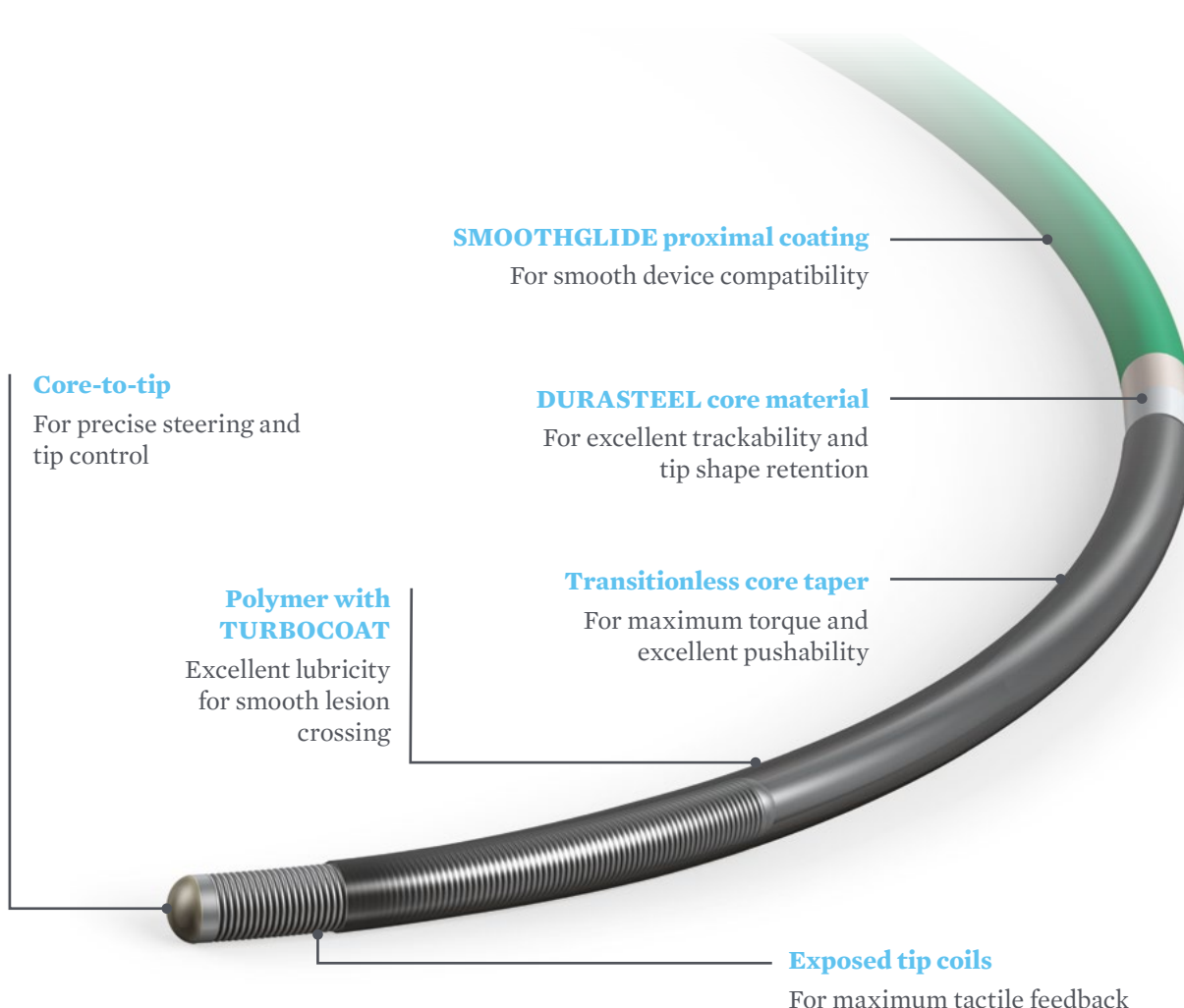
Know where you are

- Exposed shapeable tip coils for maximum tactile feedback
- DURASTEEL core-to-tip for tip shape retention, control and precise steering

Maximum torque

Be in control

- Transitionless DURASTEEL core taper for maximum torque and excellent pushability
- Intermediate hydrophobic polymer sleeve for smooth chronic occlusion crossing



FAMILY OF GUIDE WIRES DESIGNED FOR CHRONIC OCCLUSIONS

HI-TORQUE WINN™ 40



- Ideal for probing and sliding
- 4.8 g tip load
- Straight tip that tapers to 0.012"

HI-TORQUE WINN™ 80



- Stiff tip ideal for drilling
- 9.7 g tip load
- Straight tip that tapers to 0.012"

HI-TORQUE WINN™ 200T



- Extra stiff tip ideal for drilling
- 13 g tip load
- Straight tip that tapers to 0.009"

ORDERING INFORMATION

HI-TORQUE WINN™ 40

ORDER NUMBER	WIRE LENGTH (CM)	TIP DIAMETER (IN)	TIP SHAPE	TIP STIFFNESS (G)	UNITS/PACK
1012466	190	0.012	Straight	4.8	5
1012467	300	0.012	Straight	4.8	5

HI-TORQUE WINN™ 80

ORDER NUMBER	WIRE LENGTH (CM)	TIP DIAMETER (IN)	TIP SHAPE	TIP STIFFNESS (G)	UNITS/PACK
1012468	190	0.012	Straight	9.7	5
1012469	300	0.012	Straight	9.7	5

HI-TORQUE WINN™ 200T

ORDER NUMBER	WIRE LENGTH (CM)	TIP DIAMETER (IN)	TIP SHAPE	TIP STIFFNESS (G)	UNITS/PACK
1012474	190	0.009	Tapered, Straight	13	5
1012475	300	0.009	Tapered, Straight	13	5

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HI-TORQUE COMMAND™ 18

0.018" Peripheral Guide Wire

DON'T COMPROMISE. TAKE COMMAND.

Designed for access, cross and device delivery in SFA and BTK

- Shapeable nitinol tip provides outstanding tip durability
- Stainless steel body provides superb torque, support, and pushability

Patented transitionless weld

for smooth device compatibility
and torque transmission



Polymer cover with hydrophilic coating

for lubricity and
smooth navigation

High tensile strength stainless steel

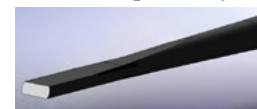
for outstanding support,
push, and torque

Shapeable, durable nitinol tip

provides outstanding tip durability
(even after tip prolapse)

Flattened tip

designed for shapeability
and re-shapeability



3 cm radiopaque tip coils

for visibility

Parabolic core

designed with a transitionless core
grind for outstanding torque control



HI-TORQUE COMMAND™ 18 ST

Crossing wire

10 cm nitinol segment at the distal end. It provides high support and a flexible tip (4 g), which have been specially developed for crossing occlusions or for prolapsing in the subintimal space.



HI-TORQUE COMMAND™ 18 LT

Navigation wire

25 cm nitinol segment at the distal end. Flexible, and with a soft tip (4 g) for effective steering through wounded vessels.



ORDERING INFORMATION

HI-TORQUE COMMAND™ 18							
ORDER NUMBER	DESCRIPTION	WIRE DIAMETER (IN)	NITINOL LENGTH (CM)	TIP LOAD (G)	TIP SHAPE	WIRE LENGTH (CM)	UNITS/PACK
1013784	HI-TORQUE COMMAND™ 18 ST	0.018	10	4	Straight	210	5
1013785	HI-TORQUE COMMAND™ 18 ST	0.018	10	4	Straight	300	5
1013806	HI-TORQUE COMMAND™ 18 LT	0.018	25	4	Straight	210	5
1013807	HI-TORQUE COMMAND™ 18 LT	0.018	25	4	Straight	300	5

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HI-TORQUE CONNECT™

0.018" Peripheral Guide Wire Family

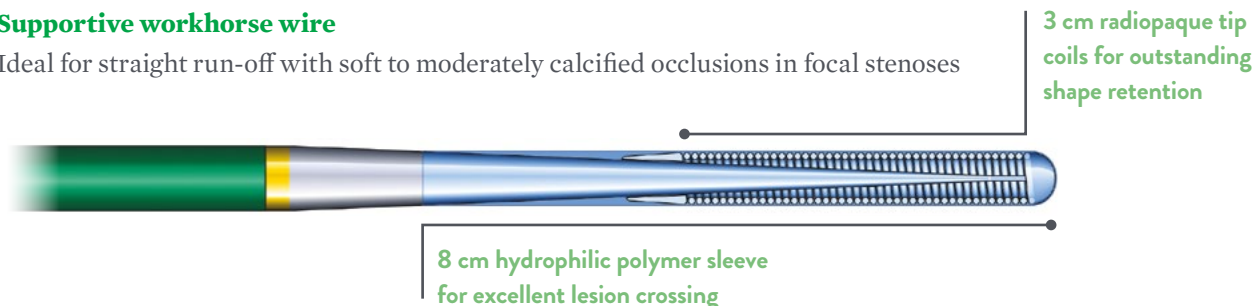
THE POWER TO CONNECT

- Different support levels to provide options for lesion crossing in straight to tortuous anatomies
- Choice of increasing tip loads and penetration power to maximise crossing in soft to heavily calcified lesions
- Outstanding torque performance and control especially in contralateral approach

HI-TORQUE CONNECT™

Supportive workhorse wire

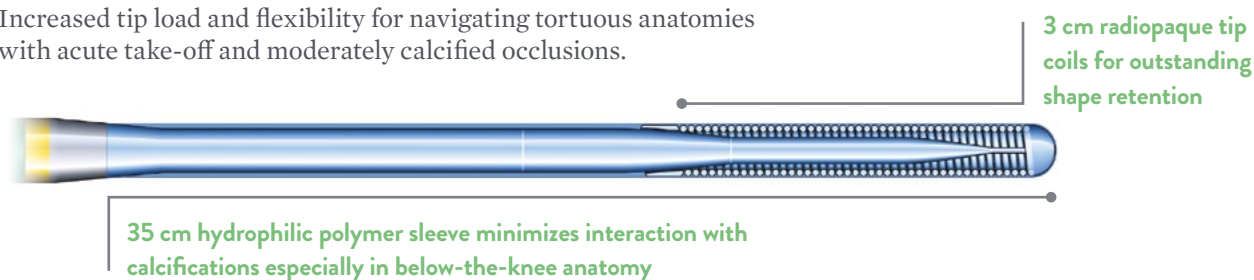
Ideal for straight run-off with soft to moderately calcified occlusions in focal stenoses



HI-TORQUE CONNECT™ FLEX

Trackable workhorse wire

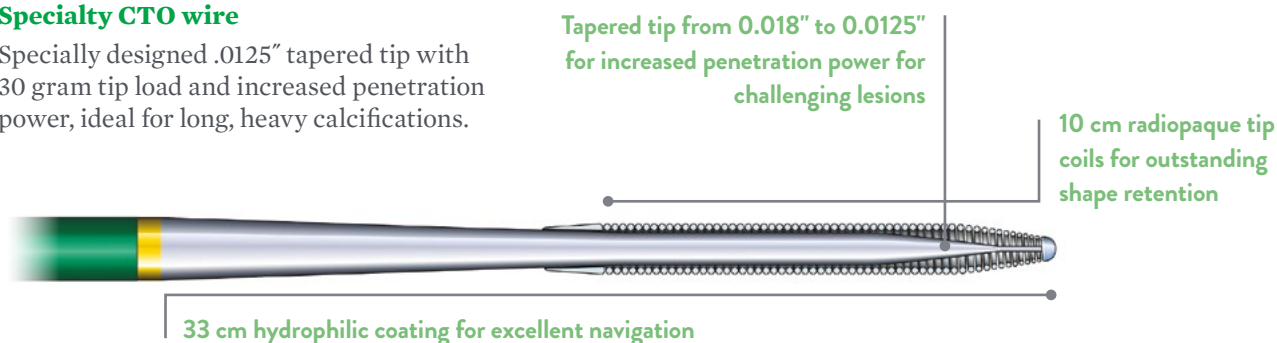
Increased tip load and flexibility for navigating tortuous anatomies with acute take-off and moderately calcified occlusions.

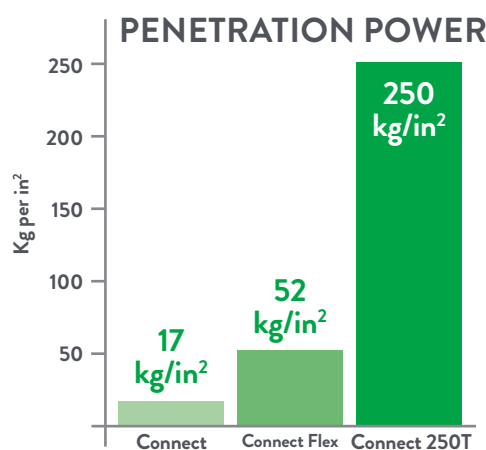
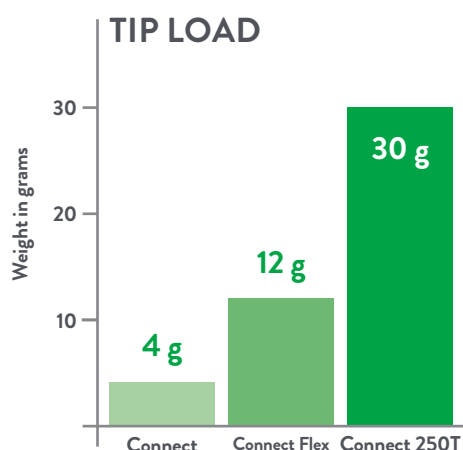
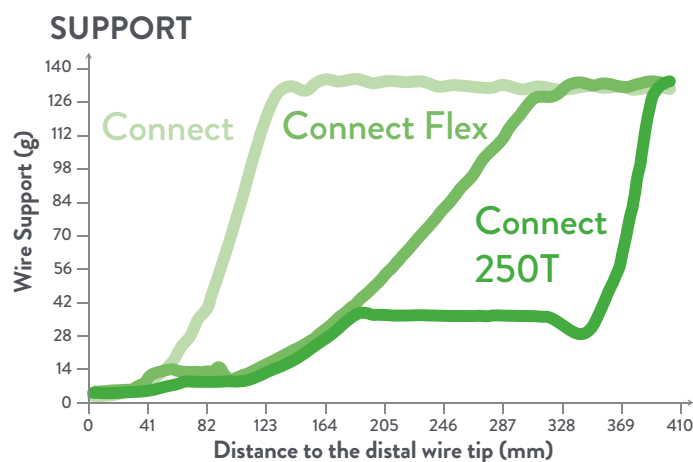


HI-TORQUE CONNECT™ 250T

Specialty CTO wire

Specially designed .0125" tapered tip with 30 gram tip load and increased penetration power, ideal for long, heavy calcifications.





ORDERING INFORMATION

HI-TORQUE CONNECT™						
DESCRIPTION	STOCK NUMBER	WIRE SIZE (CM)	TIP DIAMETER (IN)	WIRE LENGTH (CM)	TIP STIFFNESS (G)	TIP STYLE
HI-TORQUE CONNECT™ 145 cm	1012587	0.018	0.018	145	4	Straight
HI-TORQUE CONNECT™ 195 cm	1012588	0.018	0.018	195	4	Straight
HI-TORQUE CONNECT™ 300 cm	1012589	0.018	0.018	300	4	Straight

HI-TORQUE CONNECT™ FLEX						
DESCRIPTION	STOCK NUMBER	WIRE SIZE (CM)	TIP DIAMETER (IN)	WIRE LENGTH (CM)	TIP STIFFNESS (G)	TIP STYLE
HI-TORQUE CONNECT™ Flex 145 cm	1012590	0.018	0.018	145	12	Straight
HI-TORQUE CONNECT™ Flex 195 cm	1012591	0.018	0.018	195	12	Straight
HI-TORQUE CONNECT™ Flex 300 cm	1012592	0.018	0.018	300	12	Straight

HI-TORQUE CONNECT™ 250T						
DESCRIPTION	STOCK NUMBER	WIRE SIZE (CM)	TIP DIAMETER (IN)	WIRE LENGTH (CM)	TIP STIFFNESS (G)	TIP STYLE
HI-TORQUE CONNECT™ 250T 145 cm	1012593	0.0125	0.018	145	30	Straight
HI-TORQUE CONNECT™ 250T 195 cm	1012594	0.0125	0.018	195	30	Straight
HI-TORQUE CONNECT™ 250T 300 cm	1012595	0.0125	0.018	300	30	Straight

*Penetration force is the ratio of the tip rigidity to the cross-section of the Guide Wire tip.

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HI-TORQUE STEELCORE™ 18 & 18 LT

0.018" Supportive Delivery Guide Wire

THE .018 SUPPORT YOU NEED

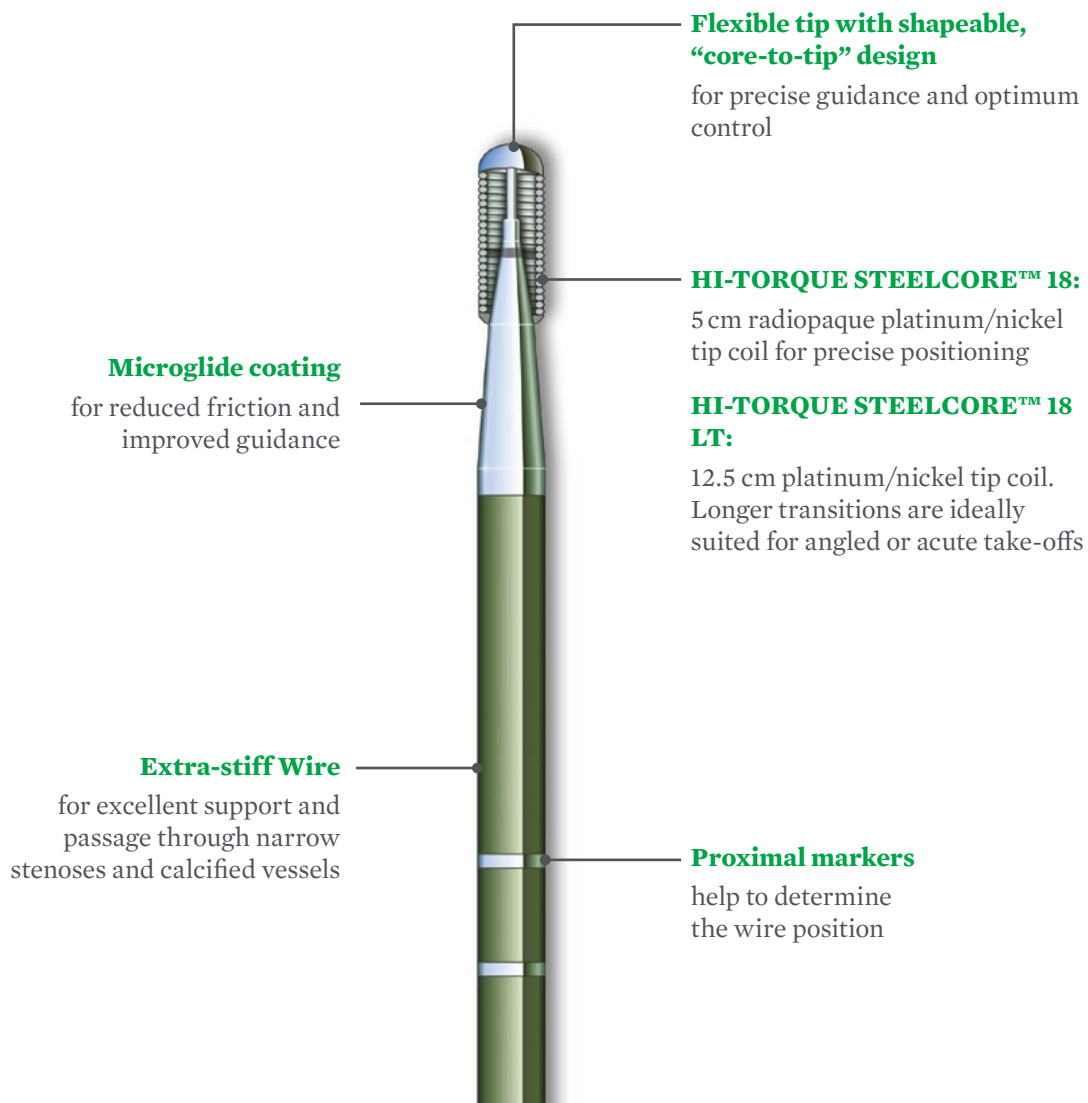
Support and flexibility for a successful crossing and device delivery

Extra support & flexibility

- Supportive stainless steel shaft for excellent tactile feedback
- 1:1 torque transfer for reliable navigation, including around bends
- Provides support from the proximal through to the distal end

Versatile options

- Available in two transition lengths; Steelcore LT has a longer core taper than Steelcore for increased flexibility and steering
- Shapeable tip with platinum/nickel coil
- Wire lengths: 190 and 300 cm



ORDERING INFORMATION

HI-TORQUE STEELCORE™ 18

DESCRIPTION	STOCK NUMBER	WIRE SIZE (IN)	WIRE LENGTH (CM)	TIP SHAPE	TIP TAPER
Hi-Torque 018 Steelcore 190 cm	1003281	0.018	190	Straight	Straight
Hi-Torque 018 Steelcore 300 cm	1003282	0.018	300	Straight	Straight

HI-TORQUE STEELCORE™ 18 LT

DESCRIPTION	STOCK NUMBER	WIRE SIZE (IN)	WIRE LENGTH (CM)	TIP SHAPE	TIP TAPER
Hi-Torque 018 Steelcore LT 190 cm	1007709	0.018	190	Straight	Straight
Hi-Torque 018 Steelcore LT 300 cm	1007710	0.018	300	Straight	Straight
Hi-Torque 018 Steelcore LT J 190 cm	1007709-J	0.018	190	J	Straight
Hi-Torque 018 Steelcore LT J 300 cm	1007710-J	0.018	300	J	Straight

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GUIDERIGHT™

0.035" Guide Wire for Accurate Access

GUIDING THROUGH ACCESS

GuideRight™ is a stainless steel access Guide Wire, designed to overcome standard clinical challenges

Stainless steel core

- Ideal for general needle access, introduction of sheaths, and catheter placement

PTFE (Teflon) pre-coating

- Exceptional surface properties with increased slide capability and reduced friction between the catheter and Guide Wire

Versatile product offering

- Multiple lengths, tip configurations, and diameters to meet a variety of clinical needs



ORDERING INFORMATION

GUIDERIGHT™						
ORDER NUMBER	DESCRIPTION	DIAMETER (IN)	LENGTH (CM)	"J" RADIUS (MM)	FLEXIBLE TIP LENGTH (CM)	UNITS PER PACK
404555	Standard, Straight, "J"	0.035	150	3	5	5
404560	Super Stiff, "J"	0.032	180	3	8	5
404568	Standard, "J"	0.025	150	3	5	5
404569	Standard, "J"	0.032	150	3	5	5
404570	Standard, "J"	0.035	150	3	5	5
404571	Standard, "J"	0.035	180	3	5	5
404577	Standard, Exchange, "J"	0.035	260	3	5	5
404578	Firm, "J"	0.035	150	3	3	5
404610	Standard, "J"	0.038	150	3	5	5
404617	Standard, Exchange, "J"	0.038	260	3	5	5
404840	Standard, Straight	0.035	150	N/A	6	5
404843	Bentson, Straight	0.035	150	N/A	15	5
404844	Standard, Exchange, Straight	0.035	260	N/A	6	5
404878	Standard, Exchange, "J"	0.032	260	3	5	5

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HYDROSTEER™

0.035" Navigation Workhorse Guide Wire

STEER WITH SUCCESS

HydroSteer™ is a hydrophilic coated nitinol wire, designed to meet anatomical challenges in interventional peripheral and diagnostic procedures

Nitinol core construction

- Kink-resistant, maintains excellent flexibility, and durable for navigating through tortuous vasculature

Lubricious hydrophilic coating

- Provides smooth access through challenging anatomy

Polymer jacket

- Enhances trackability

Optional torque device

- Enhances steerability by aiding directional control of Guide Wire during use



ORDERING INFORMATION

HYDROSTEER™					
ORDER NUMBER	DESCRIPTION	DIAMETER (IN)	LENGTH (CM)	TIP TAPER	UNITS/PACK
408005	Standard, angled	0.035	150	Regular	5
408009	Standard, angled	0.035	180	Regular	5
408011	Standard, angled	0.035	260	Regular	5
408030	Torque device	n/a	n/a	n/a	10

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TIGERWIRE™

0.035" Supportive Workhorse Guide Wire

VERSATILITY AND CHOICE

TigerWire™ is a stainless steel Guide Wire designed for exceptional steering

Flexible tip design

- Soft atraumatic tip enables safe access to target lesions with 7 cm distal (tip) coil stretch

Various levels of support

- Supportive wire design for efficient tracking and positioning in tortuous vasculature
- Flexible tip length that transitions from flexible to full body stiffness. Standard = 5 cm, Floppy = 12 cm
- Multiple tip and support designs: Floppy, Angled; Floppy, Straight; Standard, Straight

Versatile product offering

- Multiple length and tip configurations to meet a variety of clinical needs



ORDERING INFORMATION

TIGERWIRE™								
ORDER NUMBER	DESCRIPTION	DIAMETER (IN)	LENGTH (CM)	FLEXIBLE TIP LENGTH (CM)	COIL STRETCH LENGTH	CORE TAPER (CM)	RADIOPAQUE TIP MARKER (CM)	UNITS PER PACK
C405085	Floppy, exchange, angled	0.035	260	12	7	24	1	5
C405086	Floppy, angled	0.035	180	12	7	24	1	5
C405087	Floppy, angled	0.035	150	12	7	24	1	5
C405088	Floppy, straight	0.035	150	12	7	24	1	5
C405089	Standard, straight	0.035	150	5	7	24	1	5
C405084	Floppy, angled	0.035	300	12	7	24	1	5

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HI-TORQUE SUPRA CORE™ 35

0.035" Supportive Guide Wire

STEERABILITY AND SUPPORT

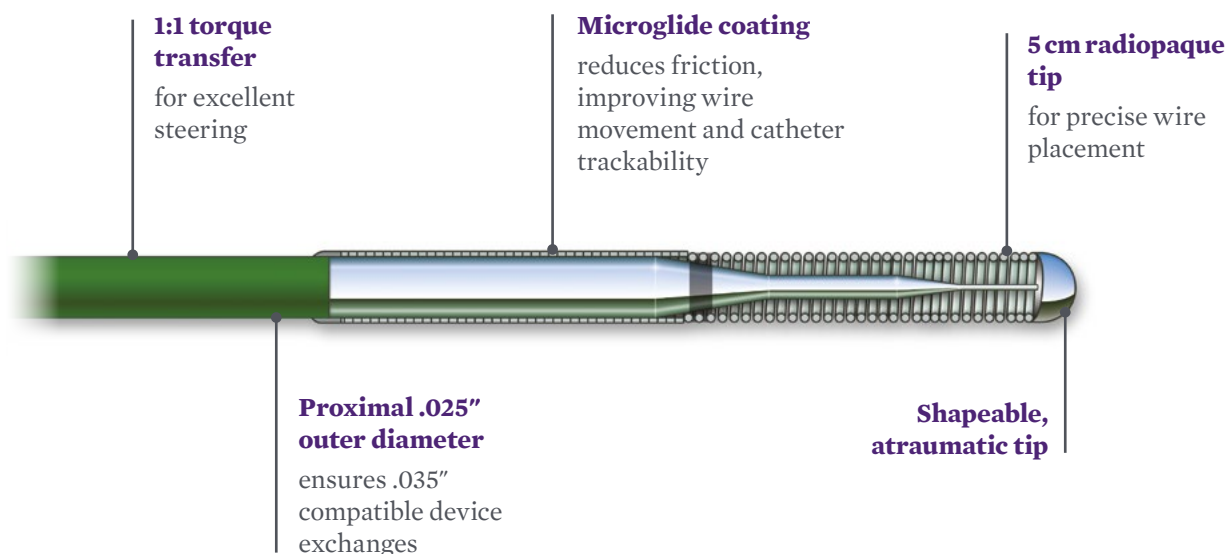
Steerability and support in a .035" peripheral Guide Wire

Supportive and atraumatic

- Supports the placement and replacement of interventional systems during the procedure
- Supportive 0.035" wire with soft, atraumatic tip
- 1:1 torque transfer for excellent steering
- Hydrophobic coating for friction reduction
- Wire lengths: 145, 190 and 300 cm

Efficient

- Reduces the need for multiple wire changes during the procedure
- Facilitates the placement of catheters in diagnostic procedures and interventions with contralateral access



ORDERING INFORMATION

HI-TORQUE SUPRA CORE™ 35			
ORDER NUMBER	WIRE LENGTH (CM)	TIP TAPER	UNITS/PACK
1002703	145	Straight	5
1002703-01	190	Straight	5
1002703-02	300	Straight	5

Torquers are available to order separately (Order No. 22215)

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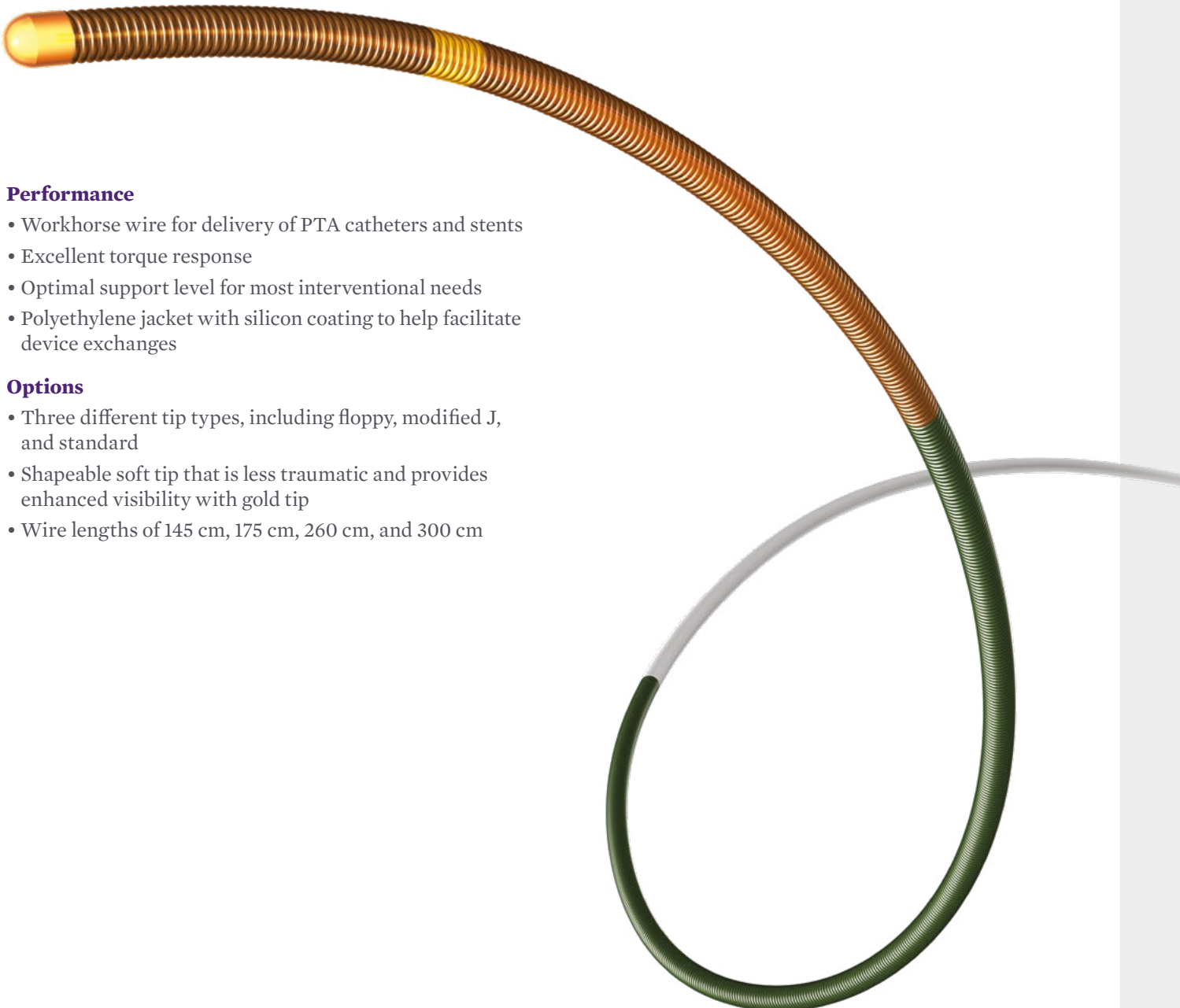


HI-TORQUE VERSACORE™

0.035" Workhorse Guide Wire

TOTAL PERFORMANCE. FROM START TO FINISH.

Workhorse wire that provides total performance, start to finish



Performance

- Workhorse wire for delivery of PTA catheters and stents
- Excellent torque response
- Optimal support level for most interventional needs
- Polyethylene jacket with silicon coating to help facilitate device exchanges

Options

- Three different tip types, including floppy, modified J, and standard
- Shapeable soft tip that is less traumatic and provides enhanced visibility with gold tip
- Wire lengths of 145 cm, 175 cm, 260 cm, and 300 cm

ORDERING INFORMATION

HI-TORQUE VERSACORE™				
DESCRIPTION	STOCK NUMBER	WIRE SIZE (IN)	WIRE LENGTH (CM)	TIP TYPE
HI-TORQUE VERSACORE™ Mod J 145 cm	1012068-01	0.035	145	Modified J
HI-TORQUE VERSACORE™ Floppy 145 cm	1012068-02	0.035	145	Straight
HI-TORQUE VERSACORE™ STD 145 cm	1012068-03	0.035	145	Straight
HI-TORQUE VERSACORE™ Mod J 175 cm	1012068-05	0.035	175	Modified J
HI-TORQUE VERSACORE™ Floppy 175 cm	1012068-04	0.035	175	Straight
HI-TORQUE VERSACORE™ Mod J 260 cm	1012068-09	0.035	260	Modified J
HI-TORQUE VERSACORE™ Floppy 260 cm	1012068-06	0.035	260	Straight
HI-TORQUE VERSACORE™ Mod J 300 cm	1012068-07	0.035	300	Modified J
HI-TORQUE VERSACORE™ STD 300 cm	1012068-08	0.035	300	Straight

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BALLOON DILATATION CATHETERS

VIATRAC™ 14 PLUS

0.014" Rapid Exchange (RX) Balloon Dilatation Catheter

CONTROL AND DURABILITY

Rapid exchange system designed for peripheral arteries and arteriovenous dialysis fistulae

Rapid exchange

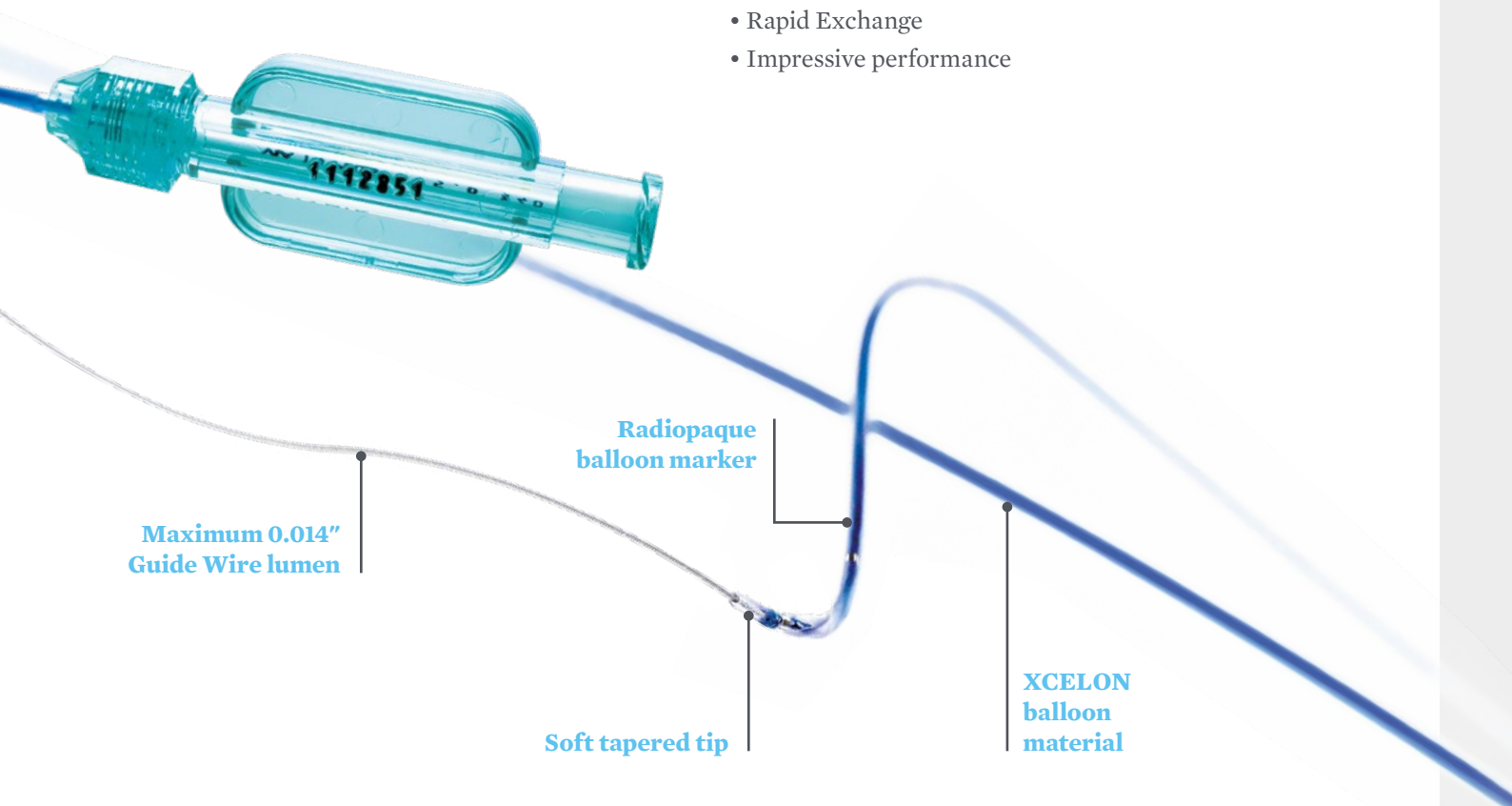
- Rapid exchange delivery system for single operator use and fast balloon exchanges
- Balloon lengths of 15, 20, 30 and 40 mm
- Catheter lengths of 80 and 135 cm
- 6F guide compatible across all balloon sizes and with shorter 130 cm Guide Wires

High pressure strength

- Durable XCELON balloon material with high RBPs of 14 ATM for sizing and flexibility
- Advanced balloon processing designed for outstanding rewrap and easy withdrawal

Deliverable performance

- Flexible distal catheter with tapered support mandrel inside catheter to improve pushability and kink resistance
- Low profile design to cross tight lesions
- Hydrophobic coated shaft and balloon to reduce friction
- 0.014" system
- Rapid Exchange
- Impressive performance



ORDERING INFORMATION

VIATRAC™ 14 PLUS						
CATHETER LENGTH (CM)		BALLOON DIAMETER (MM)	BALLOON LENGTH (MM)	MINIMUM SHEATH SIZE (F)	NOMINAL PRESSURE NP (ATM)	RATED BURST PRESSURE (ATM)
80	135					
1008190-15	1008189-15	4	15	4	8	14
1008190-20	1008189-20	4	20	4	8	14
1008190-30	1008189-30	4	30	4	8	14
1008190-40	1008189-40	4	40	4	8	14
1008192-15	1008191-15	4.5	15	4	8	14
1008192-20	1008191-20	4.5	20	4	8	14
1008192-30	1008191-30	4.5	30	4	8	14
1008192-40	1008191-40	4.5	40	4	8	14
1008194-15	1008193-15	5	15	5	8	14
1008194-20	1008193-20	5	20	5	8	14
1008194-30	1008193-30	5	30	5	8	14
1008194-40	1008193-40	5	40	5	8	14
1008196-15	1008195-15	5.5	15	5	8	14
1008196-20	1008195-20	5.5	20	5	8	14
1008196-30	1008195-30	5.5	30	5	8	14
1008196-40	1008195-40	5.5	40	5	8	14
1008198-15	1008197-15	6	15	5	8	14
1008198-20	1008197-20	6	20	5	8	14
1008198-30	1008197-30	6	30	5	8	14
1008198-40	1008197-40	6	40	5	8	14
1008200-15	1008199-15	6.5	15	5	8	14
1008200-20	1008199-20	6.5	20	5	8	14
1008200-30	1008199-30	6.5	30	5	8	14
1008200-40	1008199-40	6.5	40	5	8	14
1008202-15	1008201-15	7	15	5	8	14
1008202-20	1008201-20	7	20	5	8	14
1008202-30	1008201-30	7	30	5	8	14
1008202-40	1008201-40	7	40	5	8	14

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ARMADA™ 14 & ARMADA™ 14 XT

0.014" Balloon Dilatation Catheters

REDEFINING POSSIBILITIES IN BTK THERAPY

ARMADA™ 14

Broad size matrix 4F compatible

- Catheter and balloon design combine flexibility and strength to prevent kinking in distal lesions
- JetCoat hydrophobic coating for smooth delivery

Excellent lesion entry

- Streamlined tip and a low profile balloon designed to enter and cross difficult lesions
- Thin balloon walls: very low profile without compromising balloon strength

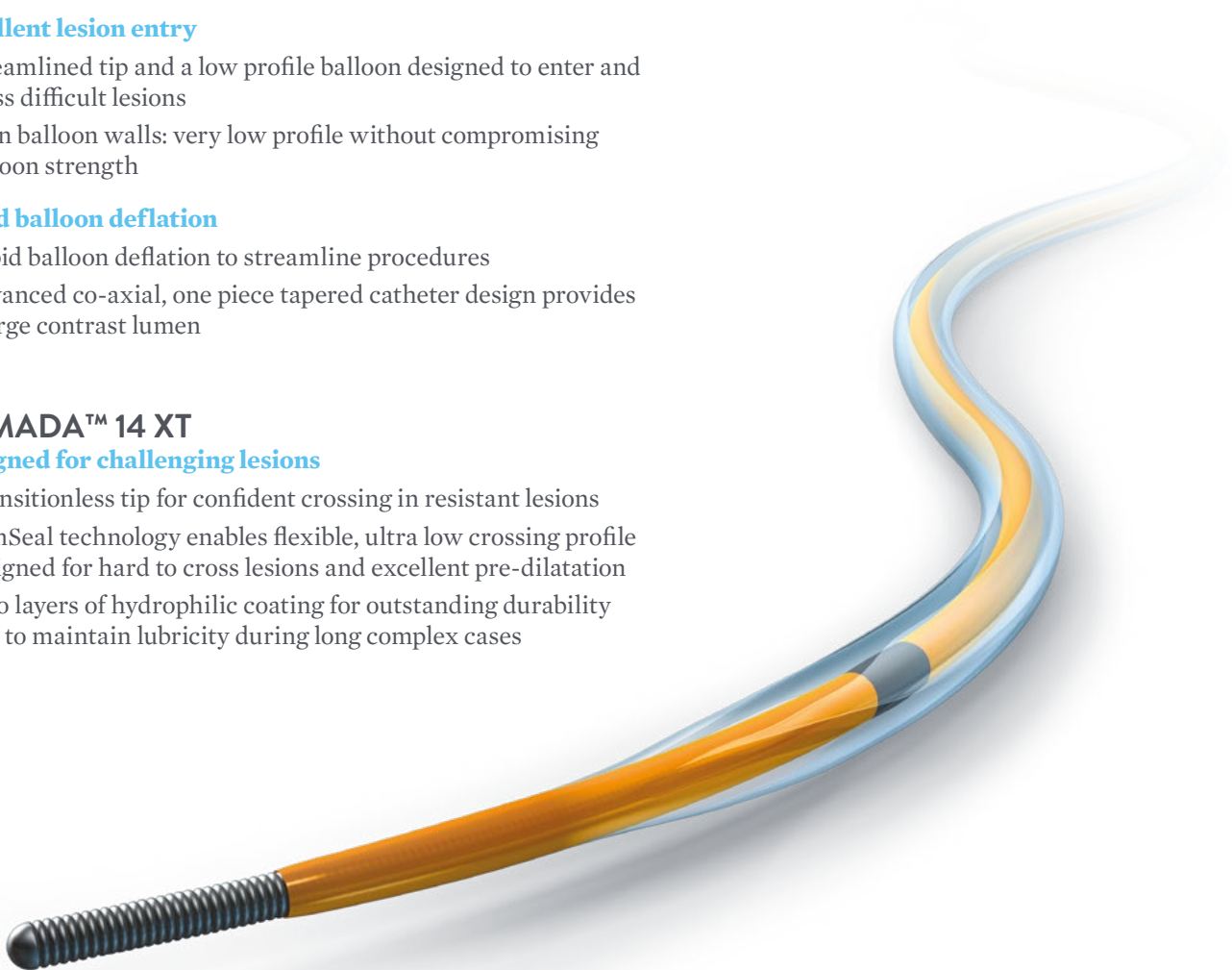
Rapid balloon deflation

- Rapid balloon deflation to streamline procedures
- Advanced co-axial, one piece tapered catheter design provides a large contrast lumen

ARMADA™ 14 XT

Designed for challenging lesions

- Transitionless tip for confident crossing in resistant lesions
- SlimSeal technology enables flexible, ultra low crossing profile designed for hard to cross lesions and excellent pre-dilatation
- Two layers of hydrophilic coating for outstanding durability and to maintain lubricity during long complex cases



ORDERING INFORMATION

ARMADA™ 14					
CATHETER LENGTH (CM)		BALLOON DIAMETER (MM)	BALLOON LENGTH (MM)	NOMINAL PRESSURE NP (ATM)	RATED BURST PRESSURE (ATM)
90	150				
A1015-020	A2015-020	1.5	20	8	14
A1015-040	A2015-040	1.5	40	8	14
A1015-080	A2015-080	1.5	80	8	14
A1015-120	A2015-120	1.5	120	8	14
A1020-020	A2020-020	2	20	8	14
A1020-040	A2020-040	2	40	8	14
A1020-060	A2020-060	2	60	8	14
A1020-080	A2020-080	2	80	8	14
A1020-120	A2020-120	2	120	8	14
A1020-200	A2020-200	2	200	8	14
A1025-020	A2025-020	2.5	20	8	14
A1025-040	A2025-040	2.5	40	8	14
A1025-060	A2025-060	2.5	60	8	14
A1025-080	A2025-080	2.5	80	8	14
A1025-120	A2025-120	2.5	120	8	14
A1025-200	A2025-200	2.5	200	8	14
A1030-020	A2030-020	3	20	8	14
A1030-040	A2030-040	3	40	8	14
A1030-060	A2030-060	3	60	8	14
A1030-080	A2030-080	3	80	8	14
A1030-120	A2030-120	3	120	8	14
A1030-200	A2030-200	3	200	8	14
A1040-020	A2040-020	4	20	8	14
A1040-040	A2040-040	4	40	8	14
A1040-060	A2040-060	4	60	8	14
A1040-080	A2040-080	4	80	8	14
A1040-120	A2040-120	4	120	8	14
A1040-200	A2040-200	4	200	8	14

ARMADA™ 14 XT				
CATHETER LENGTH 145 CM	BALLOON DIAMETER (MM)	BALLOON LENGTH (MM)	NOMINAL PRESSURE NP (ATM)	GUARANTEED WORKING PRESSURE RBP (ATM)
F2012-012	1.2	12	8	14
F2012-020	1.2	20	8	14
F2015-012	1.5	12	8	14
F2015-020	1.5	20	8	14
F2020-012	2	12	8	14
F2020-020	2	20	8	14

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ARMADA™ 18

0.018" Balloon Dilatation Catheter

COVERING YOUR SFA & BTK NEEDS

Designed for above and below the knee interventions

Precision for the SFA

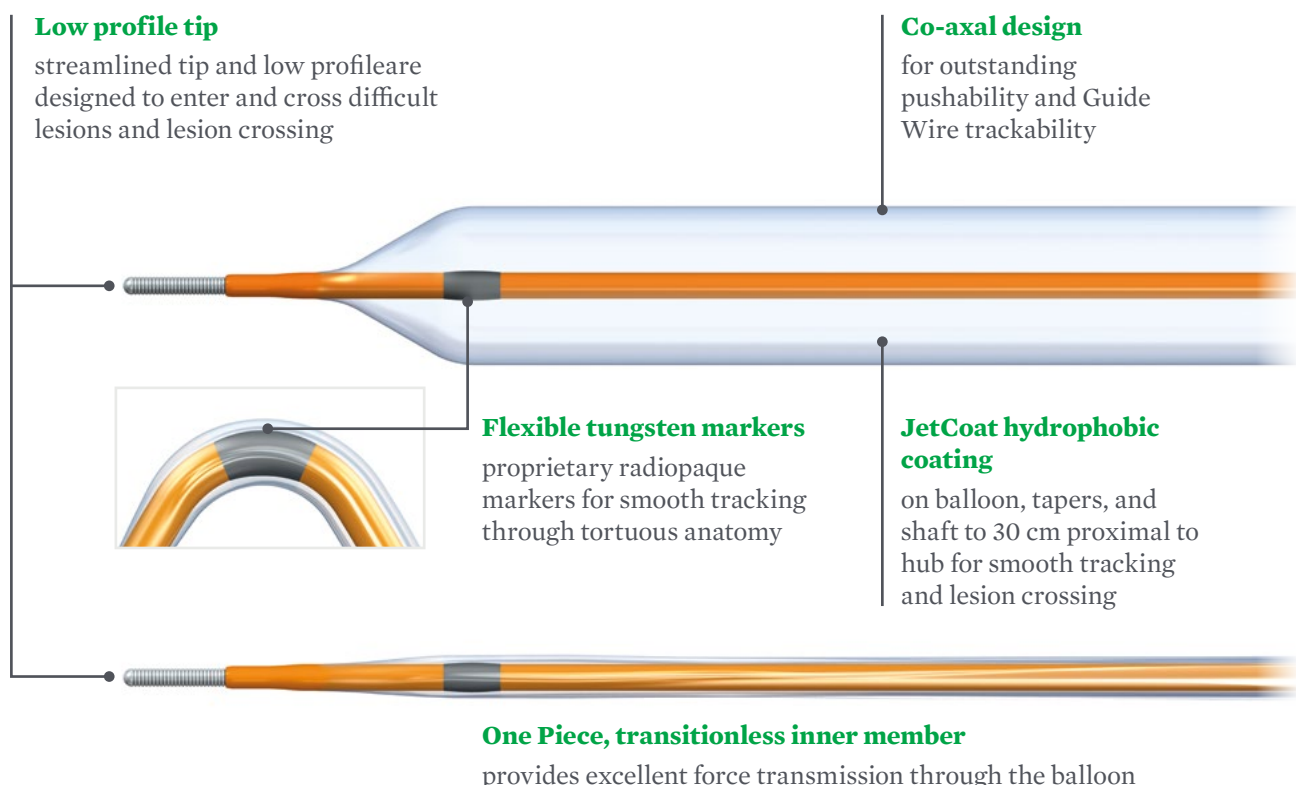
- 5.5 mm diameter and longer lengths enable accurate dilatation of lesions in the SFA for your final treatment choice
- Allows precise vessel preparation when implanting a 5.0 mm Supera™

Simplify your dilatation

- Consistent nominal and RBP pressures across all sizes
- ARMADA™ 18's coaxial, over-the-wire design results in excellent pushability, trackability, and deliverability for your challenging cases

Single .018 platform for SFA and BTK

- Catheter and balloon design combine flexibility and strength to reach more distal lesions
- Longer lengths allow for efficient dilatation of long lesions in the BTK



ORDERING INFORMATION

ARMADA™ 18						
CATHETER LENGTH (CM)		BALLOON DIAMETER (MM)	BALLOON LENGTH (MM)	MINIMUM SHEATH SIZE (F)	NOMINAL PRESSURE NP (ATM)	RATED BURST PRESSURE (ATM)
90	150					
1014252-020	1014259-020	2	20	4	8	14
1014252-040	1014259-040	2	40	4	8	14
1014252-060	1014259-060	2	60	4	8	14
1014252-080	1014259-080	2	80	4	8	14
1014252-100	1014259-100	2	100	4	8	14
1014252-120	1014259-120	2	120	4	8	14
1014252-150	1014259-150	2	150	4	8	14
1014252-180	1014259-180	2	180	4	8	14
1014252-200	1014259-200	2	200	4	8	14
1014253-020	1014260-020	2.5	20	4	8	14
1014253-040	1014260-040	2.5	40	4	8	14
1014253-060	1014260-060	2.5	60	4	8	14
1014253-080	1014260-080	2.5	80	4	8	14
1014253-100	1014260-100	2.5	100	4	8	14
1014253-120	1014260-120	2.5	120	4	8	14
1014253-150	1014260-150	2.5	150	4	8	14
1014253-180	1014260-180	2.5	180	4	8	14
1014253-200	1014260-200	2.5	200	4	8	14
1014254-020	1014261-020	3	20	4	8	14
1014254-040	1014261-040	3	40	4	8	14
1014254-060	1014261-060	3	60	4	8	14
1014254-080	1014261-080	3	80	4	8	14
1014254-100	1014261-100	3	100	4	8	14
1014254-120	1014261-120	3	120	4	8	14
1014254-150	1014261-150	3	150	4	8	14
1014254-180	1014261-180	3	180	4	8	14
1014254-200	1014261-200	3	200	4	8	14
1014255-020	1014262-020	4	20	4	8	14
1014255-040	1014262-040	4	40	4	8	14
1014255-060	1014262-060	4	60	4	8	14
1014255-080	1014262-080	4	80	4	8	14
1014255-100	1014262-100	4	100	4	8	14
1014255-120	1014262-120	4	120	4	8	14
1014255-150	1014262-150	4	150	4	8	14
1014255-180	1014262-180	4	180	4	8	14
1014255-200	1014262-200	4	200	4	8	14

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ARMADA™ 18

0.018" Balloon Dilatation Catheter

ORDERING INFORMATION (CONTINUED)

ARMADA™ 18 (CONTINUED)						
CATHETER LENGTH (CM)		BALLOON DIAMETER (MM)	BALLOON LENGTH (MM)	MINIMUM SHEATH SIZE (F)	NOMINAL PRESSURE NP (ATM)	RATED BURST PRESSURE (ATM)
90	150					
1014256-020	1014263-020	5	20	4	8	14
1014256-040	1014263-040	5	40	4	8	14
1014256-060	1014263-060	5	60	4	8	14
1014256-080	1014263-080	5	80	4	8	14
1014256-100	1014263-100	5	100	5	8	14
1014256-120	1014263-120	5	120	5	8	14
1014256-150	1014263-150	5	150	5	8	14
1014256-180	1014263-180	5	180	5	8	14
1014256-200	1014263-200	5	200	5	8	14
1014257-020	1014264-020	5.5	20	4	8	14
1014257-040	1014264-040	5.5	40	4	8	14
1014257-060	1014264-060	5.5	60	5	8	14
1014257-080	1014264-080	5.5	80	5	8	14
1014257-100	1014264-100	5.5	100	5	8	14
1014257-120	1014264-120	5.5	120	5	8	14
1014257-150	1014264-150	5.5	150	5	8	14
1014257-180	1014264-180	5.5	180	5	8	14
1014257-200	1014264-200	5.5	200	5	8	14
1014258-020	1014265-020	6	20	5	8	14
1014258-040	1014265-040	6	40	5	8	14
1014258-060	1014265-060	6	60	5	8	14
1014258-080	1014265-080	6	80	5	8	14
1014258-100	1014265-100	6	100	5	8	14
1014258-120	1014265-120	6	120	5	8	14
1014258-150	1014265-150	6	150	5	8	14
1014258-180	1014265-180	6	180	5	8	14
1014258-200	1014265-200	6	200	5	8	14

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ARMADA™ 35 & ARMADA™ 35 LL

0.035" Balloon Dilatation Catheters

THE PROFILE YOU NEED WITH THE PUSH YOU WANT

Low crossing profile

- Dual layer CrossFlex2 balloon technology optimizes balloon strength and reduces wall thickness
- Overall design results in low profiles, excellent re-wrap, high RBPs, and controlled balloon compliance
- Laser forming process for smooth, low profile tip

Push when you need it

- Strong, reinforced inner member for excellent force transmission, particularly on longer length balloons
- Consistent pushability across all balloon sizes
- Laser welded bonds result in smaller and more flexible connections to transmit push and resist kinking

Quick deflation

- Customized engineering to optimize push and deflation time for every balloon size
- Larger and longer balloons have larger contrast lumens for fast deflation time

Low profile tip

Laser formed to enter and cross challenging lesions



Low profile rewrap

Unique balloon folding geometry minimizes profile while allowing smooth rewrap



CrossFlex2 technology

Multi-layer engineering enables increased wall strength and RBPs with low crossing profiles*



Rapid deflation

Size specific contrast lumen designed for optimal flow dynamics

Responsive force transmission

Reinforced inner catheter designed for excellent pushability



ORDERING INFORMATION

ARMADA™ 35						
CATHETER LENGTH (CM)		BALLOON DIAMETER (MM)	BALLOON LENGTH (MM)	MINIMUM SHEATH SIZE (F)	NOMINAL PRESSURE NP (ATM)	RATED BURST PRESSURE RBP (ATM)
80	135					
B1030-020	B2030-020	3	20	5	8	28
B1030-040	B2030-040	3	40	5	8	28
B1040-020	B2040-020	4	20	5	8	25
B1040-040	B2040-040	4	40	5	8	25
B1040-060	B2040-060	4	60	5	8	25
B1040-080	B2040-080	4	80	5	8	20
B1040-100	B2040-100	4	100	5	8	20
B1040-120	B2040-120	4	120	5	8	20
B1050-020	B2050-020	5	20	5	8	22
B1050-040	B2050-040	5	40	5	8	22
B1050-060	B2050-060	5	60	5	8	20
B1050-080	B2050-080	5	80	5	8	18
B1050-100	B2050-100	5	100	5	8	18
B1050-120	B2050-120	5	120	5	8	18
B1060-020	B2060-020	6	20	5	6	20
B1060-040	B2060-040	6	40	5	6	20
B1060-060	B2060-060	6	60	5	6	18
B1060-080	B2060-080	6	80	5	6	16
B1060-100	B2060-100	6	100	5	6	16
B1060-120	B2060-120	6	120	5	6	16
B1070-020	B2070-020	7	20	5	6	15
B1070-040	B2070-040	7	40	5	6	15
B1070-060	B2070-060	7	60	5	6	15
B1070-080	B2070-080	7	80	5	6	14
B1070-100	B2070-100	7	100	6	6	14
B1070-120	B2070-120	7	120	6	6	14
B1080-020	B2080-020	8	20	6	6	15
B1080-040	B2080-040	8	40	6	6	15
B1080-060	B2080-060	8	60	6	6	14
B1080-080	B2080-080	8	80	6	6	13
B1090-020	B2090-020	9	20	6	6	14
B1090-040	B2090-040	9	40	6	6	13
B1090-060	B2090-060	9	60	6	6	12
B1090-080	B2090-080	9	80	6	6	12
B1100-020	B2100-020	10	20	6	6	13
B1100-040	B2100-040	10	40	6	6	12
B1100-060	B2100-060	10	60	6	6	11
B1100-080	B2100-080	10	80	6	6	10

* As compared to FOXCROSS™.

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ARMADA™ 35 & ARMADA™ 35 LL

0.035" Balloon Dilatation Catheters

ORDERING INFORMATION (CONTINUED)

ARMADA™ 35 (CONTINUED)						
CATHETER LENGTH (CM)		BALLOON DIAMETER (MM)	BALLOON LENGTH (MM)	MINIMUM SHEATH SIZE (F)	NOMINAL PRESSURE NP (ATM)	RATED BURST PRESSURE RBP (ATM)
80	135					
B1120-020	B2120-020	12	20	7	4	10
B1120-040	B2120-040	12	40	7	4	10
B1120-060	B2120-060	12	60	7	4	9
B1120-080	B2120-080	12	80	7	4	9
B1140-020	B2140-020	14	20	7	4	8
B1140-040	B2140-040	14	40	7	4	8
B1140-060	B2140-060	14	60	7	4	7
B1140-080	B2140-080	14	80	7	4	7

ARMADA™ 35 LL						
CATHETER LENGTH (CM)		BALLOON DIAMETER (MM)	BALLOON LENGTH (MM)	MINIMUM SHEATH SIZE (F)	NOMINAL PRESSURE NP (ATM)	RATED BURST PRESSURE RBP (ATM)
80	135					
B1040-150	B2040-150	4	150	5	8	20
B1040-200	B2040-200	4	200	5	8	18
B1040-250	B2040-250	4	250	5	8	18
B1050-150	B2050-150	5	150	5	8	18
B1050-200	B2050-200	5	200	5	8	18
B1050-250	B2050-250	5	250	5	8	16
B1060-150	B2060-150	6	150	5	6	16
B1060-200	B2060-200	6	200	6	6	14
B1060-250	B2060-250	6	250	6	6	12
B1070-150	B2070-150	7	150	6	6	14
B1070-200	B2070-200	7	200	6	6	13

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SELF-EXPANDING STENTS

ABSOLUTE PRO™ & PRO LL

Peripheral Self-Expanding Stent System

FROM ABSOLUTE PRECISION TO ABSOLUTE RESULTS

Excellent precision, flexibility, and proven clinical results in the iliacs^{1,2} and SFA^{3,4}

Precision

- Triaxial technology designed to absorb stored energy and minimize friction during deployment to ensure precise stent placement

Performance

- Flexible nitinol material designed to conform to challenging anatomy
- Optimal stent visibility with 12 radiopaque nitinol markers

Results

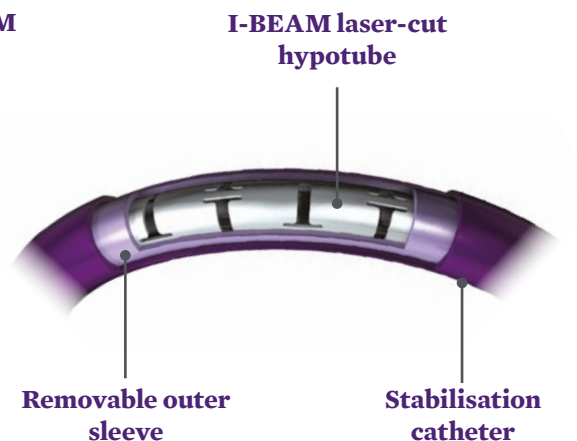
- Absolute Pro™ has good clinical outcomes in iliacs (including TASC C&D lesions) and SFA (long term 5 year results)^{2,3}
- Low stent fracture rates in the SFA (1%) Belgium Absolute at 12 months³



SUPERIOR DELIVERABILITY*

The innovative triaxial technology with I-BEAM laser-cut hypotube ensures:

- Improved kink resistance
- Accurate stent placement and deployment



ILIAC	MOBILITY	Despite the complex patient population, Absolute Pro™ demonstrated 91% patency and 97% freedom from clinically driven TLR at 9 months ¹
	BRAVISSIMO	Absolute Pro™ demonstrated 24 month primary patency rates of 88% (TASC A), 88.5% (TASC B), 91.9% (TASC C) and 84.8% (TASC D) ²
SFA	BELGIUM ABSOLUTE	Absolute Pro™ demonstrated excellent primary patency rates at 1 year (87.3%) all the way out to 5 years (71%). Absolute Pro™ also had a low stent fracture rate of 1% at 1 year ³
	VIENNA ABSOLUTE	At 2 years, there is a sustained clinical benefit with respect to restenosis in favor of primary stenting in the SFA compared to balloon angioplasty with optional stenting ⁴

* AP2943433-OUS REV A

1. M.R. Jaff, Experience in a "Real World" Population for Iliac Disease. Results from the MOBILITY trial. SCAI 2012.

2. C. Setacci, 24-Month Data From The Bravissimo, A Large Scale Prospective Registry On Iliac Stenting For Tasc A&B And Tasc C&D Lesions, Ann Vasc Surg. 2015;29(4):738-50.

3. H. Schroë, Superficial femoral artery: PTA or stenting? 5-year results of the Belgian Absolute multicenter trial, Presented at CIRSE 2011.

4. M. Schillinger, Sustained benefit at 2 years of primary femoropopliteal stenting compared with balloon angioplasty with optional stenting, Circulation 2007 May 29;115:2745-49.

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ABSOLUTE PRO™ & PRO LL

Peripheral Self-Expanding Stent System

ORDERING INFORMATION

ABSOLUTE PRO™				
WORKING LENGTH (CM)		STENT DIAMETER (MM)	STENT LENGTH (MM)	MINIMUM SHEATH SIZE (F)
80	135			
1011914-020	1011920-020	5	20	6
1011914-030	1011920-030	5	30	6
1011914-040	1011920-040	5	40	6
1011914-060	1011920-060	5	60	6
1011914-080	1011920-080	5	80	6
1011914-100	1011920-100	5	100	6
1011915-020	1011921-020	6	20	6
1011915-030	1011921-030	6	30	6
1011915-040	1011921-040	6	40	6
1011915-060	1011921-060	6	60	6
1011915-080	1011921-080	6	80	6
1011915-100	1011921-100	6	100	6
1011916-020	1011922-020	7	20	6
1011916-030	1011922-030	7	30	6
1011916-040	1011922-040	7	40	6
1011916-060	1011922-060	7	60	6
1011916-080	1011922-080	7	80	6
1011916-100	1011922-100	7	100	6
1011917-020	1011923-020	8	20	6
1011917-030	1011923-030	8	30	6
1011917-040	1011923-040	8	40	6
1011917-060	1011923-060	8	60	6
1011917-080	1011923-080	8	80	6
1011917-100	1011923-100	8	100	6
1011918-020	1011924-020	9	20	6
1011918-030	1011924-030	9	30	6
1011918-040	1011924-040	9	40	6
1011918-060	1011924-060	9	60	6
1011918-080	1011924-080	9	80	6
1011918-100	1011924-100	9	100	6
1011919-020	1011925-020	10	20	6
1011919-030	1011925-030	10	30	6
1011919-040	1011925-040	10	40	6
1011919-060	1011925-060	10	60	6
1011919-080	1011925-080	10	80	6
1011919-100	1011925-100	10	100	6

ORDERING INFORMATION (CONTINUED)

ABSOLUTE PRO™ LL				
WORKING LENGTH (CM)		STENT DIAMETER (MM)	STENT LENGTH (MM)	MINIMUM SHEATH SIZE (F)
80	135			
1012008-120	1012014-120	5	120	6
1012008-150	1012014-150	5	150	6
1012009-120	1012015-120	6	120	6
1012009-150	1012015-150	6	150	6
1012010-120	1012016-120	7	120	6
1012010-150	1012016-150	7	150	6
1012011-120	1012017-120	8	120	6
1012011-150	1012017-150	8	150	6

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XPERT PRO™

Peripheral Self-Expanding Stent System

OPTIMIZATION. REACH. PRECISION.

Precision

- Accurate stent deployment and placement achieved with advanced stabilizer coil catheter design

Reach

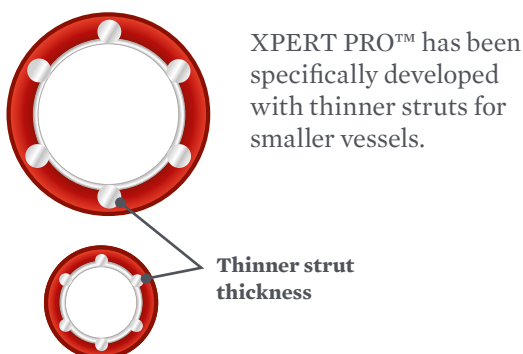
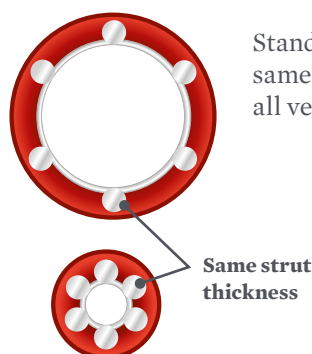
- Newly developed, innovative, slimline, intra-laced catheter design for excellent placement in complex cases
- Low catheter profile for restricted anatomical situations

Optimization

- 3 mm diameter available in 6 stent lengths
- Thin struts for minimal vessel lumen reduction
- Customized stent design for each vessel size
- 4/5 F sheath compatible for entire matrix



TAILOR-MADE STENT DESIGN FOR ALL VESSEL SIZES



ORDERING INFORMATION

XPert PRO™				
WORKING LENGTH (CM)		STENT DIAMETER (MM)	STENT LENGTH (MM)	MINIMUM SHEATH SIZE (F)
90	135			
17525-20	17538-20	3	20	4
17525-30	17538-30	3	30	4
17525-40	17538-40	3	40	4
17525-60	17538-60	3	60	4
17525-80	17538-80	3	80	4
17525-100	17538-100	3	100	4
17526-20	17539-20	4	20	4
17526-30	17539-30	4	30	4
17526-40	17539-40	4	40	4
17526-60	17539-60	4	60	4
17526-80	17539-80	4	80	4
17526-100	17539-100	4	100	4
WORKING LENGTH (CM)		STENT DIAMETER (MM)	STENT LENGTH (MM)	MINIMUM SHEATH SIZE (F)
80	120			
17527-20	17540-20	5	20	4
17527-30	17540-30	5	30	4
17527-40	17540-40	5	40	4
17527-60	17540-60	5	60	4
17527-80	17540-80	5	80	5
17527-100	17540-100	5	100	5
17528-20	17541-20	6	20	4
17528-30	17541-30	6	30	4
17528-40	17541-40	6	40	4
17528-60	17541-60	6	60	5
17528-80	17541-80	6	80	5
17529-30	17542-30	8	30	5
17529-40	17542-40	8	40	5
17529-60	17542-60	8	60	5

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VASCULAR MIMETIC IMPLANTS

SUPERA™

Vascular Mimetic Implant

FOR LONG TERM OUTCOMES, RESULTS MATTER

Unique mimetic design

- Six independent closed-end interwoven wires that mimic the dynamic twisting, bending, and shortening of the SFA and proximal popliteal
- Maintains a round open lumen for normal healthy blood flow and excellent radial strength

Unparalleled strength and flexibility*

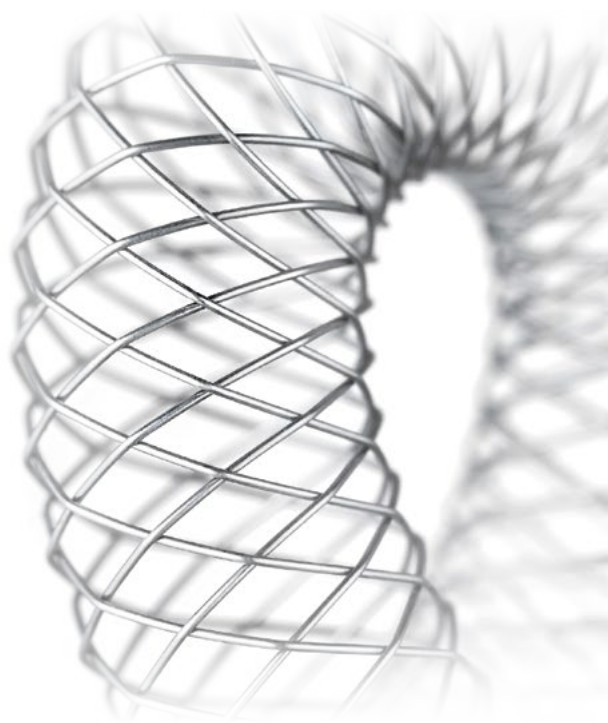
- Four times the compression resistance of other stents
- 0.6% fracture rate at 1 year¹

Unmatched clinical outcomes

- 91% primary patency at 1 year¹
- 94% freedom from TLR at 3 years¹
- In severely calcified lesions 89% patency at 1 year¹

Consistent results study after study^{1,2}

- Independent of the lesion length
- Clinical study results confirmed by global real-world data
- Gold standard for challenging lesions and the movement segment



>2,000 patients published in 17 studies worldwide as early as 2011^{1,2}

264 patients treated in the SUPERB study¹

0 FRACTURES at 1 year across all analyses^{1,2}

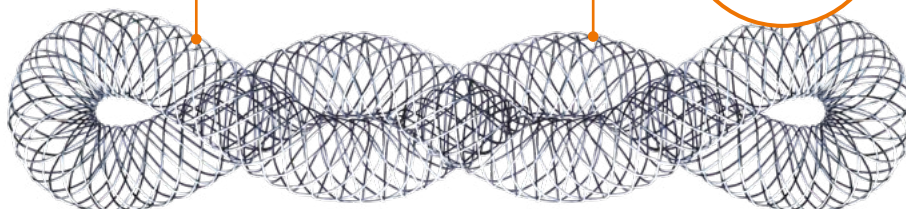
3-year TLR

94%
freedom from TLR at 3 years when nominally deployed¹

1-year patency

91%
primary patency (K-M) at 1 year when nominally deployed¹

89%
patency at 1 year in severe calcification¹



ORDERING INFORMATION

SUPERA™				
WORKING LENGTH (CM)		STENT DIAMETER (MM)	STENT LENGTH (MM)	MINIMUM SHEATH SIZE (F)
80	120			
–	42045020-120	4.5	20	6
–	42045030-120	4.5	30	6
42045040-080	42045040-120	4.5	40	6
42045060-080	42045060-120	4.5	60	6
42045080-080	42045080-120	4.5	80	6
42045100-080	42045100-120	4.5	100	6
42045120-080	42045120-120	4.5	120	6
42045150-080	42045150-120	4.5	150	6
–	42055020-120	5.5	20	6
–	42055030-120	5.5	30	6
42055040-080	42055040-120	5.5	40	6
42055060-080	42055060-120	5.5	60	6
42055080-080	42055080-120	5.5	80	6
42055100-080	42055100-120	5.5	100	6
42055120-080	42055120-120	5.5	120	6
42055150-080	42055150-120	5.5	150	6
42055180-080	42055180-120	5.5	180	6
42055200-080	42055200-120	5.5	200	6
–	42065020-120	6.5	20	6
–	42065030-120	6.5	30	6
42065040-080	42065040-120	6.5	40	6
42065060-080	42065060-120	6.5	60	6
42065080-080	42065080-120	6.5	80	6
42065100-080	42065100-120	6.5	100	6
42065120-080	42065120-120	6.5	120	6
42065150-080	42065150-120	6.5	150	6
42065180-080F	42065180-120	6.5	180	6
42065200-080	42065200-120	6.5	200	6
–	42075020-120	7.5	20	6
–	42075030-120	7.5	30	6
42075040-080	42075040-120	7.5	40	6
42075060-080	42075060-120	7.5	60	6
42075080-080	42075080-120	7.5	80	6
42075100-080	42075100-120	7.5	100	6

* Flexibility is defined as kink resistance. The Supera™ sizes with the lowest kink resistance, as compared to 6 x 100 mm standard nitinol stents, are the 5.5 x 100 and 6.5 x 100 mm implants.

1. L. Garcia, SUPERB Final 3-Year Outcomes Using Interwoven Nitinol Biomimetic Supera™ Stent. Catheter Cardiovasc Interv. 2017 Jun 1;89(7):1259-1267.
2. A.A. Brescia, J Vasc Surg. 2015 Jun;61(6):1472-8. // Y.C. Chan, J Vasc Surg. 2015 Nov;62(5):1201-9. // M. Dumantepe, Vasc Endovascular Surg. 2017 Jul;51(5):240-246. // J.C. George, J Vasc Interv Radiol. 2014 Jun;25(6):954-61. // J.P. Goltz, J Endovasc Ther. 2012 Jun;19(3):450-6. // L.R. León, J Vasc Surg. 2013 Apr;57(4):1014-22. // M. Montero-Baker, J Vasc Surg. 2016 Oct;64(4):1002-8. // M. Myint, J Endovasc Ther. 2016 Jun;23(3):433-41. // L.M. Palena, J Endovasc Ther. 2018 Oct;25(5):588-591. // D. Scheinert, JACC Cardiovasc Interv. 2013 Jan;6(1):65-71. // D. Scheinert, J Endovasc Ther. 2011 Dec;18(6):745-52. // S. Steiner, J Endovasc Ther. 2016 Apr;23(2):347-55. // M. Werner, EuroIntervention. 2014 Nov;10(7):861-8. // E.M. San Norberto, Ann Vasc Surg. 2017 May;41:186-195. // B. Teymen, Vascular. 2018 Feb;26(1):54-61. // H. Bhatt, Cardiovasc Revasc Med. 2018 Jul;19(5 Pt A):512-515.

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BALLOON-EXPANDABLE STENTS

HERCULINK ELITE™

0.014" RX Cobalt Chromium Stent System

DELIVERABILITY AND RELIABILITY

Excellent strength, visibility, and deliverability to the renal and protected peripheral arteries

Outstanding performance

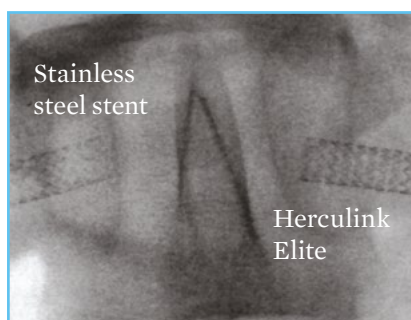
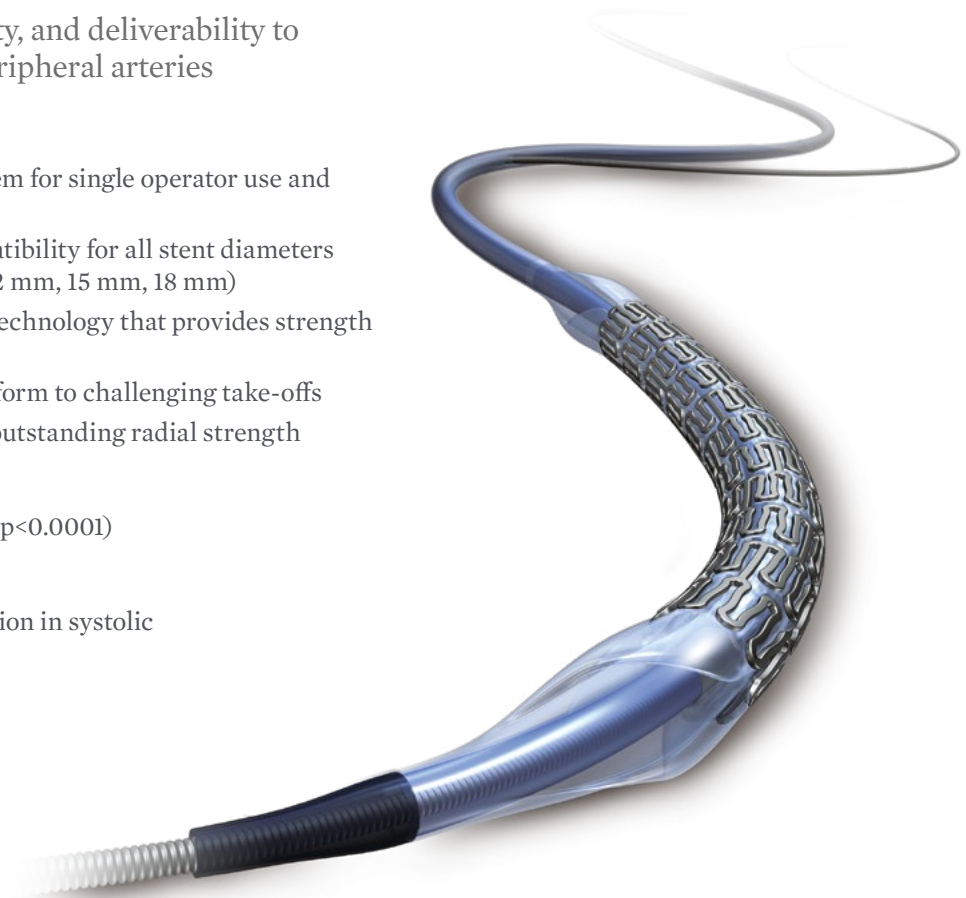
- Rapid exchange delivery system for single operator use and fast exchanges
- 6F guide and 5F sheath compatibility for all stent diameters (4 mm - 7 mm) and lengths (12 mm, 15 mm, 18 mm)
- Cobalt chromium multi-link technology that provides strength and excellent visibility
- Designed to navigate and conform to challenging take-offs
- Remarkably thin struts with outstanding radial strength

Low restenosis

- 10.5% restenosis at 9 months ($p < 0.0001$)

Controlled hypertension

- 74.3% of patients had a reduction in systolic blood pressure at 3 years¹



Excellent x-ray visibility



Superior stent flexibility

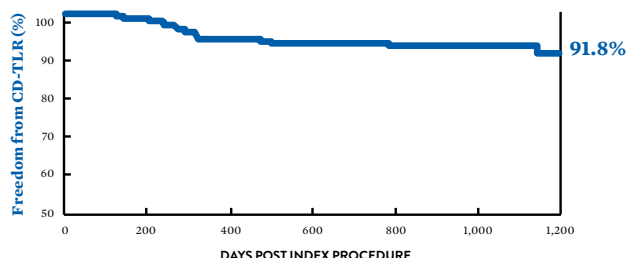
LOW RESTENOSIS¹

Primary Endpoint

9-MONTH BINARY RESTENOSIS

n=202/241 lesions

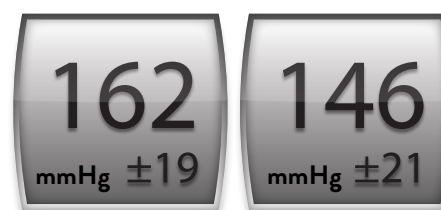
EXCELLENT FREEDOM FROM TLR²



CONTROLLED HYPERTENSION²

Baseline

3 Years



p < 0.0001

Reduced systolic blood pressure

74.3% of patients had a reduction in systolic blood pressure at 3 years¹

ORDERING INFORMATION

HERCULINK ELITE™						
80 CM CATHETER LENGTH, ORDER NUMBER	135 CM CATHETER LENGTH, ORDER NUMBER	STENT DIAMETER (MM)	STENT LENGTH (MM)	MINIMUM SHEATH SIZE (F)	NOMINAL PRESSURE (ATM)	GUARANTEED WORKING PRESSURE RBP (ATM)
1011521-12	1011522-12	4	12	5	11	14
1011521-15	1011522-15	4	15	5	11	14
1011521-18	1011522-18	4	18	5	11	14
1011524-12	1011525-12	4.5	12	5	11	14
1011524-15	1011525-15	4.5	15	5	11	14
1011524-18	1011525-18	4.5	18	5	11	14
1011527-12	1011528-12	5	12	5	11	14
1011527-15	1011528-15	5	15	5	11	14
1011527-18	1011528-18	5	18	5	11	14
1011530-12	1011531-12	5.5	12	5	11	14
1011530-15	1011531-15	5.5	15	5	11	14
1011530-18	1011531-18	5.5	18	5	11	14
1011533-12	1011534-12	6	12	5	11	14
1011533-15	1011534-15	6	15	5	11	14
1011533-18	1011534-18	6	18	5	11	14
1011536-12	1011537-12	6.5	12	5	11	14
1011536-15	1011537-15	6.5	15	5	11	14
1011536-18	1011537-18	6.5	18	5	11	14
1011539-15	1011540-15	7	15	5	11	14
1011539-18	1011540-18	7	18	5	11	14

1. MR. Jaff, Significant reduction in systolic blood pressure following renal artery stenting in patients with uncontrolled hypertension: Results from the HERCULES trial. Cathet. Cardiovasc. Intervent. (2012)80: 343-350.

2. GS. Chrysant, Proper patient selection yields significant and sustained reduction in systolic blood pressure following renal artery stenting in patients with uncontrolled hypertension: long-term results from the HERCULES trial, J Clin Hypertens (Greenwich). 2014 Jul;16(7):497-503.

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OMNILINK ELITE™

Peripheral Balloon-Expandable Cobalt Chromium Stent System

ELEVATE TO ELITE

Strength and flexibility that provides superb results in the iliacs

Elite engineering

- Cobalt chromium Multi-Link technology that is strong, yet flexible to conform to the anatomy
- Limited to no stent foreshortening^{1*}
- Thin struts to minimize vessel wall injury and reduce healing time²

Elite performance

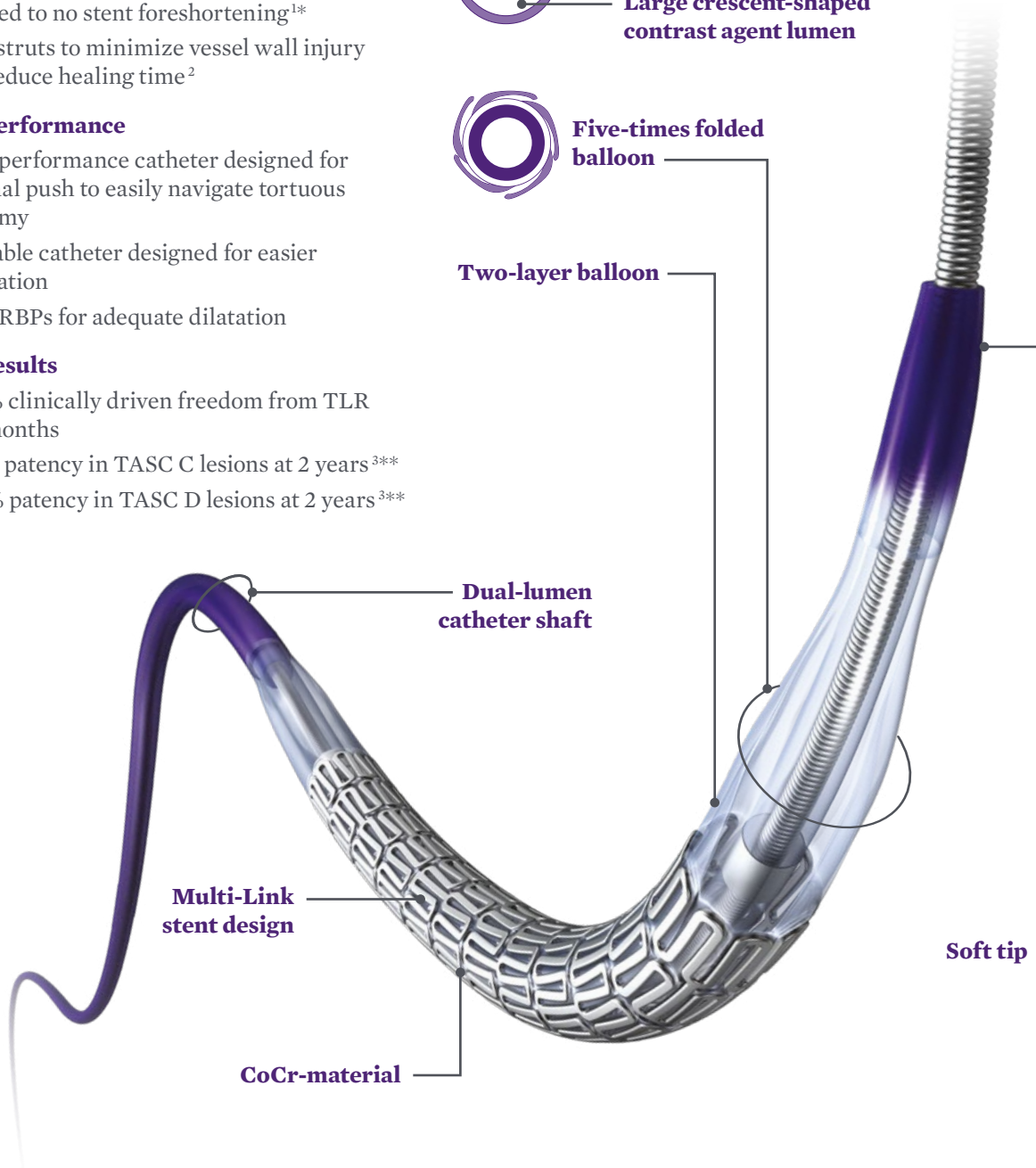
- High performance catheter designed for optimal push to easily navigate tortuous anatomy
- Pushable catheter designed for easier navigation
- High RBPs for adequate dilatation

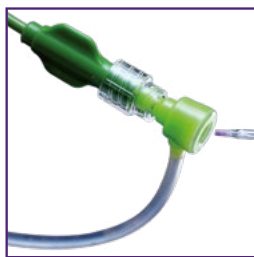
Elite results

- 94.9% clinically driven freedom from TLR at 9 months
- 91.9% patency in TASC C lesions at 2 years^{3**}
- 84.8% patency in TASC D lesions at 2 years^{3**}



Two-layer balloon





6F sheath compatibility in all sizes

- Reduced need to replace sheaths saves time and costs^{4,5}
- Low risk of vascular complications⁴
- Shorter compression times^{4,6}



Excellent placeability

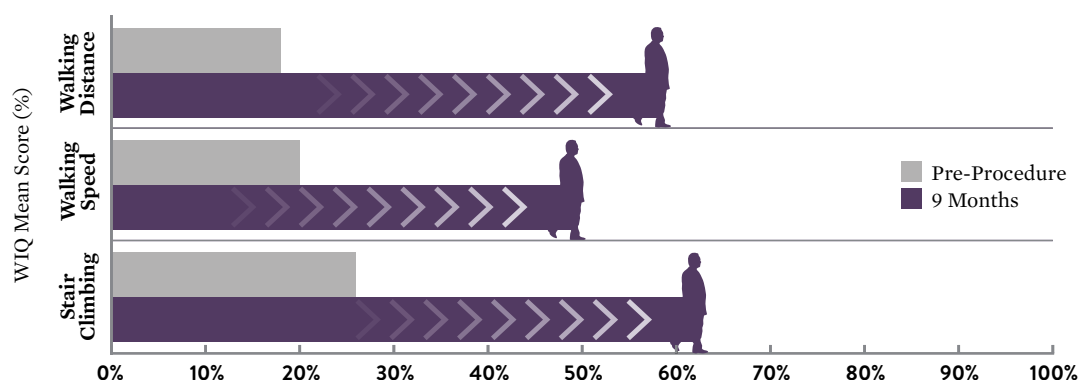
- Tip with low entry profile
- Dual-lumen catheter for ultimate manoeuvrability
- Two-layer balloon provides optimum stent grip



High flexibility with unimpaired radial strength

- Thin stent struts
- Tried-and-tested flexible MULTI-LINK stent design¹
- High burst pressure
- Unimpaired radial strength and x-ray visibility

SIGNIFICANT IMPROVEMENT IN WALKING CAPACITY AS MEASURED BY WIQ ***



* No foreshortening in any of the stent sizes except 1.81% shortening for 8.0 x 39mm size.

** Clinical data shown is a combination of Absolute Pro™ Vascular and Omniflex Elite™ from BRAVISSIMO study.

*** WIQ = Walking Impairment Questionnaire.

1. J. Pache, Intracoronary stenting and angiographic results: strut thickness effect on restenosis outcome (ISAR-STERO-2) trial. JACC 2003; 41:1283-8.

2. M.R. Jaff, Modern Endovascular Management of Patients with Iliac Artery Disease, Results from the Mobility Trial, SCAI 2012.

3. K. Deloose, Real Life Experience and long term data in iliac stenting - BRAVISSIMO 2 year data, Linc 2013 - Leipzig.

4. D. Metz, Comparison of 6F with 7F and 8F guiding catheters for elective coronary angioplasty: results of a prospective, multicenter, randomized trial. Am Heart J 1997;134(1):131-137.

5. J.D. Talley, A Prospective Randomized Trial Comparing the Benefits and Limitations of 6Fr and 8Fr Guiding Catheters in Elective Coronary Angioplasty: Clinical, Procedural, Angiographic, and Economic End Points. J Interv Cardiol 1995;8(4):345-353.

6. J.R. Büchler, A Randomized Trial of 5 versus 7 French Guiding Catheters for Transfemoral Percutaneous Coronary Stent Implantation. J Interv Cardiol 2008;21(1):50-55.

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OMNILINK ELITE™

Peripheral Balloon-Expandable Cobalt Chromium Stent System

ORDERING INFORMATION

OMNILINK ELITE™							
80 CM CATHETER LENGTH, ORDER NUMBER	135 CM CATHETER LENGTH, ORDER NUMBER	STENT DIAMETER (MM)	STENT LENGTH (MM)	MAX. POST-DILATATION DIAMETER (MM)	CRIMPED STENT EXTERNAL DIAMETER (MM)	MIN. SHEATH SIZE (INTERNAL DIAMETER) (F/MM)	RATED BURST PRESSURE RBP (ATM)
11000-12	11007-12	4	12	6	1.85	6/2.12	11/16
11000-16	11007-16	4	16	6	1.85	6/2.12	11/16
11000-19	11007-19	4	19	6	1.85	6/2.12	11/16
11001-12	11008-12	5	12	6	1.90	6/2.12	11/16
11001-16	11008-16	5	16	6	1.90	6/2.12	11/16
11001-19	11008-19	5	19	6	1.90	6/2.12	11/16
11001-29	11008-29	5	29	6	1.90	6/2.12	11/16
11001-39	11008-39	5	39	6	1.90	6/2.12	11/16
11001-59	11008-59	5	59	6	1.90	6/2.12	11/16
11002-12	11009-12	6	12	8	1.95	6/2.12	11/14
11002-16	11009-16	6	16	8	1.95	6/2.12	11/14
11002-19	11009-19	6	19	8	1.95	6/2.12	11/14
11002-29	11009-29	6	29	8	1.95	6/2.12	11/14
11002-39	11009-39	6	39	8	1.95	6/2.12	11/14
11002-59	11009-59	6	59	8	1.95	6/2.12	11/14
11003-12	11010-12	7	12	8	2.05	6/2.12	11/14
11003-16	11010-16	7	16	8	2.05	6/2.12	11/14
11003-19	11010-19	7	19	8	2.05	6/2.12	11/14
11003-29	11010-29	7	29	8	2.05	6/2.12	11/14
11003-39	11010-39	7	39	8	2.05	6/2.12	11/14
11003-59	11010-59	7	59	8	2.05	6/2.12	11/14
11004-19	11011-19	8	19	11	2.10	6/2.12	11/14
11004-29	11011-29	8	29	11	2.10	6/2.12	11/14
11004-39	11011-39	8	39	11	2.10	6/2.12	11/14
11004-59	11011-59	8	59	11	2.10	6/2.12	11/14
11005-19	11012-19	9	19	11	2.15	6/2.15	11/14
11005-29	11012-29	9	29	11	2.15	6/2.15	11/14
11005-39	11012-39	9	39	11	2.15	6/2.15	11/14
11005-59	11012-59	9	59	11	2.15	6/2.15	11/14
11006-19	11013-19	10	19	11	2.20	6/2.20	11/14
11006-29	11013-29	10	29	11	2.20	6/2.20	11/14
11006-39	11013-39	10	39	11	2.20	6/2.20	11/14

ORDERING INFORMATION (CONTINUED)

OMNILINK ELITE™ COMPLIANCE						
STENT DIAMETER (MM)	INFLATION PRESSURE (ATM)					
	11	12	13	14	15	16
4	4	4.08	4.16	4.24	4.32	4.40
5	5	5.09	5.19	5.28	5.37	5.47
6	6	6.08	6.16	6.25	-	-
7	7	7.12	7.25	7.37	-	-
8	8	8.14	8.27	8.41	-	-
9	9	9.13	9.26	9.39	-	-
10	10	10.15	10.31	10.46	-	-

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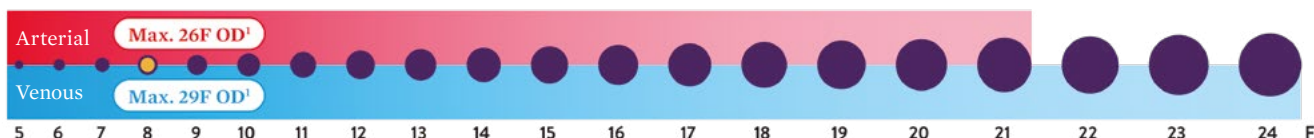
VASCULAR CLOSURE DEVICES

PERCLOSE PROGLIDE™

Suture-Mediated Closure System

BROADEST INDICATION*

The PERCLOSE PROGLIDE™ vascular closure system has the broadest indication for both femoral arterial and venous access



Parallels the surgical gold standard¹

- Associated with significantly lower blood transfusions, infections, mortality, and shorter length of stay compared to surgical cutdown¹
- Secure repair with pre-tied polypropylene monofilament suture
- Minimal intravascular footprint

Promotes vessel healing²

- Minimized inflammatory response²
- No re-access restrictions after using Abbott vascular closure devices

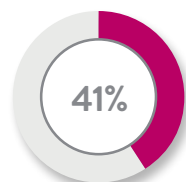
Gives in-lab confidence

- Low access site-related complication¹,³, reduces time to hemostasis, ambulation, and discharge**⁴
- Suture repair can be challenged and confirmed on the table
- Ability to maintain wire access

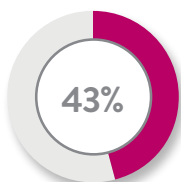
Approved
for closure of
the femoral
artery and
femoral vein



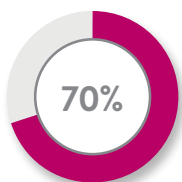
REAL-WORLD EVIDENCE OF LARGE-BORE ARTERIAL ACCESS¹



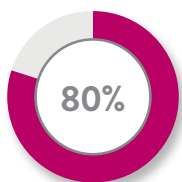
Less likely to have
an infection



Shorter
hospital stay

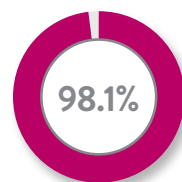


Less likely to die
within 30 days
post-procedure



Less likely to
require a blood
transfusion

CLINICAL EVIDENCE OF LARGE-BORE VENOUS ACCESS⁴



Freedom from major
femoral vein access
site-related complications

ORDERING INFORMATION

PERCLOSE PROGLIDE™		
ORDER NUMBER	DESCRIPTION	QUANTITY
12673-05	One system includes: • PERCLOSE PROGLIDE™ • Knot pusher incl. suture trimmer	10 systems per box

* As compared to Angio-Seal, ExoSeal, FemoSeal, InClosure, MANTA, Mynx, PerQseal, Vascade, Velox CD, X-Seal.

** Applies to arterial access.

1. D. Schneider, PERCLOSE PROGLIDE™ Versus Surgical Closure Outcomes - Real World Evidence, LINC 2018.
2. M. Mercandetti, Wound Healing and Repair, Medscape, WebMD, May 19 2017, Web March 21 2018.
3. S. Kar, The Use of Perclos ProGlide Suture Mediated Closure (SMC) Device for Venous Access-Site Closure up to 24F Sheaths, CRT 2018.
4. D. Bhatt, Successful "Pre-Closure" of 7Fr and 8Fr Femoral Arteriotomies With a 6Fr Suture Based Device (The MultiCenter Interventional Closer Registry), American Journal of Cardiology Vol 89. March 2002.

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PROSTAR™ XL

Suture-Mediated Closure System

SECURE. CLOSE. IMPROVE OUTCOMES¹.

Secure

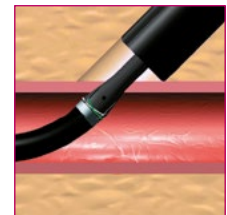
- Uses two braided polyester sutures to provide a secure closure
- Vascular access can be maintained throughout deployment

Close

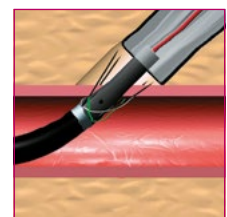
- Percutaneous closure for up to 24F arterial access
- Integrated pre-dilator to facilitate device placement

Improved outcomes¹

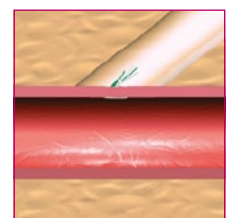
- Reduces time to hemostasis, ambulation and discharge¹
- Improves patient comfort and reduces access site complications



Close access sites



Secure closure



Improved outcomes

ORDERING INFORMATION

PROSTAR™ XL		
ORDER NUMBER	DESCRIPTION	QUANTITY
12322-02	One system includes: <ul style="list-style-type: none">• Prostar™ XL and• knot pusher	5 systems per box

I. K. Nasu, The Clinical Effectiveness of Prostar XL Suture-Mediated Percutaneous Vascular Closure Device for Achievement of Hemostasis; JIC, 2003; Vol 15, Issue 7.

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STARCLOSE SE™

Percutaneous Clip Closure System



SECURE. EASY. EXTRAVASCULAR.

Secure

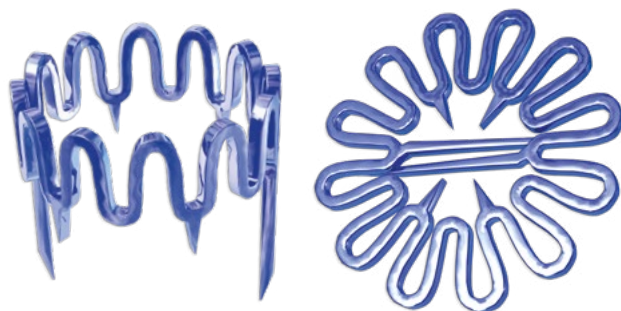
- Circumferential 360-degree mechanical closure
- Hemostasis can be confirmed on the table
- Reduced time to hemostasis, ambulation and discharge

Easy and quick

- Device design with built-in ergonomics, stability and an intuitive user interface
- Designed to minimize exchanges through the sheath deployment

Extravascular

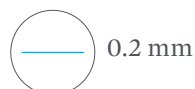
- Nitinol clip is designed to close the adventitia and media, leaving nothing inside the artery
- Designed not to disrupt blood flow or velocity
- Allows immediate re-access



Actual diameter of closed clip



Actual thickness of closed clip



ORDERING INFORMATION

STARCLOSE SE™		
ORDER NUMBER	DESCRIPTION	QUANTITY
14679-02	One system includes: <ul style="list-style-type: none">• Clip applicator• 6F exchange sheath• 6F dilator• 0.03" 50 cm J-tip Guide Wire	10 systems per box

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ASSISTED COMPRESSION

FEMOSTOP™ II PLUS & GOLD

Compression Assist Device

PROVEN HANDS-FREE FEMORAL COMPRESSION

Offers precise pressure placement and control

- Precision-controlled manometer allows continuous, measurable pressure which can be adjusted based on patient status
- Inflatable, transparent dome offers precise pressure for improved patient comfort¹ compared to manual compression

Improves staff efficiency and safety

- Hands-free compression allows multiple patients to be monitored at one time, increasing staff efficiency
- The adjustable belt fits securely so that small patient movements may not cause the device to slip
- Hands-free compression minimizes staff exposure to blood and reduces neck, arm and wrist fatigue
- The device arch and manometer are easily cleaned and reusable, saving product and packaging materials*



**FemoStop™
Gold is the single
use version for
patients with
higher risk of
infection.**





Bilateral adapter



Support arch



Manometer



Dome



Adjustable strap



FemoStop™ II Plus

ORDERING INFORMATION

FEMOSTOP™ II PLUS

ORDER NUMBER	DESCRIPTION	UNITS/PACK
11168	FemoStop™ II Plus Support Arc	1
11169	FemoStop™ II Plus Bilateral Adapter	1
11170	FemoStop™ II Plus Manometer	1

DISPOSABLES

ORDER NUMBER	DESCRIPTION	UNITS/PACK
11166	Dome (in sterile packaging), adjustable strap	10

FEMOSTOP™ GOLD

ORDER NUMBER	DESCRIPTION	UNITS/PACK
C11165	Bar with pneumatic pressure dome, integrated digital manometer, adjustable strap, shut-off clip	10

* For FemoStop™ II Plus only, according to IFU

1. K. Sridhar, Peripheral vascular complications after intracoronary stent placement: prevention by use of a pneumatic vascular compression device, Cathet. Cardiovasc. Diagn. 1996;39(3):224-229.

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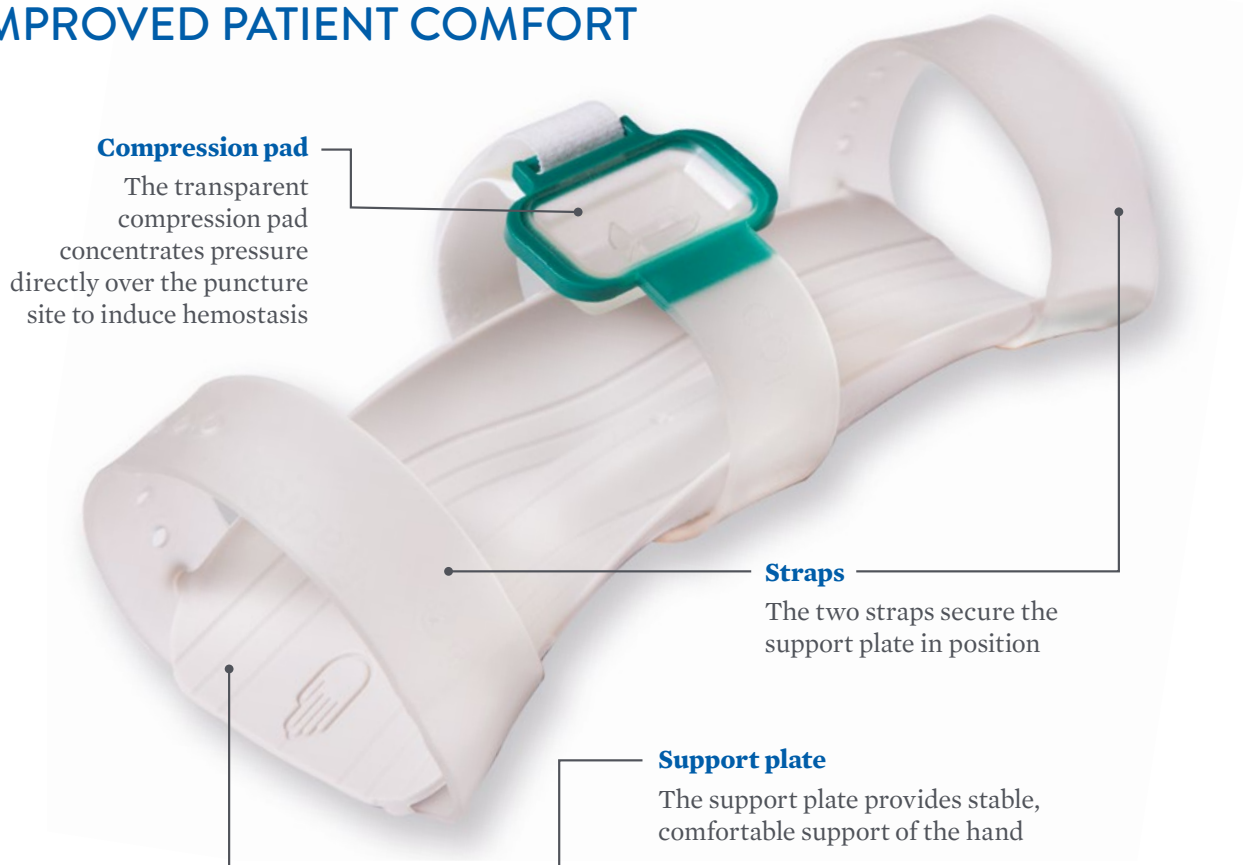
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RADISTOP™

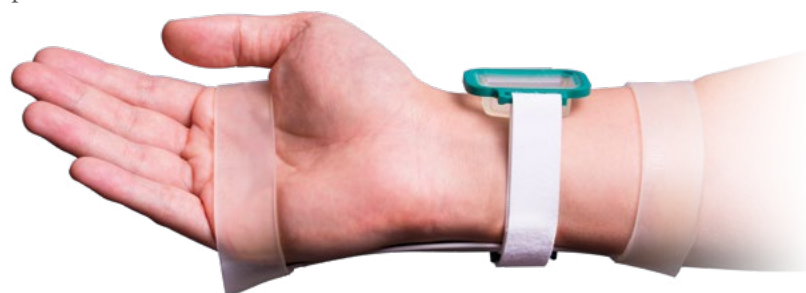
Compression Assist Device

RELIABLE HEMOSTASIS WITH IMPROVED PATIENT COMFORT



Safety in hemostasis

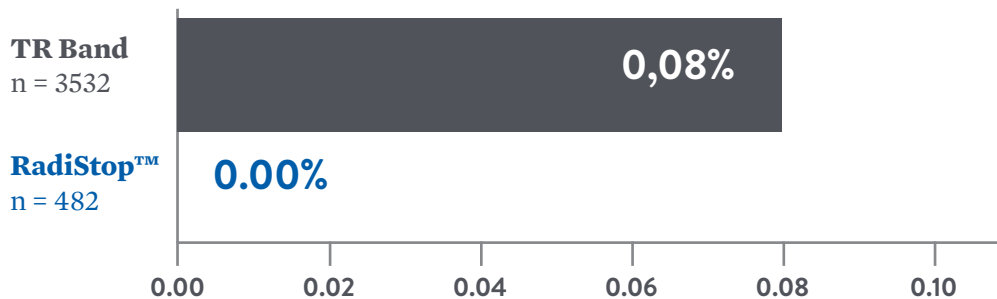
- No obstruction of venous blood flow
- The interventionalist can also use RadiStop™ before, during and after procedure to fixate the wrist in a flexed position which allows easier access to the radial artery
- Simple, accurate placement through transparent compression pad
- Stepless pressure adjustment possible



CLINICALLY PROVEN EFFICACY

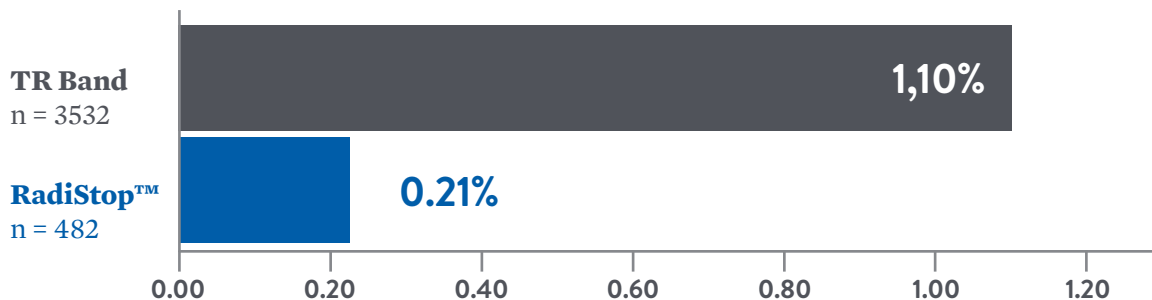
5-fold lower incidence of minor bleeding than other compression-assisted systems¹

SEVERE BLEEDING - PTCA



Severe bleeding is defined as intracranial hemorrhage or bleeding leading to a decrease in blood flow Hb value by > 50 g/l.

MINOR BLEEDING - PTCA



Light bleeding in this context is defined as bleeding that leads to a reduction in the Hb value of >30 g/l and <50 g/l.

ORDERING INFORMATION

RADISTOP™		
ORDER NUMBER	DESCRIPTION	UNITS/PACK
C11177	RadiStop™ compression aid	10

1. Swedish Coronary Angiography and Angioplasty Registry, 2007. The Swedish Coronary Angiography and Angioplasty Registry (SCAAR).

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EMBOLIC PROTECTION

EMBOSHIELD NAV⁶™

Embolic Protection System

NAVIGATION. ACCESS. VISIBILITY.

Navigate with a new level of control, confidence and accuracy

Navigation

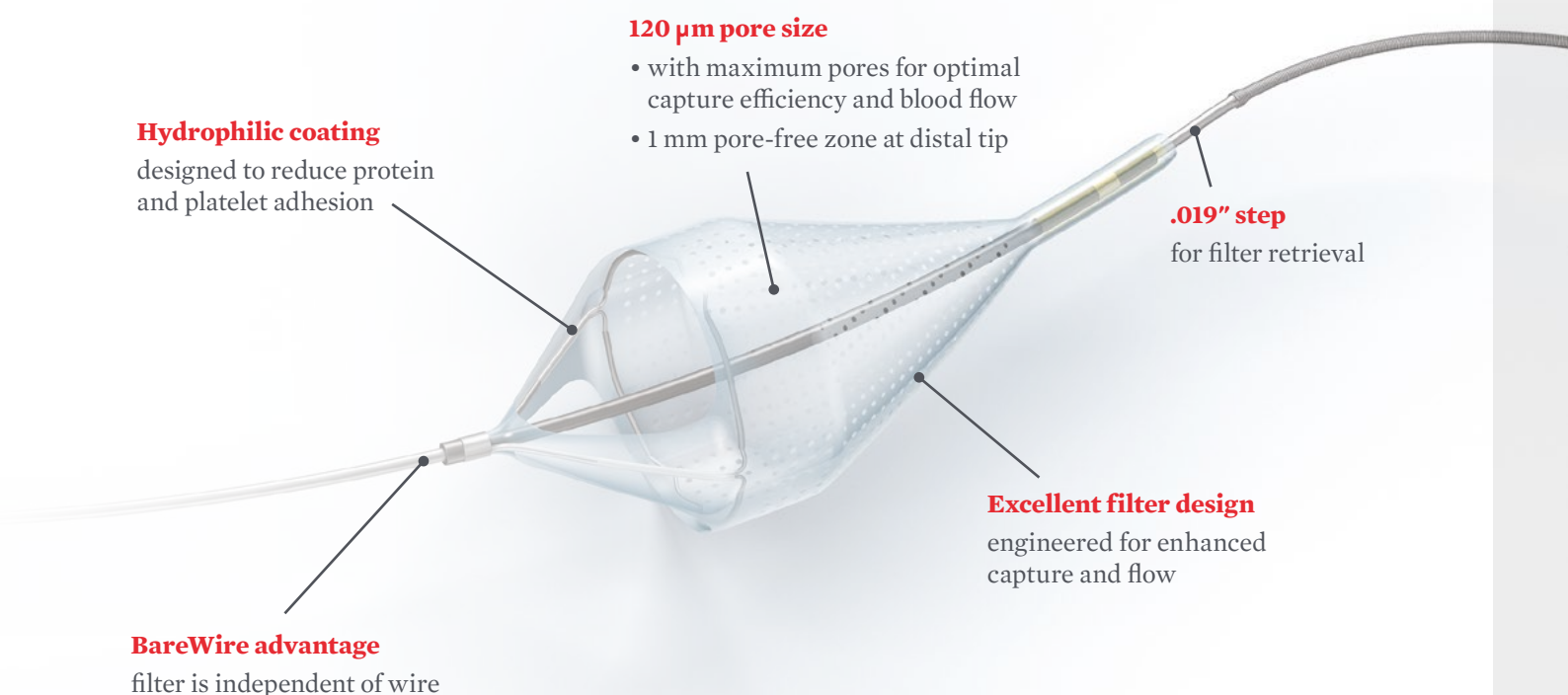
- Distal access, workhorse and support BareWires designed specifically for carotid anatomies to ensure navigational success through tortuous anatomy and challenging arches

Access

- BareWire, fixed and telescope filter delivery options provide a customized approach to access and support diverse vascular anatomies

Visibility

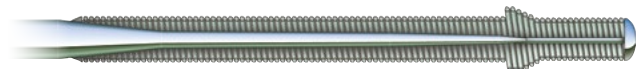
- Radiopaque circumferential frame conveys vessel apposition and deployment status



BAREWIRE FILTER DELIVERY WIRES

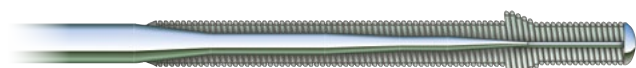
Distal access

A soft barewire with extra flexibility and torqueability for successful access through tortuous anatomy.



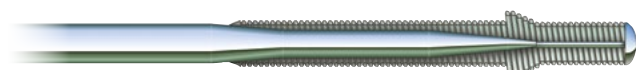
Workhorse

Provides optimal flexibility and support for superb access through most anatomies.

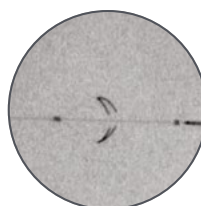


Support

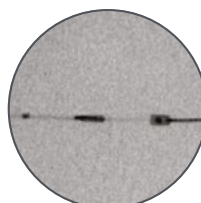
Designed to provide additional support for delivery of filter in challenging arches.



FILTER VISIBILITY



Fully deployed



Fully retracted

ORDERING INFORMATION

EMBOSHIELD NAV⁵™ EMBOLIC PROTECTION SYSTEM *

ORDER NUMBER	FILTER DIAMETER EXPANDS (MM)	RECOMMENDED VESSEL DIAMETER (MM)	WIRE LENGTH (CM)	MIN. SIZE OF SHEATH/ GUIDE CATHETER	MIN. INTERNAL DIAMETER SHEATH/GUIDE CATHETER (IN)
22442-19	5	2.5 – 4.8	190	5/6	0.070
22443-19	7.2	4 – 7	190	5/6	0.070

* EMBOSHIELD NAV⁵™ consists of 2 packages:

Package

Filter system

RX retrieval catheter

Contents

(1) RX application catheter, (1) filter element, (1) BareWire filter delivery wire (workhorse, 190 cm), (1) loading funnel, (1) introducer, (1) torquer, (1) syringe with rinse tip (1) RX retrieval catheter, (1) torquer, (1) syringe with rinse tip

BAREWIRE DELIVERY WIRES (0.014")**

ORDER NUMBER	WIRE TYPE	WIRE LENGTH (CM)
22444-19	Distal Access	190
22445-19	Workhorse	190
22445-31		315
22446-19	Support	190

** BareWires are available in packs of 5

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RX ACCUNET™

Embolic Protection System

ACCURATE CAPTURE AND CONTROL

Stability and flexibility for protection and ease of use

Stability

- Multiple points of contact between filter and vessel for optimal wall apposition
- Filter wire torqued independently from filter

Optimal protection

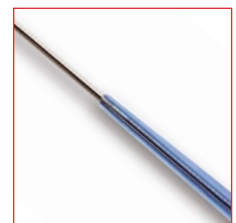
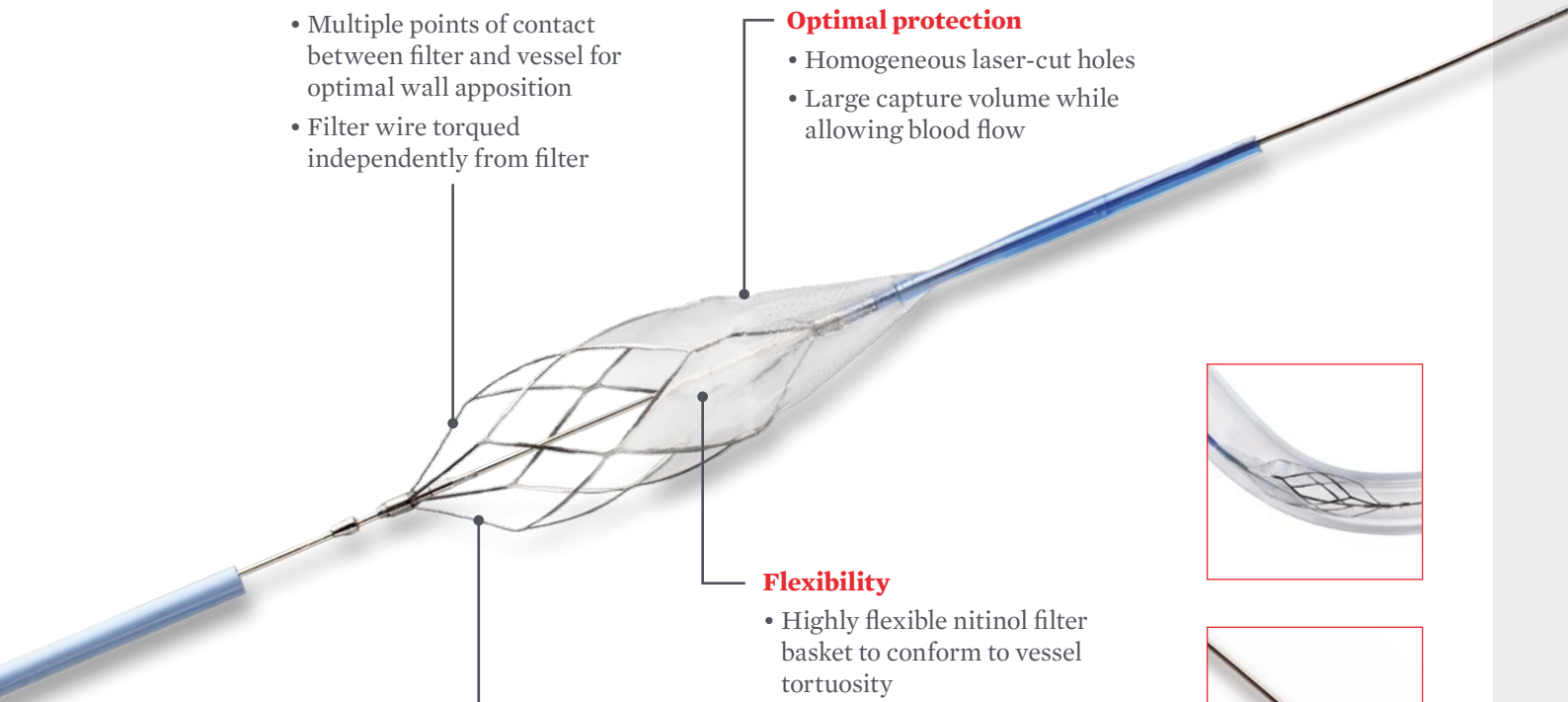
- Homogeneous laser-cut holes
- Large capture volume while allowing blood flow

Flexibility

- Highly flexible nitinol filter basket to conform to vessel tortuosity

Visibility

- Four platinum radiopaque markers on all filter struts



RX ACCUNET™ COMPONENTS



Filter and filter delivery system



Recovery catheter 1



Recovery catheter 2*

2 DIFFERENT RECOVERY CATHETER CHOICES FOR CHALLENGING ANATOMIES

RX ACCUNET™ recovery catheter “shapeable tip design”

- Shapeable distal tip deflects catheter from stent struts

RX ACCUNET™ 2 recovery catheter “flexible tip design”

- Soft, low-profile flexible tip to allow for smooth advancement
- Proximal markers for increased ease of use and reduced fluoro time



Shapeable recovery catheter tip



Flexible recovery catheter tip

ORDERING INFORMATION

RX ACCUNET™					
GUIDE WIRE LENGTH (CM)		FILTER SIZE FULLY EXPANDED [MM]	REFERENCE VESSEL Ø MIN. TO MAX. RANGE [MM]	MINIMUM SHEATH SIZE [F]	MINIMUM GULFING CATHETER SIZE [F]
190	300				
1011651-45	1011652-45	4.50	3.25 – 4.00	6	8
1011651-55	1011652-55	5.50	4.00 – 5.00	6	8
1011651-65	1011652-65	6.50	5.00 – 6.00	6	8
1011651-75	1011652-75	7.50	6.00 – 7.00	6	8

* Box contains Embolic Protection filter, RX ACCUNET™ Recovery Catheter and RX ACCUNET™ 2 Recovery Catheter

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CAROTID STENTS

RX ACCULINK™

Self-Expanding Open Cell Carotid Stent System

ACCURACY AND FLEXIBILITY

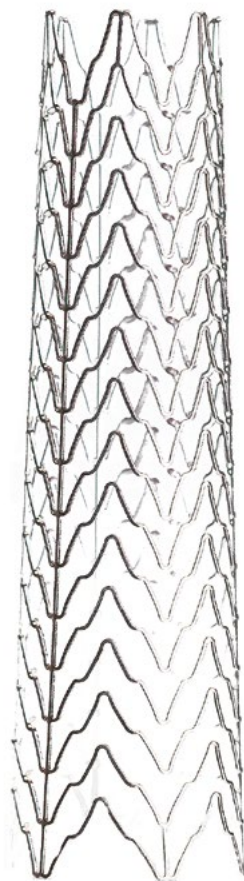
Innovative design for accuracy, flexibility and conformability

Innovative design

- Straight and tapered stent configurations
- Tapered design allows natural diameter match and provides uniform distal and proximal radial force
- Highly flexible and conformable for wall apposition with minimal foreshortening

Deliverability and usability

- Soft and flexible catheter tip for gentle lesion crossing
- Unique handle allows controlled, single-handed deployment for accurate stent deployment



Tapered



Straight

ORDERING INFORMATION

RX ACCULINK™ STENTDESIGN – STRAIGHT

132 CM CATHETER LENGTH

ORDER NUMBER	STENT DIAMETER (MM)	STENT LENGTH (MM)	MINIMUM SHEATH SIZE (F)	ICA RECOMMENDED VESSEL DIAMETER (MM)	CCA RECOMMENDED VESSEL DIAMETER (MM)
1010126-20	5	20	6	3.6 – 4.5	N/A
1010126-30	5	30	6	3.6 – 4.5	N/A
1010126-40	5	40	6	3.6 – 4.5	N/A
1010127-20	6	20	6	4.3 – 5.4	N/A
1010127-30	6	30	6	4.3 – 5.4	N/A
1010127-40	6	40	6	4.3 – 5.4	N/A
1010128-20	7	20	6	5 – 6.4	N/A
1010128-30	7	30	6	5 – 6.4	N/A
1010128-40	7	40	6	5 – 6.4	N/A
1010129-20	8	20	6	5.7 – 7.3	N/A
1010129-30	8	30	6	5.7 – 7.3	N/A
1010129-40	8	40	6	5.7 – 7.3	N/A
1010130-20	9	20	6	6.4 – 8.2	N/A
1010130-30	9	30	6	6.4 – 8.2	N/A
1010130-40	9	40	6	6.4 – 8.2	N/A
1010131-20	10	20	6	7.1 – 9.1	N/A
1010131-30	10	30	6	7.1 – 9.1	N/A
1010131-40	10	40	6	7.1 – 9.1	N/A

RX ACCULINK™ STENTDESIGN – TAPERED

132 CM CATHETER LENGTH

ORDER NUMBER	STENT DIAMETER (MM)	STENT LENGTH (MM)	MINIMUM SHEATH SIZE (F)	ICA RECOMMENDED VESSEL DIAMETER (MM)	CCA RECOMMENDED VESSEL DIAMETER (MM)
1010132-30	6 – 8	30	6	4.3 – 5.4	5.7 – 7.3
1010132-40	6 – 8	40	6	4.3 – 5.4	5.7 – 7.3
1010133-30	7 – 10	30	6	5 – 6.4	7.1 – 9.1
1010133-40	7 – 10	40	6	5 – 6.4	7.1 – 9.1

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X.ACT™

Self-Expanding Closed Cell Carotid Stent System

ACCURATE PLACEMENT WHERE IT COUNTS

Exact placement, strength and performance
where it counts

Nitinol construction

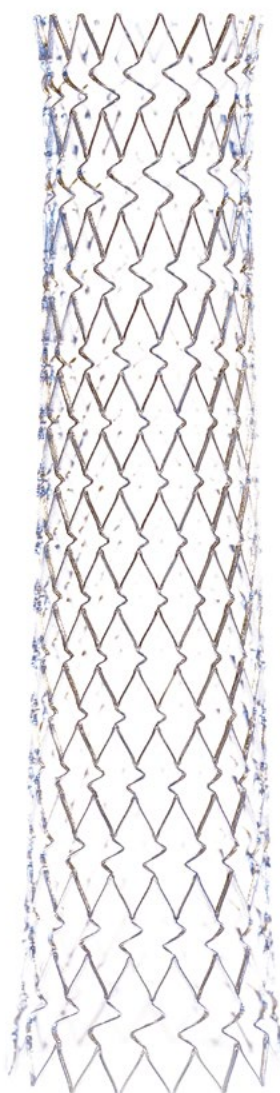
- Straight and tapered stent configurations
- Tapered design allows natural diameter match and provides uniform distal and proximal radial force
- Closed cell construct with minimal foreshortening
- Exceptional crush resistance

Unique variable cell size

- Increased radial force at lesion
- Increased stent coverage at lesion designed to minimize plaque extrusion
- Reduced radial force at healthy vessel segments
- Cell design minimizes risk of snagging



Single-handed stent release



X.ACT™ Tapered



X.ACT™ Straight

ORDERING INFORMATION

X.ACT™ STENTDESIGN – STRAIGHT

136 CM CATHETER LENGTH

ORDER NUMBER	STENT DIAMETER (MM)	STENT LENGTH (MM)	MINIMUM SHEATH SIZE (F)	ICA RECOMMENDED VESSEL DIAMETER (MM)	CCA RECOMMENDED VESSEL DIAMETER (MM)
XR02007S	7	20	6	>5.5 – 6.4	N/A
XR03007S	7	30	6	>5.5 – 6.4	N/A
XR02008S	8	20	6	>6.4 – 7.3	N/A
XR03008S	8	30	6	>6.4 – 7.3	N/A
XR02009S	9	20	6	>7.3 – 8.2	N/A
XR03009S	9	30	6	>7.3 – 8.2	N/A
XR02010S	10	20	6	>8.2 – 9.1	N/A
XR03010S	10	30	6	>8.2 – 9.1	N/A

X.ACT™ STENTDESIGN – TAPERED

136 CM CATHETER LENGTH

ORDER NUMBER	STENT DIAMETER (MM)	STENT LENGTH (MM)	MINIMUM SHEATH SIZE (F)	ICA RECOMMENDED VESSEL DIAMETER (MM)	CCA RECOMMENDED VESSEL DIAMETER (MM)
XR03008T	8 – 6	30	6	4.8 – 5.5	6.4 – 7.3
XR04008T	8 – 6	40	6	4.8 – 5.5	6.4 – 7.3
XR03009T	9 – 7	30	6	>5.5 – 6.4	7.3 – 8.2
XR04009T	9 – 7	40	6	>5.5 – 6.4	7.3 – 8.2
XR03010T	10 – 8	30	6	>6.4 – 7.3	8.2 – 9.1
XR04010T	10 – 8	40	6	>6.4 – 7.3	8.2 – 9.1

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EMBOLIZATION VASCULAR PLUGS

AMPLATZER™ VASCULAR PLUG

Short Landing Zone Embolization



PRECISE PLACEMENT AND RAPID EMBOLIZATION WITH A SINGLE DEVICE^{1,2}

- Single device solution¹
- Rapid embolization even in high-flow vessels^{1,2}
- Designed for precise placement, controlled delivery and fully recapturable
- Family of plugs for different vessel conditions
- Limited imaging artifact³

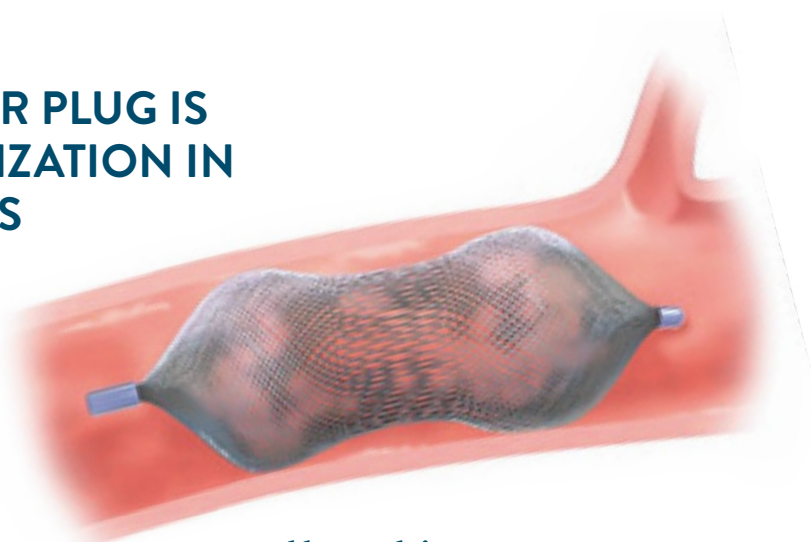
AMPLATZER™ VASCULAR PLUG IS DESIGNED FOR EMBOLIZATION IN SHORT LANDING ZONES

Compact design

- Single-lobe nitinol mesh design ideal for short landing zones

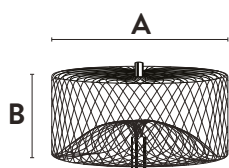
Guide catheter or sheath deliverable

- Compatible with 4-6F sheaths or 5-8F guide catheters depending on device size



Treatable vessel sizes:
2.7 – 12.3 mm*

ORDERING INFORMATION



AMPLATZER™ VASCULAR PLUG			MINIMUM REQUIREMENTS FOR THE PLACEMENT SYSTEM **		
MODEL/ ORDER NUMBER	DIAMETER (MM) DIAGRAM [A]	LENGTH (UNCONSTRAINED) (MM) DIAGRAM [B]	MIN. SIZE PLACEMENT CATHETER (F)	MIN. INTERNAL DIAMETER (MM/IN)	MAX. LENGTH (CM) ***
9-PLUG-004	4	7	5	1.42/0.056	100
9-PLUG-006	6	7	5	1.42/0.056	100
9-PLUG-008	8	7	5	1.42/0.056	100
9-PLUG-010	10	7	6	1.68/0.066	100
9-PLUG-012	12	8	6	1.68/0.066	100
9-PLUG-014	14	8	8	2.21/0.087	100
9-PLUG-016	16	8	8	2.21/0.087	100

* The indication of the treatable vessel sizes is based on the information on the device selection in the Instructions for Use (IFU) according to which the diameter of the plug should be about 30-50% larger than the vessel diameter at the site to be treated.

** The Amplatzer™ Vascular Plug can be delivered either via a sheath or a guide catheter. Note the internal diameter specifications.

*** The Amplatzer™ Vascular Plug is supplied with a 135 cm nitinol wire for placement.

1. M. Pech, Embolization of the Gastroduodenal Artery Before Selective Internal Radiotherapy: A Prospectively Randomized Trial Comparing Platinum-Fibered Microcoils with the Amplatzer™ Vascular Plug II. CVIR 2009(32)3:455-61.
2. F. Kucukay, Large Pulmonary Arteriovenous Malformations: Long-term Results of Embolization with Amplatzer™ Vascular Plugs. J Vasc Interv Radiol. 2014 Sep; 25(9):1327-32. doi: 10.1016/j.jvir.2014.01.031. Epub 2014 Mar 18.
3. F. Vandy, Transluminal Hypogastric Artery Occlusion with an Amplatzer™ Vascular Plug During Endovascular Aortic Aneurysm Repair. J Vasc Surg. 2008; 48(5):1121-4.

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AMPLATZER™ VASCULAR PLUG II

Variable Landing Zone Embolization



PRECISE PLACEMENT AND RAPID EMBOLIZATION WITH A SINGLE DEVICE^{1,2}

- Single device solution¹
- Rapid embolization even in high-flow vessels^{1,2}
- Designed for precise placement, controlled delivery and fully recapturable
- Family of plugs for different vessel conditions
- Limited imaging artifact³

AMPLATZER™ VASCULAR PLUG II IS DESIGNED FOR RAPID EMBOLIZATION AND CAN ADJUST TO VARIABLE LANDING ZONES

Rapid embolization¹

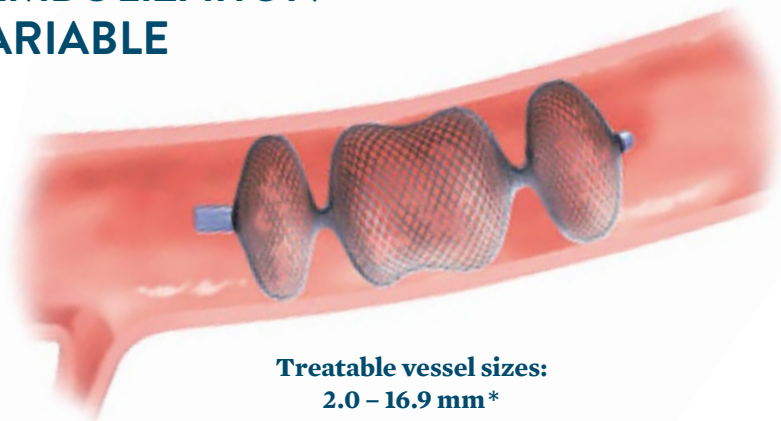
- Multi-layered, multiple-lobed nitinol mesh design provides rapid embolization within the vessel

Secure positioning

- Multiple points of contact with the vessel wall for secure positioning in medium- and high-flow vessels

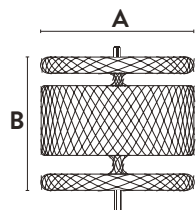
Guide catheter or sheath deliverable

- Compatible with 4-7F sheaths or 5-9F guide catheters depending on device size



**Treatable vessel sizes:
2.0 – 16.9 mm***

ORDER INFORMATION



AMPLATZER™ VASCULAR PLUG II			MINIMUM REQUIREMENTS FOR THE PLACEMENT SYSTEM **		
MODEL/ ORDER NUMBER	DIAMETER (MM) DIAGRAM [A]	LENGTH (UNCONSTRAINED) (MM) DIAGRAM [B]	MIN. SIZE PLACEMENT CATHETER (F)	MIN. INTERNAL DIAMETER (MM/IN)	MAX. LENGTH (CM) ***
9-AVP2-003	3	6	5	1.42/0.056	100
9-AVP2-004	4	6	5	1.42/0.056	100
9-AVP2-006	6	6	5	1.42/0.056	100
9-AVP2-008	8	7	5	1.42/0.056	100
9-AVP2-010	10	7	6	1.78/0.070	100
9-AVP2-012	12	9	6	1.78/0.070	100
9-AVP2-014	14	10	8	2.18/0.086	100
9-AVP2-016	16	12	8	2.18/0.086	100
9-AVP2-018	18	14	9	2.49/0.098	100
9-AVP2-020	20	16	9	2.49/0.098	100
9-AVP2-022	22	18	9	2.49/0.098	100

* The specification of treatable vessel sizes is based on the information for device selection in the instructions for use (IFU). According to this information, the diameter of the plug should be approx. 30-50% greater than the vessel diameter at the site to be treated.

** The Amplatzer™ Vascular Plug II can be delivered either via a sheath or a guide catheter. Note the internal diameter specifications.

*** The Amplatzer™ Vascular Plug II is supplied with a 135 cm nitinol wire for placement.

1. M. Pech, Embolization of the Gastroduodenal Artery Before Selective Internal Radiotherapy: A Prospectively Randomized Trial Comparing Platinum-Fibered Microcoils with the Amplatzer™ Vascular Plug II. CVIR 2009(32)3:455-61.
2. F. Kucukay, Large Pulmonary Arteriovenous Malformations: Long-term Results of Embolization with Amplatzer™ Vascular Plugs. J Vasc Interv Radiol. 2014 Sep; 25(9):1327-32. doi: 10.1016/j.jvir.2014.01.031. Epub 2014 Mar 18.
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AMPLATZER™ VASCULAR PLUG 4

Low-Profile Embolization



PRECISE PLACEMENT AND RAPID EMBOLIZATION WITH A SINGLE DEVICE^{1,2}

- Single device solution¹
- Rapid embolization even in high-flow vessels^{1,2}
- Designed for precise placement, controlled delivery and fully recapturable
- Family of plugs for different vessel conditions
- Limited imaging artifact³

AMPLATZER™ VASCULAR PLUG 4 IS DESIGNED TO REACH DISTAL AND TORTUOUS ANATOMIES

Diagnostic catheter deliverable

- Simple delivery through a 0.038 inch diagnostic catheter

Improved navigation

- Low-profile design and more flexible delivery wire allow the device to navigate through tortuous anatomies with ease

Rapid embolization

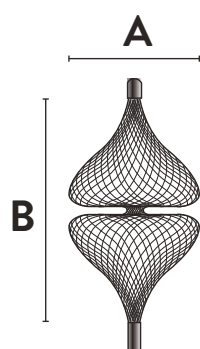
- Multi-layered, double-lobed nitinol mesh design provides rapid embolization within the vessel



Treatable vessel sizes:

2.6 – 6.2 mm *

ORDER INFORMATION



AMPLATZER™ VASCULAR PLUG 4			MINIMUM REQUIREMENTS FOR THE PLACEMENT SYSTEM **	
MODEL/ ORDER NUMBER	DIAMETER (MM) DIAGRAM [A]	LENGTH (UNCONSTRAINED) (MM) DIAGRAM [B]	GUIDE WIRE COMPATIBILITY REQUIRED OF THE DIAGNOSTIC CATHETER (IN)	MAX. LENGTH (CM) ***
9-AVP038-004	4	10.0	0.038	125
9-AVP038-005	5	10.5	0.038	125
9-AVP038-006	6	11.0	0.038	125
9-AVP038-007	7	12.5	0.038	125
9-AVP038-008	8	13.5	0.038	125

*The specification of treatable vessel sizes is based on the information for device selection in the instructions for use (IFU). According to this information, the diameter of the plug should be approx. 30-50% greater than the vessel diameter at the site to be treated.

** The Amplatzer™ Vascular Plug 4 has been tested for compatibility with the following diagnostic catheters:

- 5F Boston Scientific IMAGER II (100 cm or less) • 4F Cordis TEMPO (100 cm or less) • 4F Cordis TEMPO AQUA (100 cm or less) • 5F Merit Medical Impress (125 cm or less)
- Please note: For the selection and use of catheters, physicians should rely on their own clinical judgement and consult the instructions for use of the listed products for advice. Manufacturers may change the specifications of the catheters without advance notice, which could affect compatibility with the Amplatzer™ Vascular Plug 4. Abbott cannot offer any guarantee for catheters of other manufacturers when used in conjunction with Abbott products. The use of other diagnostic catheters may lead to a failure to successfully place, release, or retrieve products.

*** The Amplatzer™ Vascular Plug 4 is supplied with a 155 cm PTFE-coated wire for placement.

1. M. Pech, Embolization of the Gastroduodenal Artery Before Selective Internal Radiotherapy: A Prospectively Randomized Trial Comparing Platinum-Fibered Microcoils with the Amplatzer™ Vascular Plug II. CVIR 2009(32):3:455-61.
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INTRODUCERS

ENGAGE™

Introducer

ACCESS REDEFINED

Designed for excellent femoral insertion performance and vascular access

Thoughtful design for procedural performance

- Robust hemostatic valves to minimize backbleeding and air aspiration
- Smooth transitions and gradual tapers designed for seamless insertion and reduced insertion force
- Flexible strain relief aids in kink resistance
- Designed with an atraumatic tip
- Reliable seal designed to balance pass-through friction while maintaining reliable hemostasis with devices up to 9F. Seal is maintained even if no device is inserted

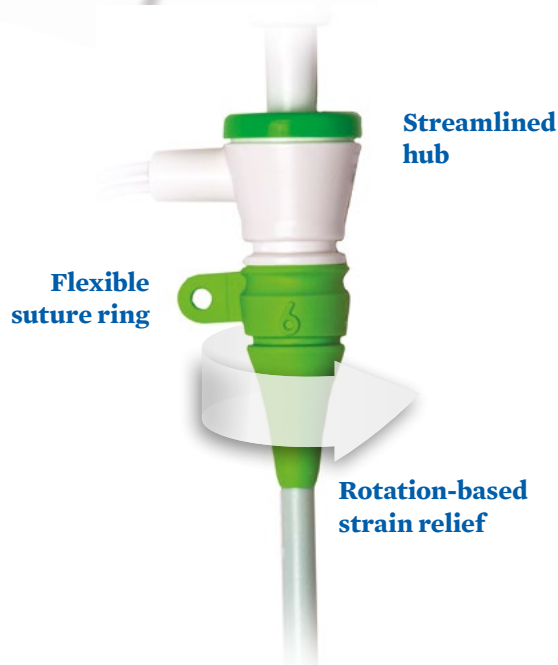
Ease of use

- Snap-lock feature secures dilator in sheath during insertion
- Innovative flexible rotating suture ring for easy manipulation and convenient suture placement
- Larger flush port is designed to decrease internal clot formation



Smooth transitions

from the sheath to the dilator and from the dilator to the Guide Wire



Streamlined hub

Flexible suture ring

Rotation-based strain relief

ORDERING INFORMATION

ENGAGE™ INTRODUCER			
ORDER NUMBER	FRENCH SIZE (F) (ACT)	SHEATH LENGTH (CM)	GUIDE WIRE DIAMETER (IN)
C408500	4	12	0.035
C408501	5	12	0.035
C408502	6	12	0.035
C408503	7	12	0.035
C408504	8	12	0.035
C408505	9	12	0.035
C408511	4	25	0.035
C408512	5	25	0.035
C408513	6	25	0.035
C408514	7	25	0.035
C408515	8	25	0.035
C408516	9	25	0.035
C408506	5	12	0.038
C408507	6	12	0.038
C408508	7	12	0.038
C408509	8	12	0.038
C408510	9	12	0.038
C408517	5	25	0.038
C408518	6	25	0.038
C408519	7	25	0.038
C408520	8	25	0.038
C408521	9	25	0.038

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ENGAGE™ TR

Introducer

ACCESS REDEFINED

Designed for excellent radial insertion performance and vascular access

Thoughtful design for procedural performance

- Robust hemostatic valves to minimize backbleeding and air aspiration
- Smooth transitions and gradual tapers designed for seamless insertion and reduced insertion force
- Flexible strain relief aids in kink resistance
- Reliable seal designed to balance pass-through friction while maintaining reliable hemostasis with devices up to 6F

Ease of use

- Snap-lock feature secures dilator in sheath during insertion
- Innovative flexible rotating suture ring for easy manipulation and convenient suture placement
- Multiple wire and needle configurations to meet a wide range of needs in radial access

Smooth transitions

from the sheath to the dilator and from the dilator to the Guide Wire



Streamlined hub

Flexible suture ring

Rotation-based strain relief

ORDERING INFORMATION

ENGAGE™ TR INTRODUCERS				
ORDER NUMBER	FRENCH SIZE (F) (ACT)	WIRE / NEEDLE CONFIGURATION	SHEATH LENGTH (CM)	GUIDE WIRE DIAMETER (IN)
C408541	4	SS/Standard	8.5	0.025
C408543	5	SS/Standard	8.5	0.025
C408545	6	SS/Standard	8.5	0.025
C408525	4	SS/Standard	12	0.025
C408526	5	SS/Standard	12	0.025
C408527	6	SS/Standard	12	0.025
C408528	4	SS/Standard	25	0.025
C408529	5	SS/Standard	25	0.025
C408530	6	SS/Standard	25	0.025
C408540	4	Coated/Cannula	8.5	0.025
C408542	5	Coated/Cannula	8.5	0.025
C408544	6	Coated/Cannula	8.5	0.025
C408534	4	Coated/Cannula	12	0.025
C408535	5	Coated/Cannula	12	0.025
C408536	6	Coated/Cannula	12	0.025
C408537	4	Coated/Cannula	25	0.025
C408538	5	Coated/Cannula	25	0.025
C4085139	6	Coated/Cannula	25	0.025

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FAST-CATH™

Introducer

ACCESS REDEFINED

The Fast-Cath™ family is designed as both a workhorse sheath for interventional catheterizations and a specialty sheath for brachial access and myocardial biopsy

Available in a range of shapes and sizes to enable support for a wide range of procedures

- Workhorse or specialist sheaths – Support for the broadest range of indications and clinical needs

Dependable hemostasis

- Fast-Cath™ valve designed to preserve catheter handling while minimizing backbleeding and air introduction

Atraumatic tip

- Smooth tapers and tip transitions designed to minimize trauma during vascular access

Fast-Cath™ introducer with GSPC sheath

for myocardial biopsy



5 cm wysham sheath

for brachial artery introduction



ORDERING INFORMATION

STANDARD INTRODUCER SHEATH WITH DILATOR, GUIDE WIRE AND 18G NEEDLE

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)
406350	5	0.038	12
406354	6	0.038	12
406358	7	0.038	12
406362	8	0.038	12
406366	9	0.038	12

STANDARD INTRODUCER SHEATH WITH DILATOR, GUIDE WIRE, LUER LOCK HUB, REPOSITIONING SLEEVE, SYRINGE AND 18G NEEDLE

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)
406110	6	0.032	12
406102	5	0.038	12
406103	6	0.038	12
406107	7	0.038	12
406114	8	0.038	12
406137	8.5	0.038	12
406118	9	0.038	12

STANDARD INTRODUCER SHEATH WITH DILATOR

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)
406200	5	0.038	12
406204	6	0.038	12
406206	6.5	0.038	12
406208	7	0.038	12
406203	7.5	0.038	12
406212	8	0.038	12
406207	8.5	0.038	12
406216	9	0.038	12
406131	6	0.038	23
406749	6	0.038	26
406788	7	0.038	26
406568	6	0.038	40
406597	7	0.038	40
406598	8	0.038	40
406743	6	0.038	45
406742	7	0.038	45
406548	8	0.038	55
406773	7	0.038	98

STANDARD INTRODUCER SHEATH WITH DILATOR, GUIDE WIRE AND OBTURATOR

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)
406584	6	0.038	12
406570	7	0.038	12
406571	7.5	0.038	12
406574	9	0.038	12
406240*	5	0.038	12
406242*	6	0.038	12
406244*	7	0.038	12
406246*	8	0.038	12

* Features Luer Lock

85 CM CURVED INTRODUCER SHEATH

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)	ACCESSORIES INCLUDED	CURVE SHAPE
406764	7	0.038	85	Dilatator	5 cm "J"
406765	7	0.038	85	Dilatator	7 cm "J"
406740	8	0.038	85	Dilatator	5 cm "J"
406741	8	0.038	85	Dilatator	7 cm "J"

STANDARD INTRODUCER SHEATH WITH 2 DILATORS

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)	ACCESSORIES INCLUDED
406143	8.5	0.038	23	2 dilators (5F and 8.5F) and Guide Wire
406117	8	0.038	23	2 dilators (5F and 8F)
406142	8	0.038	23	2 dilators (5F and 8F) and Guide Wire
406125	10	0.038	23	2 dilators (6F and 10F)
406144	9	0.038	23	2 dilators (6F and 9F) and Guide Wire

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FAST-CATH™

Introducer

ORDERING INFORMATION (CONTINUED)

STANDARD INTRODUCER SHEATH WITH DILATOR AND GUIDE WIRE

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)
406159	4	0.021	5
406163	5	0.021	5
406165	6	0.021	5
406540	4	0.021	8.5
406542	5	0.021	8.5
406544	6	0.021	8.5
406546	7	0.025	8.5
406115	4	0.025	12
406101	5	0.032	12
406100	5	0.038	12
406151	5.5	0.038	12
406104	6	0.038	12
406153	6.5	0.038	12
406108	7	0.038	12
406119	7.5	0.038	12
406112	8	0.038	12
406123	8.5	0.038	12
406116	9	0.038	12
406138	5	0.038	23
406139	6	0.038	23
406140	7	0.038	23

GSPC INTRODUCER SHEATH

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)	ACCESSORIES INCLUDED
406772	7	0.038	40	Dilatator
406787	7	0.038	85	Dilatator

5 CM WYSHAM INTRODUCER SHEATH

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)
406162	5	0.038	5
406164	6	0.038	5
406168	7	0.038	5

INTRODUCER SHEATH WITH LARGE LUMEN

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)	ACCESSORIES INCLUDED
406133	9.5	0.038	12	Dilatator and Guide Wire
406120	10	0.038	12	
406134	10.5	0.038	12	
406124	11	0.038	12	
406128	12	0.038	12	
406132	13	0.038	12	
406136	14	0.038	12	
406180	10	0.038	30	
406183	10.5	0.038	30	
406182	11	0.038	30	
406184	12	0.038	30	
406188	14	0.038	30	
406576	10	0.038	12	Dilatator, Guide Wire, and snap lock obturator
406578	11	0.038	12	
406579	12	0.038	12	
406581	14	0.038	12	

40 CM INTRODUCER SHEATH WITH 60 DEGREE CURVE

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	LOCK LENGTH (CM)	ACCESSORIES INCLUDED
406783	7	0.038	40	Dilatator

ORDERING INFORMATION (CONTINUED)

FAST-CATH™ HEMOSTASIS INTRODUCER WITH GUIDE WIRE WITHOUT SIDE PORT

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)
406543	6	0.038	12
406545	7	0.038	12

FAST-CATH™ HAEMOSTASIS INTRODUCER WITH CATH-LOCK TECHNOLOGY AND GUIDE WIRE

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)
406709	4	0.035	12
406700	5	0.038	12
406703	5.5	0.038	12
406701	6	0.038	12
406704	6.5	0.038	12
406702	7	0.038	12
406705	7.5	0.038	12
406706	8	0.038	12
406707	8.5	0.038	12
406708	9	0.038	12
406724	6	0.038	23

FAST-CATH™ DUO HAEMOSTASIS INTRODUCER WITH CATH-LOCK TECHNOLOGY AND GUIDE WIRE

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)
406331	8	0.038	12
406307	10	0.038	12
406301	12	0.038	12
406333	9	0.038	23

FAST-CATH™-TRIO HAEMOSTASIS INTRODUCER WITH CATH-LOCK TECHNOLOGY AND GUIDE WIRE

ORDER NUMBER	FRENCH SIZE (F)	MAX. GUIDE WIRE DIAMETER (IN)	SHEATH LENGTH (CM)
406955	10	0.035	40
406961	12	0.035	40
406308	10	0.038	12
406306	12	0.038	12
406303	14	0.038	12
406335	10	0.038	23

HAEMOSTASIS ADAPTER

ORDER NUMBER	FRENCH SIZE (F)	DESCRIPTION ADAPTER
406300	9 or smaller	Haemostasis adapter
406302	9 or smaller	Haemostasis adapter with Luer lock connection
406304	9 or smaller	Haemostasis adapter with “Cath-Lock Tuohy-Borst catheter sealing” mechanism

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ULTIMUM™

Introducer

ACCESS REDEFINED

Designed for access assurance and excellent insertion performance

Sizes to meet a variety of procedural needs

- Supports cases from 4F to 20F

Thoughtful design for procedural performance

- Short and strong dilator for optimal insertion performance
- Smooth tapers and tip transitions allow consistent and controlled vascular access
- Robust hemostatic valves minimize back-bleeding and air aspiration
- Snap-lock feature secures dilator in sheath during insertion

Reliable hemostasis

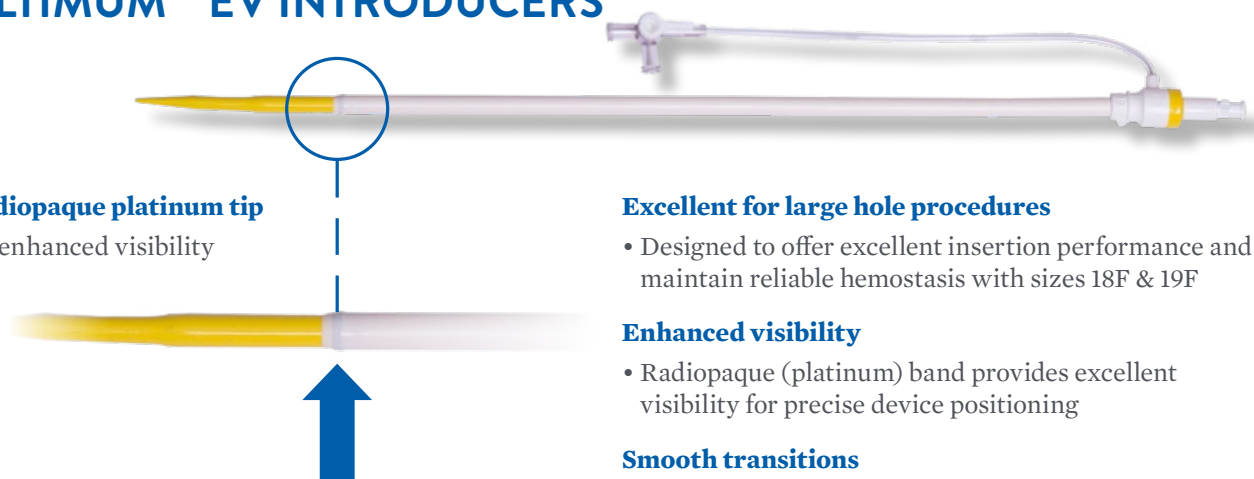
- Double-sealed hemostasis valve provides exceptional seals even around smaller Guide Wire diameters (0.014" Guide Wire compatible)



Unique double-sealed valve allows for more effective bleed-back management

ULTIMUM™ EV INTRODUCERS

Radiopaque platinum tip
for enhanced visibility



Excellent for large hole procedures

- Designed to offer excellent insertion performance and maintain reliable hemostasis with sizes 18F & 19F

Enhanced visibility

- Radiopaque (platinum) band provides excellent visibility for precise device positioning

Smooth transitions

- Dual tapered dilator for easy insertion

ORDERING INFORMATION

ULTIMUM™ INTRODUCER SHEATHS

REORDER NUMBER	FRENCH SIZE (F)	SHEATH LENGTH (CM)	MAX GW DIAMETER (IN)	ACCESSORIES INCLUDED
407830	4	5	0.035	Dilator and Guide Wire
407840	4	12	0.035	Dilator and Guide Wire
407841	4-ACT	12	0.035	Dilator and Guide Wire
407851	4	23	0.035	Dilator and Guide Wire
407852	4-ACT	23	0.035	Dilator and Guide Wire
407692	6	26	0.038	Dilator
407831	5	5	0.038	Dilator and Guide Wire
407832	6	5	0.038	Dilator and Guide Wire
407833	7	5	0.038	Dilator and Guide Wire
407834	8	5	0.038	Dilator and Guide Wire
407836	5	8.5	0.038	Dilator and Guide Wire
407837	6	8.5	0.038	Dilator and Guide Wire
407838	7	8.5	0.038	Dilator and Guide Wire
407842	5	12	0.038	Dilator and Guide Wire
407843	5-ACT	12	0.038	Dilator and Guide Wire
407844	6	12	0.038	Dilator and Guide Wire
407845	6-ACT	12	0.038	Dilator and Guide Wire
407846	7	12	0.038	Dilator and Guide Wire
407847	7-ACT	12	0.038	Dilator and Guide Wire
407848	8	12	0.038	Dilator and Guide Wire
407849	8-ACT	12	0.038	Dilator and Guide Wire
407850	9	12	0.038	Dilator and Guide Wire
407853	5	23	0.038	Dilator and Guide Wire
407854	5-ACT	23	0.038	Dilator and Guide Wire
407855	6	23	0.038	Dilator and Guide Wire
407856	6-ACT	23	0.038	Dilator and Guide Wire
407857	7	23	0.038	Dilator and Guide Wire
407858	7-ACT	23	0.038	Dilator and Guide Wire
407859	8	23	0.038	Dilator and Guide Wire
407860	8-ACT	23	0.038	Dilator and Guide Wire
407861	9	23	0.038	Dilator and Guide Wire
407693	5	12	0.038	Dilator, Guide Wire, Syringe, and 18 gauge XTW Needle
407694	6	12	0.038	Dilator, Guide Wire, Syringe, and 18 gauge XTW Needle
407695	7	12	0.038	Dilator, Guide Wire, Syringe, and 18 gauge XTW Needle
407696	8	12	0.038	Dilator, Guide Wire, Syringe, and 18 gauge XTW Needle

ULTIMUM™ EV INTRODUCER SHEATHS

REORDER NUMBER	FRENCH SIZE (F)	SHEATH LENGTH (CM)	MAX GW DIAMETER (IN)	ACCESSORIES INCLUDED
C407698	18	30	0.035	Dilator
C407699	19	30	0.035	Dilator
407638	5	5	0.035	Dilator and Guide Wire
407639	6	5	0.035	Dilator and Guide Wire
407640	7	5	0.035	Dilator and Guide Wire
407647	4	12	0.035	Dilator and Guide Wire
407648	5	12	0.035	Dilator and Guide Wire
407649	6	12	0.035	Dilator and Guide Wire
407650	7	12	0.035	Dilator and Guide Wire
407651	8	12	0.035	Dilator and Guide Wire
407652	9	12	0.035	Dilator and Guide Wire
407653	10	12	0.035	Dilator and Guide Wire
407654	11	12	0.035	Dilator and Guide Wire
407655	12	12	0.035	Dilator and Guide Wire
407657	4	23	0.035	Dilator and Guide Wire
407659	6	23	0.035	Dilator and Guide Wire
407660	7	23	0.035	Dilator and Guide Wire
407663	10	23	0.035	Dilator and Guide Wire
407697	12	30	0.035	Dual Tapered Dilator
407687	14	30	0.035	Dual Tapered Dilator
407689	18	30	0.035	Dual Tapered Dilator
407690	20	30	0.035	Dual Tapered Dilator
407688	16	35	0.035	Dual Tapered Dilator

ULTIMUM™ LT INTRODUCER SHEATHS

REORDER NUMBER	FRENCH SIZE (F)	SHEATH LENGTH (CM)	MAX GW DIAMETER (IN)	ACCESSORIES INCLUDED
C407594	5	12	0.021	Dilator, Guide Wire, Needle
C407597	6	12	0.021	Dilator, Guide Wire, Needle
C407595	5	12	0.025	Dilator, Guide Wire, Needle
C407598	6	12	0.025	Dilator, Guide Wire, Needle
C407599	6	12	0.035	Dilator, Guide Wire, Needle

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DRUG ELUTING STENTS

XIENCE PRIME BTK™

Everolimus Eluting Peripheral Stent System

ADVANCING BTK EFFICACY

Designed for outstanding performance



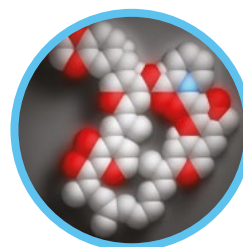
Thin stent struts

for maximum flexibility and vessel adjustment with minimum impact on lumen size



Low crossing profile

for overcoming complex lesions

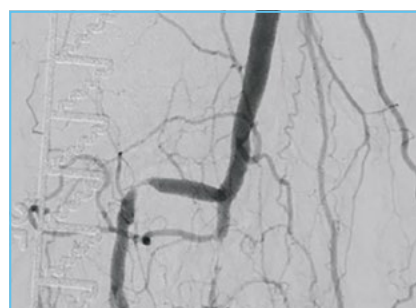


Controlled everolimus drug elution

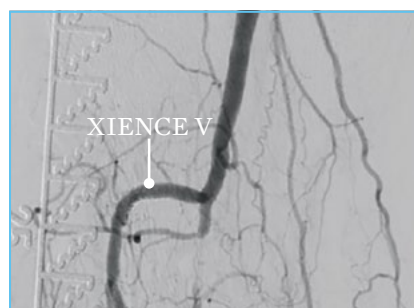
Effective, low-dose, anti-proliferative medication integrated in the polymer coating



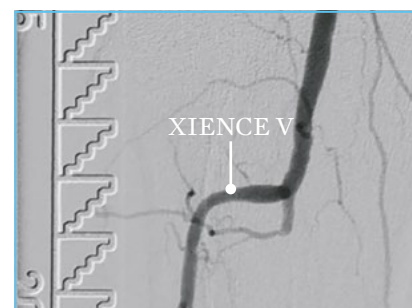
EXCELLENT LONG-TERM PATENCY OF CONFORMABLE XIENCE PLATFORM



Before intervention¹

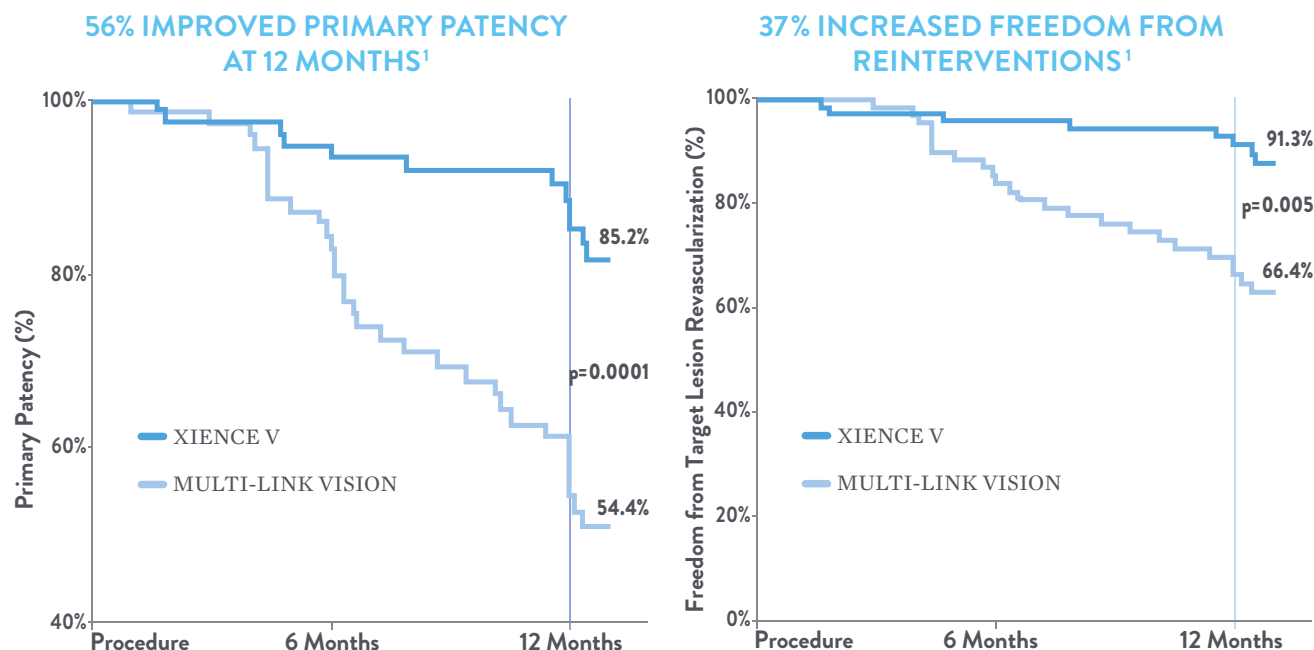


After intervention¹



12 months after intervention¹

CLINICAL ADVANTAGES OF DES



ORDERING INFORMATION

XIENCE PRIME BTK™						
ORDER NUMBER	STENT DIAMETER (MM)	STENT LENGTH (MM)	NOMINAL PRESSURE (ATM)	RATED BURST PRESSURE RBP (ATM)	MAXIMUM STENT DIAMETER	MINIMUM SHEATH SIZE (F)
1012646-28	2.5	28	8	18	3.25	5
1012646-38	2.5	38	8	18	3.25	5
1012648-28	3	28	10	18	3.75	5
1012648-38	3	38	10	18	3.75	5
1012649-28	3.5	28	10	18	4.5	5
1012649-38	3.5	38	10	18	4.5	5
1012650-28	4	28	10	18	4.5	5
1012650-38	4	38	10	18	4.5	5

1. M. Bosiers, D. Scheinert, P. Peeters, G. Torsello, T. Zeller, K. DeLoose, J. Tessarek, E. Vinck, L. Schwartz, Randomized comparison of everolimus-eluting versus bare-metal stents in patients with critical limb ischemia and infrapopliteal arterial occlusive disease. J Vasc Surg 2012 Feb;55(2):390-398.

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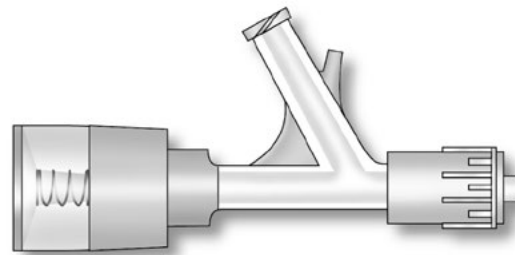
ACCESSORIES

COPILOT™ BLEEDBACK CONTROL VALVE

Hemostatic Valves Accessories

BLOOD LOSS MINIMIZATION FOR A CLEANER, SAFER PROCEDURE

- The COPILOT Bleedback Control Valve has a 0.096" (2.44 mm) inside diameter. This device has two seals that operate independently: the clamp seal and the bleedback control (BBC) seal
- The clamp seal can be opened or closed by rotating the cap. Closing the clamp seal allows for pressure injections up to 400 psi and also secures the diagnostic / interventional device position within the vasculature
- The BBC seal is a diaphragm seal that forms around diagnostic / interventional devices as they move into and out of the vasculature. This seal provides minimal fluid loss without restricting device movement
- The BBC seal is open when the cap is pressed down, and closed when the cap is released. An open BBC seal allows air to be purged from the device and allows the insertion / withdrawal of diagnostic / interventional devices



ORDERING INFORMATION

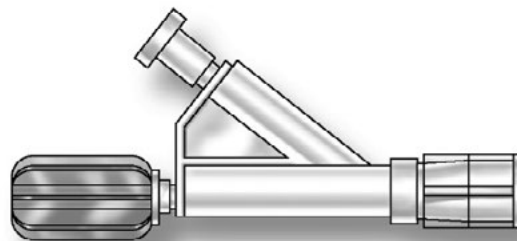
COPILOT™ BLEEDBACK CONTROL VALVE		
PRODUCT CODE	DESCRIPTION	INNER DIAMETER (IN/MM)
1003331	Copilot Bleedback Control Valve	0.096/2.44

ROTATING HEMOSTATIC VALVE

Hemostatic Valves Accessories

MAINTAIN A FLUID-TIGHT SEAL AROUND INTERVENTIONAL DEVICES SUCH AS DILATATION CATHETERS AND GUIDE WIRES DURING PERCUTANEOUS TRANSLUMINAL ANGIOPLASTY

- Designed to minimize blood loss and optimize control of interventional devices



ORDERING INFORMATION

ROTATING HEMOSTATIC VALVE		
PRODUCT CODE	DESCRIPTION	INNER DIAMETER (IN/MM)
23242	0.096 Rotating Hemostatic Valve	0.096/2.44
23245	0.115 Rotating Hemostatic Valve	0.115/2.92

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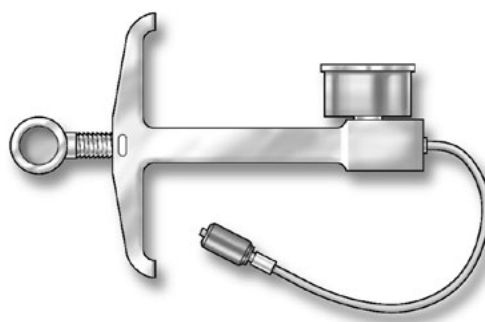
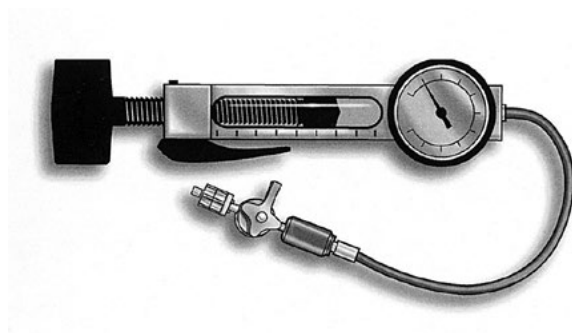


PLUS 30 INDEFLATOR™ INFLATION DEVICE

Indeflators Accessories

INFLATE AND DEFLATE DILATATION CATHETERS AS WELL AS DISPLAY PRESSURE DURING PERCUTANEOUS TRANSLUMINAL ANGIOPLASTY

- Standard design for inflation to a maximum of 30 atmospheres pressure



ORDERING INFORMATION

INDEFLATOR PLUS 30 INFLATION DEVICE			
PRODUCT CODE	DESCRIPTION	SYRINGE (CC)	GAUGE (ATM)
1000183	Indeflator Plus 30 Inflation Device	20	30

20/30 INDEFLATOR™ INFLATION DEVICE

Indeflators Accessories

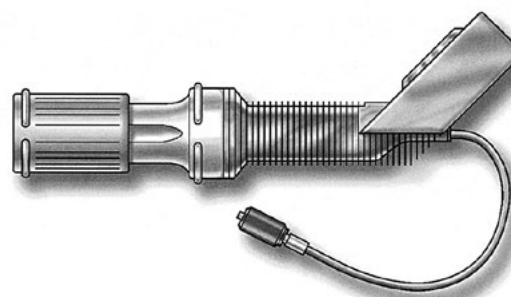
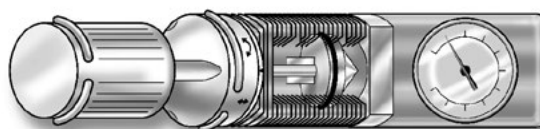
INFLATE AND DEFLATE DILATATION CATHETERS AS WELL AS DISPLAY PRESSURE DURING PERCUTANEOUS TRANSLUMINAL ANGIOPLASTY

- Ergonomic design for device inflation to a maximum of 30 atmospheres pressure

The inflation device is an inflation / deflation device with an analog pressure gauge that registers pressures.

The 20/30 INDEFLATOR Inflation Device registers pressures from VAC to 30 atmospheres (VAC to 441 psi). The device has a quick release lever to quickly engage and disengage the threads on the plunger handle.

A three-way stopcock is included for use during preparation of the device and in conjunction with interventional devices.



ORDERING INFORMATION

INDEFLATOR PLUS 30 INFLATION DEVICE			
PRODUCT CODE	DESCRIPTION	SYRINGE (CC)	GAUGE (ATM)
1000184	20/30 Indeflator Inflation Device	20	30

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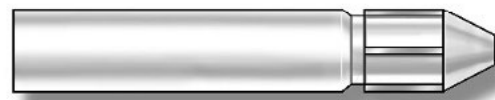
TORQUE DEVICE

Guide Wire Accessories

FACILITATE THE STEERING OF THE GUIDE WIRES WITHIN THE VASCULAR ANATOMY

- Provides grip for steering guide wires in the anatomy

The torque device is designed to be used with 0.009" (0.23 mm) to 0.018" (0.46 mm) guide wires to facilitate the steering of the guide wires within the vascular anatomy.



ORDERING INFORMATION

TORQUE DEVICES		
PRODUCT CODE	DESCRIPTION	COMPATIBLE GUIDE WIRES (IN/MM)
22215	Torque Device - 10 Pack	0.009 – .018/0.22 – 0.45

GUIDE WIRE INTRODUCER

Guide Wire Accessories

EASY ACCESS OF WIRES THROUGH RHVS, WHILE PREVENTING WIRE TIP DAMAGE

- The guide wire introducer is a device designed to assist in the introduction of 0.009" (0.23 mm) to 0.018" (0.46 mm) guide wires used in conjunction with vascular interventional and / or diagnostic devices.



ORDERING INFORMATION

INTRODUCERS		
PRODUCT CODE	DESCRIPTION	COMPATIBLE GUIDE WIRES (IN/MM)
22290	Guide Wire Introducer - 10 Pack	0.009 – 0.018/0.22 – 0.45

DOC GUIDE WIRE EXTENSION

Guide Wire Accessories

EXTEND THE LENGTH OF A GUIDE WIRE TO ALLOW THE EXCHANGE OF ONE DILATATION CATHETER FOR ANOTHER

- The DOC Guide Wire Extension is a PTFE-coated stainless steel guide wire attachment which is 0.014 inches (nominal) in diameter and 143,5 centimeters (nominal) in length



It is exclusively compatible with wires of the HI-TORQUE Guide Wire Series which have been modified for the attachment of the DOC Guide Wire Extension.

The DOC Guide Wire Extension is packaged with an insertion device to facilitate the extension procedure.

When the exchange procedure is complete, the DOC Guide Wire Extension is detachable. A maximum of four detachments is recommended.

ORDERING INFORMATION

DOC GUIDE WIRE EXTENSION		
PRODUCT CODE	DESCRIPTION	COMPATIBLE GUIDE WIRES (IN/MM)
22260	(Proximal guide wire extender for OTW/RX platform flexibility)	0.014/0.018*

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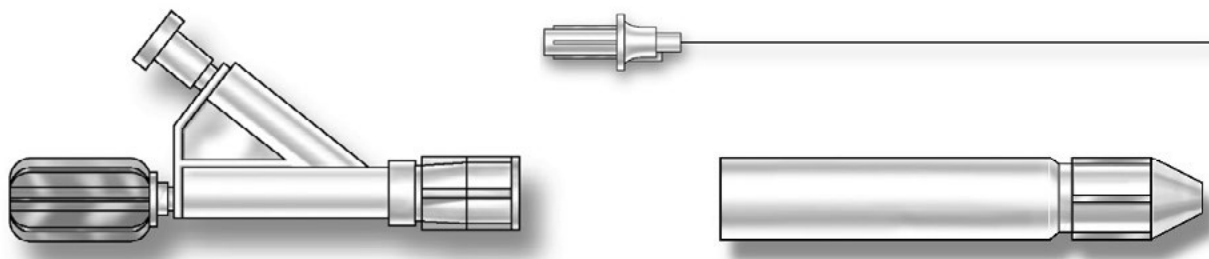
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GUIDE WIRE KIT WITH RHV

Guide Wire Accessories

- This kit contains a GW Introducer, torque device, and an RHV



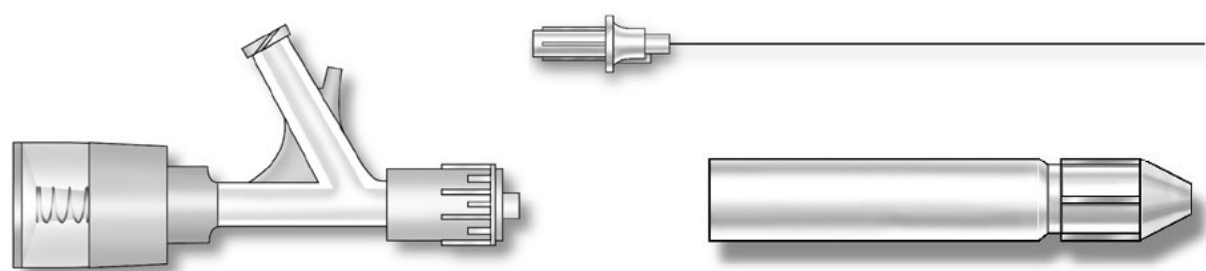
ORDERING INFORMATION

GUIDE WIRE KIT WITH RHV		
PRODUCT CODE	DESCRIPTION	COMPATIBLE GUIDE WIRES (IN/MM)
22295	Guide Wire Introducer and Torque Device 0.096 Rotating Hemostatic Valve Diameter 0.096/2.44	0.009 – 0.018/0.22 – 0.45
22295-115	Guide Wire Introducer and Torque Device 0.115 Rotating Hemostatic Valve Diameter 0.115/2.92	0.009 – 0.018/0.22 – 0.45

GUIDE WIRE KIT WITH COPILOT™ BLEEDBACK CONTROL VALVE

Guide Wire Accessories

- This kit contains a GW Introducer, torque device, and a COPILOT



ORDERING INFORMATION

GUIDE WIRE KIT WITH COPILOT		
PRODUCT CODE	DESCRIPTION	COMPATIBLE GUIDE WIRES (IN/MM)
1003330	Guide Wire Introducer and Torque Device Copilot Bleedback Control Valve Diameter 0.096/2.44	0.009 – 0.018/0.22 – 0.45

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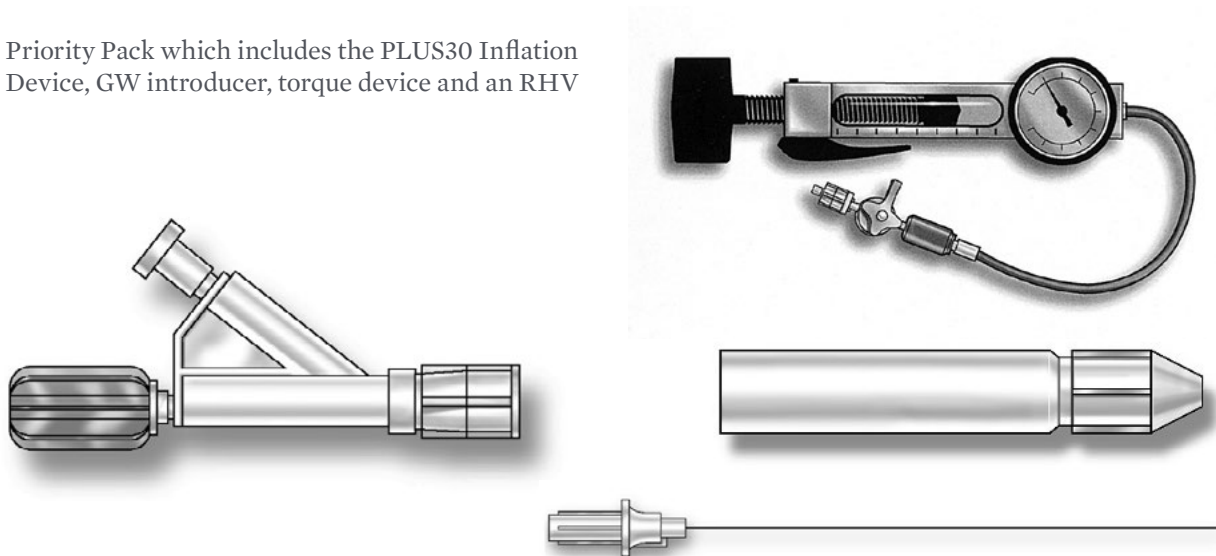


PTCA PRIORITY PACK

Accessory Kits

BLOOD LOSS MINIMIZATION FOR A CLEANER, SAFER PROCEDURE

- Priority Pack which includes the PLUS30 Inflation Device, GW introducer, torque device and an RHV



ORDERING INFORMATION

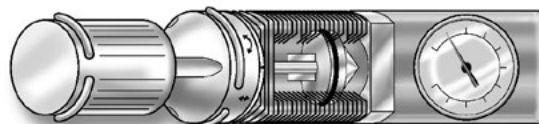
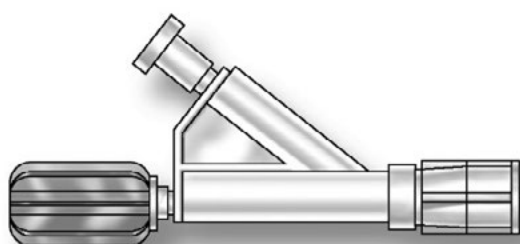
PTCA PRIORITY PACK					
PRODUCT CODE	DESCRIPTION	SYRINGE (CC)	GAUGE (ATM)	DIAMETER (IN/MM)	GUIDE WIRES (IN/MM)
1000185	Indeflator Plus 30 Inflation Device 0.096 Rotating Hemostatic Valve Guide Wire Introducer Torque Device	20	30	0.096/2.44	0.010 – 0.018/0.25 – 0.45 0.010 – 0.018/0.25 – 0.45

PRIORITY PACK 20/30 WITH RHV

Accessory Kits

BLOOD LOSS MINIMIZATION FOR A CLEANER, SAFER PROCEDURE

- Priority Pack which includes the 20/30 Inflation Device, GW introducer, torque device and an RHV



ORDERING INFORMATION

20/30 PRIORITY PACK WITH RHV (ROTATING HEMOSTATIC VALVE)					
PRODUCT CODE	DESCRIPTION	SYRINGE (CC)	GAUGE (ATM)	DIAMETER (IN/MM)	GUIDE WIRES (IN/MM)
1000186	20/30 Indeflator Inflation Device 0.096 Rotating Hemostatic Valve Guide Wire Introducer Torque Device	20	30	0.096/2.44	0.010 – 0.018/0.25 – 0.45 0.010 – 0.018/0.25 – 0.45
1000186-115	20/30 Indeflator Inflation Device 0.115 Rotating Hemostatic Valve Guide Wire Introducer Torque Device	20	30	0.115/2.92	0.010 – 0.018/0.25 – 0.45 0.010 – 0.018/0.25 – 0.45

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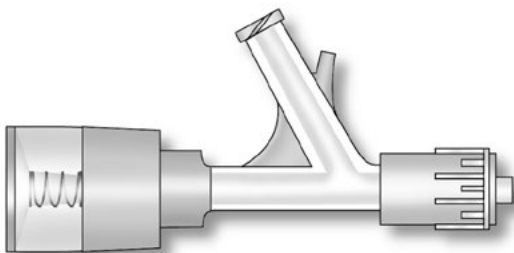
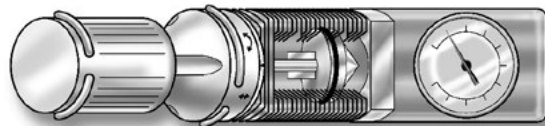
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PRIORITY PACK 20/30 WITH COPILOT™ BLEEDBACK CONTROL VALVE

Accessory Kits

BLOOD LOSS MINIMIZATION FOR A CLEANER, SAFER PROCEDURE

- Priority Pack which includes the 20/30 Inflation Device, GW introducer, torque device and the COPILOT



ORDERING INFORMATION

20/30 PRIORITY PACK WITH RHV					
PRODUCT CODE	DESCRIPTION	SYRINGE (CC)	GAUGE (ATM)	DIAMETER (IN/MM)	GUIDE WIRES (IN/MM)
1003327	20/30 Indeflator Inflation Device Copilot Bleedback Control Valve Guide Wire Introducer Torque Device	20	30	0.096/2.44	0.010 – 0.018/0.25 – 0.45 0.010 – 0.018/0.25 – 0.45

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