

# PERIPHERAL PRODUCT CATALOGUE

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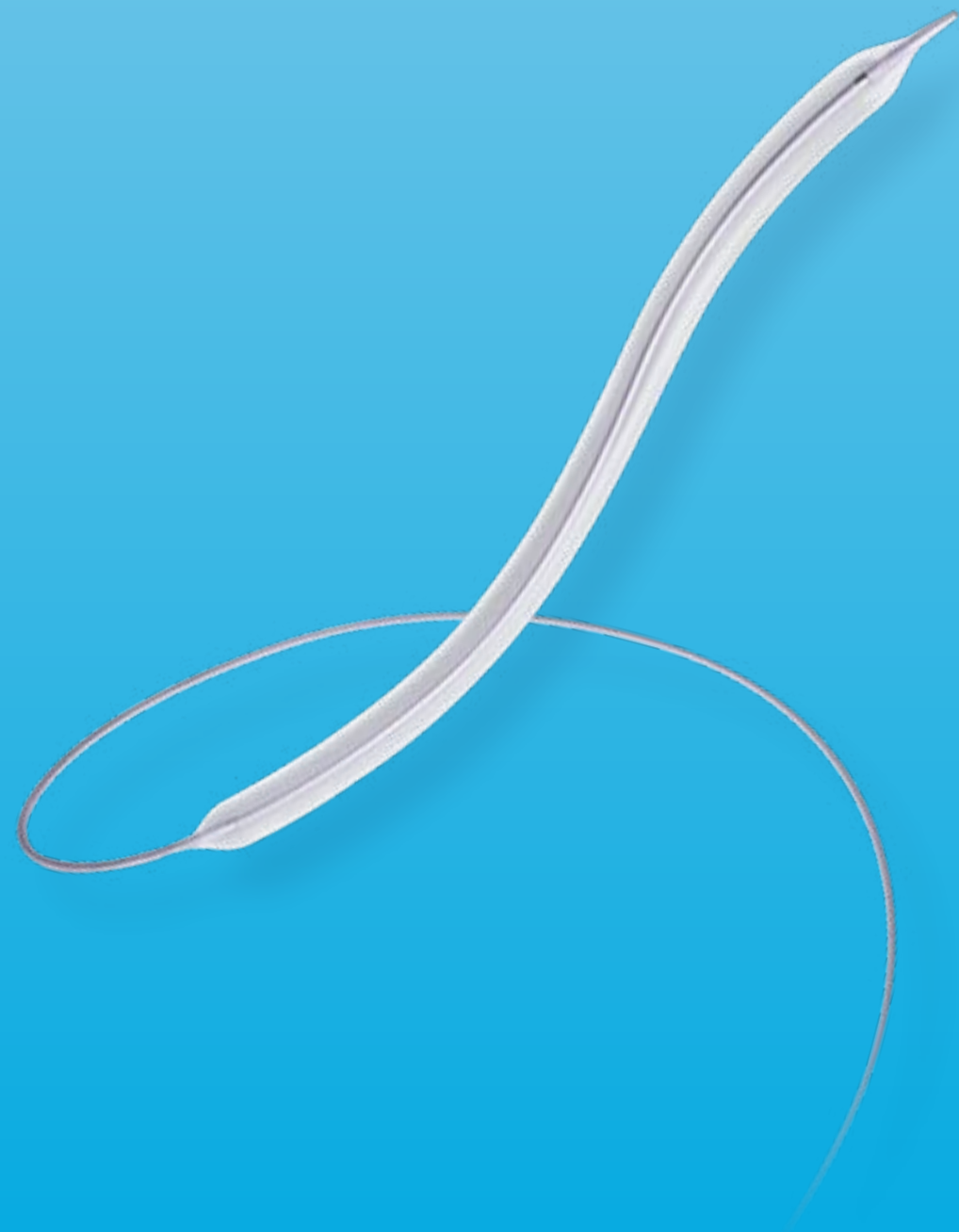
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**Medtronic**  
Further, Together

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BALLOONS

IN.PACT™ ADMIRAL™ >

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# DRUG COATED BALLOONS



# IN.PACT™ ADMIRAL™

## Paclitaxel-Eluting PTA Balloon Catheter 0.035"

### TECHNICAL SPECIFICATIONS

Catheter design	Over the Wire (OTW)
Balloon coating	FreePac – Paclitaxel and Urea (Excipient)
Usable shaft lengths	40, 80 and 130 cm
Introducer sheath compatibility	5, 6, 7 and 9F depending on balloon size
Max. recommended guidewire	0.035"
Nominal pressure	8 atm



# IN.PACT™ ADMIRAL™

## Paclitaxel-Eluting PTA Balloon Catheter 0.035"

### DURABLE

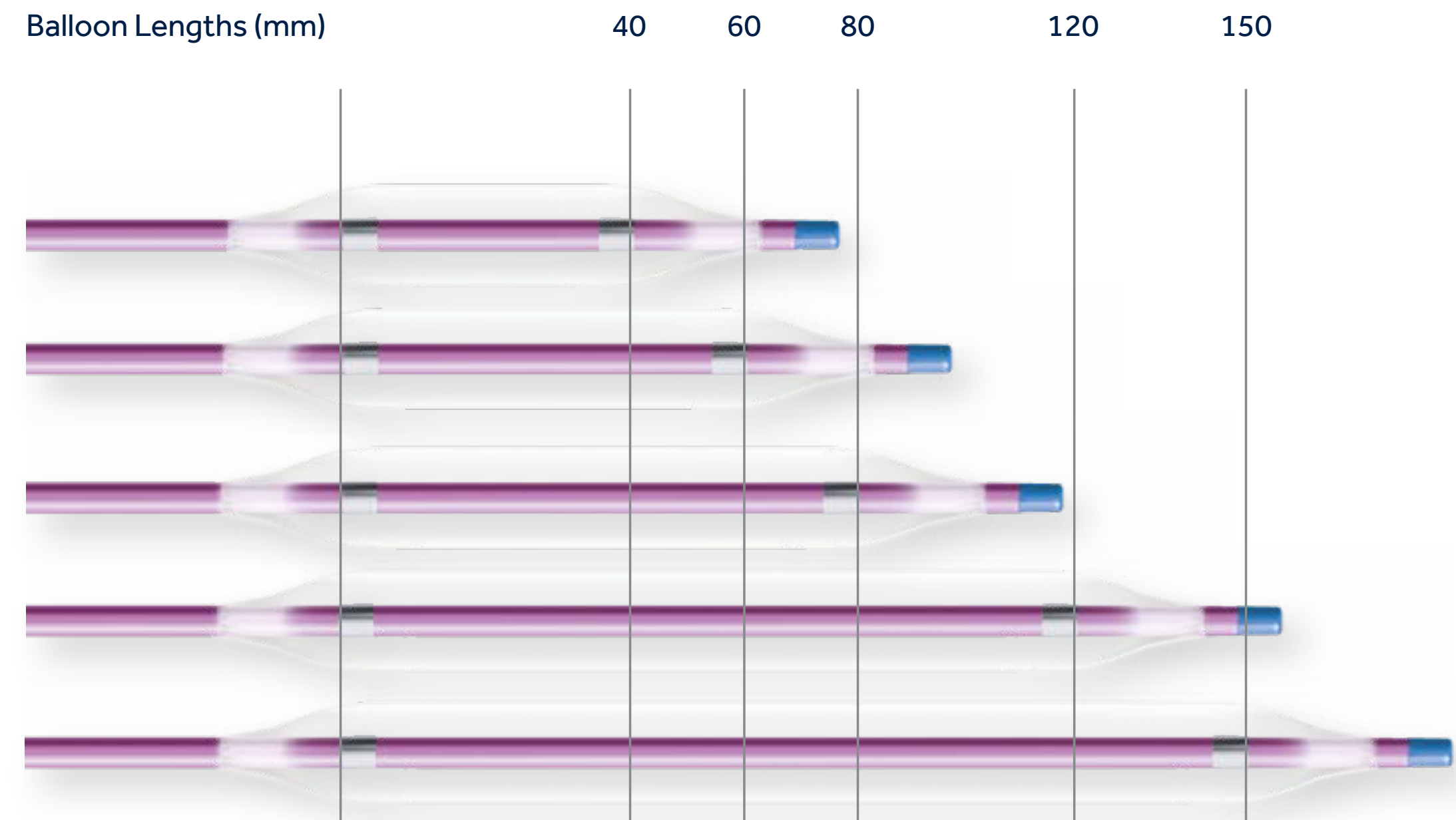
The IN.PACT™ Admiral™ is the only available DCB proven through 5 years: in the IN.PACT™ SFA Trial, the IN.PACT™ Admiral™ continued to outperform the PTA control arm in freedom from clinically-driven target lesion revascularization (CD-TLR) over the 5-year follow-up period.<sup>1</sup>

### CONSISTENT

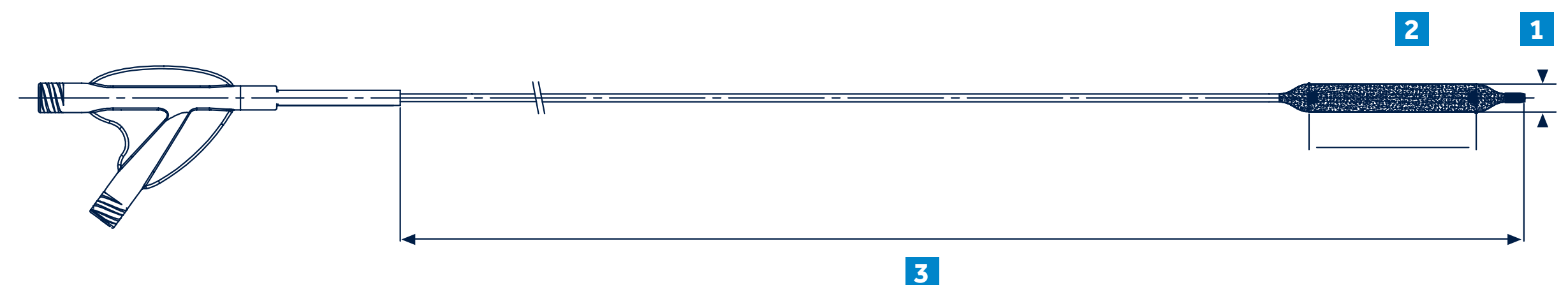
The IN.PACT™ Admiral™ demonstrates positive, consistent outcomes across trials, complex patients and lesion subgroups. In the IN.PACT™ Global Study 3-year results, IN.PACT™ Admiral™ has a durable long term treatment effect in a complex, real-world patient group with proven efficacy through 3 years.<sup>2</sup>

### SAFE

In the IN.PACT™ SFA Trial, IN.PACT™ Admiral™ has shown durable performance through 5 years with long-term safety benefits: no device or procedure-related deaths.<sup>1</sup>



1 Balloon Diameter 2 Balloon Length 3 Usable Length



The IN.PACT™ Admiral™ Drug-Coated Balloon (DCB) is a globally leading DCB used for the treatment of femoropopliteal disease and arteriovenous (AV) fistula dysfunction. Its drug formulation provides proven safety and sustained benefit while leaving future treatment options open.

<sup>1</sup> See Instructions for Use  
<sup>2</sup> J. Laird, IN.PACT SFA 5-year outcomes Vascular InterVentional Advances (VIVA), November 2018, Podium Presentation  
<sup>3</sup> G. Tepe, IN.PACT Global 3-year results Cardiovascular and Interventional Radiological Society of Europe (CIRSE), September 2018 Podium Presentation



# IN.PACT™ ADMIRAL™

## Paclitaxel-Eluting PTA Balloon Catheter 0.035"

### ORDER INFORMATION

Product Catalogue Number			Balloon Diameter (mm)	Balloon Length (mm)	Recommended Introducer Sheath (F)	RBP (atm)
Usable Length 40 cm	Usable Length 80 cm	Usable Length 130 cm				
SBI 040 040 04P	SBI 040 040 08P	SBI 040 040 13P	4	40	5	14
SBI 040 060 04P	SBI 040 060 08P	SBI 040 060 13P	4	60	5	14
SBI 040 080 04P	SBI 040 080 08P	SBI 040 080 13P	4	80	5	14
-	SBI 040 120 08P	SBI 040 120 13P	4	120	5	14
-	SBI 040 150 08P	SBI 040 150 13P	4	150	5	14
SBI 050 040 04P	SBI 050 040 08P	SBI 050 040 13P	5	40	6	14
SBI 050 060 04P	SBI 050 060 08P	SBI 050 060 13P	5	60	6	14
SBI 050 080 04P	SBI 050 080 08P	SBI 050 080 13P	5	80	6	14
-	SBI 050 120 08P	SBI 050 120 13P	5	120	6	14
-	SBI 050 150 08P	SBI 050 150 13P	5	150	6	14
SBI 060 040 04P	SBI 060 040 08P	SBI 060 040 13P	6	40	6	14
SBI 060 060 04P	SBI 060 060 08P	SBI 060 060 13P	6	60	6	14
SBI 060 080 04P	SBI 060 080 08P	SBI 060 080 13P	6	80	6	14
-	SBI 060 120 08P	SBI 060 120 13P	6	120	6	14
-	SBI 060 150 08P	SBI 060 150 13P	6	150	6	14
SBI 070 040 04P	SBI 070 040 08P	SBI 070 040 13P	7	40	7	14
SBI 070 060 04P	SBI 070 060 08P	SBI 070 060 13P	7	60	7	14
SBI 070 080 04P	SBI 070 080 08P	SBI 070 080 13P	7	80	7	14
SBI 080 040 04P	SBI 080 040 08P	SBI 080 040 13P	8	40	7	10
SBI 080 060 04P	SBI 080 060 08P	SBI 080 060 13P	8	60	7	10
SBI 080 080 04P	SBI 080 080 08P	SBI 080 080 13P	8	80	7	10
SBI 090 040 04P	SBI 090 040 08P	SBI 090 040 13P	9	40	7	10
SBI 090 060 04P	SBI 090 060 08P	SBI 090 060 13P	9	60	7	10
SBI 090 080 04P	SBI 090 080 08P	SBI 090 080 13P	9	80	7	10
SBI 100 040 04P	SBI 100 040 08P	SBI 100 040 13P	10	40	7	9
SBI 120 040 04P	SBI 120 040 08P	SBI 120 040 13P	12	40	9	9



DRUG COATED  
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IN.PACT™ PACIFIC™

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# IN.PACT™ PACIFIC™

## Paclitaxel-Eluting PTA Balloon Catheter 0.018"

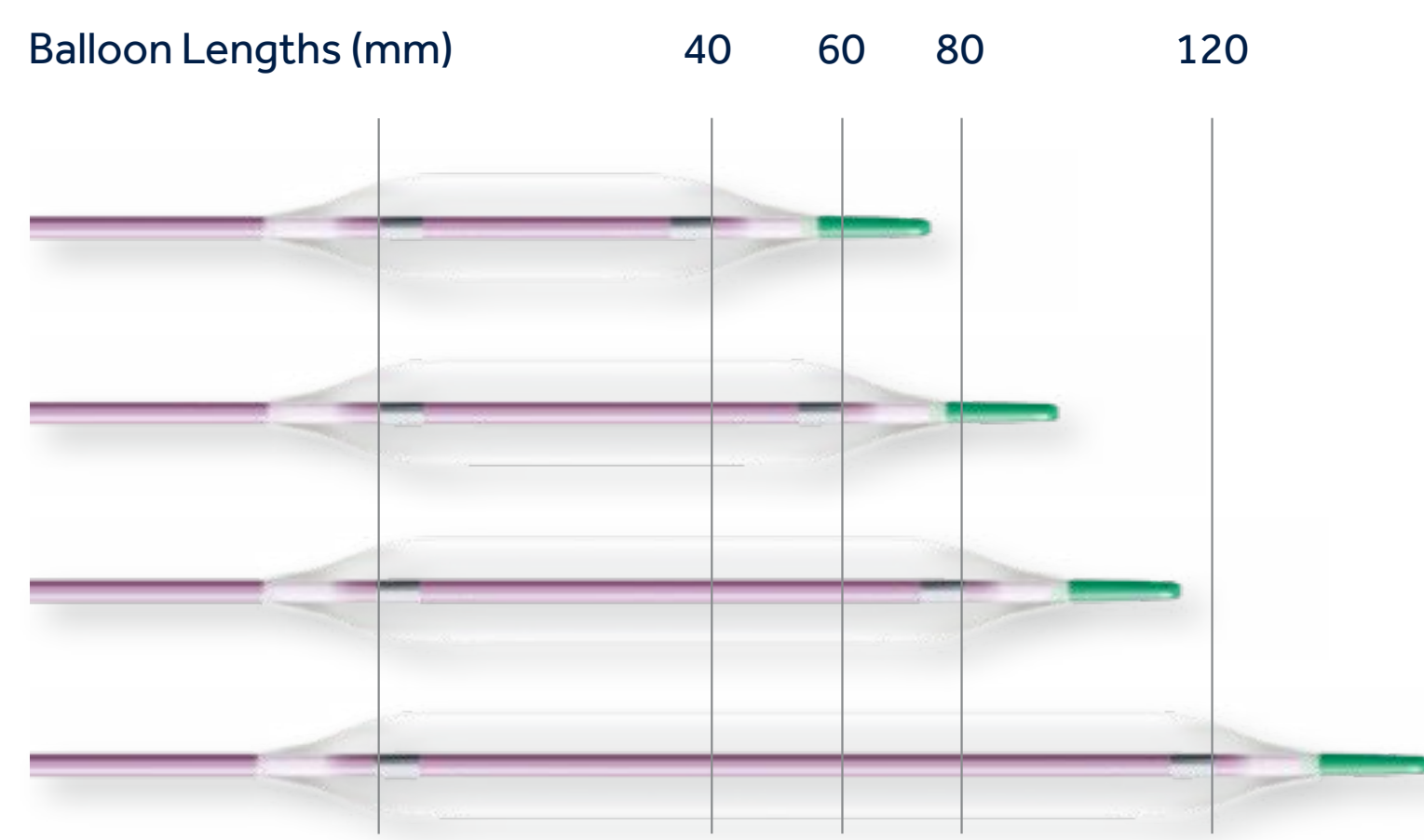
### TECHNICAL SPECIFICATIONS

Catheter design	Over the Wire (OTW)
Balloon coating	FreePac – Paclitaxel and Urea (Excipient)
Usable shaft lengths	90 and 130 cm
Introducer sheath compatibility	5 - 6 F depending on balloon size
Max. recommended guidewire	0.018"
Nominal pressure	7 atm

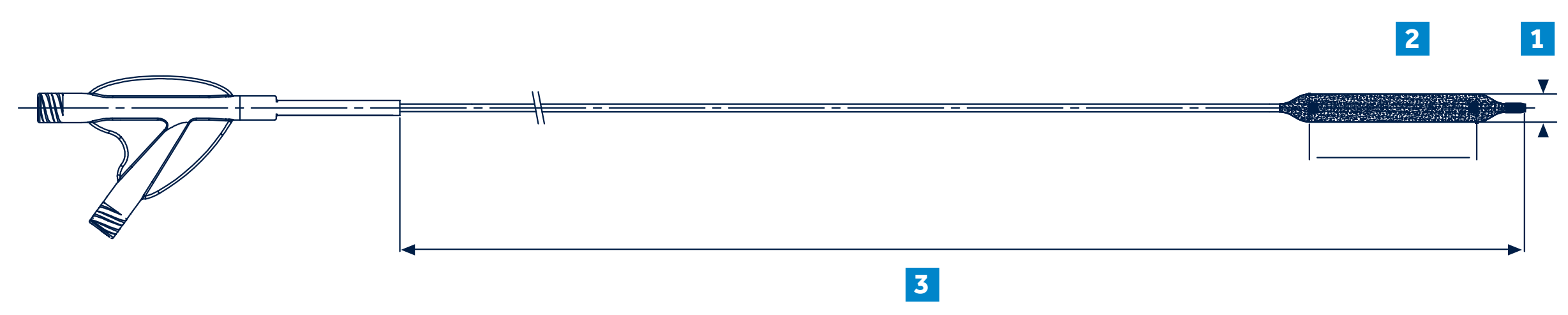


# IN.PACT™ PACIFIC™

## Paclitaxel-Eluting PTA Balloon Catheter 0.018"



1 Balloon Diameter 2 Balloon Length 3 Usable Length



The IN.PACT™ Pacific™ Drug-Eluting Balloon is a drug-eluting balloon indicated for percutaneous transluminal angioplasty (PTA) in patients with obstructive disease of superficial femoral or popliteal arteries. Its drug formulation provides proven safety and sustained benefit while leaving future treatment options open.



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# IN.PACT™ PACIFIC™

## Paclitaxel-Eluting PTA Balloon Catheter 0.018"

### ORDER INFORMATION

Product Catalogue Number		Balloon Diameter (mm)	Balloon Length (mm)	Recommended Introducer Sheath (F)	RBP (atm)
Usable Length 90 cm	Usable Length 130 cm				
PCF 040 040 09P	PCF 040 040 13P	4	40	5	20
PCF 040 060 09P	PCF 040 060 13P	4	60	5	14
PCF 040 080 09P	PCF 040 080 13P	4	80	5	14
PCF 040 120 09P	PCF 040 120 13P	4	120	5	14
PCF 050 040 09P	PCF 050 040 13P	5	40	5	20
PCF 050 060 09P	PCF 050 060 13P	5	60	5	14
PCF 050 080 09P	PCF 050 080 13P	5	80	5	14
PCF 050 120 09P	PCF 050 120 13P	5	120	5	14
PCF 060 040 09P	PCF 060 040 13P	6	40	5	16
PCF 060 060 09P	PCF 060 060 13P	6	60	5	14
PCF 060 080 09P	PCF 060 080 13P	6	80	5	14
PCF 060 120 09P	PCF 060 120 13P	6	120	5	14
PCF 070 040 09P	PCF 070 040 13P	7	40	6	12
PCF 070 060 09P	PCF 070 060 13P	7	60	6	12
PCF 070 080 09P	PCF 070 080 13P	7	80	6	12
PCF 070 120 09P	PCF 070 120 13P	7	120	6	12





# STENT SYSTEMS

DRUG COATED  
BALLOONS



STENT  
SYSTEMS

PROTÉGÉ™ RX™



PROTÉGÉ™ GPS™



EVERFLEX™



EVERFLEX™  
WITH ENTRUST™  
DELIVERY SYSTEM



VISIPRO™



PTA  
BALLOONS



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



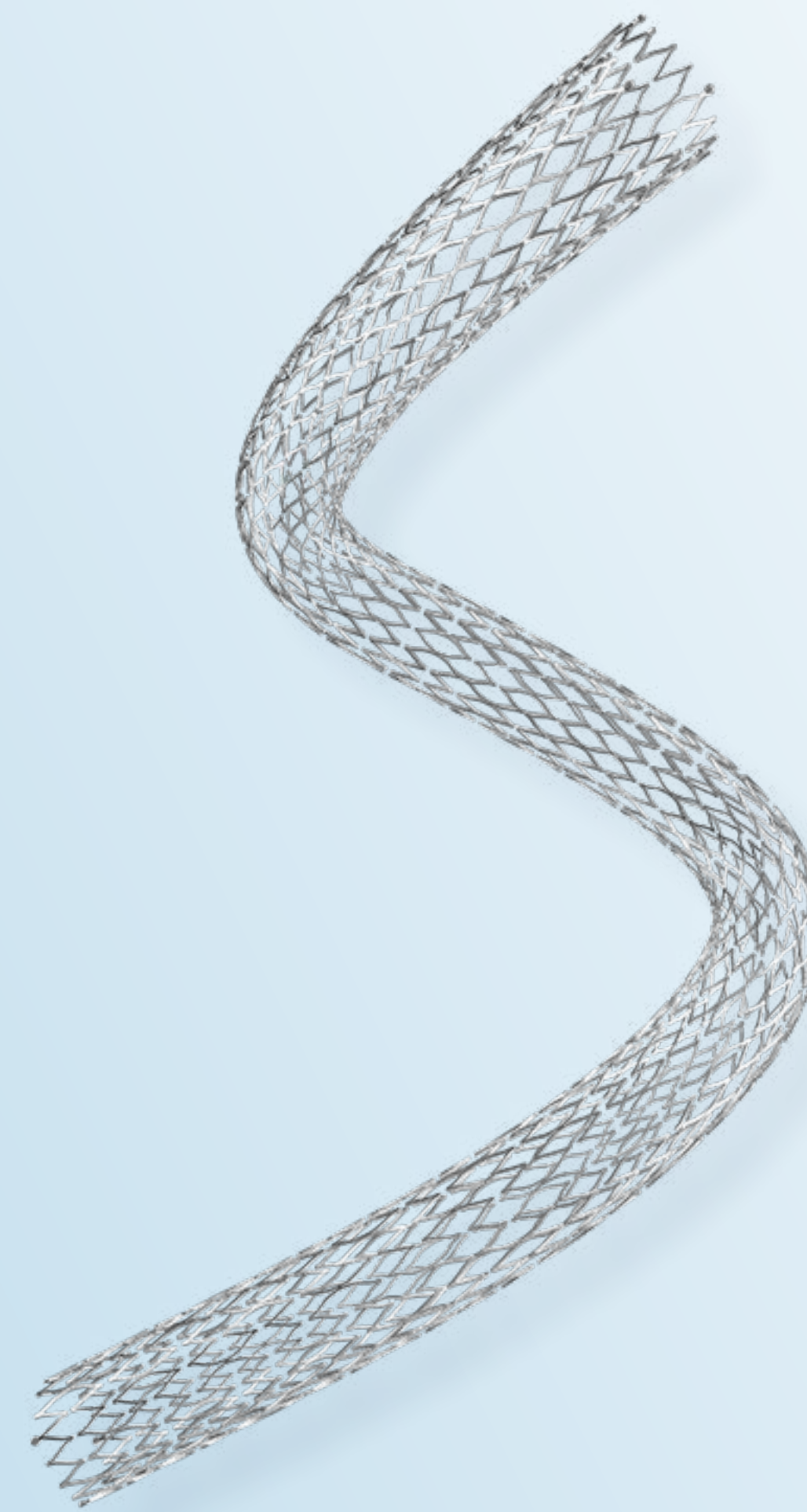
THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES





# PROTÉGÉ™ RX™

## Carotid Self-Expanding Stent System

The Protégé™ RX™ stent is the next generation stent designed for the anatomy of the carotid artery. Protégé™ RX™ provides control and accurate placement for carotid interventions.

### Predictable Deployment

- Proprietary EX.P.R.T.™ release technology essentially eliminates premature deployment or jumping
- No stent shortening
- Unique anatomically designed tapered stent for better fit in the carotid bifurcation
- 0.014" rapid exchange catheter with 6 F low crossing profile and flexible atraumatic tip
- Radiopaque marker on catheter clearly indicates tapered location for precise positioning

### Visible Results

- Tantalum GPS™ markers enhance visibility for precise positioning and result confirmation
- Cell design produces expansion force that resists compression while providing excellent wall apposition
- Straight and tapered options for customized fit in carotid vessels

Protégé RX 6 Fr/0.014" Catheter Length 135cm

### Each system includes:

One stent and delivery catheter system



DRUG COATED  
BALLOONS



STENT  
SYSTEMS

PROTÉGÉ™ RX™

PROTÉGÉ™ GPS™



EVERFLEX™



EVERFLEX™  
WITH ENTRUST™  
DELIVERY SYSTEM



VISIPRO™



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BALLOONS



DIRECTIONAL  
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CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



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# PROTÉGÉ™ RX™

## Carotid Self-Expanding Stent System

### ORDER INFORMATION

Product Catalogue Number	Stent Dimensions		Recommended Sheath Size (F)	Recommended Guidewire (inch)	Crossing Profile (inch)
Catheter Length 135cm	Diameter (mm)	Length (mm)			
<b>TAPERED</b>					
SEPX-8-6-30-135	8x6	30	6	0.014	0.078
SEPX-8-6-40-135	8x6	40	6	0.014	0.078
SEPX-10-7-30-135	10x7	30	6	0.014	0.078
SEPX-10-7-40-135	10x7	40	6	0.014	0.078
<b>STRAIGHT</b>					
SEPX-6-20-135	6	20	6	0.014	0.078
SEPX-7-20-135	7	20	6	0.014	0.078
SEPX-8-20-135	8	20	6	0.014	0.078
SEPX-9-20-135	9	20	6	0.014	0.078
SEPX-10-20-135	10	20	6	0.014	0.078
SEPX-6-30-135	6	30	6	0.014	0.078
SEPX-7-30-135	7	30	6	0.014	0.078
SEPX-8-30-135	8	30	6	0.014	0.078
SEPX-9-30-135	9	30	6	0.014	0.078
SEPX-10-30-135	10	30	6	0.014	0.078
SEPX-6-40-135	6	40	6	0.014	0.078
SEPX-7-40-135	7	40	6	0.014	0.078
SEPX-8-40-135	8	40	6	0.014	0.078
SEPX-9-40-135	9	40	6	0.014	0.078
SEPX-10-40-135	10	40	6	0.014	0.078
SEPX-6-60-135	6	60	6	0.014	0.078
SEPX-7-60-135	7	60	6	0.014	0.078
SEPX-8-60-135	8	60	6	0.014	0.078
SEPX-9-60-135	9	60	6	0.014	0.078
SEPX-10-60-135	10	60	6	0.014	0.078



1

2

INDICATIONS: The Protégé™ RX™ is indicated for use in the iliac or subclavian arteries in the palliative treatment of malignant neoplasms in the biliary tree. It is also indicated for treatment of stenoses of the common carotid artery (CCA), internal carotid artery (ICA) and carotid bifurcation.

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PROTÉGÉ™ GPS™

EVERFLEX™ >

EVERFLEX™  
WITH ENTRUST™  
DELIVERY SYSTEM >

VISIPRO™ >

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# PROTÉGÉ™ GPS™

## Self-Expanding Stent System

The Protégé™ GPS™ stent system gives control for precise stent placement avoiding jumping of the stent through the EX.P.R.T.™ retention system.

### Compact delivery

- Diameters up to 14 mm
- Full line is 6 F compatible

### Precision

- Proprietary EX.P.R.T.™ deployment system secures the stent to eliminate premature deployment or “jumping”
- Tantalum GPS markers enhance visibility for easier, precise positioning

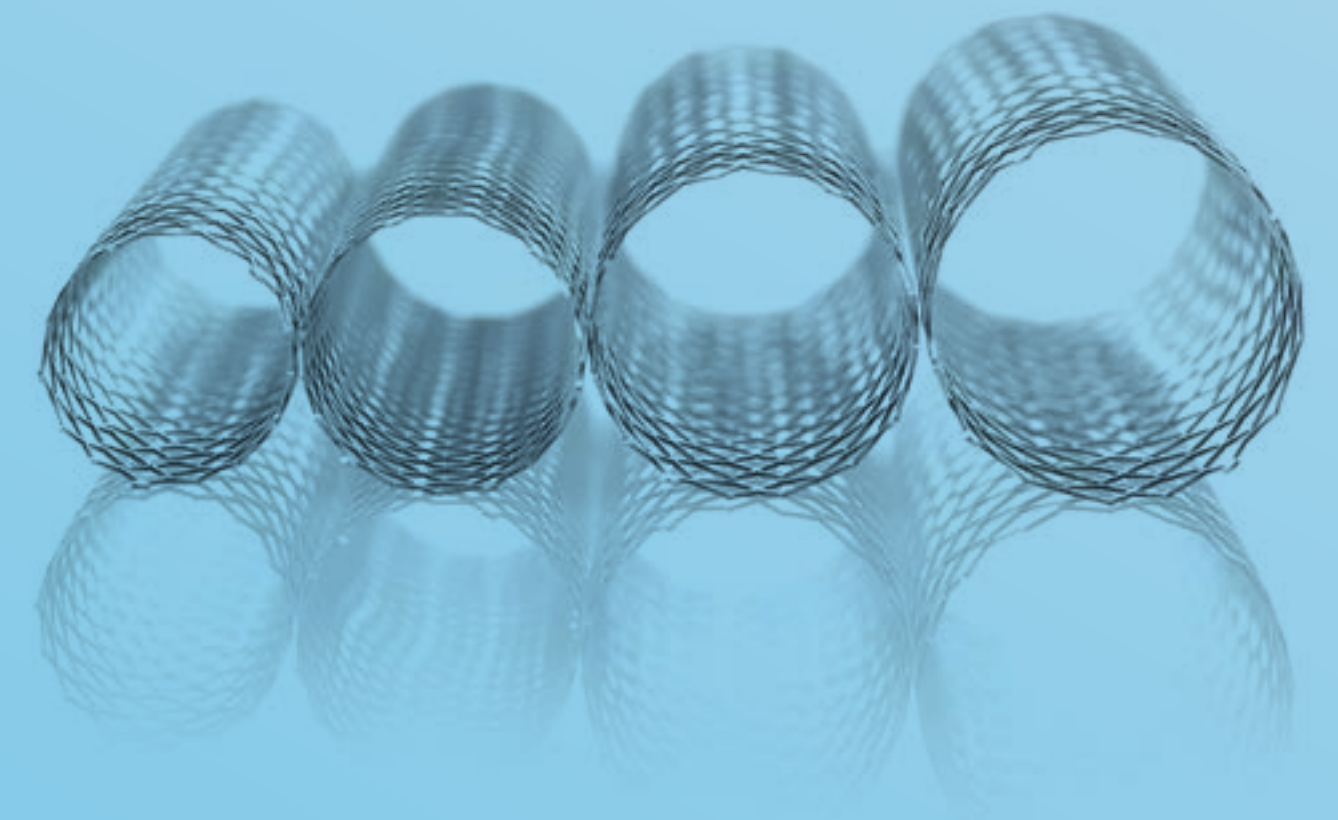
### Radial strength and flexibility

- Designed for radial strength without sacrificing flexibility

### Each system includes:

One stent and delivery catheter system

Protégé GPS catheter lengths 80 cm and 120 cm



# PROTÉGÉ™ GPS™

## Self-Expanding Stent System

DRUG COATED  
BALLOONS



STENT  
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PROTÉGÉ™ RX™



PROTÉGÉ™ GPS™

EVERFLEX™



EVERFLEX™  
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SNARES



### ORDER INFORMATION

Product Catalogue Number		Stent Dimensions		Recommended		Recommended Guidewire (inch)	Crossing Profile (inch)
Catheter Length 80 cm	Catheter Length 120 cm	Diameter (mm)	Length (mm)	Lumen Size (mm)	Sheath Size (F)		
SERP65-09-20-80	SERP65-09-20-120	9	20	7.5 - 8.5	6	0.035	0.079
SERP65-09-30-80	SERP65-09-30-120	9	30	7.5 - 8.5	6	0.035	0.079
SERP65-09-40-80	SERP65-09-40-120	9	40	7.5 - 8.5	6	0.035	0.079
SERP65-09-60-80	SERP65-09-60-120	9	60	7.5 - 8.5	6	0.035	0.079
SERP65-09-80-80	SERP65-09-80-120	9	80	7.5 - 8.5	6	0.035	0.079
SERP65-10-20-80	SERP65-10-20-120	10	20	8.5 - 9.5	6	0.035	0.079
SERP65-10-30-80	SERP65-10-30-120	10	30	8.5 - 9.5	6	0.035	0.079
SERP65-10-40-80	SERP65-10-40-120	10	40	8.5 - 9.5	6	0.035	0.079
SERP65-10-60-80	SERP65-10-60-120	10	60	8.5 - 9.5	6	0.035	0.079
SERP65-10-80-80	SERP65-10-80-120	10	80	8.5 - 9.5	6	0.035	0.079
SERP65-12-20-80	SERP65-12-20-120	12	20	9.5 - 11.0	6	0.035	0.079
SERP65-12-30-80	SERP65-12-30-120	12	30	9.5 - 11.0	6	0.035	0.079
SERP65-12-40-80	SERP65-12-40-120	12	40	9.5 - 11.0	6	0.035	0.079
SERP65-12-60-80	SERP65-12-60-120	12	60	9.5 - 11.0	6	0.035	0.079
SERP65-12-80-80	SERP65-12-80-120	12	80	9.5 - 11.0	6	0.035	0.079
SERP65-14-20-80	SERP65-14-20-120	14	20	11.5 - 13.0	6	0.035	0.079
SERP65-14-30-80	SERP65-14-30-120	14	30	11.5 - 13.0	6	0.035	0.079
SERP65-14-40-80	SERP65-14-40-120	14	40	11.5 - 13.0	6	0.035	0.079
SERP65-14-60-80	SERP65-14-60-120	14	60	11.5 - 13.0	6	0.035	0.079
SERP65-14-80-80	SERP65-14-80-120	14	80	11.5 - 13.0	6	0.035	0.079

Specifications Nominal  
INDICATIONS: The Protégé™ GPS™ stent is indicated for use in the iliac or subclavian arteries and malignant biliary use.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device.  
Protected under one or more of the following: US Patent 6,814,746; 6,749,627; 6,623,518; 6,623,491; 6,558,415; 6,358,274; 6,132,460; D458,679. Non-US Patent pending.  
Product availability and/or specifications subject to change.

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GUIDEWIRES



SNARES



# EVERFLEX™

## Self-Expanding Stent System

The EverFlex™ self-expanding peripheral stent system is a self-expanding nitinol stent system.

The spiral-cell interconnecting design significantly improves flexibility and vessel conformability, without sacrificing radial strength. Excellent wall apposition and compression resistance is provided by the three-wave peak design.

### Spiral cell connection

- Peak-to-peak connection nodes to disperse force uniformly

### Flexible design

- Improves fracture resistance and restores vessel patency

### Three-wave peak design

- Designed to resist compression and provide wall apposition

EverFlex™ catheter lengths: 80 cm and 120 cm



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DRUG COATED  
BALLOONS



# EVERFLEX™

## Self-Expanding Stent System

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GUIDEWIRES



SNARES



### ORDER INFORMATION

Product Catalogue Number		Stent Dimensions		Recommended		Recommended Guidewire (inch)	Crossing Profile (inch)
Catheter Length 80 cm	Catheter Length 120 cm	Diameter (mm)	Length (mm)	Lumen Size (mm)	Sheath Size (F)		
PRP35-05-020-080	PRP35-05-020-120	5	20	3.5 - 4.5	6	0.035	0.079
PRP35-05-030-080	PRP35-05-030-120	5	30	3.5 - 4.5	6	0.035	0.079
PRP35-05-040-080	PRP35-05-040-120	5	40	3.5 - 4.5	6	0.035	0.079
PRP35-05-060-080	PRP35-05-060-120	5	60	3.5 - 4.5	6	0.035	0.079
PRP35-05-080-080	PRP35-05-080-120	5	80	3.5 - 4.5	6	0.035	0.079
PRP35-05-100-080	PRP35-05-100-120	5	100	3.5 - 4.5	6	0.035	0.079
PRP35-05-120-080	PRP35-05-120-120	5	120	3.5 - 4.5	6	0.035	0.079
PRP35-05-150-080	PRP35-05-150-120	5	150	4.5 - 5.5	6	0.035	0.079
PRP35-06-020-080	PRP35-06-020-120	6	20	4.5 - 5.5	6	0.035	0.079
PRP35-06-030-080	PRP35-06-030-120	6	30	4.5 - 5.5	6	0.035	0.079
PRP35-06-040-080	PRP35-06-040-120	6	40	4.5 - 5.5	6	0.035	0.079
PRP35-06-060-080	PRP35-06-060-120	6	60	4.5 - 5.5	6	0.035	0.079
PRP35-06-080-080	PRP35-06-080-120	6	80	4.5 - 5.5	6	0.035	0.079
PRP35-06-100-080	PRP35-06-100-120	6	100	4.5 - 5.5	6	0.035	0.079
PRP35-06-120-080	PRP35-06-120-120	6	120	4.5 - 5.5	6	0.035	0.079
PRP35-06-150-080	PRP35-06-150-120	6	150	4.5 - 5.5	6	0.035	0.079
-	PRP35DR-06-200-120	6	200	4.5 - 5.5	6	0.035	0.079
PRP35-07-020-080	PRP35-07-020-120	7	20	5.5 - 6.5	6	0.035	0.079
PRP35-07-030-080	PRP35-07-030-120	7	30	5.5 - 6.5	6	0.035	0.079
PRP35-07-040-080	PRP35-07-040-120	7	40	5.5 - 6.5	6	0.035	0.079
PRP35-07-060-080	PRP35-07-060-120	7	60	5.5 - 6.5	6	0.035	0.079
PRP35-07-080-080	PRP35-07-080-120	7	80	5.5 - 6.5	6	0.035	0.079
PRP35-07-100-080	PRP35-07-100-120	7	100	5.5 - 6.5	6	0.035	0.079
PRP35-07-120-080	PRP35-07-120-120	7	120	5.5 - 6.5	6	0.035	0.079
PRP35-07-150-080	PRP35-07-150-120	7	150	5.5 - 6.5	6	0.035	0.079
-	PRP35DR-07-200-120	7	200	5.5 - 6.5	6	0.035	0.079
PRP35-08-020-080	PRP35-08-020-120	8	20	6.5 - 7.5	6	0.035	0.079
PRP35-08-030-080	PRP35-08-030-120	8	30	6.5 - 7.5	6	0.035	0.079
PRP35-08-040-080	PRP35-08-040-120	8	40	6.5 - 7.5	6	0.035	0.079
PRP35-08-060-080	PRP35-08-060-120	8	60	6.5 - 7.5	6	0.035	0.079
PRP35-08-080-080	PRP35-08-080-120	8	80	6.5 - 7.5	6	0.035	0.079
PRP35-08-100-080	PRP35-08-100-120	8	100	6.5 - 7.5	6	0.035	0.079
PRP35-08-120-080	PRP35-08-120-120	8	120	6.5 - 7.5	6	0.035	0.079
PRP35-08-150-080	PRP35-08-150-120	8	150	6.5 - 7.5	6	0.035	0.079
-	PRP35DR-08-200-120	8	200	6.5 - 7.5	6	0.035	0.079

1 2

INDICATIONS: The EverFlex™ self-expanding peripheral stent system is indicated for use in common iliac, external iliac, superficial femoral, proximal popliteal, and subclavian arteries.



DRUG COATED  
BALLOONS



STENT  
SYSTEMS

PROTÉGÉ™ RX™



PROTÉGÉ™ GPS™



EVERFLEX™



EVERFLEX™  
WITH ENTRUST™  
DELIVERY SYSTEM

VISIPRO™



PTA  
BALLOONS



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



# EVERFLEX™ WITH ENTRUST™ DELIVERY SYSTEM

## Self-Expanding Stent System

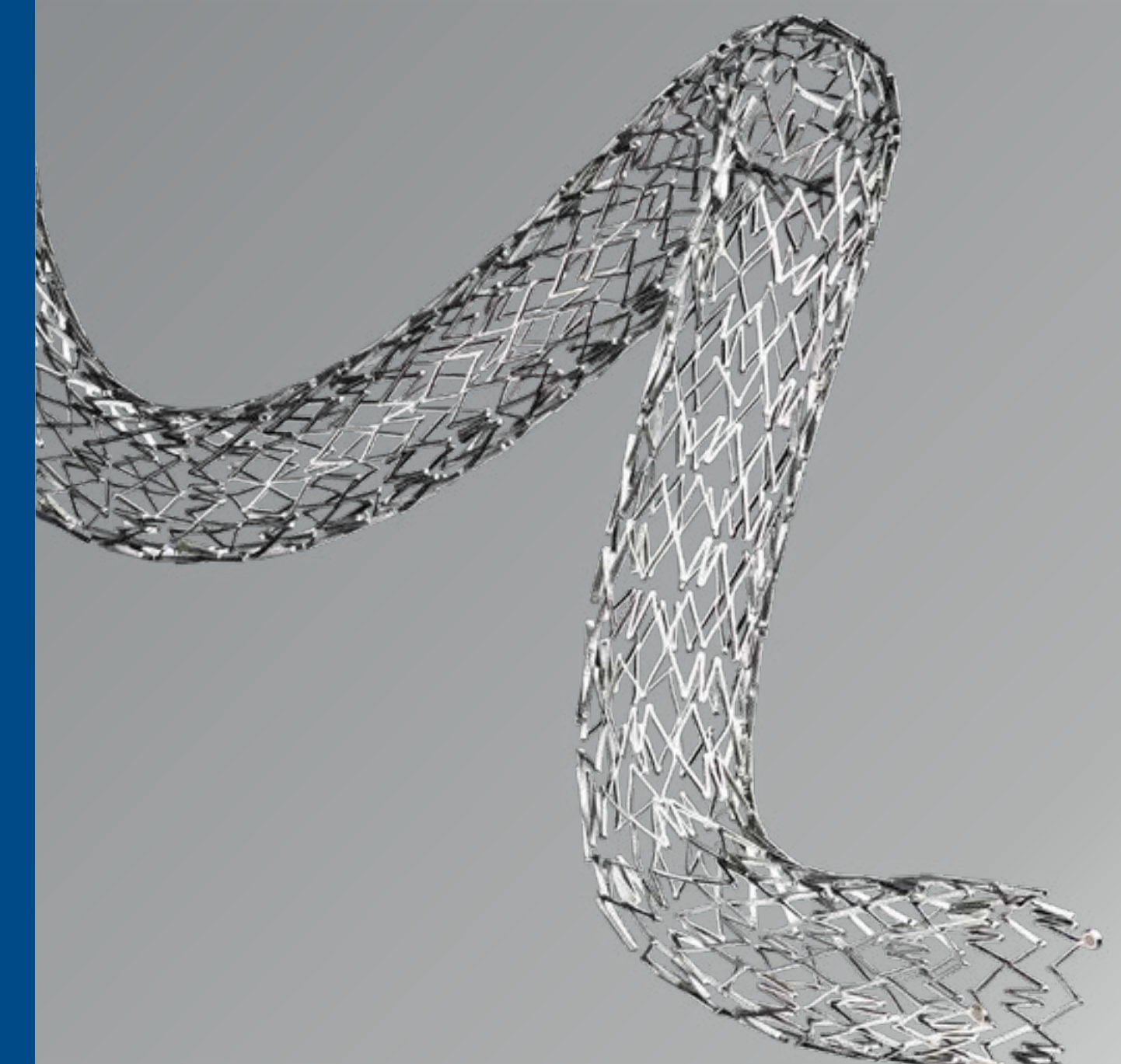
The Entrust™ delivery system is a one-handed, triaxialstent delivery system with a low 5 F profile.

This low profile was achieved without compromising the design of the EverFlex™ stent or the 0.035" guidewire compatibility.

The device was engineered specifically for control and accuracy based on physician feedback provided during extensive interviews and procedural observations.

The DURABILITY II study proves strong stent performance with a 60% primary patency at 3 years.

EverFlex™ Entrust™ catheter lengths: 80 cm, 120 cm, 150 cm.



1

2



DRUG COATED BALLOONS



STENT SYSTEMS

PROTÉGÉ™ RX™



PROTÉGÉ™ GPS™



EVERFLEX™



EVERFLEX™ WITH ENTRUST™ DELIVERY SYSTEM

VISIPRO™



PTA BALLOONS



DIRECTIONAL ATHERECTOMY



EMBOLIC PROTECTION DEVICES



CROSSING CATHETERS



CTO DEVICES



THROMBUS MANAGEMENT



GUIDEWIRES



SNARES



# EVERFLEX™ WITH ENTRUST™ DELIVERY SYSTEM

## Self-Expanding Stent System

### ORDER INFORMATION

Product Catalogue Number			Stent Dimensions (Unconstrained)		Size Compatibility		Guidewire Acceptance (inch)
Catheter Length 80 cm	Catheter Length 120 cm	Catheter Length 150 cm	Diameter (mm)	Length (mm)	Vessel Size (mm)	Sheath / Guide (F)	
EVX35-05-020-080	EVX35-05-020-120	EVX35-05-020-150	5	20	3.5 - 4.5	5	0.035
EVX35-05-040-080	EVX35-05-040-120	EVX35-05-040-150	5	40	3.5 - 4.5	5	0.035
EVX35-05-060-080	EVX35-05-060-120	EVX35-05-060-150	5	60	3.5 - 4.5	5	0.035
EVX35-05-080-080	EVX35-05-080-120	EVX35-05-080-150	5	80	3.5 - 4.5	5	0.035
EVX35-05-100-080	EVX35-05-100-120	EVX35-05-100-150	5	100	3.5 - 4.5	5	0.035
EVX35-05-120-080	EVX35-05-120-120	EVX35-05-120-150	5	120	3.5 - 4.5	5	0.035
EVX35-05-150-080	EVX35-05-150-120	EVX35-05-150-150	5	150	3.5 - 4.5	5	0.035
EVX35-06-020-080	EVX35-06-020-120	EVX35-06-020-150	6	20	4.5 - 5.5	5	0.035
EVX35-06-040-080	EVX35-06-040-120	EVX35-06-040-150	6	40	4.5 - 5.5	5	0.035
EVX35-06-060-080	EVX35-06-060-120	EVX35-06-060-150	6	60	4.5 - 5.5	5	0.035
EVX35-06-080-080	EVX35-06-080-120	EVX35-06-080-150	6	80	4.5 - 5.5	5	0.035
EVX35-06-100-080	EVX35-06-100-120	EVX35-06-100-150	6	100	4.5 - 5.5	5	0.035
EVX35-06-120-080	EVX35-06-120-120	EVX35-06-120-150	6	120	4.5 - 5.5	5	0.035
EVX35-06-150-080	EVX35-06-150-120	EVX35-06-150-150	6	150	4.5 - 5.5	5	0.035
EVX35-07-020-080	EVX35-07-020-120	EVX35-07-020-150	7	20	5.5 - 6.5	5	0.035
EVX35-07-040-080	EVX35-07-040-120	EVX35-07-040-150	7	40	5.5 - 6.5	5	0.035
EVX35-07-060-080	EVX35-07-060-120	EVX35-07-060-150	7	60	5.5 - 6.5	5	0.035
EVX35-07-080-080	EVX35-07-080-120	EVX35-07-080-150	7	80	5.5 - 6.5	5	0.035
EVX35-07-100-080	EVX35-07-100-120	EVX35-07-100-150	7	100	5.5 - 6.5	5	0.035
EVX35-07-120-080	EVX35-07-120-120	EVX35-07-120-150	7	120	5.5 - 6.5	5	0.035
EVX35-07-150-080	EVX35-07-150-120	EVX35-07-150-150	7	150	5.5 - 6.5	5	0.035
EVX35-08-020-080	EVX35-08-020-120	EVX35-08-020-150	8	20	6.5 - 7.5	5	0.035
EVX35-08-040-080	EVX35-08-040-120	EVX35-08-040-150	8	40	6.5 - 7.5	5	0.035
EVX35-08-060-080	EVX35-08-060-120	EVX35-08-060-150	8	60	6.5 - 7.5	5	0.035
EVX35-08-080-080	EVX35-08-080-120	EVX35-08-080-150	8	80	6.5 - 7.5	5	0.035
EVX35-08-100-080	EVX35-08-100-120	EVX35-08-100-150	8	100	6.5 - 7.5	5	0.035
EVX35-08-120-080	EVX35-08-120-120	EVX35-08-120-150	8	120	6.5 - 7.5	5	0.035
EVX35-08-150-080	EVX35-08-150-120	EVX35-08-150-150	8	150	6.5 - 7.5	5	0.035

1 2

INDICATIONS: The stent is indicated for use in occlusions, lesions at high risk for abrupt closure or threatened closure following percutaneous transluminal angioplasty (PTA), or lesions believed to be at high risk for restenosis following PTA in the common iliac, external iliac, superficial femoral, proximal popliteal, or subclavian arteries. Stenting is intended to improve and maintain artery luminal diameter.



DRUG COATED  
BALLOONS



# VISI<sup>PRO</sup><sup>TM</sup>

## Balloon-Expandable Peripheral Stent System

STENT  
SYSTEMS

PROTÉGÉ<sup>TM</sup> RX<sup>TM</sup>



PROTÉGÉ<sup>TM</sup> GPS<sup>TM</sup>



EVERFLEX<sup>TM</sup>



EVERFLEX<sup>TM</sup>  
WITH ENTRUST<sup>TM</sup>  
DELIVERY SYSTEM



VISI<sup>PRO</sup><sup>TM</sup>

PTA  
BALLOONS



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



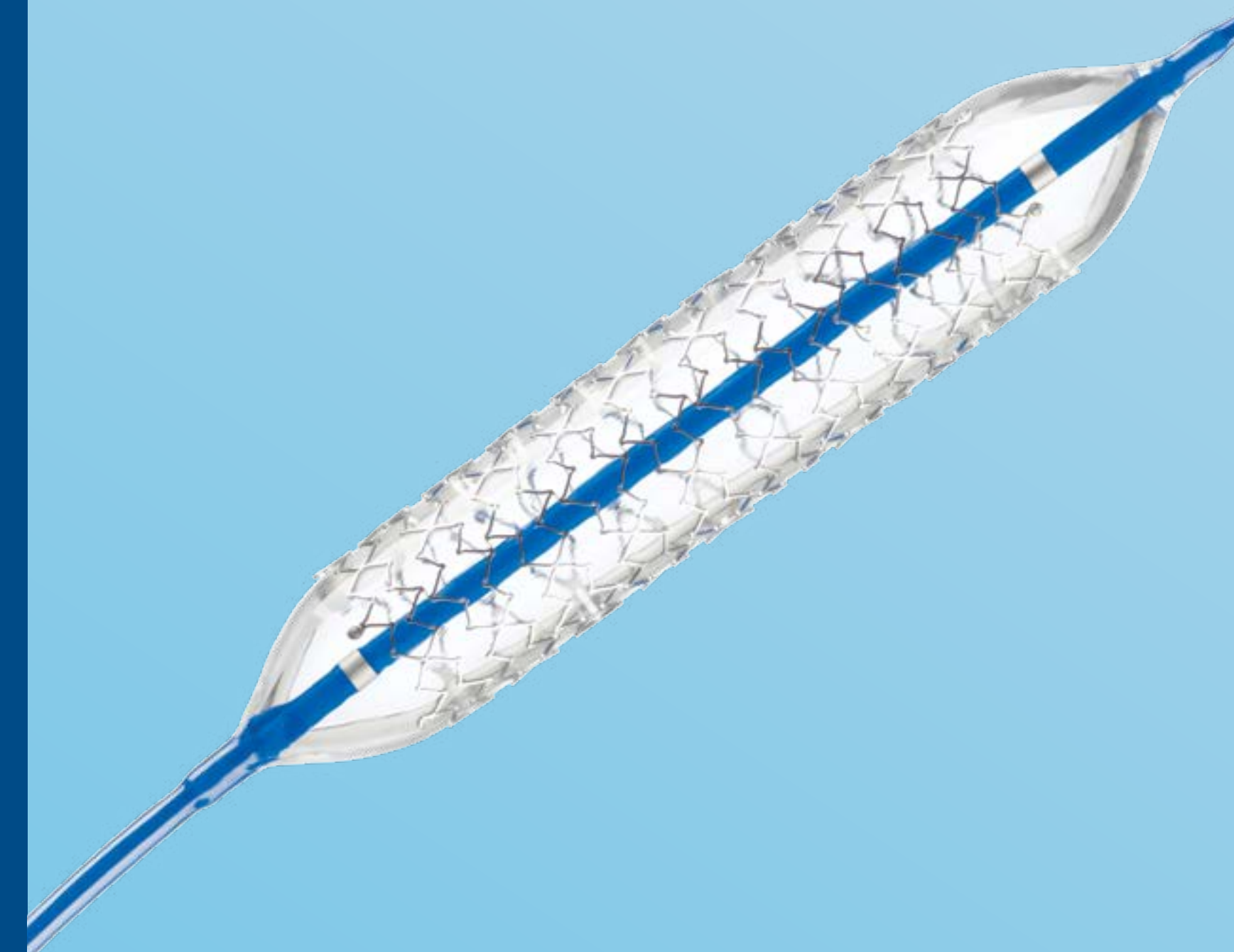
- Broad offering of 6 Fr compatible 0.035" balloon-expandable stent with radiopaque marker technology for optimized visibility
- Low crossing profile
- Minimal shortening for placement confidence

VisiPro<sup>TM</sup> catheter lengths: 80 cm and 135 cm

**Each system includes:**  
One stent and delivery catheter system

### COMPLIANCE CHART

Diameter (mm)	Inflation Pressure (atm)				
	8	9	10	11	12
5.0	5.00 <sup>1</sup>	5.09	5.16	5.22	5.28 <sup>2</sup>
6.0	6.00 <sup>1</sup>	6.11	6.22	6.31	6.39 <sup>2</sup>
7.0			7.00 <sup>1</sup>	7.09	7.17 <sup>2</sup>
8.0			8.00 <sup>1</sup>	8.15	8.26 <sup>2</sup>
9.0			9.00 <sup>1</sup>	9.15	9.28 <sup>2</sup>
10.0			10.00 <sup>1</sup>	10.11	10.21 <sup>2</sup>



1

2

<sup>1</sup>Diameter at Nominal Pressure  
<sup>2</sup>Diameter at Rated Burst Pressure

DRUG COATED  
BALLOONS



# VISIPRO™

## Balloon-Expandable Peripheral Stent System

STENT  
SYSTEMS

PROTÉGÉ™ RX™



PROTÉGÉ™ GPS™



EVERFLEX™



EVERFLEX™  
WITH ENTRUST™  
DELIVERY SYSTEM



VISIPRO™

PTA  
BALLOONS



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



### ORDER INFORMATION

Product Catalogue Number		Stent dimensions		Balloon Length (mm)	Recommended Sheath Size (F)	Recommended Guidewire (inch)
Catheter Length 80 cm	Catheter Length 135 cm	Diameter (mm)	Length (mm)			
PXP35-05-12-080		5	12	15	6*	0.035
PXP35-05-17-080	PXP35-05-17-135	5.0	17	20	6*	0.035
PXP35-05-27-080	PXP35-05-27-135	5.0	27	30	6*	0.035
PXP35-05-37-080	PXP35-05-37-135	5.0	37	40	6*	0.035
PXP35-05-57-080	PXP35-05-57-135	5.0	57	60	6*	0.035
PXP35-06-12-080		6.0	12	15	6*	0.035
PXP35-06-17-080	PXP35-06-17-135	6.0	17	20	6*	0.035
PXP35-06-27-080	PXP35-06-27-135	6.0	27	30	6*	0.035
PXP35-06-37-080	PXP35-06-37-135	6.0	37	40	6*	0.035
PXP35-06-57-080	PXP35-06-57-135	6.0	57	60	6*	0.035
PXP35-07-12-080		7.0	12	15	6*	0.035
PXP35-07-17-080	PXP35-07-17-135	7.0	17	20	6*	0.035
PXP35-07-27-080	PXP35-07-27-135	7.0	27	30	6*	0.035
PXP35-07-37-080	PXP35-07-37-135	7.0	37	40	6*	0.035
PXP35-07-57-080	PXP35-07-57-135	7.0	57	60	6*	0.035
PXP35-08-17-080	PXP35-08-17-135	8.0	17	20	6*	0.035
PXP35-08-27-080	PXP35-08-27-135	8.0	27	30	6*	0.035
PXP35-08-37-080	PXP35-08-37-135	8.0	37	40	6*	0.035
PXP35-08-57-080	PXP35-08-57-135	8.0	57	60	6*	0.035
PXP35-09-17-080	PXP35-09-17-135	9.0	17	20	7	0.035
PXP35-09-27-080	PXP35-09-27-135	9.0	27	30	7	0.035
PXP35-09-37-080	PXP35-09-37-135	9.0	37	40	7	0.035
PXP35-09-57-080	PXP35-09-57-135	9.0	57	60	7	0.035
PXP35-10-17-080	PXP35-10-17-135	10.0	17	20	7	0.035
PXP35-10-27-080	PXP35-10-27-135	10.0	27	30	7	0.035
PXP35-10-37-080	PXP35-10-37-135	10.0	37	40	7	0.035
PXP35-10-57-080	PXP35-10-57-135	10.0	57	60	7	0.035

\*6F= 0.085" I.D.



Specifications Nominal  
Balloon Expandable Peripheral Stent System is indicated for use in the iliac, renal or subclavian arteries, as well as malignant biliary use.



# PTA BALLOONS

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS

ADMIRAL™ XTREME™



EVERCROSS™



FORTREX™



PACIFIC™ PLUS



PACIFIC™ XTREME™



SUBMARINE™ RAPIDO



AMPHIRION™ DEEP



NANOCROSS™ ELITE



RAPIDCROSS™



CHOCOLATE™



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



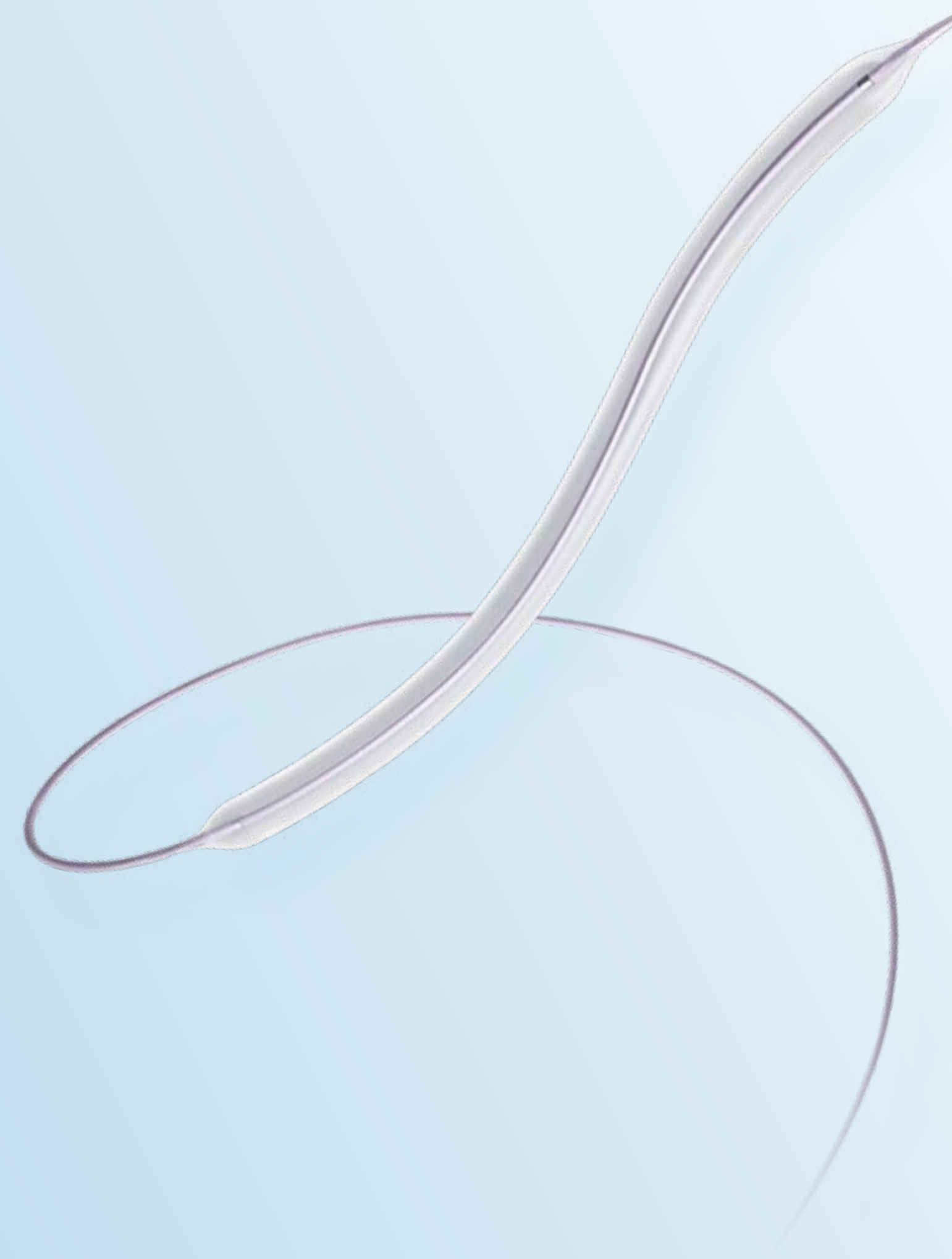
THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS

ADMIRAL™ XTREME™

EVERCROSS™



FORTREX™



PACIFIC™ PLUS



PACIFIC™ XTREME™



SUBMARINE™ RAPIDO



AMPHIRION™ DEEP



NANOCROSS™ ELITE



RAPIDCROSS™



CHOCOLATE™



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



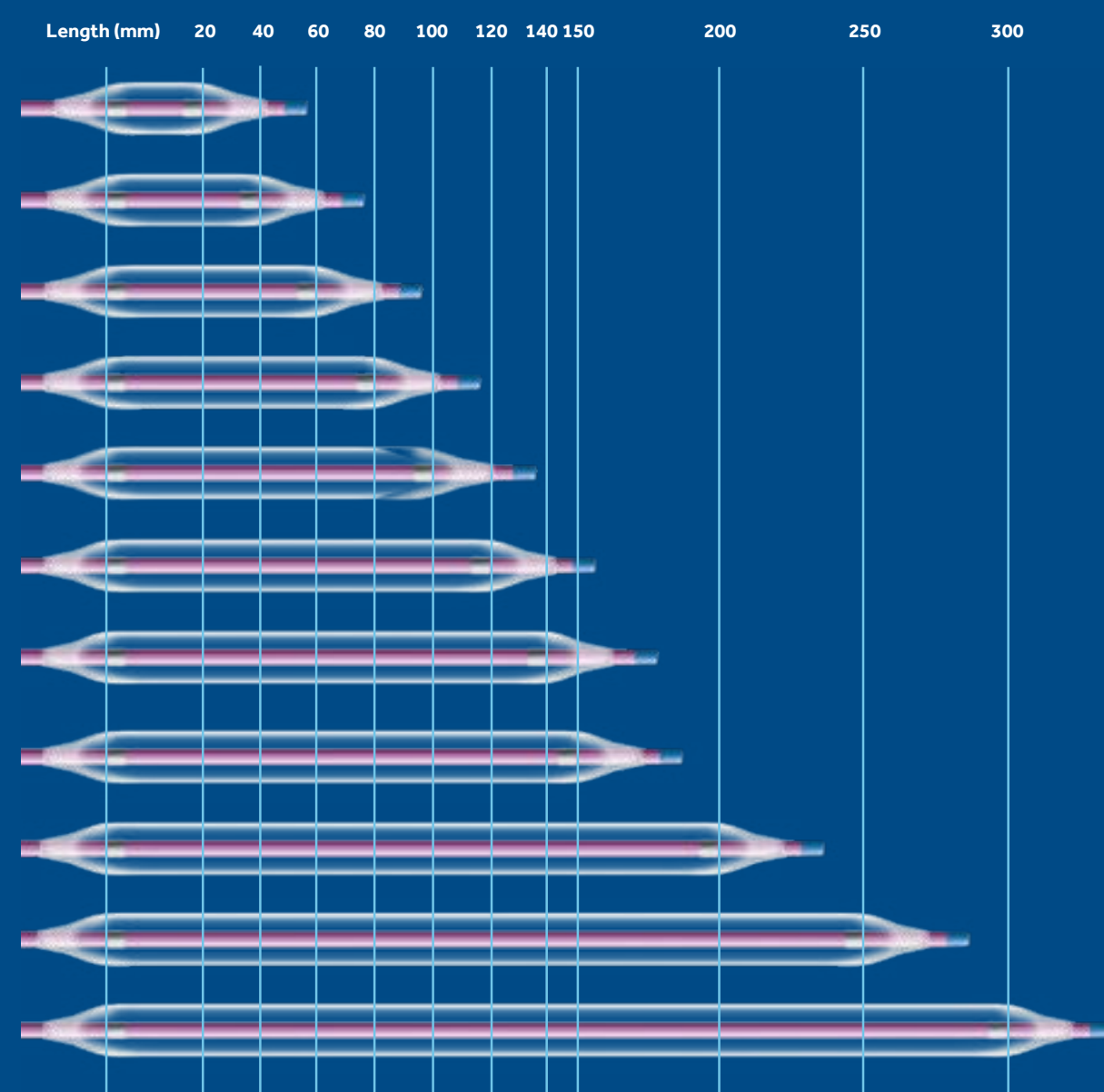
# ADMIRAL™ XTREME™

## PTA Balloon Catheter OTW 0.035"

### CROSS LESIONS WITH CONFIDENCE

#### TECHNICAL SPECIFICATIONS

Catheter design	Over the Wire (OTW)
Balloon coating	LFC Hydrophilic
Balloon marker	2 swaged (zero profile) platinum iridium
Shaft diameter	5 F – 5.3 F
Usable shaft lengths	80 cm, 130 cm, 150 cm
Introducer sheath compatibility	5 F – 6 F – 7 F
Guidewire compatibility	0.035"



DRUG COATED  
BALLOONS



STENT  
SYSTEMS



# ADMIRAL™ XTREME™

## PTA Balloon Catheter OTW 0.035"

PTA  
BALLOONS

ADMIRAL™ XTREME™

EVERCROSS™



FORTREX™



PACIFIC™ PLUS



PACIFIC™ XTREME™



SUBMARINE™ RAPIDO



AMPHIRION™ DEEP



NANOCROSS™ ELITE



RAPIDCROSS™



CHOCOLATE™



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



### ORDER INFORMATION

Ref No. Usable Length 80cm	Ref No. Usable Length 130cm	Ref No. Usable Length 150cm	Balloon Ø m m	Balloon Length	Recom. Introducer Sheath (F)	RBP (Bar)
SBI030020080	SBI030020130		3	20	5	18
SBI030040080	SBI030040130		3	40	5	18
SBI030080080	SBI030080130		3	80	5	18
SBI030100080	SBI030100130		3	100	5	18
SBI030120080	SBI030120130		3	120	5	18
SBI040020080	SBI040020130	SBI040020150	4	20	5	18
SBI040040080	SBI040040130	SBI040040150	4	40	5	18
SBI040060080	SBI040060130	SBI040060150	4	60	5	18
SBI040080080	SBI040080130	SBI040080150	4	80	5	18
SBI040100080	SBI040100130	SBI040100150	4	100	5	18
SBI040120080	SBI040120130	SBI040120150	4	120	5	18
SBI040150080	SBI040150130	SBI040150150	4	150	5	14
SBI040200080	SBI040200130	SBI040200150	4	200	5	14
SBI040250080	SBI040250130		4	250	5	14
SBI040300080	SBI040300130		4	300	5	14
SBI050020080	SBI050020130	SBI050020150	5	20	5	17
SBI050040080	SBI050040130	SBI050040150	5	40	5	17
SBI050060080	SBI050060130	SBI050060150	5	60	5	17
SBI050080080	SBI050080130	SBI050080150	5	80	5	15
SBI050100080	SBI050100130	SBI050100150	5	100	5	15
SBI050120080	SBI050120130	SBI050120150	5	120	5	15
SBI050150080	SBI050150130	SBI050150150	5	150	5	14
SBI050200080	SBI050200130	SBI050200150	5	200	5	14
SBI050250080	SBI050250130		5	250	5	14
SBI050300080L	SBI050300130L		5	300	5	14
SBI060020080	SBI060020130	SBI060020150	6	20	5	17
SBI060040080	SBI060040130	SBI060040150	6	40	5	17
SBI060060080	SBI060060130	SBI060060150	6	60	5	17

Ref No. Usable Length 80cm	Ref No. Usable Length 130cm	Ref No. Usable Length 150cm	Balloon Ø m m	Balloon Length	Recom. Introducer Sheath (F)	RBP (Bar)
SBI060080080	SBI060080130	SBI060080150	6	80	5	15
SBI060100080	SBI060100130	SBI060100150	6	100	5	15
SBI060120080	SBI060120130	SBI060120150	6	120	5	15
SBI060150080	SBI060150130	SBI060150150	6	150	5	12
SBI060200080L	SBI060200130L	SBI060200150	6	200	5	12
SBI060250080L	SBI060250130L		6	250	5	12
SBI060300080L	SBI060300130L		6	300	5	12
SBI070020080	SBI070020130	SBI070020150	7	20	5	16
SBI070040080	SBI070040130	SBI070040150	7	40	5	16
SBI070060080	SBI070060130	SBI070060150	7	60	5	14
SBI070080080	SBI070080130	SBI070080150	7	80	5	14
SBI070100080	SBI070100130	SBI070100150	7	100	5	12
SBI070120080L	SBI070120130L	SBI070120150	7	120	5	12
SBI070150080L	SBI070150130L	SBI070150150	7	150	5	12
SBI070200080L	SBI070200130L	SBI070200150	7	200	5	12
SBI070250080	SBI070250130		7	250	6	12
SBI080020080	SBI080020130		8	20	6	14
SBI080040080	SBI080040130		8	40	6	14
SBI080060080	SBI080060130		8	60	6	11
SBI080080080	SBI080080130		8	80	6	11
SBI090020080	SBI090020130		9	20	6	14
SBI090040080	SBI090040130		9	40	6	14
SBI090060080	SBI090060130		9	60	6	11
SBI090080080	SBI090080130		9	80	6	11
SBI100020080	SBI100020130		10	20	6	11
SBI100040080	SBI100040130		10	40	6	11
SBI120020080	SBI120020130		12	20	7	11
SBI120040080	SBI120040130		12	40	7	11



# EVERCROSS™

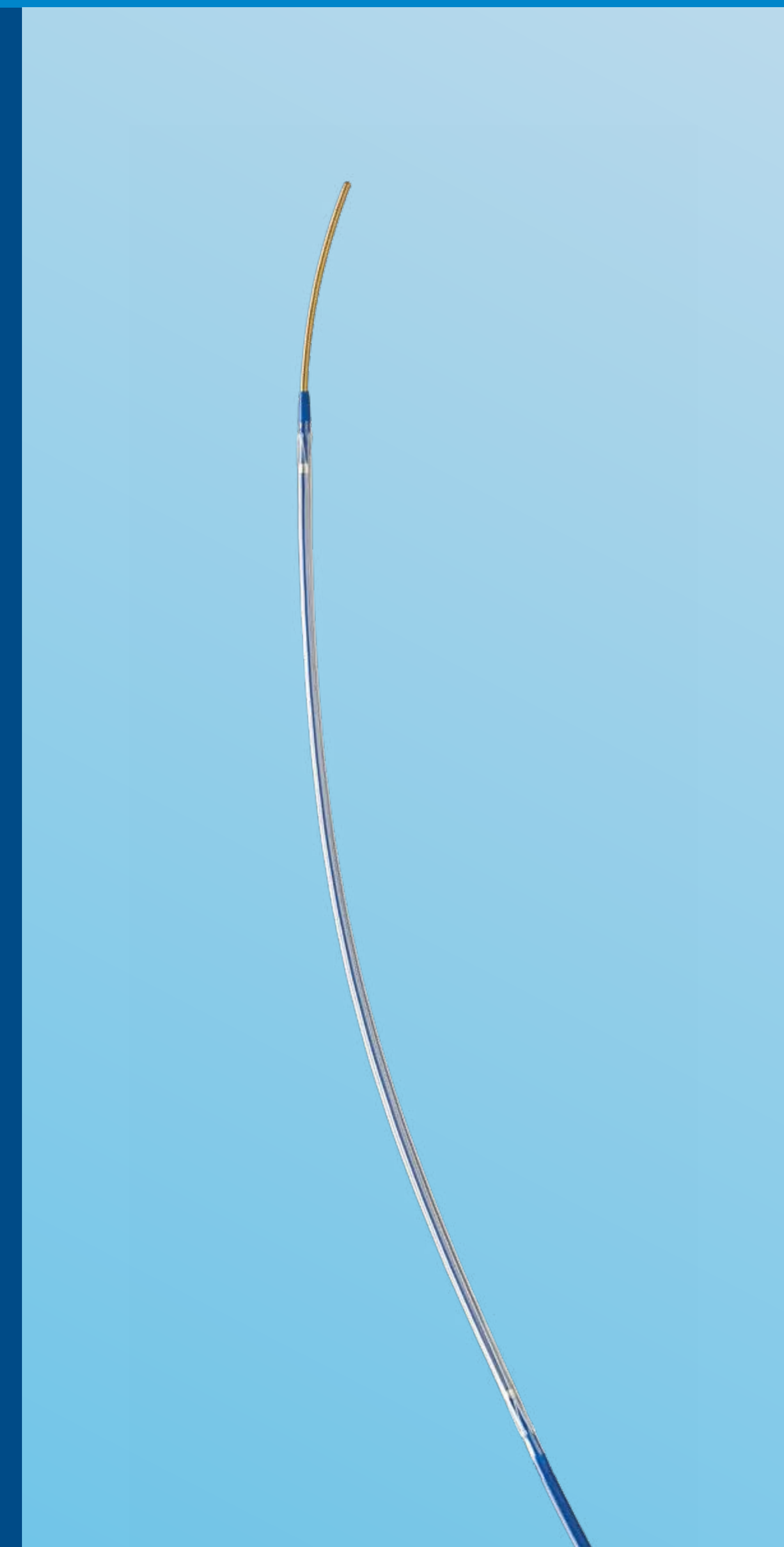
## OTW PTA Dilatation Catheter 0.035"

EverCross™ 0.035" PTA balloon is an over-the-wire, 0.035" balloon catheter that features a bevel 360° tip for smooth tip to wire tracking. EverCross™ nylon folds, extending the length of the balloon, were engineered for superior rewrap, facilitating multiple inflations and insertions.

**Each system includes:**  
One PTA balloon catheter and one compliance chart.

### TECHNICAL SPECIFICATIONS

Catheter design	Over-the-wire
Useable catheter lengths	40, 80 and 135cm
Introducer sheath compatibility	5, 6 F
Guidewire compatibility	0.035"



DRUG COATED  
BALLOONS >

STENT  
SYSTEMS >

PTA  
BALLOONS

ADMIRAL™ XTREME™ >

EVERCROSS™

FORTREX™ >

PACIFIC™ PLUS >

PACIFIC™ XTREME™ >

SUBMARINE™ RAPIDO >

AMPHIRION™ DEEP >

NANOCROSS™ ELITE >

RAPIDCROSS™ >

CHOCOLATE™ >

DIRECTIONAL  
ATHERECTOMY >

EMBOLIC  
PROTECTION  
DEVICES >

CROSSING  
CATHETERS >

CTO DEVICES >

THROMBUS  
MANAGEMENT >

GUIDEWIRES >

SNARES >

# EVERCROSS™

## OTW PTA Dilatation Catheter 0.035"

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS

ADMIRAL™ XTREME™



EVERCROSS™

FORTREX™



PACIFIC™ PLUS



PACIFIC™ XTREME™



SUBMARINE™ RAPIDO



AMPHIRION™ DEEP



NANOCROSS™ ELITE



RAPIDCROSS™



CHOCOLATE™



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



### ORDER INFORMATION

Product Catalogue Number			Balloon Diameter (mm)	Balloon Length (mm)	Nominal Pressure (atm)	Rated Burst Pressure (atm)	Recommended Introducer Sheath (Fr)
Usable Shaft Length 135cm	Usable Shaft Length 80cm	Usable Shaft Length 40cm					
AB35W03020135	AB35W03020080	-	3.0	20	10	20	5
AB35W03030135	AB35W03030080	-	3.0	30	10	20	5
AB35W03040135	AB35W03040080	-	3.0	40	10	20	5
AB35W03060135	AB35W03060080	-	3.0	60	10	20	5
AB35W03080135	AB35W03080080	-	3.0	80	10	20	5
AB35W03100135	AB35W03100080	-	3.0	100	10	20	5
AB35W03120135	AB35W03120080	-	3.0	120	10	20	5
AB35W03150135	AB35W03150080	-	3.0	150	10	20	5
AB35W03200135	AB35W03200080	-	3.0	200	10	20	5
AB35W04020135	AB35W04020080	-	4.0	20	10	20	5
AB35W04030135	AB35W04030080	-	4.0	30	10	20	5
AB35W04040135	AB35W04040080	-	4.0	40	10	20	5
AB35W04060135	AB35W04060080	-	4.0	60	10	20	5
AB35W04080135	AB35W04080080	-	4.0	80	10	20	5
AB35W04100135	AB35W04100080	-	4.0	100	10	20	5
AB35W04120135	AB35W04120080	-	4.0	120	10	20	5
AB35W04150135	AB35W04150080	-	4.0	150	10	20	5
AB35W04200135	AB35W04200080	-	4.0	200	10	20	5
AB35W05020135	AB35W05020080	AB35W05020040	5.0	20	10	18	5
AB35W05030135	AB35W05030080	AB35W05030040	5.0	30	10	18	5
AB35W05040135	AB35W05040080	AB35W05040040	5.0	40	10	18	5
AB35W05060135	AB35W05060080	AB35W05060040	5.0	60	10	18	5
AB35W05080135	AB35W05080080	AB35W05080040	5.0	80	10	18	5
AB35W05100135	AB35W05100080	-	5.0	100	10	18	5
AB35W05120135	AB35W05120080	AB35W05120040	5.0	120	10	16	5
AB35W05150135	AB35W05150080	-	5.0	150	10	16	5
AB35W05200135	AB35W05200080	-	5.0	200	10	16	5
AB35W06020135	AB35W06020080	AB35W06020040	6.0	20	8	14	5
AB35W06030135	AB35W06030080	-	6.0	30	8	14	5
AB35W06040135	AB35W06040080	AB35W06040040	6.0	40	8	14	5
AB35W06060135	AB35W06060080	-	6.0	60	8	14	5



# EVERCROSS™

## OTW PTA Dilatation Catheter 0.035"

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS

ADMIRAL™ XTREME™



EVERCROSS™

FORTREX™



PACIFIC™ PLUS



PACIFIC™ XTREME™



SUBMARINE™ RAPIDO



AMPHIRION™ DEEP



NANOCROSS™ ELITE



RAPIDCROSS™



CHOCOLATE™



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



### ORDER INFORMATION

Product Catalogue Number			Balloon Diameter (mm)	Balloon Length (mm)	Nominal Pressure (atm)	Rated Burst Pressure (atm)	Recommended Introducer Sheath (Fr)
Usable Shaft Length 135cm	Usable Shaft Length 80cm	Usable Shaft Length 40cm					
AB35W06080135	AB35W06080080	AB35W06080040	6.0	80	8	14	5
AB35W06100135	AB35W06100080	-	6.0	100	8	14	5
AB35W06120135	AB35W06120080	AB35W06120040	6.0	120	8	12	5
AB35W06150135	AB35W06150080	-	6.0	150	8	12	5
AB35W06200135	AB35W06200080	-	6.0	200	8	11	6
AB35W07020135	AB35W07020080	AB35W07020040	7.0	20	7	14	5
AB35W07030135	AB35W07030080	-	7.0	30	7	14	5
AB35W07040135	AB35W07040080	AB35W07040040	7.0	40	7	14	5
AB35W07060135	AB35W07060080	AB35W07060040	7.0	60	7	14	6
AB35W07080135	AB35W07080080	-	7.0	80	7	14	6
AB35W07100135	AB35W07100080	-	7.0	100	7	14	6
AB35W07120135	AB35W07120080	-	7.0	120	7	10	6
AB35W07150135	AB35W07150080	-	7.0	150	7	10	6
AB35W07200135	AB35W07200080	-	7.0	200	7	10	6
AB35W08020135	AB35W08020080	AB35W08020040	8.0	20	7	14	6
AB35W08030135	AB35W08030080	-	8.0	30	7	14	6
AB35W08040135	AB35W08040080	AB35W08040040	8.0	40	7	14	6
AB35W08060135	AB35W08060080	AB35W08060040	8.0	60	7	14	6
AB35W08080135	AB35W08080080	-	8.0	80	7	14	6
AB35W09020135	AB35W09020080	-	9.0	20	7	12	6
AB35W09030135	AB35W09030080	-	9.0	30	7	12	6
AB35W09040135	AB35W09040080	-	9.0	40	7	12	6
AB35W09060135	AB35W09060080	-	9.0	60	7	12	6
AB35W09080135	AB35W09080080	-	9.0	80	7	12	6
AB35W10020135	AB35W10020080	-	10.0	20	7	11	6
AB35W10030135	AB35W10030080	-	10.0	30	7	11	6
AB35W10040135	AB35W10040080	-	10.0	40	7	11	6
AB35W10060135	AB35W10060080	-	10.0	60	7	11	7
AB35W12020135	AB35W12020080	-	12.0	20	7	10	7
AB35W12040135	AB35W12040080	-	12.0	40	7	10	7
AB35W12060135	AB35W12060080	-	12.0	60	7	10	7

1 2 3

INDICATIONS: The EverCross™ 0.035" over-the-wire PTA dilatation catheter is intended to dilate stenoses in the iliac, femoral, ilio-femoral, popliteal, infra-popliteal, renal arteries and for the treatment of obstructive lesions of native or synthetic arteriovenous dialysis fistulae. This device is also indicated for stent post-dilatation in the peripheral vasculature.

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS

ADMIRAL™ XTREME™



EVERCROSS™



FORTREX™

PACIFIC™ PLUS



PACIFIC™ XTREME™



SUBMARINE™ RAPIDO



AMPHIRION™ DEEP



NANOCROSS™ ELITE



RAPIDCROSS™



CHOCOLATE™



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



# FORTREX™

## PTA Balloon Catheter OTW 0.035"

### Predictable high-pressure treatment for AV access lesions

The high-pressure Fortrex™ PTA Balloon is the next-generation solution for deliverability, predictability, and procedural efficiency.

#### Deliverability

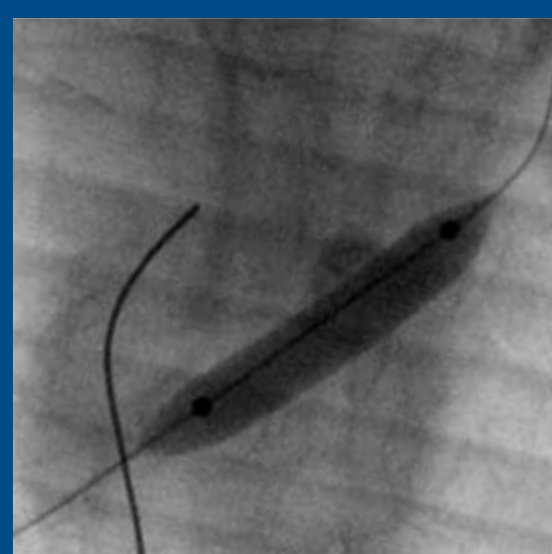
- Low tip entry profile enables tight tracking on the wire
- Robust, flexible shaft design facilitates successful navigation in tortuous vessels

#### Procedural efficiency

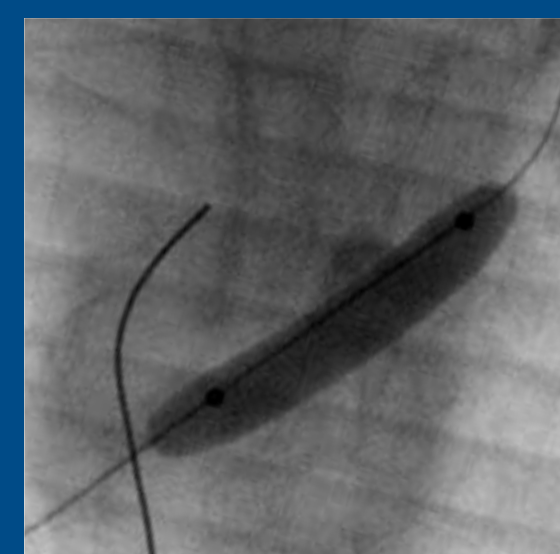
- Rapid deflation time contributes to reduced procedure length
- Balloon material and wall thickness permit reliable balloon rewrap into the sheath

#### Predictability

- Balloon material and design allow for shape retention at higher pressure
- Focal pressure is exerted on the lesion for controlled, targeted treatment



Fortrex™ Balloon  
Pressure is directed  
toward the lesion



Competitive Design  
Pressure is lost  
longitudinally



1

2

<sup>1</sup> Coriolis-Competitive Cheat Sheet - RE-PV1461.p.6.8-9.

<sup>2</sup> Coriolis-Competitive Cheat Sheet - RE-PV1461.p.7.

<sup>3</sup> Coriolis-Competitive Cheat Sheet - RE-PV1461.p.5.16-17-17-Competitive

# FORTREX™

## PTA Balloon Catheter OTW 0.035"

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS

ADMIRAL™ XTREME™



EVERCROSS™



FORTREX™

PACIFIC™ PLUS



PACIFIC™ XTREME™



SUBMARINE™ RAPIDO



AMPHIRION™ DEEP



NANOCROSS™ ELITE



RAPIDCROSS™



CHOCOLATE™



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



### ORDER INFORMATION

Product Catalogue Number			Balloon Diameter (mm)	Balloon Length (mm)	Nominal Pressure (atm)	Rated Burst Pressure (atm)	Recommended Introducer Sheath (F)
135 cm Catheter Length	80 cm Catheter Length	40 cm Catheter Length					
A35HPV04020135	A35HPV04020080	A35HPV04020040	4	20	12	24	6
A35HPV04040135	A35HPV04040080	A35HPV04040040	4	40	12	24	6
A35HPV04080135	A35HPV04080080	A35HPV04080040	4	80	12	24	6
A35HPV04100135	A35HPV04100080	A35HPV04100040	4	100	12	24	6
A35HPV05020135	A35HPV05020080	A35HPV05020040	5	20	12	24	6
A35HPV05040135	A35HPV05040080	A35HPV05040040	5	40	12	24	6
A35HPV05080135	A35HPV05080080	A35HPV05080040	5	80	12	24	6
A35HPV05100135	A35HPV05100080	A35HPV05100040	5	100	12	24	6
A35HPV06020135	A35HPV06020080	A35HPV06020040	6	20	12	24	6
A35HPV06040135	A35HPV06040080	A35HPV06040040	6	40	12	24	6
A35HPV06080135	A35HPV06080080	A35HPV06080040	6	80	12	23	6
A35HPV06100135	A35HPV06100080	A35HPV06100040	6	100	12	23	6
A35HPV07020135	A35HPV07020080	A35HPV07020040	7	20	9	20	6
A35HPV07040135	A35HPV07040080	A35HPV07040040	7	40	9	20	6
A35HPV07080135	A35HPV07080080	A35HPV07080040	7	80	9	20	6
A35HPV07100135	A35HPV07100080	A35HPV07100040	7	100	9	20	6
A35HPV08040135	A35HPV08040080	A35HPV08040040	8	40	9	20	6
A35HPV08080135	A35HPV08080080	A35HPV08080040	8	80	9	19	6
A35HPV08100135	A35HPV08100080	A35HPV08100040	8	100	9	18	6
A35HPV09040135	A35HPV09040080	A35HPV09040040	9	40	9	18	7
A35HPV09080135	A35HPV09080080	A35HPV09080040	9	80	9	18	7
A35HPV10040135	A35HPV10040080	A35HPV10040040	10	40	8	16	7
A35HPV10080135	A35HPV10080080	A35HPV10080040	10	80	8	16	7
A35HPV12040135	A35HPV12040080	A35HPV12040040	12	40	8	14	7
A35HPV12080135	A35HPV12080080	A35HPV12080040	12	80	7	12	7

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS

ADMIRAL™ XTREME™



EVERCROSS™



FORTREX™



PACIFIC™ PLUS

PACIFIC™ XTREME™



SUBMARINE™ RAPIDO



AMPHIRION™ DEEP



NANOCROSS™ ELITE



RAPIDCROSS™



CHOCOLATE™



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



# PACIFIC™ PLUS

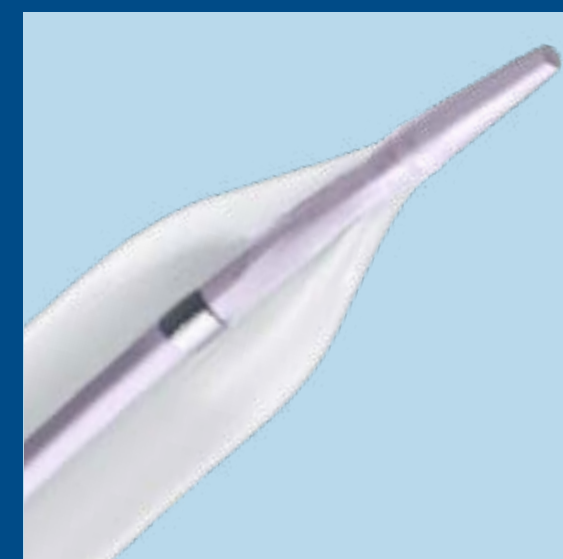
## PTA Balloon Catheter OTW 0.018"

### Versatility for everyday and beyond

- Versatile shaft lengths and guidewire compatibility for more access options
- Proprietary balloon technology allows for great crossability\*
- Improved shaft design for faster deflation\*

### TECHNICAL SPECIFICATIONS

Catheter design	Over-the-wire
Balloon coating	Hydrophilic
Balloon marker	2 swaged, platinum iridium
Usable shaft lengths	90, 130 and 180 cm
Introducer sheath compatibility	4.0 F
Guidewire compatibility	0.018"



Tapered tip



# PACIFIC™ PLUS

## PTA Balloon Catheter OTW 0.018"

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS

ADMIRAL™ XTREME™



EVERCROSS™



FORTREX™



PACIFIC™ PLUS

PACIFIC™ XTREME™



SUBMARINE™ RAPIDO



AMPHIRION™ DEEP



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MANAGEMENT



GUIDEWIRES



SNARES



### ORDER INFORMATION

Product Catalogue Number			Balloon Diameter (mm)	Balloon Length (mm)	Recommended Introducer Sheath (F)	Nominal Pressure (atm)	RBP (atm)
Usable Length 90 cm	Usable Length 130 cm	Usable Length 180 cm					
PCE 020 020 090	PCE 020 020 130		2.00	20	4	8	22
PCE 020 040 090	PCE 020 040 130	PCE 020 040 180	2.00	40	4	8	22
PCE 020 060 090	PCE 020 060 130		2.00	60	4	8	22
PCE 020 080 090	PCE 020 080 130	PCE 020 080 180	2.00	80	4	8	22
PCE 020 120 090	PCE 020 120 130	PCE 020 120 180	2.00	120	4	8	22
PCE 020 150 090	PCE 020 150 130	PCE 020 150 180	2.00	150	4	8	22
PCE 025 020 090	PCE 025 020 130		2.50	20	4	8	16
PCE 025 040 090	PCE 025 040 130	PCE 025 040 180	2.50	40	4	8	16
PCE 025 060 090	PCE 025 060 130		2.50	60	4	8	16
PCE 025 080 090	PCE 025 080 130	PCE 025 080 180	2.50	80	4	8	16
PCE 025 120 090	PCE 025 120 130	PCE 025 120 180	2.50	120	4	8	16
PCE 025 150 090	PCE 025 150 130	PCE 025 150 180	2.50	150	4	8	16
PCE 030 020 090	PCE 030 020 130		3.00	20	4	8	16
PCE 030 040 090	PCE 030 040 130	PCE 030 040 180	3.00	40	4	8	16
PCE 030 060 090	PCE 030 060 130		3.00	60	4	8	16
PCE 030 080 090	PCE 030 080 130	PCE 030 080 180	3.00	80	4	8	16
PCE 030 120 090	PCE 030 120 130	PCE 030 120 180	3.00	120	4	8	16
PCE 030 150 090	PCE 030 150 130	PCE 030 150 180	3.00	150	4	8	16
PCE 035 020 090	PCE 035 020 130		3.50	20	4	8	16
PCE 035 040 090	PCE 035 040 130		3.50	40	4	8	16
PCE 035 060 090	PCE 035 060 130		3.50	60	4	8	16
PCE 035 080 090	PCE 035 080 130		3.50	80	4	8	16
PCE 035 120 090	PCE 035 120 130		3.50	120	4	8	16
PCE 035 150 090	PCE 035 150 130		3.50	150	4	8	16
PCE 040 020 090	PCE 040 020 130		4.00	20	4	8	14
PCE 040 040 090	PCE 040 040 130	PCE 040 040 180	4.00	40	4	8	14



# PACIFIC™ PLUS

## PTA Balloon Catheter OTW 0.018"

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS

ADMIRAL™ XTREME™



EVERCROSS™



FORTREX™



PACIFIC™ PLUS

PACIFIC™ XTREME™



SUBMARINE™ RAPIDO



AMPHIRION™ DEEP



NANOCROSS™ ELITE



RAPIDCROSS™



CHOCOLATE™



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



### ORDER INFORMATION

Product Catalogue Number			Balloon Diameter (mm)	Balloon Length (mm)	Recommended Introducer Sheath (F)	Nominal Pressure (atm)	RBP (atm)
Usable Length 90 cm	Usable Length 130 cm	Usable Length 180 cm					
PCE 040 060 090	PCE 040 060 130		4.00	60	4	8	14
PCE 040 080 090	PCE 040 080 130	PCE 040 080 180	4.00	80	4	8	14
PCE 040 120 090	PCE 040 120 130	PCE 040 120 180	4.00	120	4	8	14
PCE 050 020 090	PCE 050 020 130		5.00	20	4	8	14
PCE 050 040 090	PCE 050 040 130	PCE 050 040 180	5.00	40	4	8	14
PCE 050 060 090	PCE 050 060 130	PCE 050 060 180	5.00	60	4	8	14
PCE 050 080 090	PCE 050 080 130	PCE 050 080 180	5.00	80	4	8	14
PCE 050 120 090	PCE 050 120 130	PCE 050 120 180	5.00	120	4	8	14
PCE 060 020 090	PCE 060 020 130		6.00	20	4	8	14
PCE 060 040 090	PCE 060 040 130	PCE 060 040 180	6.00	40	4	8	14
PCE 060 060 090	PCE 060 060 130		6.00	60	4	8	14
PCE 060 080 090	PCE 060 080 130	PCE 060 080 180	6.00	80	4	8	14
PCE 060 120 090	PCE 060 120 130	PCE 060 120 180	6.00	120	4	8	14
PCE 070 020 090	PCE 070 020 130		7.00	20	4	8	12
PCE 070 040 090	PCE 070 040 130	PCE 070 040 180	7.00	40	4	8	12
PCE 070 060 090	PCE 070 060 130		7.00	60	4	8	12
PCE 070 080 090	PCE 070 080 130	PCE 070 080 180	7.00	80	5	8	12
PCE 070 120 090	PCE 070 120 130	PCE 070 120 180	7.00	120	5	8	12

# PACIFIC™ XTREME™

## PTA Balloon Catheter OTW 0.018"

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS

ADMIRAL™ XTREME™



EVERCROSS™



FORTREX™



PACIFIC™ PLUS



PACIFIC™ XTREME™

SUBMARINE™ RAPIDO



AMPHIRION™ DEEP



NANOCROSS™ ELITE



RAPIDCROSS™



CHOCOLATE™



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES

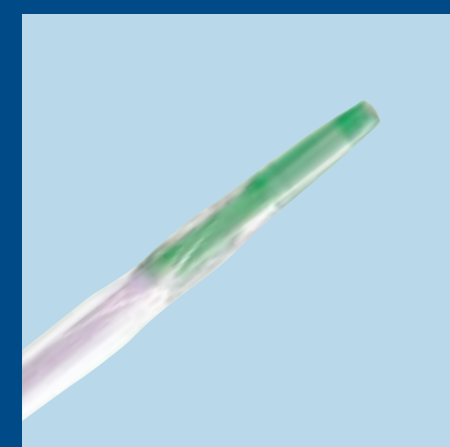


### Versatility for everyday and beyond

- Balloons from 150-300 mm for treating long femoropopliteal lesions
- Strong pushability and kink resistance combined with excellent flexibility\*
- Low profile introducer sheath compatibility for less possible puncture trauma\*\*

### TECHNICAL SPECIFICATIONS

Catheter design	Over-the-wire, Coaxial Shaft
Balloon coating	Hydrophilic
Balloon marker	2 swaged, platinum iridium
Shaft diameter	3.9 – 4.2 F
Usable shaft lengths	90, 130 and 180 cm
Introducer sheath compatibility	4,5 F
Guidewire compatibility	0.018"



Tapered tip



Six-fold balloon



1

2

\* Bench test data on file at Medtronic, Inc. Test data not indicative of clinical performance.  
\*\* 4F/5F depending on diameter and length.

# PACIFIC™ XTREME™

## PTA Balloon Catheter OTW 0.018"

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS

ADMIRAL™ XTREME™



EVERCROSS™



FORTREX™



PACIFIC™ PLUS



PACIFIC™ XTREME™

SUBMARINE™ RAPIDO



AMPHIRION™ DEEP



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PROTECTION  
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CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



### ORDER INFORMATION

Usable Length 90 cm	Product Catalogue Number		Balloon Diameter (mm)	Balloon Length (mm)	Recommended Introducer Sheath (F)	Nominal Pressure (atm)	RBP (atm)
	Usable Length 130 cm	Usable Length 180 cm					
PCF 040 150 090	PCF 040 150 130	PCF 040 150 180	4.00	150	4	6	14
PCF 040 200 090	PCF 040 200 130		4.00	200	4	6	14
PCF 040 250 090	PCF 040 250 130		4.00	250	4	6	14
PCF 040 300 090	PCF 040 300 130		4.00	300	4	6	14
PCF 050 150 090	PCF 050 150 130	PCF 050 150 180	5.00	150	4	6	14
PCF 050 200 090	PCF 050 200 130		5.00	200	4	6	14
PCF 050 250 090	PCF 050 250 130		5.00	250	5	6	14
PCF 050 300 090	PCF 050 300 130		5.00	300	5	6	14
PCF 060 150 090	PCF 060 150 130		6.00	150	5	6	12
PCF 060 200 090	PCF 060 200 130		6.00	200	5	6	12
PCF 060 250 090	PCF 060 250 130		6.00	250	5	6	12
PCF 060 300 090	PCF 060 300 130		6.00	300	5	6	12
PCF 070 150 090	PCF 070 150 130		7.00	150	5	6	12
PCF 070 200 090	PCF 070 200 130		7.00	200	5	6	12
PCF 070 250 090	PCF 070 250 130		7.00	250	5	6	12



# SUBMARINE™ RAPIDO

## PTA Balloon Catheter RX 0.018"

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS

ADMIRAL™ XTREME™



EVERCROSS™



FORTREX™



PACIFIC™ PLUS



PACIFIC™ XTREME™



SUBMARINE™ RAPIDO

AMPHIRION™ DEEP



NANOCROSS™ ELITE



RAPIDCROSS™



CHOCOLATE™



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



### LOW PROFILE WITH STRENGTH AND CONTROL

#### Low profile

Compatible with 6F guiding catheter\*\*\*

- Swaged "zero profile" markers enable easy penetration of the target lesion
- Special 3-folded balloon minimizes the re-wrap profile
- 0.021" tip entry profile to enhance crossability of subocclusive lesions

#### Strength and control

For carotid\*\* and renal interventions, a delicate and high performance PTA is required

- Flexitec LP material allows for a wide working range from nominal pressure of 7 bar up to 17 bar RBP
- Controlled balloon compliance for exact sizing and reliable balloon performance

#### Shaft design

- Push transmission by homogeneous RX transition and adequate flexibility of the distal part
- Hydrophilic coating for swift and easy navigation

#### Size mix

- Broad size mix (including diameters up to 7 mm) makes this catheter appropriate for carotid\* and renal interventions

### TECHNICAL SPECIFICATIONS

Catheter design	Rapid exchange (RX)
Balloon coating	Hydrophilic
Balloon marker	2 swaged, platinum iridium
Shaft diameter	Proximal 2.3 F Distal 3.0 – 3.5 F
Usable shaft lengths	135 cm
Introducer sheath compatibility	6,7 F
Guidewire compatibility	0.018"
Nominal pressure	7 atm

1

2

\* Bench test data on file at Medtronic. Test data not indicative of actual performance.  
\*\* All codes with balloon lengths up to 40mm are certified for Carotid application.  
\*\*\* Up to 6mm balloon diameter.



# SUBMARINE™ RAPIDO

## PTA Balloon Catheter RX 0.018"

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS

ADMIRAL™ XTREME™



EVERCROSS™



FORTREX™



PACIFIC™ PLUS



PACIFIC™ XTREME™



SUBMARINE™ RAPIDO

AMPHIRION™ DEEP



NANOCROSS™ ELITE



RAPIDCROSS™



CHOCOLATE™



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



### ORDER INFORMATION

Product Catalogue Number Shaft Length 135 cm	Balloon Diameter (mm)	Balloon Length (mm)	RBP (atm)	Usable Shaft Length (cm)	Guiding Catheter Compatibility (F)	Distal Shaft Diameter (F)
SBR 020 020 135	2.00	20	17	135	6	3.0
SBR 020 040 135	2.00	40	17	135	6	3.0
SBR 020 060 135	2.00	60	15	135	6	3.0
SBR 025 020 135	2.50	20	17	135	6	3.0
SBR 025 040 135	2.50	40	17	135	6	3.0
SBR 025 060 135	2.50	60	15	135	6	3.0
SBR 030 020 135	3.00	20	17	135	6	3.0
SBR 030 040 135	3.00	40	17	135	6	3.0
SBR 030 060 135	3.00	60	15	135	6	3.0
SBR 030 080 135	3.00	80	15	135	6	3.0
SBR 035 020 135	3.50	20	17	135	6	3.5
SBR 035 030 135	3.50	30	17	135	6	3.5
SBR 040 020 135	4.00	20	17	135	6	3.5
SBR 040 030 135	4.00	30	17	135	6	3.5
SBR 040 040 135	4.00	40	17	135	6	3.5
SBR 045 020 135	4.50	20	17	135	6	3.5
SBR 045 040 135	4.50	40	17	135	6	3.5
SBR 050 020 135	5.00	20	16	135	6	3.5
SBR 050 030 135	5.00	30	16	135	6	3.5
SBR 050 040 135	5.00	40	16	135	6	3.5
SBR 055 020 135	5.50	20	16	135	6	3.5
SBR 055 030 135	5.50	30	16	135	6	3.5
SBR 055 040 135	5.50	40	16	135	6	3.5
SBR 060 020 135	6.00	20	16	135	6	3.5
SBR 060 030 135	6.00	30	16	135	6	3.5
SBR 060 040 135	6.00	40	16	135	6	3.5
SBR 065 020 135	6.50	20	16	135	7	3.5
SBR 065 030 135	6.50	30	16	135	7	3.5
SBR 065 040 135	6.50	40	16	135	7	3.5
SBR 070 020 135	7.00	20	16	135	7	3.5
SBR 070 030 135	7.00	30	16	135	7	3.5
SBR 070 040 135	7.00	40	16	135	7	3.5

1

2

The Submarine Rapido PTA catheter is indicated for PTA in patients with obstructive disease in peripheral arteries (i.e. carotid, supraaortic, ilio-femoral, popliteal, infrapopliteal, and renal arteries).



# AMPHIRION™ DEEP

## Infrapopliteal PTA Balloon Catheter OTW 0.014"

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS

ADMIRAL™ XTREME™



EVERCROSS™



FORTREX™



PACIFIC™ PLUS



PACIFIC™ XTREME™



SUBMARINE™ RAPIDO



AMPHIRION™ DEEP

NANOCROSS™ ELITE



RAPIDCROSS™



CHOCOLATE™



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



### Easy access to the extremities\*

- Tip profile (0.017")
- LFC hydrophilic coating
- Three-step shaft design to optimize tracking through distal vessels
- Reinforced proximal shaft design for strong pushability
- 4 F compatible in all sizes

### Balloon sizes to accommodate your needs\*

- Size range 1.5–4.0 mm in diameter and 20–210 mm in length
- Long balloons (up to 210 mm) are suited for treatment of extremely diffuse lesions

### Conformable balloon material\*

- Proprietary polymer blend provides wonderful conformability

### Tapered balloon\*

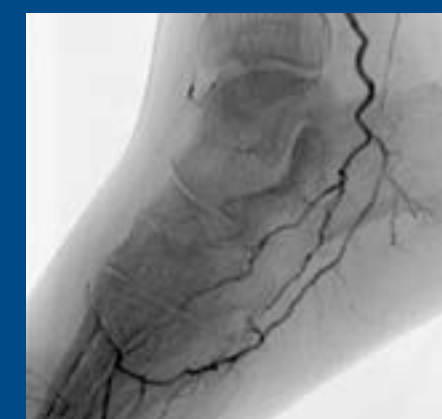
- The 210 mm balloon tapers by 0.5 mm to respect the arterial anatomy

### TECHNICAL SPECIFICATIONS

Catheter design	Over-the-wire
Balloon marker	1/2 swaged, Platinum Iridium
Shaft diameter	Proximal 3.9 F Middle 3.3 F Distal 2.8 F
Introducer sheath compatibility	4 F
Guidewire compatibility	0.014"
Nominal pressure	7 atm



Image courtesy of  
Dr. Marco Manzi, Italy.



Below the ankle



1

2

\* Bench Test Data on file with Medtronic, Inc.  
Test data not indicative of clinical performance.

# AMPHIRION™ DEEP

## Infrapopliteal PTA Balloon Catheter OTW 0.014"

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS

ADMIRAL™ XTREME™



EVERCROSS™



FORTREX™



PACIFIC™ PLUS



PACIFIC™ XTREME™



SUBMARINE™ RAPIDO



AMPHIRION™ DEEP

NANOCROSS™ ELITE



RAPIDCROSS™



CHOCOLATE™



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES

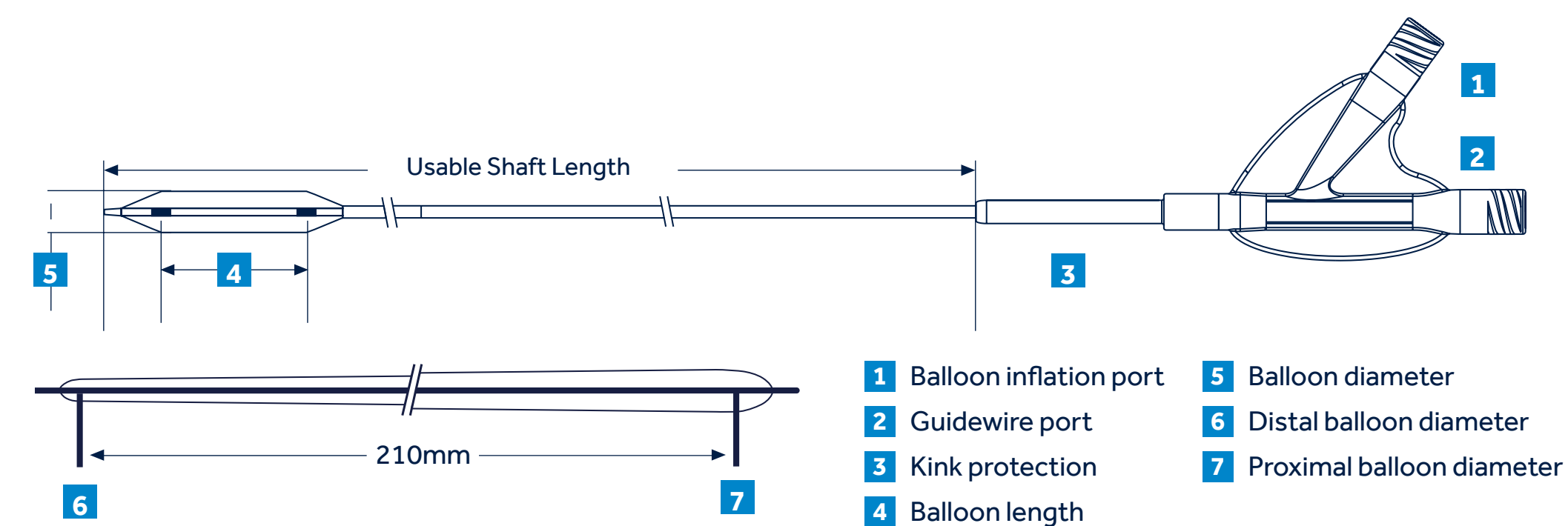


SNARES



### ORDER INFORMATION

Product Catalogue Number		Balloon Diameter (mm)	Balloon Length (mm)	Recom. Introducer Sheath (F)	Nominal Pressure (BAR)	RBP (BAR)
OTW Usable Length 120 cm	OTW Usable Length 150 cm					
AMD 015 020 001	AMD 015 020 151	1.5	20	4	7	14
AMD 015 020 002	AMD 015 020 152	1.5	20	4	7	14
AMD 020 040 002	AMD 020 040 152	2.0	40	4	7	15
AMD 020 080 002	AMD 020 080 152	2.0	80	4	7	14
AMD 020 120 002	AMD 020 120 152	2.0	120	4	7	14
AMD 020 150 002	AMD 020 150 152	2.0	150	4	7	14
AMD 025 040 002	AMD 025 040 152	2.5	40	4	7	16
AMD 025 080 002	AMD 025 080 152	2.5	80	4	7	15
AMD 025 120 002	AMD 025 120 152	2.5	120	4	7	14
AMD 025 150 002	AMD 025 150 152	2.5	150	4	7	14
AMD 030 040 002	AMD 030 040 152	3.0	40	4	7	16
AMD 030 080 002	AMD 030 080 152	3.0	80	4	7	15
AMD 030 120 002	AMD 030 120 152	3.0	120	4	7	14
AMD 030 150 002	AMD 030 150 152	3.0	150	4	7	14
AMD 035 040 002	AMD 035 040 152	3.5	40	4	7	16
AMD 035 080 002	AMD 035 080 152	3.5	80	4	7	15
AMD 035 120 002	AMD 035 120 152	3.5	120	4	7	14
AMD 035 150 002	AMD 035 150 152	3.5	150	4	7	14
AMD 040 040 002	AMD 040 040 152	4.0	40	4	7	16
AMD 040 080 002	AMD 040 080 152	4.0	80	4	7	15
AMD 040 120 002	AMD 040 120 152	4.0	120	4	7	14
AMD 040 150 002	AMD 040 150 152	4.0	150	4	7	14
AMD 225 210 002	AMD 225 210 152	2.0/2.5	210	4	7	14
AMD 253 210 002	AMD 253 210 152	2.5/3.0	210	4	7	14
AMD 335 210 002	AMD 335 210 152	3.0/3.5	210	4	7	14
AMD 354 210 002	AMD 354 210 152	3.5/4.0	210	4	7	14



# NANOCROSS™ ELITE

## OTW PTA Dilatation Catheter 0.014"

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS

ADMIRAL™ XTREME™



EVERCROSS™



FORTREX™



PACIFIC™ PLUS



PACIFIC™ XTREME™



SUBMARINE™ RAPIDO



AMPHIRION™ DEEP



NANOCROSS™ ELITE

RAPIDCROSS™



CHOCOLATE™



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



NanoCross™ Elite, the next generation 0.014" PTA balloon, with its 360° beveled tip provides smooth transition from wire to tip.

The SlimTec™ balloon-folding process is designed to provide the lowest 0.014" crossing profile.

### TECHNICAL SPECIFICATIONS

Catheter design	Over-the-wire
Useable catheter lengths	90 and 150 cm
Introducer sheath compatibility	4 F
Guidewire compatibility	0.014"



# NANOCROSS™ ELITE

## OTW PTA Dilatation Catheter 0.014"

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS

ADMIRAL™ XTREME™



EVERCROSS™



FORTREX™



PACIFIC™ PLUS



PACIFIC™ XTREME™



SUBMARINE™ RAPIDO



AMPHIRION™ DEEP



NANOCROSS™ ELITE

RAPIDCROSS™



CHOCOLATE™



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



### ORDER INFORMATION

Product Catalogue Number		Balloon Diameter (mm)	Balloon Length (mm)	Nominal Pressure (atm)	Pressure (atm)	Introducer Sheath (F)
90 cm Catheter Length	150 cm Catheter Length					
AB14W015020090	AB14W015020150	1.5	20	8	14	4
AB14W015040090	AB14W015040150	1.5	40	8	14	4
AB14W020020090	AB14W020020150	2	20	8	14	4
AB14W020040090	AB14W020040150	2	40	8	14	4
AB14W020060090	AB14W020060150	2	60	8	14	4
AB14W020080090	AB14W020080150	2	80	8	14	4
AB14W020100090	AB14W020100150	2	100	8	14	4
AB14W020120090	AB14W020120150	2	120	8	14	4
AB14W020150090	AB14W020150150	2	150	8	14	4
AB14W020210090	AB14W020210150	2	210	8	14	4
AB14W025020090	AB14W025020150	2.5	20	8	14	4
AB14W025040090	AB14W025040150	2.5	40	8	14	4
AB14W025060090	AB14W025060150	2.5	60	8	14	4
AB14W025080090	AB14W025080150	2.5	80	8	14	4
AB14W025100090	AB14W025100150	2.5	100	8	14	4
AB14W025120090	AB14W025120150	2.5	120	8	14	4
AB14W025150090	AB14W025150150	2.5	150	8	14	4
AB14W025210090	AB14W025210150	2.5	210	8	14	4
AB14W030020090	AB14W030020150	3	20	8	14	4
AB14W030040090	AB14W030040150	3	40	8	14	4
AB14W030060090	AB14W030060150	3	60	8	14	4
AB14W030080090	AB14W030080150	3	80	8	14	4
AB14W030100090	AB14W030100150	3	100	8	14	4
AB14W030120090	AB14W030120150	3	120	8	14	4
AB14W030150090	AB14W030150150	3	150	8	14	4
AB14W030210090	AB14W030210150	3	210	8	14	4
AB14W035020090	AB14W035020150	3.5	20	8	14	4
AB14W035040090	AB14W035040150	3.5	40	8	14	4
AB14W035060090	AB14W035060150	3.5	60	8	14	4

# NANOCROSS™ ELITE

## OTW PTA Dilatation Catheter 0.014"

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS

ADMIRAL™ XTREME™



EVERCROSS™



FORTREX™



PACIFIC™ PLUS



PACIFIC™ XTREME™



SUBMARINE™ RAPIDO



AMPHIRION™ DEEP



NANOCROSS™ ELITE

RAPIDCROSS™



CHOCOLATE™



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



### ORDER INFORMATION

Product Catalogue Number		Balloon Diameter (mm)	Balloon Length (mm)	Nominal Pressure (atm)	Pressure (atm)	Introducer Sheath (F)
90 cm Catheter Length	150 cm Catheter Length					
AB14W035080090	AB14W035080150	3.5	80	8	14	4
AB14W035100090	AB14W035100150	3.5	100	8	14	4
AB14W035120090	AB14W035120150	3.5	120	8	14	4
AB14W035150090	AB14W035150150	3.5	150	8	14	4
AB14W035210090	AB14W035210150	3.5	210	8	14	4
AB14W040020090	AB14W040020150	4	20	8	14	4
AB14W040040090	AB14W040040150	4	40	8	14	4
AB14W040060090	AB14W040060150	4	60	8	14	4
AB14W040080090	AB14W040080150	4	80	8	14	4
AB14W040100090	AB14W040100150	4	120	8	14	4
AB14W040120090	AB14W040120150	4	100	8	14	4
AB14W040150090	AB14W040150150	4	150	8	14	4
AB14W040210090	AB14W040210150	4	210	8	14	4
AB14W050020090	AB14W050020150	5	20	8	14	5
AB14W050040090	AB14W050040150	5	40	8	14	5
AB14W050060090	AB14W050060150	5	60	8	14	5
AB14W050080090	AB14W050080150	5	80	8	14	5
AB14W050100090	AB14W050100150	5	100	8	14	5
AB14W050120090	AB14W050120150	5	120	8	14	5
AB14W050150090	AB14W050150150	5	150	8	14	5
AB14W050200090	AB14W050200150	5	200	8	14	5
AB14W060020090	AB14W060020150	6	20	8	14	5
AB14W060040090	AB14W060040150	6	40	8	14	5
AB14W060060090	AB14W060060150	6	60	8	14	5
AB14W060080090	AB14W060080150	6	80	8	14	5
AB14W060100090	AB14W060100150	6	100	8	14	5
AB14W060120090	AB14W060120150	6	120	8	14	5
AB14W060150090	AB14W060150150	6	150	8	14	5
AB14W060200090	AB14W060200150	6	200	8	14	6

1 2 3

INDICATIONS: The NanoCross™ Elite 0.014" Over-the-Wire PTA Dilatation Catheter is intended to dilate stenoses in the iliac, femoral, ilio-femoral, popliteal, infra-popliteal, and renal arteries and for the treatment of obstructive lesions of native or synthetic arteriovenous dialysis fistulae. Each system includes: One PTA balloon catheter, one compliance chart and one balloon folding tool.

# RAPIDCROSS™

## PTA Balloon Dilatation Catheter RX 0.014"

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS

ADMIRAL™ XTREME™



EVERCROSS™



FORTREX™



PACIFIC™ PLUS



PACIFIC™ XTREME™



SUBMARINE™ RAPIDO



AMPHIRION™ DEEP



NANOCROSS™ ELITE



RAPIDCROSS™

CHOCOLATE™



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



RapidCross™ 0.014 PTA Balloon Catheter was developed exclusively for below the knee treatment. Every detail, from the 0.017" tip entry profile to the Rapid Exchange Port construction was thoughtfully designed for exceptional performance.

### Low profile

- For ease in crossing

### Dual middle marker bands\*

- For enhanced visualization and accuracy

### Tapered long balloon\*\*

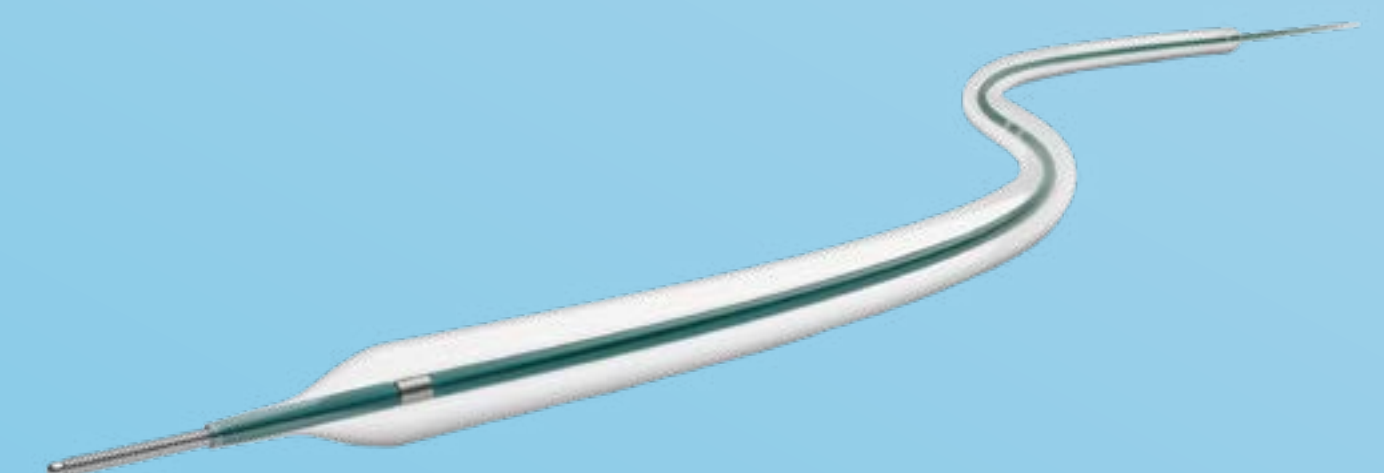
- Tailored to distal tibial and pedal anatomy

### Maximum inner lumen

- For 2-3 times faster deflation

### Proprietary balloon coating

- Ensures sustained lubricity for crossing challenging lesions



1

2

3

\* Dual middle marker bands available on 150 mm and 210 mm balloon lengths  
\*\* Tapered balloon available in 210 mm balloon length



# RAPIDCROSS™

## PTA Balloon Dilatation Catheter RX 0.014"

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS

ADMIRAL™ XTREME™



EVERCROSS™



FORTREX™



PACIFIC™ PLUS



PACIFIC™ XTREME™



SUBMARINE™ RAPIDO



AMPHIRION™ DEEP



NANOCROSS™ ELITE



RAPIDCROSS™

CHOCOLATE™



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



### ORDER INFORMATION

Product Catalogue Number		Balloon Diameter (mm)	Balloon Length (mm)	Nominal Pressure (atm)	Rated Burst Pressure (atm)	Recommended Introducer Sheath(F)
Catheter Shaft Length 90 cm	Catheter Shaft Length 170 cm					
A14BX020020090	A14BX020020170	2.0	20	8	14	4
A14BX020040090	A14BX020040170	2.0	40	8	14	4
A14BX020060090	A14BX020060170	2.0	60	8	14	4
A14BX020080090	A14BX020080170	2.0	80	8	14	4
A14BX020100090	A14BX020100170	2.0	100	8	14	4
A14BX020120090	A14BX020120170	2.0	120	8	14	4
A14BX020150090	A14BX020150170	2.0	150	8	14	4
A14BX020210090	A14BX020210170	2.0 proximal / 1.5 distal	210	8	14	4
A14BX025020090	A14BX025020170	2.5	20	8	14	4
A14BX025040090	A14BX025040170	2.5	40	8	14	4
A14BX025060090	A14BX025060170	2.5	60	8	14	4
A14BX025080090	A14BX025080170	2.5	80	8	14	4
A14BX025100090	A14BX025100170	2.5	100	8	14	4
A14BX025120090	A14BX025120170	2.5	120	8	14	4
A14BX025150090	A14BX025150170	2.5	150	8	14	4
A14BX025210090	A14BX025210170	2.5 proximal / 2.0 distal	210	8	14	4
A14BX030020090	A14BX030020170	3	20	8	14	4
A14BX030040090	A14BX030040170	3	40	8	14	4
A14BX030060090	A14BX030060170	3	60	8	14	4
A14BX030080090	A14BX030080170	3	80	8	14	4
A14BX030100090	A14BX030100170	3	100	8	14	4
A14BX030120090	A14BX030120170	3	120	8	14	4
A14BX030150090	A14BX030150170	3	150	8	14	4
A14BX030210090	A14BX030210170	3.0 proximal / 2.5 distal	210	8	14	4
A14BX035020090	A14BX035020170	3.5	20	8	14	4
A14BX035040090	A14BX035040170	3.5	40	8	14	4
A14BX035060090	A14BX035060170	3.5	60	8	14	4

# RAPIDCROSS™

## PTA Balloon Dilatation Catheter RX 0.014"

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS

ADMIRAL™ XTREME™



EVERCROSS™



FORTREX™



PACIFIC™ PLUS



PACIFIC™ XTREME™



SUBMARINE™ RAPIDO



AMPHIRION™ DEEP



NANOCROSS™ ELITE



RAPIDCROSS™

CHOCOLATE™



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



### ORDER INFORMATION

Product Catalogue Number		Balloon Diameter (mm)	Balloon Length (mm)	Nominal Pressure (atm)	Rated Burst Pressure (atm)	Recommended Introducer Sheath(F)
Catheter Shaft Length 90 cm	Catheter Shaft Length 170 cm					
A14BX035080090	A14BX035080170	3.5	80	8	14	4
A14BX035100090	A14BX035100170	3.5	100	8	14	4
A14BX035120090	A14BX035120170	3.5	120	8	14	4
A14BX035150090	A14BX035150170	3.5	150	8	14	4
A14BX035210090	A14BX035210170	3.5 proximal / 3.0 distal	210	8	14	4
A14BX040020090	A14BX040020170	4	20	8	14	4
A14BX040040090	A14BX040040170	4	40	8	14	4
A14BX040060090	A14BX040060170	4	60	8	14	4
A14BX040080090	A14BX040080170	4	80	8	14	4
A14BX040100090	A14BX040100170	4	100	8	14	4
A14BX040120090	A14BX040120170	4	120	8	14	4
A14BX040150090	A14BX040150170	4	150	8	14	4
A14BX040210090	A14BX040210170	4.0 proximal / 3.5 distal	210	8	14	4

1 2 3

INDICATIONS: The RapidCross™ rapid exchange PTA balloon dilatation catheter is intended to dilate stenoses in the iliac, femoral, iliofemoral, popliteal, infrapopliteal, and renal arteries, and for the treatment of obstructive lesions of native or synthetic arteriovenous dialysis fistulae.

# CHOCOLATE™

## PTA Balloon

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS

ADMIRAL™ XTREME™



EVERCROSS™



FORTREX™



PACIFIC™ PLUS



PACIFIC™ XTREME™



SUBMARINE™ RAPIDO



AMPHIRION™ DEEP



NANOCROSS™ ELITE



RAPIDCROSS™



CHOCOLATE™

DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES

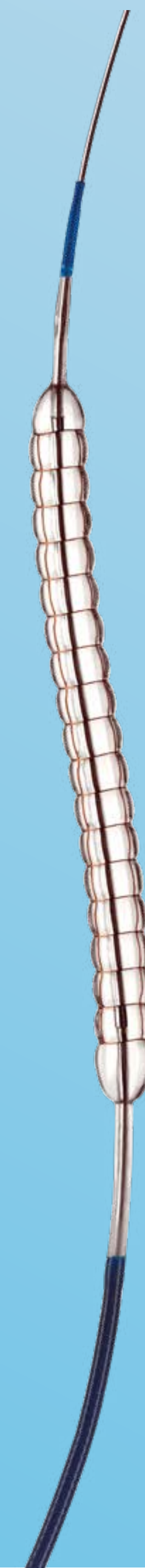


Minimize vessel trauma, dissections and the need for bailout stenting above or below the knee with the Chocolate™ PTA balloon. The balloon's unique nitinol constraining structure creates pillows and grooves that provide a predictable, uniform and atraumatic dilatation.

- Minimize vessel trauma
- Reduce dissections
- Decrease bailout stenting

### TECHNICAL SPECIFICATIONS

Catheter design	Over-the-wire
Useable catheter lengths	120, 135 and 150 cm
Introducer sheath compatibility	5, 6 F
Guidewire compatibility	0,014" and 0,018"



1

2

3

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS

ADMIRAL™ XTREME™



EVERCROSS™



FORTREX™



PACIFIC™ PLUS



PACIFIC™ XTREME™



SUBMARINE™ RAPIDO



AMPHIRION™ DEEP



NANOCROSS™ ELITE



RAPIDCROSS™



CHOCOLATE™

DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



# CHOCOLATE™

## PTA Balloon

### Braided Catheter Shaft

- Designed to provide robust pushability to reach and cross lesions

### Pillows

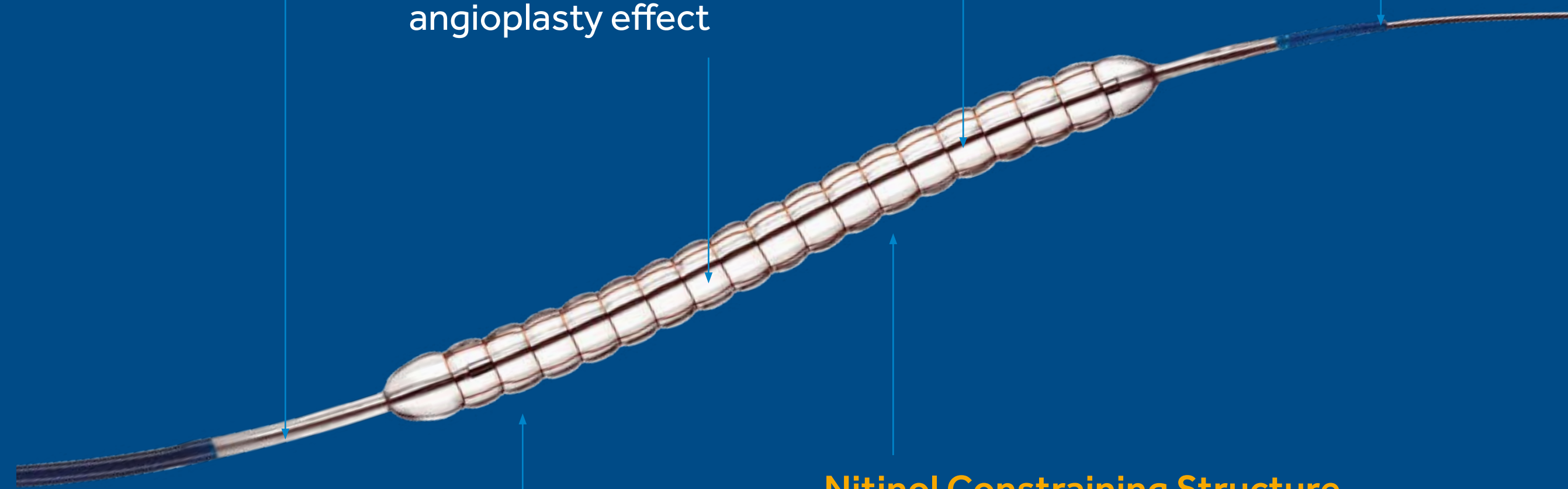
- Provide predictable vessel dilation without cutting or scoring

### Tapered Tip

- Enables lower entry profile for optimal lesion access

### Grooves

- Allow for plaque release, minimizing traumatic angioplasty effect

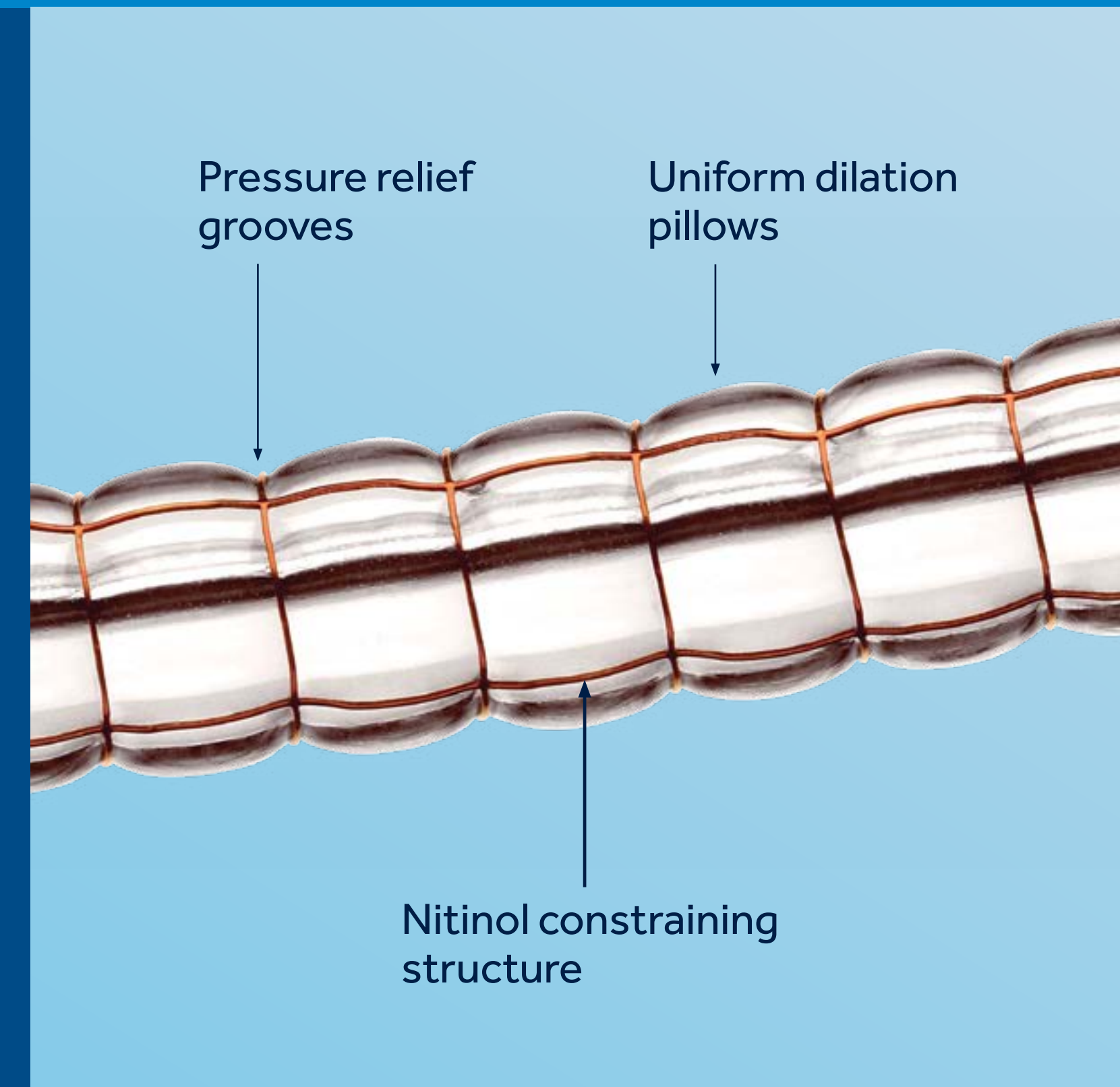


### Nylon, Semi-Compliant Balloon

- Allows for optimal balloon pillow formation

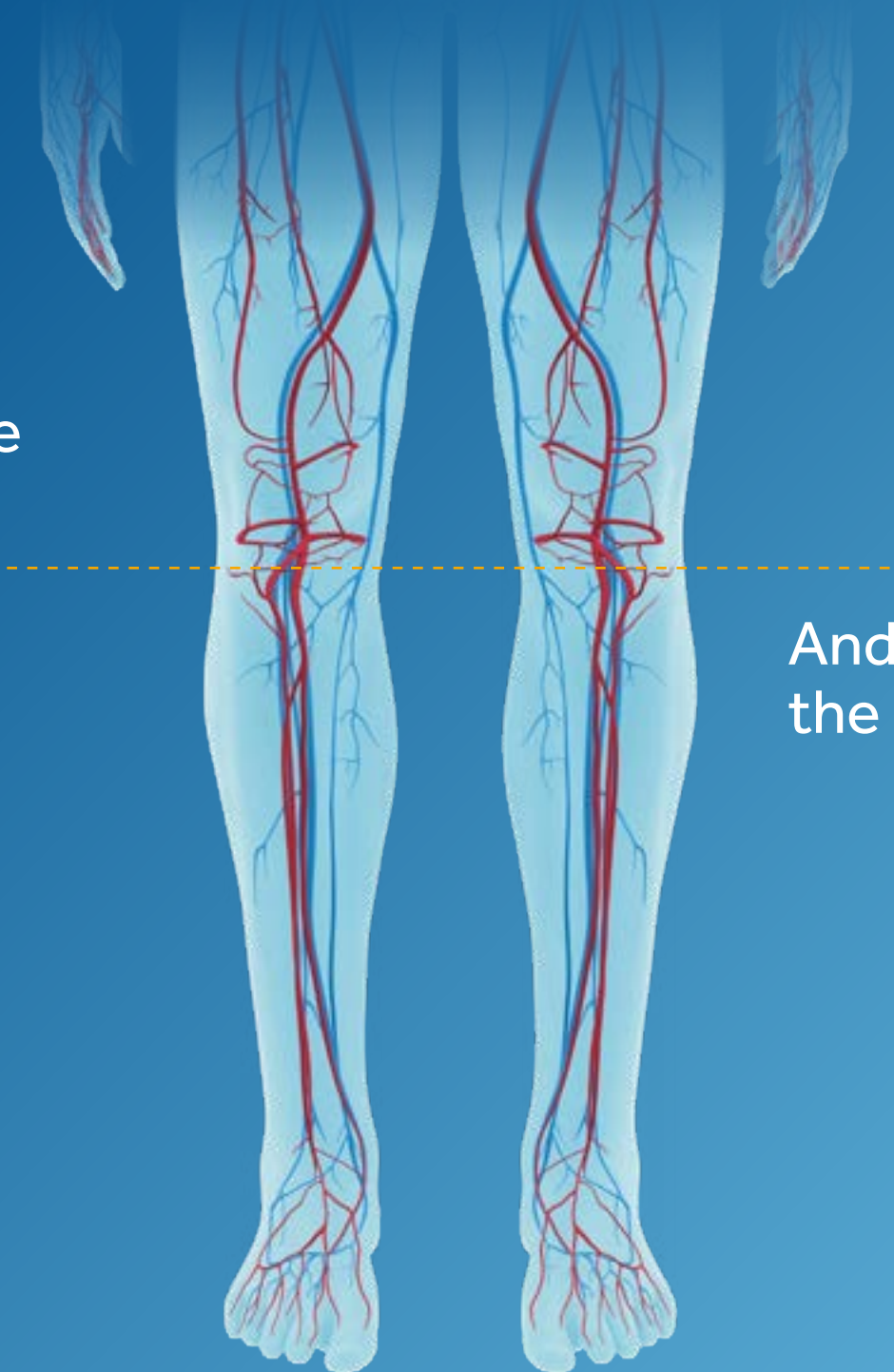
### Nitinol Constraining Structure

- Shields vessel wall from shear (torsional) stress caused by balloon unfolding
- Enables the even distribution of radial and longitudinal forces during balloon inflation
- Allows for rapid deflation and uniform re-wrap



For use  
above

And below  
the knee



# CHOCOLATE™

## PTA Balloon

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS

ADMIRAL™ XTREME™



EVERCROSS™



FORTREX™



PACIFIC™ PLUS



PACIFIC™ XTREME™



SUBMARINE™ RAPIDO



AMPHIRION™ DEEP



NANOCROSS™ ELITE



RAPIDCROSS™



CHOCOLATE™

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ATHERECTOMY



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PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



### ORDER INFORMATION

Product Catalogue Number	Balloon Diameter (mm)	Balloon Length (mm)	Catheter Length (cm)	Guidewire (in)	Introducer Sheath (F)	Nominal Pressure (atm)	Rated Burst Pressure (atm)
CB1415025040 OTW	2.5	40	150	0.014	5	9	14
CB1415025080 OTW	2.5	80	150	0.014	5	9	14
CB1415025120 OTW	2.5	120	150	0.014	5	9	14
CB1415030040 OTW	3.0	40	150	0.014	5	9	14
CB1415030080 OTW	3.0	80	150	0.014	5	9	14
CB1415030120 OTW	3.0	120	150	0.014	5	9	14
CB1413535040 OTW	3.5	40	135	0.014	5	9	14
CB1413535080 OTW	3.5	80	135	0.014	5	9	14
CB1413535120 OTW	3.5	120	135	0.014	5	9	14
CB1413540040 OTW	4.0	40	135	0.014	5	9	14
CB1413540080 OTW	4.0	80	135	0.014	5	9	14
CB1413540120 OTW	4.0	120	135	0.014	5	9	14
CB1812050040 OTW	5.0	40	120	0.018	6	6	12
CB1812050080 OTW	5.0	80	120	0.018	6	6	12
CB1812050120 OTW	5.0	120	120	0.018	6	6	12
CB1812060040 OTW	6.0	40	120	0.018	6	6	12
CB1812060080 OTW	6.0	80	120	0.018	6	6	12
CB1812060120 OTW	6.0	120	120	0.018	6	6	12

1 2 3

Important Information: Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device.  
Indications for Use: The Chocolate™ PTA Balloon Catheter is intended for balloon dilatation of lesions in the peripheral vasculature, including the iliac, femoral, ilio-femoral, popliteal, infra-popliteal, and renal arteries.  
CAUTION: Federal (USA) law restricts these products for sale by or on the order of a physician.

# DIRECTIONAL ATHERECTOMY

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS



DIRECTIONAL  
ATHERECTOMY

HAWKONE™



SILVERHAWK™



TURBOHAWK™



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



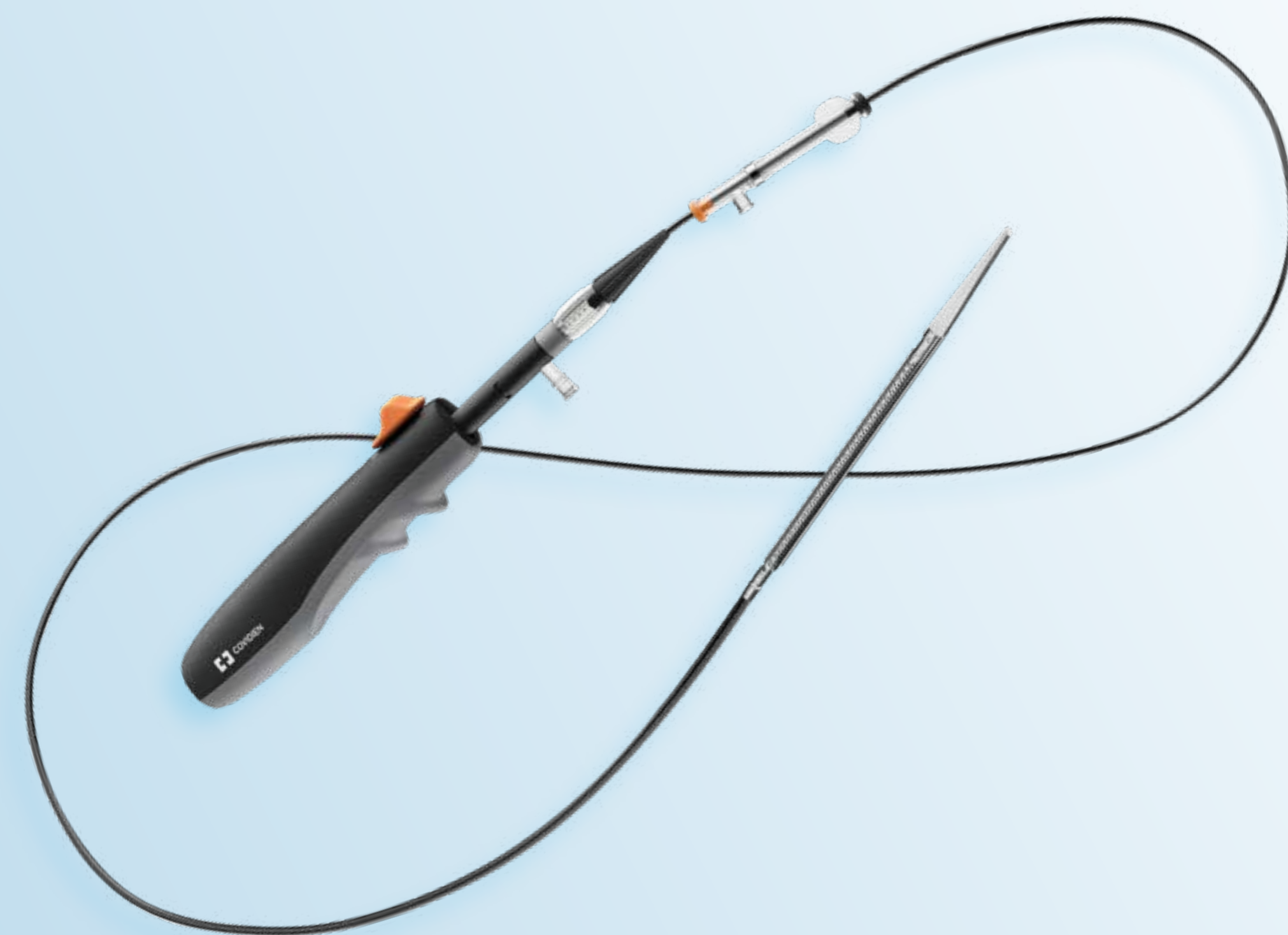
THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



# HAWKONE™

## Directional Atherectomy System

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS



DIRECTIONAL  
ATHERECTOMY

HAWKONE™

SILVERHAWK™



TURBOHAWK™



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



### One device for above and below the knee available in 6 F and 7 F sizes

Just as the name implies, the all-new HawkOne™ Directional Atherectomy System is one device that treats all morphologies<sup>1</sup>, including severe calcium, and offers procedural efficiency with enhanced cutting, crossing, and cleaning capabilities.\*

One device that:

- Treats all morphologies
- Offers procedural efficiency
- Restores blood flow in PAD patients



#### CUTTING BLADE

Four contoured cutting blades engage and treat all atherosclerotic morphologies.



#### CUTTER DRIVER

Ergonomically redesigned to effectively treat all atherosclerotic plaque.



#### DRIVE SHAFT

A four layered, counter-wound design efficiently transmits power, offering a 25% improvement\* in torsional performance.



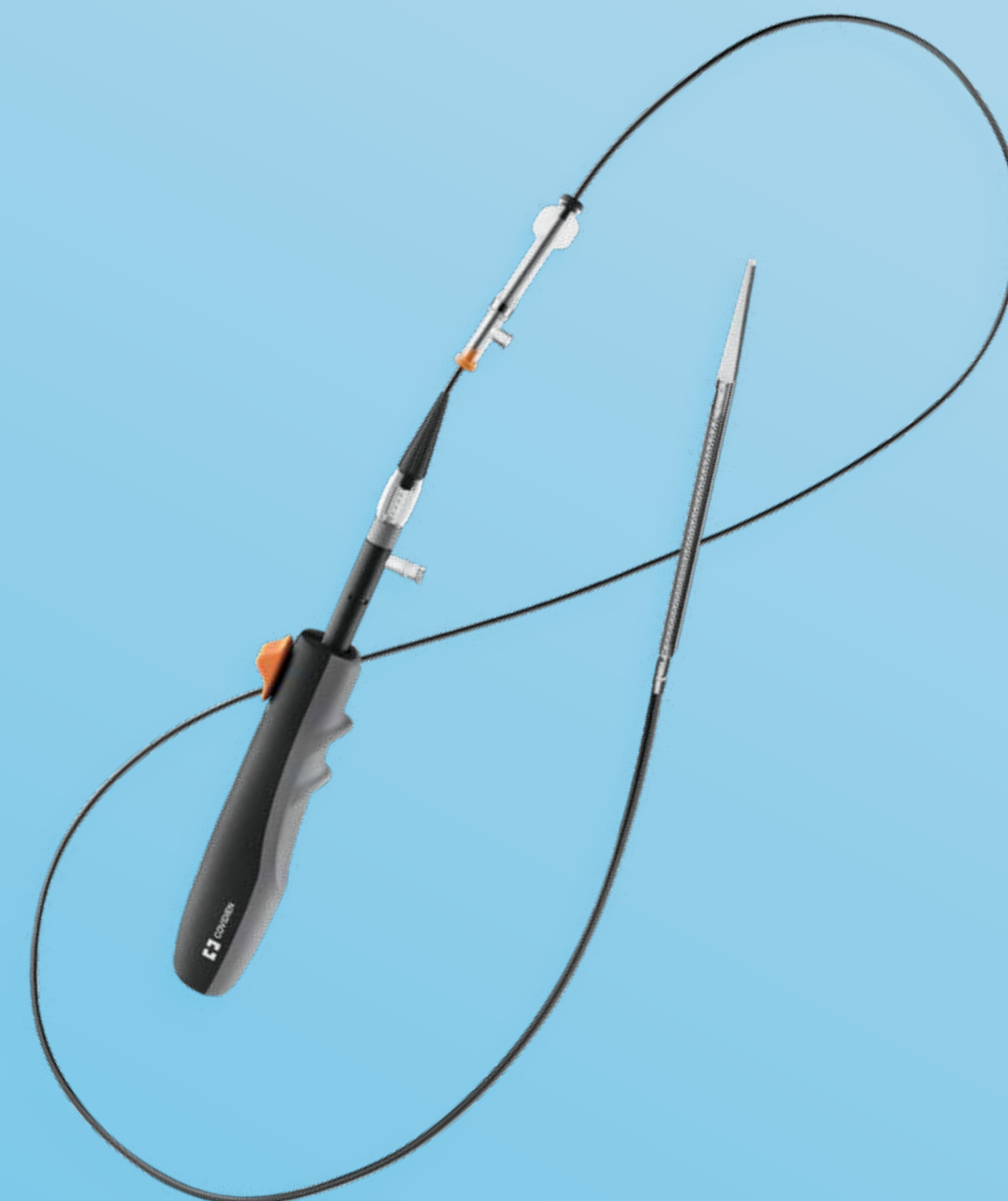
#### DISTAL TIP

A tapered, radiopaque distal tip provides enhanced\* deliverability and visualization under angiography.



#### JOG

Optimized\* for improved engagement in calcified lesions with no increase in cut depth.



1

2

\* Comparison and claims in reference to the TurboHawk™ High Efficiency Cutter.  
<sup>1</sup> HawkOne™ Bench Performance Verification Testing (RE-PV13728); Calcified Cutting Efficiency Bench Validation Data (RE-PV13729)

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS



DIRECTIONAL  
ATHERECTOMY

HAWKONE™

SILVERHAWK™



TURBOHAWK™



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



# HAWKONE™

## Directional Atherectomy System

Unlike orbital, laser, or rotational atherectomy, the HawkOne™ Directional Atherectomy System, with its directional cutting design, offers the greatest versatility when treating PAD. Whether your atherectomy goal is to maximize luminal gain<sup>2</sup>, to create in-line flow, or to target eccentric circumferential disease, the HawkOne™ is your go-to choice.

### ORDER INFORMATION

#### HAWKONE™ DIRECTIONAL ATHERECTOMY SYSTEM

	Model Name	Product Catalogue Number	Vessel Diameter (mm)	Sheath Compatibility (F)	Crossing Profile (mm)	Working Length <sup>3</sup> (cm)	Effective Length <sup>4</sup> (cm)	Tip Length (cm)	Max. cut Length (mm)
6F	HawkOne™ M*	H1-M-INT	3.0-7.0	6	2.2	135	129	5.9	40
	HawkOne™ S*	H1-S-INT	2.0-4.0	6	2.2	151	145	5.9	40
7F	HawkOne™ LS Standard tip*	H1-LS-INT	3.5 - 7.0	7	2.6	114	107	6.6	50
	HawkOne™ LX Extended tip*	H1-LX-INT	3.5 - 7.0	7	2.6	114	104	9.6	75

#### ATHERECTOMY SYSTEMS

		Directional	Orbital	Laser	Rotational
Plaque modification	Maximize lumen gain	X			
	Restore in-line flow	X	X	X	X
Lesion morphology	Treat severe calcium	X	X		X
	Treat soft-moderate plaque	X		X	X
Plaque distribution	Target eccentric disease	X			
	Target circumferential disease	X	X	X	X

Max guidewire is 0.014" for HawkOne™ device.

\* Cutter driver H1-14550 needs to be ordered separately with this catalogue number.

<sup>2</sup> During Definitive LE clinical trial physicians were able to achieve technical success defined by debulking to < 30% stenosis. Reference DEFINITIVE LE clinical trial: James F. McKinsey, MD, Thomas Zeller, MD, Krishna Rocha-Singh, MD, Michael R. Jaff, DO, and Lawrence A. Garcia, MD. Lower Extremity Revascularization Using Directional Atherectomy.

<sup>3</sup> 12 Month Prospective Results of the DEFINITIVE LE Study. JACC: Cardiovascular Interventions 7 (2014) pp 923-933, 10.1016/j.jcin.2014.05.006.

<sup>4</sup> HawkOne™ Working Length – Distal end of pre-loaded flush tool, in the proximal position, to the distal end of tip.

<sup>5</sup> HawkOne™ Effective Length – Distal end of pre-loaded flush tool, in the proximal position, to the proximal end of cutter window.

1

2





DRUG COATED  
BALLOONS >

STENT  
SYSTEMS >

PTA  
BALLOONS >

DIRECTIONAL  
ATHERECTOMY

HAWKONE™ >

SILVERHAWK™

TURBOHAWK™ >

EMBOLIC  
PROTECTION  
DEVICES >

CROSSING  
CATHETERS >

CTO DEVICES >

THROMBUS  
MANAGEMENT >

GUIDEWIRES >

SNARES >

# SILVERHAWK™

## Peripheral Plaque Excision System

Our first-generation SilverHawk™ device treats PAD by removing soft-to-mild plaque buildup in leg arteries.

SilverHawk™ technology uses a directional cutting blade to shave plaque from the vessel—maximizing luminal gain. The plaque is captured in the nose cone of the device and safely removed from the vessel.

The SilverHawk™ device is backed by the landmark DEFINITIVE LE Clinical Study.

### ORDER INFORMATION

Model Name	Product Catalogue Number	Vessel Diameter (mm)	Sheath Compatibility (F)	Crossing Profile (inch)	Working Length <sup>1</sup> (cm)	Effective Length <sup>2</sup> (cm)	Tip Length (cm)	Max Cut Length (mm)
EXL Extra Small Vessel Xtra Long Tip	P4044	2.0 - 3.0	6	0.080 (2.0 mm)	135	129	6.0	15
DS Distal Vessel Standard Tip	P4028	1.5 - 2.0	6	0.077 (1.9 mm)	135	132	2.6	10

Cutter driver FG02550 needs to be ordered with each SilverHawk™ device



INDICATIONS: The SilverHawk™ Peripheral Plaque Excision System is intended for use in atherectomy of the peripheral vasculature. The SilverHawk™ Catheter is not intended for use in the coronary, carotid, iliac or renal vasculature.

<sup>1</sup>Working Length - distal end of strain relief to the distal end of tip.  
<sup>2</sup>Effective Length - distal end of strain relief to the distal end of the cutter window.

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS



DIRECTIONAL  
ATHERECTOMY

HAWKONE™



SILVERHAWK™



TURBOHAWK™

EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



# TURBOHAWK™

## Peripheral Plaque Excision System

### KEY FEATURES OF THE TURBOHAWK™ DEVICE

#### Cutter selection

The TurboHawk™ device has two cutter options to choose from depending on the procedural need and lesion morphology.

- High-efficiency cutter – tackles soft-to-moderately calcified lesions
- Smooth cutter – treats soft-to-mild calcification

#### Drive shaft

The counter-wound drive shaft transmits power more efficiently to the cutting blade.

#### Micro Efficient Compression (MEC)™ technology

Tiny, laser-drilled holes in the nose cone allow excess fluid to escape so physicians are able to capture more plaque with each pass of the cutting blade, potentially reducing the number of insertions and procedure time.

- 45% increase in tissue collection capacity with MEC technology

#### Dual catheter jog

The bend in the catheter enhances contact between the cutting blade and lesion, collecting more plaque with each pass.

#### Distal flush tool

The distal flush tool effectively cleans and flushes plaque from the device with increased pressure.

#### Tapered tip

The low-profile tip of the TurboHawk™ small-vessel catheter allows the device to maneuver through tortuous anatomies and challenging lesions with greater ease.

#### Catheter alignment marker

This feature easily aligns the nose cone with the distal flush tool for faster cleaning.



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# TURBOHAWK™

## Peripheral Plaque Excision System

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS



DIRECTIONAL  
ATHERECTOMY

HAWKONE™



SILVERHAWK™



TURBOHAWK™

EMBOLIC  
PROTECTION  
DEVICES



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CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



### ORDER INFORMATION

Model Name	Product Catalogue Number	Vessel Diameter (mm)	Sheath Compatibility (F)	Crossing Profile (inch)	Working Length <sup>1</sup> (cm)	Effective Length <sup>2</sup> (cm)	Tip Length (cm)	Max Cut Length (mm)
LX-C Super Cutter Large Vessel Xtended Calcium Tip	THS-LX-C	3.5 - 7.0	7	0.105 (2.7 mm)	113	104	9.0	75
LX-M Smooth Cutter Large Vessel Xtended Tip	THS-LX-M	3.5 - 7.0	7 / 8	0.105 (2.7 mm)	113	104	9.0	75
SX-C High Efficiency Cutter Small Vessel Xtended Calcium Tip	THS-SX-C	2.0 - 4.0	6	0.085 (2.2 mm)	135	129	5.9	40
SS-CL High Efficiency Cutter Small Vessel Standard Calcium Tip Long Catheter	THS-SS-CL	2.0 - 4.0	6	0.085 (2.2 mm)	149	145	3.9	20

Cutter driver FG02550 needs to be ordered with each TurboHawk™ device

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INDICATIONS: The TurboHawk™ Peripheral Plaque Excision System is intended for use in atherectomy of the peripheral vasculature. The TurboHawk™ Catheter is not intended for use in the coronary, carotid, iliac or renal vasculature.



# EMBOLIC PROTECTION DEVICES

DRUG COATED BALLOONS >

STENT SYSTEMS >

PTA BALLOONS >

DIRECTIONAL ATHERECTOMY >

EMBOLIC PROTECTION DEVICES

MO.MA™ ULTRA >

SPIDERFX™ >

CROSSING CATHETERS >

CTO DEVICES >

THROMBUS MANAGEMENT >

GUIDEWIRES >

SNARES >



# MO.MA™ ULTRA

## Cerebral Protection Device

DRUG COATED BALLOONS >

STENT SYSTEMS >

PTA BALLOONS >

DIRECTIONAL ATHERECTOMY >

EMBOLIC PROTECTION DEVICES

MO.MA™ ULTRA

SPIDERFX™ >

CROSSING CATHETERS >

CTO DEVICES >

THROMBUS MANAGEMENT >

GUIDEWIRES >

SNARES >

### FULL-TIME PROTECTION AND CONTROL

#### Guide-catheter technology

- Provides excellent trackability, support and stability for ease of lesion crossing and accurate stent deployment

#### Working channel exit port distal to CCA balloon

- Provides lesion access and effective, efficient aspiration of debris\*

#### Radiopaque markers

- Centrally located in each balloon for precise positioning and orientation

#### Optimal device selection

- Wires, stents and balloons

#### High-capture efficiency

- Removal of all sizes of debris\*\*

### TECHNICAL SPECIFICATIONS

Balloon material	Compliant elastomeric rubber
Balloon marker distance	6 cm*
Distal shaft profile	5 F*
Recommended guidewire	0.035" (0.89 mm)
Balloon occlusion range	Up to 13 mm (CCA prox. balloon) Up to 6 mm* (ECA dist. balloon)



All sizes of debris are captured



### DOUBLE-OCCLUSION BALLOON SYSTEM\*\*

Utilizes highly-compliant, elastomeric balloons that provide atraumatic flow suspension and stability.



### MONO-OCCLUSION BALLOON SYSTEM

In case of occlusion of the external carotid artery (ECA), the system utilizes one highly-compliant, elastomeric balloon in the common carotid artery (CCA), that provides atraumatic flow suspension and stability.



1

2

\* Double-Occlusion Balloon System only  
\*\* Bench test data on file at Medtronic, Inc. Test data not indicative of clinical performance.

# MO.MA™ ULTRA

## Cerebral Protection Device

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES

MO.MA™ ULTRA

SPIDERFX™



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES

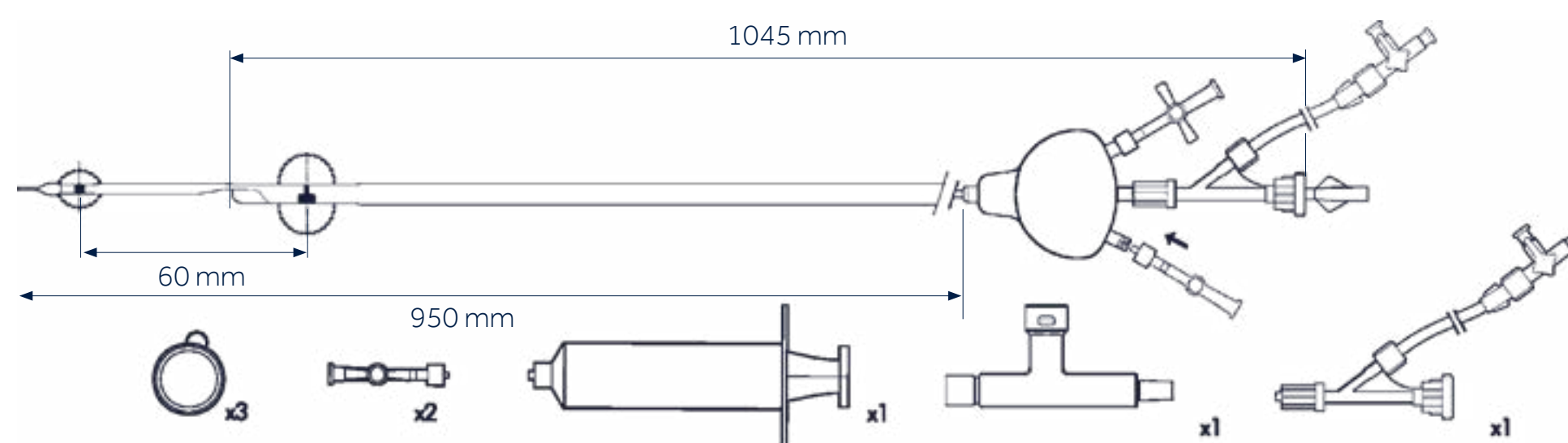


SNARES



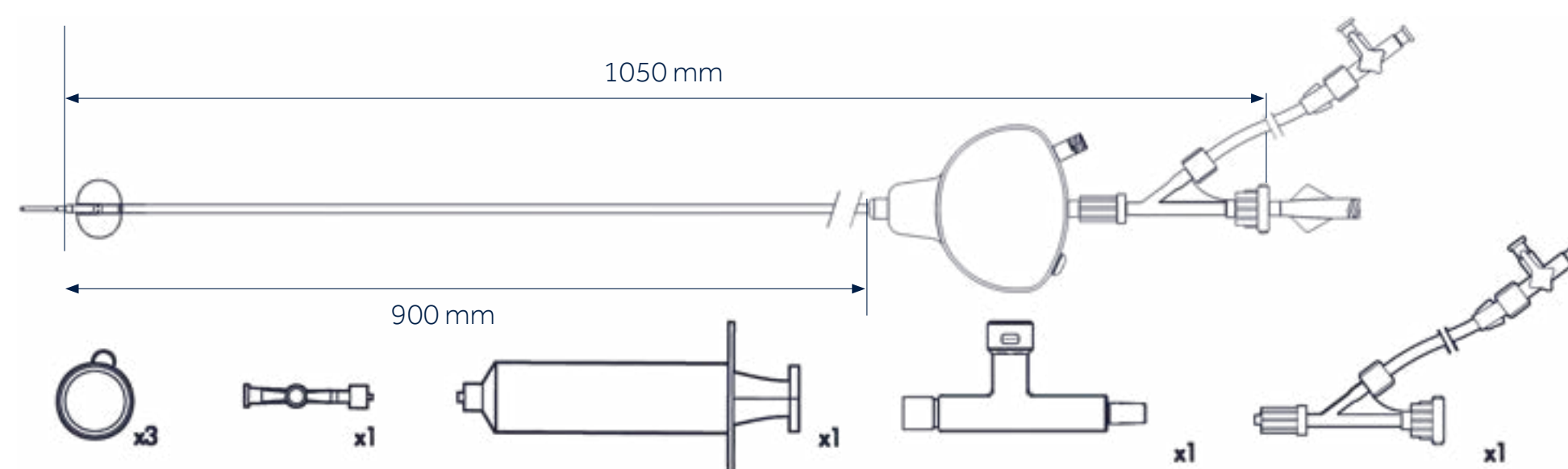
### ORDER INFORMATION

Product Catalogue Number Double-Balloon	Minimum Sheath Size	Inner Diameter Of The Working Channel
MOM0130068X5	8 F	0.069" / 1.76 mm
MOM0130069X6	9 F	0.083" / 2.12 mm



### ORDER INFORMATION

Product Catalogue Number Mono-Balloon	Minimum Sheath Size	Inner Diameter Of The Working Channel
MOM0130008X5	8 F	0.069" / 1.76 mm



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DRUG COATED  
BALLOONS



STENT  
SYSTEMS



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BALLOONS



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
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DEVICES

MO.MA™ ULTRA



SPIDERFX™

CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES



# SPIDERFX™

## Embolic Protection System

The SpiderFX™ System is the only embolic protection device that works with any 0.014" or 0.018" guidewire of choice to cross the most challenging lesions. The device offers enhanced visibility due to the nitinol frame with gold / tungsten marker. The extensive product portfolio permits treatment within a range of vessel sizes from 2 mm to 7 mm. The SpiderFX™ System is compatible with a guide catheter / sheath minimum ID of 0.066" (typically a 6 F guide catheter or 5 F access / long sheath). Check catheter manufacturer information for size compatibility.

The use of the SpiderFX™ device is strongly associated with:

- Lower costs
- Shorter inpatient hospital stays
- Lower ICU utilization rate
- Shorter OR times

### Basket design

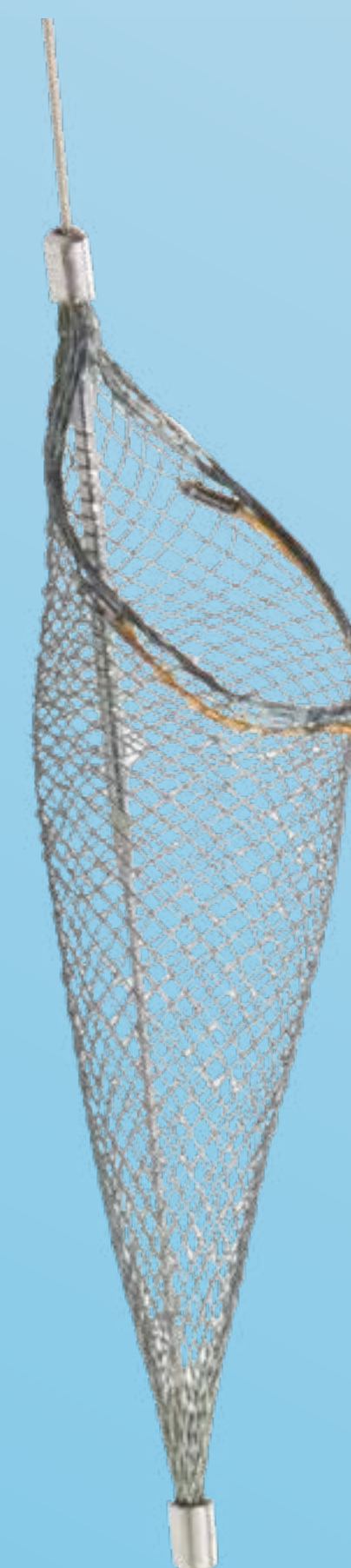
- The unique braided nitinol filter conforms to the vessel wall and maintains full-wall apposition during the intervention. Flow is directed into the filter's conical design, effectively capturing debris while maintaining blood flow

### Visible markers

- A gold tungsten loop around the mouth of the filter, along with radiopaque markers, allows for precise positioning and verification of apposition before proceeding with the intervention

### Wire movement

- The capture wire (available in 190 cm and 320 cm lengths) rotates and moves longitudinally, independent of the filter, for enhanced stability during the procedure
- The SpiderFX™ device is available in a variety of sizes (3 – 7 mm) for optimal fit and apposition in a range of vessels



1

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# SPIDERFX™

## Embolic Protection System

DRUG COATED BALLOONS >

STENT SYSTEMS >

PTA BALLOONS >

DIRECTIONAL ATHERECTOMY >

EMBOLIC PROTECTION DEVICES

MO.MA™ ULTRA >

SPIDERFX™

CROSSING CATHETERS >

CTO DEVICES >

THROMBUS MANAGEMENT >

GUIDEWIRES >

SNARES >

### ORDER INFORMATION

Product Catalogue Number (1/Box)	Capture Wire				Delivery Catheter Cross Profile (F)	Recovery Catheter Diameter (F)	Guide Catheter Sheath Minimum ID (inch)
	Filter Size (mm)	Target Vessel Size (mm)	Wire Length OTW/RX (cm)	Wire Diameter (inch / mm)			
SPD2-030-190	3.0	2.0–3.0	190	0.014 / 0.36	3.2	4.2	0.066
SPD2-030-320	3.0	2.0–3.0	320 / 190	0.014 / 0.36	3.2	4.2	0.066
SPD2-040-190	4.0	3.1–4.0	190	0.014 / 0.36	3.2	4.2	0.066
SPD2-040-320	4.0	3.1–4.0	320 / 190	0.014 / 0.36	3.2	4.2	0.066
SPD2-050-190	5.0	4.1–5.0	190	0.014 / 0.36	3.2	4.2	0.066
SPD2-050-320	5.0	4.1–5.0	320 / 190	0.014 / 0.36	3.2	4.2	0.066
SPD2-060-190	6.0	4.5–6.0	190	0.014 / 0.36	3.2	4.2	0.066
SPD2-060-320	6.0	4.5–6.0	320 / 190	0.014 / 0.36	3.2	4.2	0.066
SPD2-070-190	7.0	5.5–7.0	190	0.014 / 0.36	3.2	4.2	0.066
SPD2-070-320	7.0	5.5–7.0	320 / 190	0.014 / 0.36	3.2	4.2	0.066



1 2

INDICATIONS:  
The SpiderFX™ Embolic Protection System provides distal embolization protection during general vascular use, including peripheral, coronary, and carotid interventions.



# CROSSING CATHETERS

DRUG COATED BALLOONS >

STENT SYSTEMS >

PTA BALLOONS >

DIRECTIONAL ATHERECTOMY >

EMBOLIC PROTECTION DEVICES >

CROSSING CATHETERS

TRAILBLAZER™ SUPPORT CATHETER >

TRAILBLAZER™ ANGLED SUPPORT CATHETER >

CTO DEVICES >

THROMBUS MANAGEMENT >

GUIDEWIRES >

SNARES >



# TRAILBLAZER™

## Support Catheter

DRUG COATED BALLOONS >

STENT SYSTEMS >

PTA BALLOONS >

DIRECTIONAL ATHERECTOMY >

EMBOLIC PROTECTION DEVICES >

CROSSING CATHETERS

TRAILBLAZER™ SUPPORT CATHETER

TRAILBLAZER™ ANGLED SUPPORT CATHETER >

CTO DEVICES >

THROMBUS MANAGEMENT >

GUIDEWIRES >

SNARES >

TrailBlazer™ support catheter is a single lumen over the wire support catheter with a low-profile, tapered tip. Three platinum / iridium markers are embedded between the two layers of this seamless catheter. TrailBlazer™ is designed for increased pushability for crossing tight stenoses and occlusions.

**Each box includes:**  
Five catheters in single sterile pouches.

### ORDER INFORMATION

Product Catalogue Number (5/Box)	Guidewire Compatibility (inch)	Usable Catheter Length (cm)	Space Between Radiopaque Markers (mm)	Minimum Guide Catheter (F)	Minimum Introducer Sheath (F)
SC-035-065	0.035	65	50	6	5
SC-035-090	0.035	90	50	6	5
SC-035-135	0.035	135	50	6	5
SC-035-150	0.035	150	50	6	5
SC-018-090	0.018	90	15	5	4
SC-018-135	0.018	135	15	5	4
SC-018-150	0.018	150	15	5	4
SC-014-135	0.014	135	15	5	4
SC-014-150	0.014	150	15	5	4



INDICATIONS: The TrailBlazer™ Support Catheters are percutaneous, single lumen catheters designed for use in the peripheral vascular system. TrailBlazer™ is intended to guide and support a guidewire during access of the vasculature, allow for wire exchanges, and provide a conduit for the delivery of saline solutions or diagnostic contrast agents.

# TRAILBLAZER™

## Angled Support Catheter

DRUG COATED  
BALLOONS >

STENT  
SYSTEMS >

PTA  
BALLOONS >

DIRECTIONAL  
ATHERECTOMY >

EMBOLIC  
PROTECTION  
DEVICES >

CROSSING  
CATHETERS

TRAILBLAZER™  
SUPPORT CATHETER >

TRAILBLAZER™  
ANGLED SUPPORT  
CATHETER

CTO DEVICES >

THROMBUS  
MANAGEMENT >

GUIDEWIRES >

SNARES >

### Braided catheter

Stainless steel braid provides robust pushability and kink resistance

### Ultra low profile tip

Tapered design provides low lesion entry to aid in crossing

### 1:1 torque

Reliable rotational control

### ORDER INFORMATION

	Minimum Guide Sheath (F)	Minimum Introducer Sheath (F)	Marker Band Space (mm)	Size Outer Diameter (in)	Product Catalogue Number			
					65 cm	90 cm	135 cm	150 cm
0.014"	5	4	15	0.030" (2.3 F)		ASC-014-090	ASC-014-135	ASC-014-150
0.018"	5	4	15	0.034" (2.6 F)		ASC-018-090	ASC-018-135	ASC-018-150
0.035"	5	4	50	0.050"	ASC-035-065	ASC-035-090	ASC-035-135	ASC-035-150



# CTO DEVICES

DRUG COATED  
BALLOONS >

STENT  
SYSTEMS >

PTA  
BALLOONS >

DIRECTIONAL  
ATHERECTOMY >

EMBOLIC  
PROTECTION  
DEVICES >

CROSSING  
CATHETERS >

CTO DEVICES

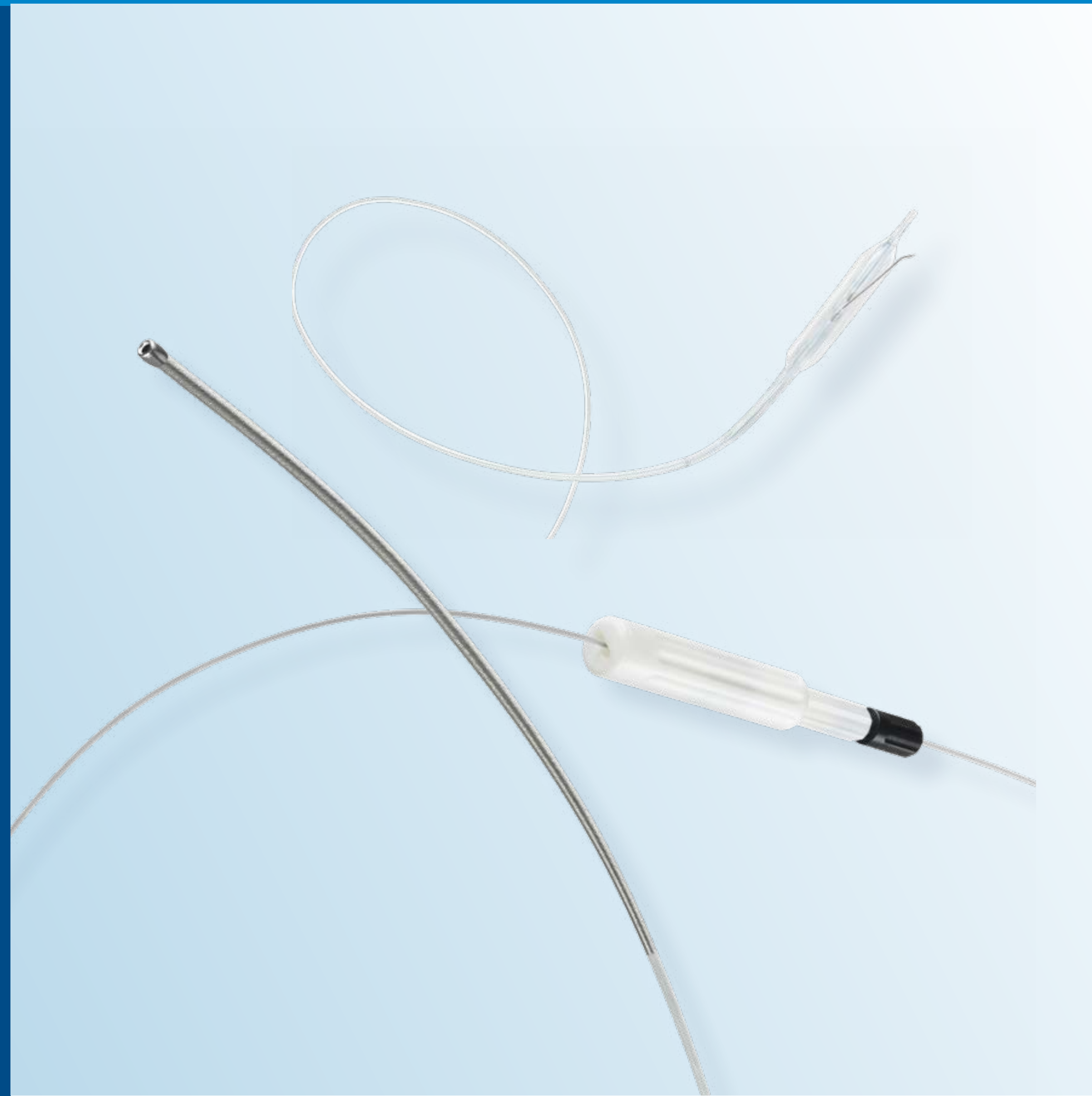
ENTEER™ >

VIANCE™ >

THROMBUS  
MANAGEMENT >

GUIDEWIRES >

SNARES >



# ENTEER™

## Re-Entry Catheter

DRUG COATED BALLOONS >

STENT SYSTEMS >

PTA BALLOONS >

DIRECTIONAL ATHERECTOMY >

EMBOLIC PROTECTION DEVICES >

CROSSING CATHETERS >

CTO DEVICES

ENTEER™

VIANCE™ >

THROMBUS MANAGEMENT >

GUIDEWIRES >

SNARES >

The Enteer re-entry system, consisting of the catheter and guidewire, gives you intuitive control to reliably target the true lumen from the subintimal channel above or below the knee.

The system requires no capital equipment. It's designed to be nothing less than a precise extension of your own expert hand.

### Flat shaped self-orienting balloon

The Enteer™ catheter's unique balloon design self-orientes towards the true lumen within the subintimal space when inflated.

### 180° and offset exit ports

Offset exit ports are located on each side of the device allowing the Enteer™ guidewire to re-enter the correct port into the true lumen.

### OTW 0.014" & 0.018" guidewire compatible

Allows for flexibility during your case and minimizes guidewire exchanges.

### ORDER INFORMATION

Product Catalogue Number	Balloon Size (W x H x L mm)	Working Length (cm)	Guidewire Compatibility (inch)	Crossing Profile (max inch)	Sheath Compatibility
ENB-375-20-135	3.75 x 1.5 x 20	135	≤ 0.018	0.066	5 F
ENB-275-20-150	2.75 x 1.0 x 20	150	≤ 0.018	0.066	5 F

INDICATIONS: Enteer™ Re-entry Catheter is indicated for directing, steering, controlling, and supporting a guidewire in order to access discrete regions of the peripheral vasculature.

Product Catalogue Number	Product	Description
ENW-FX-014-300	Enteer™ Guidewire	0.014" x 300 xm Flexible
ENW-SD-014-300	Enteer™ Guidewire	0.014" x 300 cm Standard
ENW-SF-014-300	Enteer™ Guidewire	0.014" x 300 cm Stiff



# VIANCE™

## Crossing Catheter

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES

ENTEER™



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MANAGEMENT



GUIDEWIRES



SNARES



A precision instrument designed to quickly and safely deliver a guidewire via the true lumen, the Viance™ crossing catheter puts the control of crossing where it belongs: in your hands.

Providing an effective frontline option for CTOs, the Viance™ crossing catheter enables you to utilize a proactive technique to cross total occlusions via the true lumen.

### Low profile atraumatic tip

Designed for smooth crossing and minimizes risk of perforation.

### Multi-coiled wire shaft

Provides 1:1 torque.

### Fast-spin torque handle

Allows for tactile, self-controlled spinning motion enabling the Viance™ catheter tip to find its way through the lesion.

## ORDER INFORMATION

Product Catalogue Number	Description	Working Length (cm)	Guidewire Compatibility (inch)	Crossing Profile (max inch)	Sheath Compatibility
VNC-FX-150	Flexible	150	0.014	0.038	5 F
VNC-SD-150	Standard	150	0.014	0.038	5 F



INDICATIONS: Viance™ Crossing Catheter is intended for use with a guidewire to access discrete regions of the peripheral vasculature.

# THROMBUS MANAGEMENT

DRUG COATED  
BALLOONS >

STENT  
SYSTEMS >

PTA  
BALLOONS >

DIRECTIONAL  
ATHERECTOMY >

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THROMBUS  
MANAGEMENT

CRAGG-MCNAMARA™ >

GUIDEWIRES >

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# CRAGG-McNAMARA™

## Valved Infusion Catheters

DRUG COATED  
BALLOONS >

STENT  
SYSTEMS >

PTA  
BALLOONS >

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ATHERECTOMY >

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THROMBUS  
MANAGEMENT

CRAGG-McNAMARA™

GUIDEWIRES >

SNARES >

The Cragg-McNamara™ Valved Infusion Catheter is a single lumen infusion catheter with a valved tip that allows infusion without the need of a tip-occluding guidewire.

### Large infusion lumen

Only 5 F Cragg-McNamara™ catheters give you the option to infuse without a guidewire in place, nearly doubling the infusion lumen area.

### Streamlined patient care

Infuse overnight, without a guidewire in place which eliminates the risk of guidewire movement for simplified patient care.

Treat without a tip-occluding guidewire and sidearm adapter, which may contribute to cost savings.





# CRAGG-MCNAMARA™

## Valved Infusion Catheters

DRUG COATED BALLOONS >

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CROSSING CATHETERS >

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THROMBUS MANAGEMENT

CRAGG-MCNAMARA™

GUIDEWIRES >

SNARES >

### ORDER INFORMATION

Product Catalogue Number (1 / Box)	Diameter (F)	Usable Length (cm)	Infusion Length (cm)	Recommended Guidewire (inch)
41032-01	4	40	10	0.035
41033-01	4	40	20	0.035
41034-01	4	65	5	0.035
41035-01	4	65	10	0.035
41036-01	4	65	20	0.035
41037-01	4	100	5	0.035
41038-01	4	100	10	0.035
41039-01	4	100	20	0.035
41040-01	4	135	5	0.035
41041-01	4	135	10	0.035
41042-01	4	135	20	0.035
41043-01	5	40	5	0.038
41044-01	5	40	10	0.038
41045-01	5	40	20	0.038
41046-01	5	65	5	0.038
41047-01	5	65	10	0.038
41048-01	5	65	20	0.038
41049-01	5	100	5	0.038
41050-01	5	100	10	0.038
41051-01	5	100	20	0.038
41052-01	5	100	30	0.038
41053-01	5	100	40	0.038
41054-01	5	100	50	0.038
41055-01	5	135	5	0.038
41056-01	5	135	10	0.038
41057-01	5	135	20	0.038
41058-01	5	135	30	0.038
41059-01	5	135	40	0.038
41060-01	5	135	50	0.038

1 2

INDICATIONS: The Cragg-McNamara™ Infusion Catheter is indicated for use in the controlled, selective infusion of physician-specified pharmacological agents or radiopaque contrast media into the general vasculature.



# GUIDEWIRES

DRUG COATED  
BALLOONS >

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SYSTEMS >

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DIRECTIONAL  
ATHERECTOMY >

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PROTECTION  
DEVICES >

CROSSING  
CATHETERS >

CTO DEVICES >

THROMBUS  
MANAGEMENT >

GUIDEWIRES

AQWIRE™ >

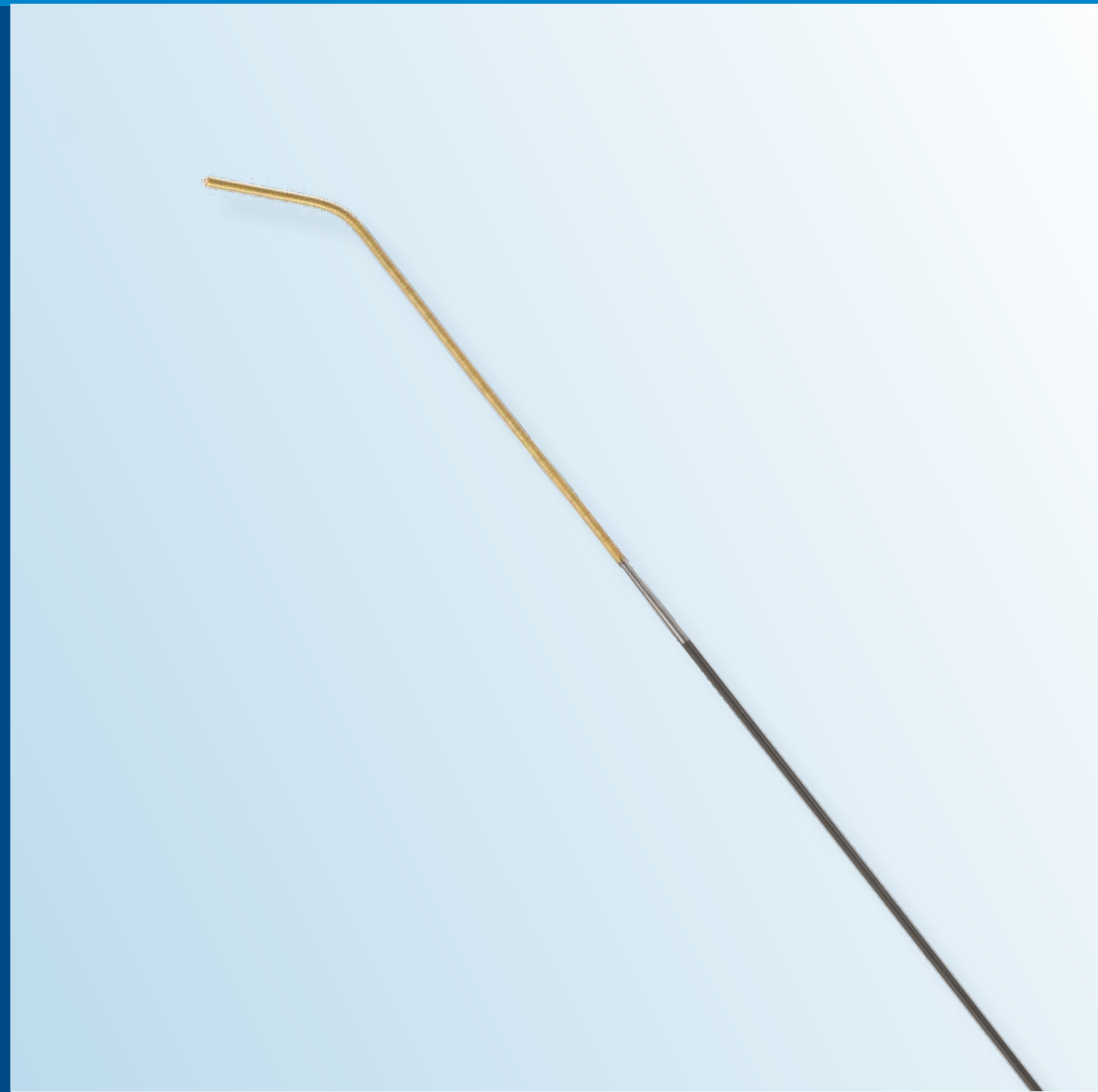
BABYWIRE™ >

KITEWIRE™ DEEP >

NITREX™ >

WHOLEY™ >

SNARES >



# AQWIRE™

## Guidewire

DRUG COATED BALLOONS >

STENT SYSTEMS >

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DIRECTIONAL ATHERECTOMY >

EMBOLIC PROTECTION DEVICES >

CROSSING CATHETERS >

CTO DEVICES >

THROMBUS MANAGEMENT >

### GUIDEWIRES

AQWIRE™

BABYWIRE™ >

KITewire™ DEEP >

NITREX™ >

WHOLEY™ >

SNARES >

The AqWire™ guidewire combines the lubricity of a hydrophilic coating with the durability and kink resistance of a solid nitinol core.

**Each box includes:**  
Three hydrophilic guidewires.

### ORDER INFORMATION

Product Catalogue Number (3/Box)	Diameter (inch)	Length (cm)	Body Type	Tip Angle
<b>0.018"</b>				
A181501	0.018	150	Standard	0
A181502	0.018	150	Standard	45°
A181801	0.018	180	Standard	0
A181802	0.018	180	Standard	45°
A182601	0.018	260	Standard	0
A182602	0.018	260	Standard	45°
<b>0.035" STANDARD BODY</b>				
A351501	0.035	150	Standard	0
A351502	0.035	150	Standard	45°
A351801	0.035	180	Standard	0
A351802	0.035	180	Standard	45°
A352601	0.035	260	Standard	0
A352602	0.035	260	Standard	45°
<b>0.035" STIFF BODY</b>				
A351503	0.035	150	Stiff	0
A351504	0.035	150	Stiff	45°
A351803	0.035	180	Stiff	0
A351804	0.035	180	Stiff	45°
A352603	0.035	260	Stiff	0
A352604	0.035	260	Stiff	45°



# BABYWIRE™

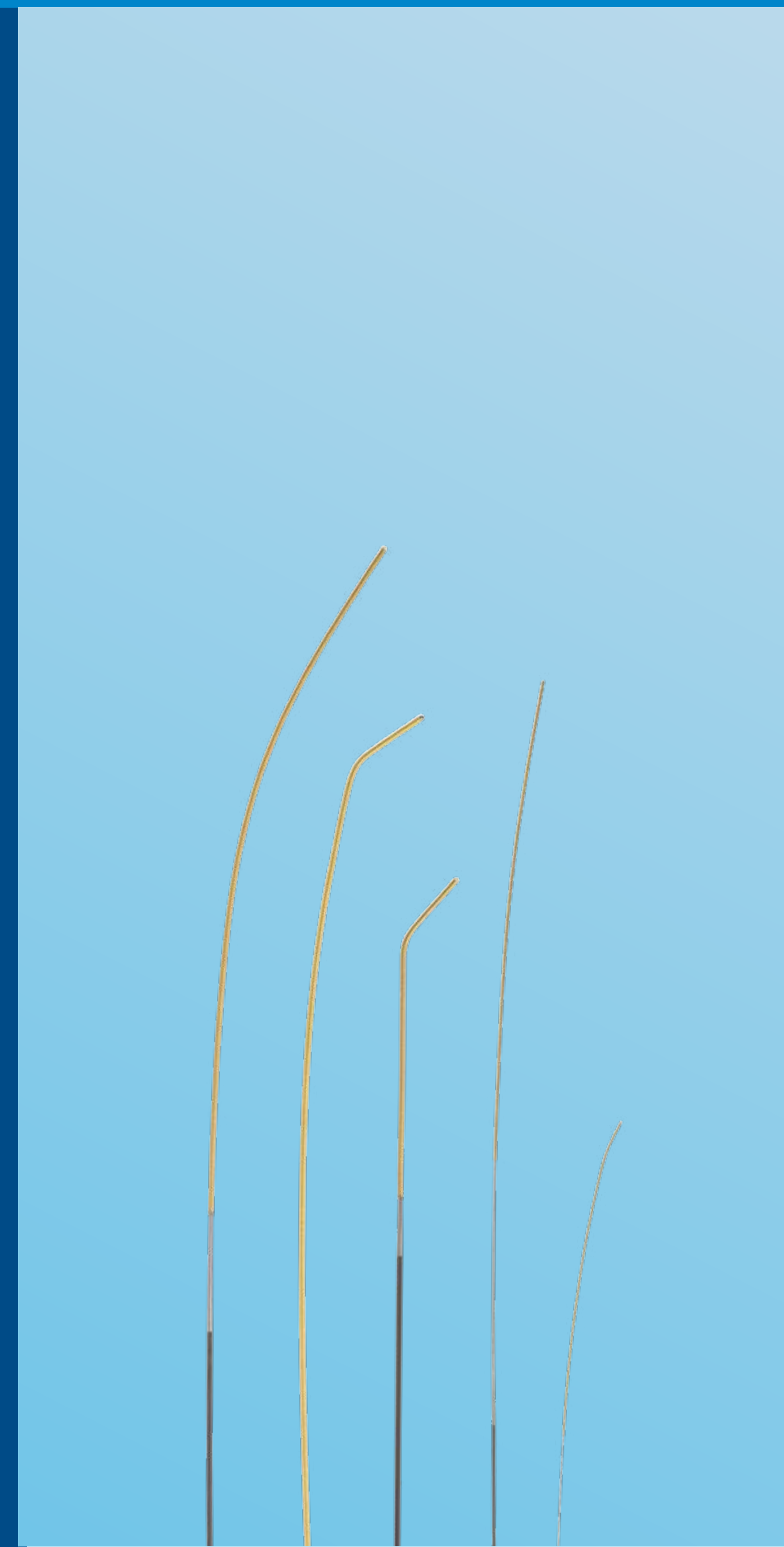
## Double-Ended Nitinol Guidewire

The Babywire™ Double-Ended Nitinol Guidewires assist the placement of IV Catheters and exchange of small vessel arterial / venous lines.

**Each box includes:**  
Ten wires

### ORDER INFORMATION

Product Catalogue Number (10 / Box)	Diameter (inch)	Length (cm)
BW1200	0.012	18
BW1201	0.012	50



DRUG COATED  
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BALLOONS >

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DEVICES >

CROSSING  
CATHETERS >

CTO DEVICES >

THROMBUS  
MANAGEMENT >

GUIDEWIRES

AQWIRE™ >

BABYWIRE™

KITEWIRE™ DEEP >

NITREX™ >

WHOLEY™ >

SNARES >



INDICATIONS: The Babywire™ Guidewire is intended for assisting the placement of initial catheters and/or exchange in the small vessel anatomy. The Babywire™ Guidewire is compatible with a 24 - gauge needle or 2.0 F catheter.

# KITEWIRE™ DEEP

## Peripheral Guidewire 0.014"

### SMOOTH TRACKABILITY FOR LONG DIFFUSE

#### TECHNICAL SPECIFICATIONS

Guidewire outer diameter	0.014"
Coating of the guidewire coil	Polymer and hydrophilic
Total length of the guidewire	195, 250 and 300 cm
Support	Extra support
Radiopaque coil length	3 cm platinum alloy spring coil
Tip shape	Straight, shapeable
Tip stiffness variations	Standard and intermediate



DRUG COATED BALLOONS >

STENT SYSTEMS >

PTA BALLOONS >

DIRECTIONAL ATHERECTOMY >

EMBOLIC PROTECTION DEVICES >

CROSSING CATHETERS >

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GUIDEWIRES

AQWIRE™ >

BABYWIRE™ >

KITEWIRE™ DEEP

NITREX™ >

WHOLEY™ >

SNARES >



# KITEWIRE™ DEEP

## Peripheral Guidewire 0.014"

DRUG COATED BALLOONS >

STENT SYSTEMS >

PTA BALLOONS >

DIRECTIONAL ATHERECTOMY >

EMBOLIC PROTECTION DEVICES >

CROSSING CATHETERS >

CTO DEVICES >

THROMBUS MANAGEMENT >

### GUIDEWIRES

AQWIRE™ >

BABYWIRE™ >

KITEWIRE™ DEEP

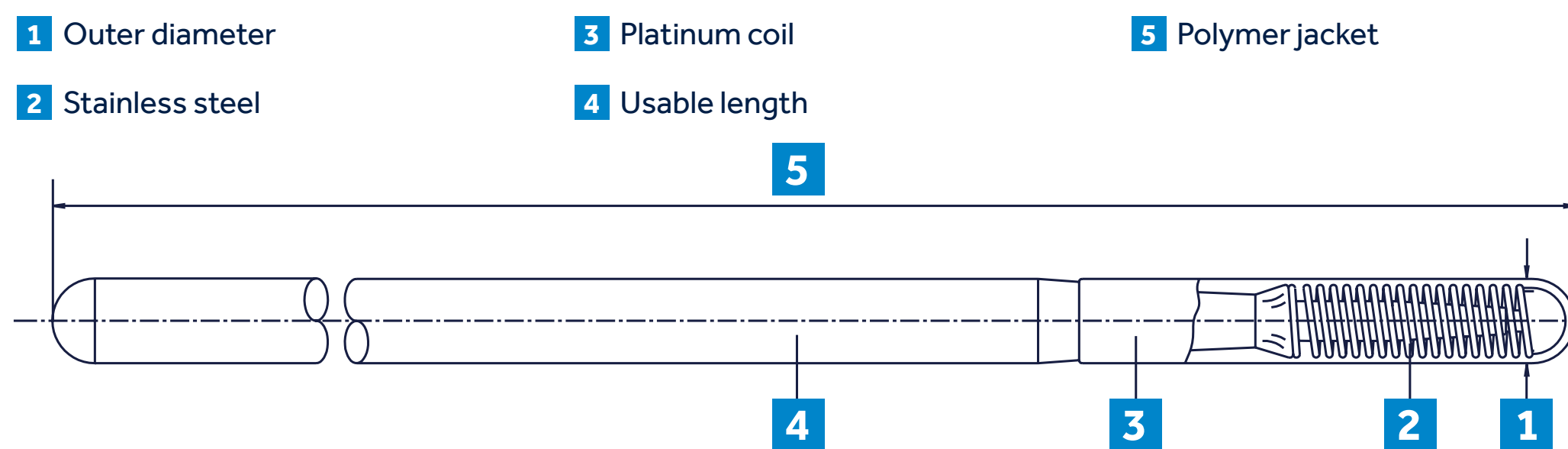
NITREX™ >

WHOLEY™ >

SNARES >

### ORDER INFORMATION

Product Catalogue Number	Usable Length (cm)	Tip Stiffness
KTD 195 INT 14S	195	Intermediate
KTD 195 STD 14S	195	Standard
KTD 250 INT 14S	250	Intermediate
KTD 250 STD 14S	250	Standard
KTD 300 INT 14S	300	Intermediate
KTD 300 STD 14S	300	Standard



# NITREX™

## Guidewires

DRUG COATED  
BALLOONS >

STENT  
SYSTEMS >

PTA  
BALLOONS >

DIRECTIONAL  
ATHERECTOMY >

EMBOLIC  
PROTECTION  
DEVICES >

CROSSING  
CATHETERS >

CTO DEVICES >

THROMBUS  
MANAGEMENT >

GUIDEWIRES

AQWIRE™ >

BABYWIRE™ >

KITEWIRE™ DEEP >

NITREX™

WHOLEY™ >

SNARES >

The Nitrex™ Guidewires are constructed of a solid nitinol core offering nitinol kink-resistance and 1:1 torque.

All models feature a silicone coating and a gold-plated tungsten coil for enhanced radiopacity. The guidewires also come in a variety of sizes and angles.

**Each box includes:**

Three guidewires in carrying hoop. Torque devices included on 0.014" and 0.018" wire sizes.



# NITREX™

## Guidewires

DRUG COATED BALLOONS >

STENT SYSTEMS >

PTA BALLOONS >

DIRECTIONAL ATHERECTOMY >

EMBOLIC PROTECTION DEVICES >

CROSSING CATHETERS >

CTO DEVICES >

THROMBUS MANAGEMENT >

**GUIDEWIRES**

AQWIRE™ >

BABYWIRE™ >

KITewire™ DEEP >

**NITREX™**

WHOLEY™ >

SNARES >

### ORDER INFORMATION

Product Catalogue Number (3 / Box)	Diameter (inch)	Length (cm)	Tip Style	Tip Length (cm)	Tip Shape	Tip Angle
<b>0.014"</b>						
N140801	0.014	80	INT	5	Angle	15°
N141802	0.014	180	INT	5	Angle	15°
N143001	0.014	300	INT	5	Angle	15°
<b>0.018"</b>						
N180601	0.018	60	INT	5	Straight	0
N180603	0.018	60	INT	7	Straight	0
N180801	0.018	80	STD	2	Straight	0
N180802	0.018	80	INT	5	Angle	15°
N181804	0.018	180	STD	2	Straight	0
N181805	0.018	180	INT	5	Angle	15°
N181806	0.018	180	FLOP	20	Angle	15°
N183001	0.018	300	STD	2	Straight	0
N183002	0.018	300	INT	5	Angle	15°
<b>0.025"</b>						
N251801	0.025	180	INT	8	Angle	15°
N251802	0.025	180	STD	2	Straight	0
N252601	0.025	260	INT	8	Angle	15°





# NITREX™

## Guidewires

DRUG COATED BALLOONS >

STENT SYSTEMS >

PTA BALLOONS >

DIRECTIONAL ATHERECTOMY >

EMBOLIC PROTECTION DEVICES >

CROSSING CATHETERS >

CTO DEVICES >

THROMBUS MANAGEMENT >

**GUIDEWIRES**

AQWIRE™ >

BABYWIRE™ >

KITewire™ DEEP >

**NITREX™**

WHOLEY™ >

SNARES >

### ORDER INFORMATION

Product Catalogue Number (3 / Box)	Diameter (inch)	Length (cm)	Tip Style	Tip Length (cm)	Tip Shape	Tip Angle
<b>0.035" FLEXIBLE SHAFT</b>						
N351451	0.035	145	INT	15	Straight	0
N351452	0.035	145	INT	15	Angle	45°
N351803	0.035	180	INT	15	Straight	0
N352601	0.035	260	INT	15	Angle	45°
N354001	0.035	400	INT	15	Straight	0
<b>0.035" STIFF SHAFT</b>						
N350801	0.035	80	INT	9	Straight	0
N351453	0.035	145	FLOP	14	Angle	45°
N351455	0.035	145	FLOP	14	Straight	0
N351454	0.035	145	INT	9	Straight	0
N351804	0.035	180	INT	9	Straight	0
N351805	0.035	180	STD	4	Angle	45°
N352602	0.035	260	FLOP	14	Straight	0
N352604	0.035	260	INT	9	Straight	0
N352603	0.035	260	STD	4	Angle	45°
N353001	0.035	300	INT	9	Straight	0
N354002	0.035	400	INT	9	Straight	0



# WHOLEY™

## Guidewire System 0.035"

The Wholey™ Guidewire System provides enhanced torqueability and lubricity, allowing interventionalists to approach challenging cases with confidence.

**Each box includes:**

Three hydrophilic coated guidewires.

**Steer**

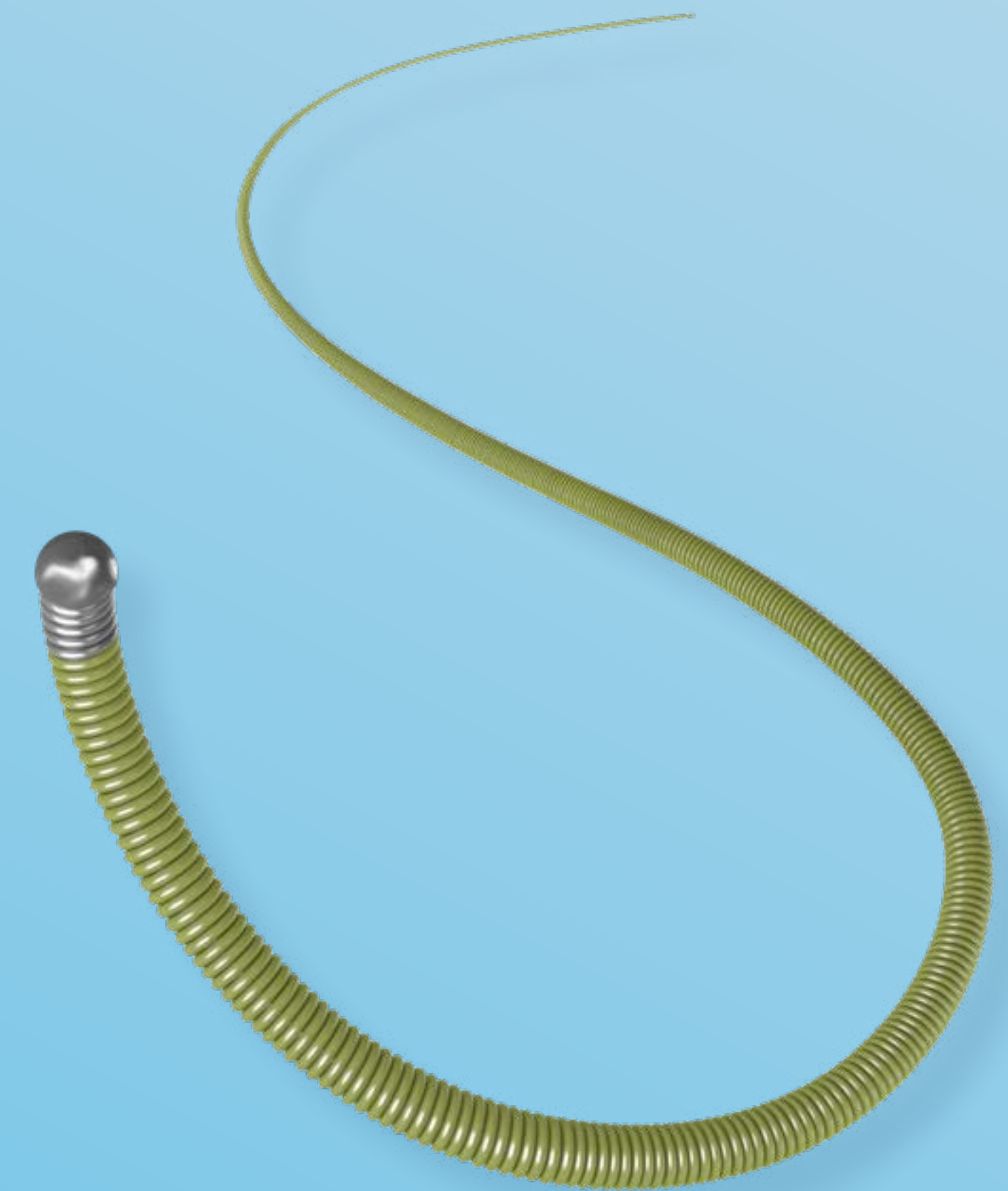
One-to-one torque for precise navigation in tortuous anatomy.

**Slide**

Proprietary precoating technology provides consistent coating over entire coil.

**See**

Platinum tungsten coil tip offers high visibility to assist with accurate placement.



DRUG COATED  
BALLOONS >

STENT  
SYSTEMS >

PTA  
BALLOONS >

DIRECTIONAL  
ATHERECTOMY >

EMBOLIC  
PROTECTION  
DEVICES >

CROSSING  
CATHETERS >

CTO DEVICES >

THROMBUS  
MANAGEMENT >

GUIDEWIRES

AQWIRE™ >

BABYWIRE™ >

KITewire™ DEEP >

NITREX™ >

WHOLEY™

SNARES >



1

2

# WHOLEY™

## Guidewire System 0.035"

DRUG COATED BALLOONS >

STENT SYSTEMS >

PTA BALLOONS >

DIRECTIONAL ATHERECTOMY >

EMBOLIC PROTECTION DEVICES >

CROSSING CATHETERS >

CTO DEVICES >

THROMBUS MANAGEMENT >

GUIDEWIRES

AQWIRE™ >

BABYWIRE™ >

KITewire™ DEEP >

NITREX™ >

WHOLEY™

SNARES >

### ORDER INFORMATION

Product Catalogue Number	Description	Stiffness Profile	Tip Style	Outer Diameter (inch)	Length (cm)	Quantity
WWFS35145	Floppy tip, extension compatible	Floppy	Straight / shapeable	0.035	145	3/pkg
WWFS35175	Floppy tip, extension compatible	Floppy	Straight / shapeable	0.035	175	3/pkg
WWFS35260	Floppy tip, exchange length	Floppy	Straight / shapeable	0.035	260	3/pkg
WWFS35300	Floppy tip, exchange length	Floppy	Straight / shapeable	0.035	300	3/pkg
WWIJ35145	Modified J tip, extension compatible	Intermediate	Modified J / shapeable	0.035	145	3/pkg
WWIJ35175	Modified J tip, extension compatible	Intermediate	Modified J / shapeable	0.035	175	3/pkg
WWIJ35260	Modified J tip, exchange length	Intermediate	Modified J / shapeable	0.035	260	3/pkg
WWIJ35300	Modified J tip, exchange length	Intermediate	Modified J / shapeable	0.035	300	3/pkg
WWSS35145	Standard tip, extension compatible	Standard	Straight / shapeable	0.035	145	3/pkg
WWSS35175	Standard tip, extension compatible	Standard	Straight / shapeable	0.035	175	3/pkg
WWSS35260	Standard tip, exchange length	Standard	Straight / shapeable	0.035	260	3/pkg
WWSS35300	Standard tip, exchange length	Standard	Straight / shapeable	0.035	300	3/pkg
WWES35001	Extension system	Standard	Straight / shapeable	0.035	155	3/pkg

1 2

INDICATIONS: The Wholey™ guidewire system is intended to facilitate the placement and exchange of interventional devices during diagnostic or therapeutic interventional procedures. The guidewire can be torqued to facilitate navigation through tortuous arteries and/or avoid unwanted side branches.



# SNARES

DRUG COATED  
BALLOONS >

STENT  
SYSTEMS >

PTA  
BALLOONS >

DIRECTIONAL  
ATHERECTOMY >

EMBOLIC  
PROTECTION  
DEVICES >

CROSSING  
CATHETERS >

CTO DEVICES >

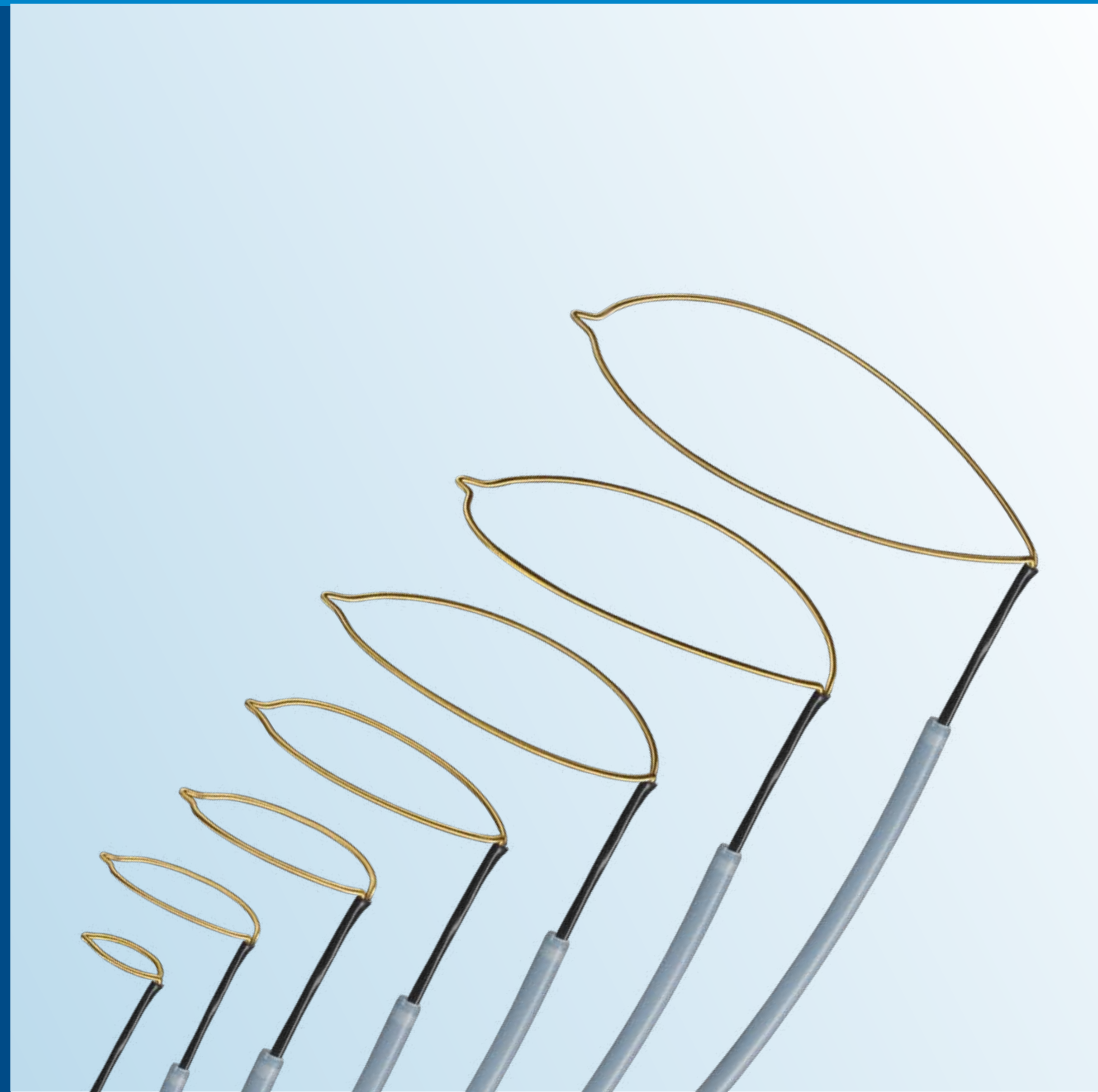
THROMBUS  
MANAGEMENT >

GUIDEWIRES >

SNARES

AMPLATZ  
GOOSENECK™  
MICROSNARE KIT >

AMPLATZ  
GOOSENECK™  
SNARE KIT >



# AMPLATZ GOOSENECK™

## MicroSnare Kit

DRUG COATED  
BALLOONS >

STENT  
SYSTEMS >

PTA  
BALLOONS >

DIRECTIONAL  
ATHERECTOMY >

EMBOLIC  
PROTECTION  
DEVICES >

CROSSING  
CATHETERS >

CTO DEVICES >

THROMBUS  
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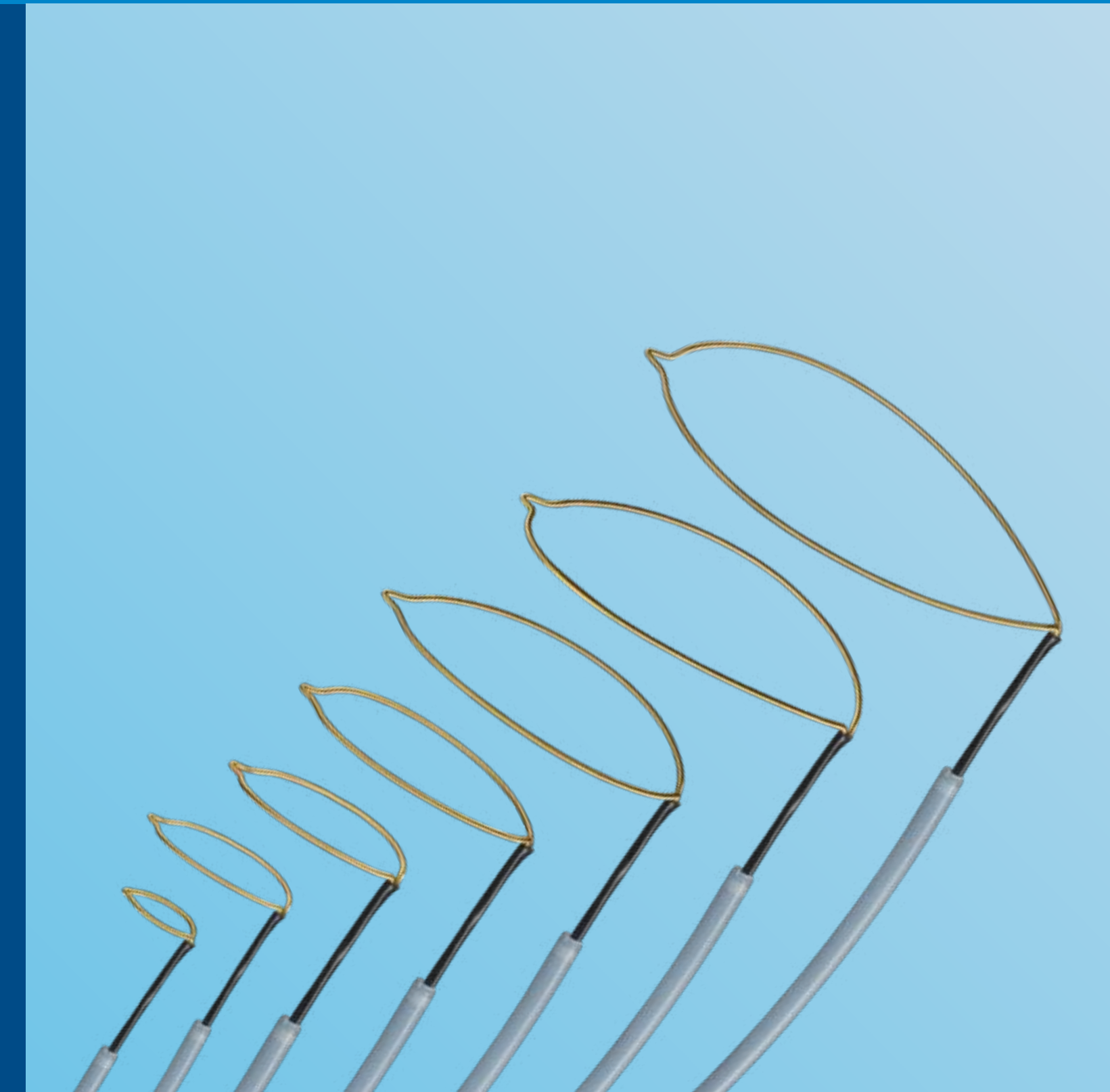
### SNARES

AMPLATZ  
GOOSENECK™  
MICROSNARE KIT

AMPLATZ  
GOOSENECK™  
SNARE KIT >

### ORDER INFORMATION

Product Catalogue Number (1/box)	Loop Diameter (mm)	Snare Length (cm)	Catheter Size Distal-Proximal (F)	Catheter Length (cm)
SK200	2	175	2.3 - 3	150
SK201	2	200	2.3 - 3	175
SK400	4	175	2.3 - 3	150
SK401	4	200	2.3 - 3	175
SK700	7	175	2.3 - 3	150
SK701	7	200	2.3 - 3	175



INDICATIONS: The Amplatz GooseNeck™ Snare is intended for use in the retrieval and manipulation of atraumatic foreign bodies located in the coronary and peripheral cardiovascular system and the extra-cranial neurovascular anatomy. Each kit includes: one snare, one snare catheter, one introducer, and one torque device.

# AMPLATZ GOOSENECK™

## Snare Kit

DRUG COATED  
BALLOONS



STENT  
SYSTEMS



PTA  
BALLOONS



DIRECTIONAL  
ATHERECTOMY



EMBOLIC  
PROTECTION  
DEVICES



CROSSING  
CATHETERS



CTO DEVICES



THROMBUS  
MANAGEMENT



GUIDEWIRES



SNARES

AMPLATZ  
GOOSENECK™  
MICROSNARE KIT



AMPLATZ  
GOOSENECK™  
SNARE KIT

Engineered for precise retrieval and manipulation, the Amplatz GooseNeck™ Snares and Microsnares (for small vessel applications) feature a highly radiopaque snare loop that is 90° to shaft of the snare. Other features include a nitinol shaft for kink resistance and gold tungsten loop for enhanced visualization.

### Each kit includes:

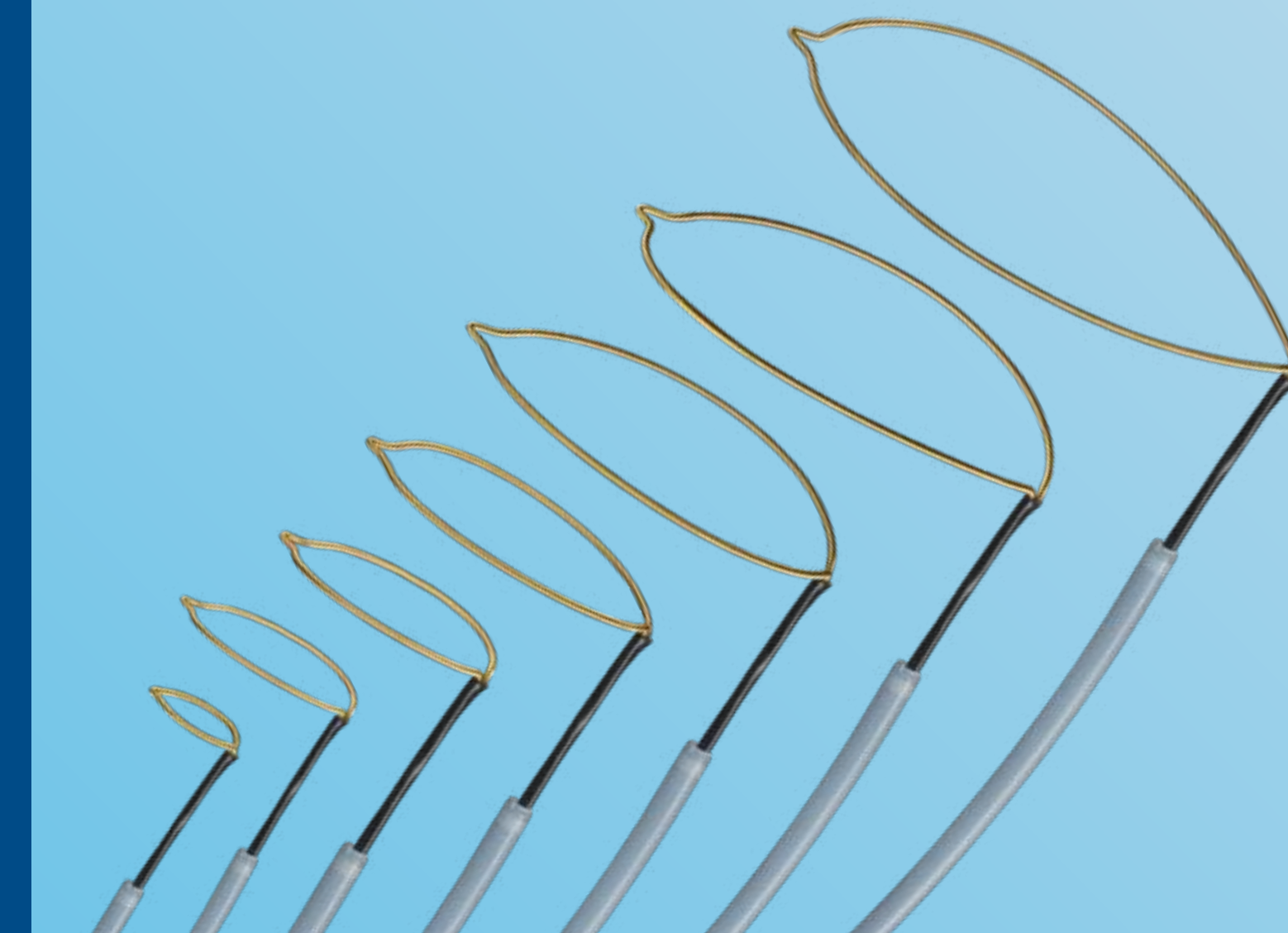
One snare, one snare catheter, one introducer and one torque device.

### ORDER INFORMATION

Product Catalogue Number (1/box)	Catheter o.d (F)	Catheter Length (cm)
MC4000	4	102
MC4001	4	48
MC6000	6	102
MC6001	6	48

Each kit includes: One snare, one snare catheter, one introducer and one torque device.

Product Catalogue Number (1/box)	Loop Diameter (mm)	Snare Length (cm)	Catheter Size (F)	Catheter Length (cm)
GN500	5	120	4	102
GN1000	10	120	4	102
GN1001	10	65	4	48
GN1500	15	120	6	102
GN2000	20	120	6	102
GN2501	25	65	6	48
GN2500	25	120	6	102
GN3000	30	120	6	102
GN3500	35	120	6	102



INDICATIONS: The Amplatz GooseNeck™ Snare is intended for use in the cardiovascular system or hollow viscus to retrieve and manipulate foreign objects. Manipulation procedures include indwelling venous catheter, fibrin sheath stripping, and central venous access venipuncture procedure assistance.

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DRUG COATED  
BALLOONS 

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STENT  
SYSTEMS 

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PTA  
BALLOONS 

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DIRECTIONAL  
ATHERECTOMY 

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EMBOLIC  
PROTECTION  
DEVICES 

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CROSSING  
CATHETERS 

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CTO DEVICES 

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THROMBUS  
MANAGEMENT 

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GUIDEWIRES 

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SNARES 

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