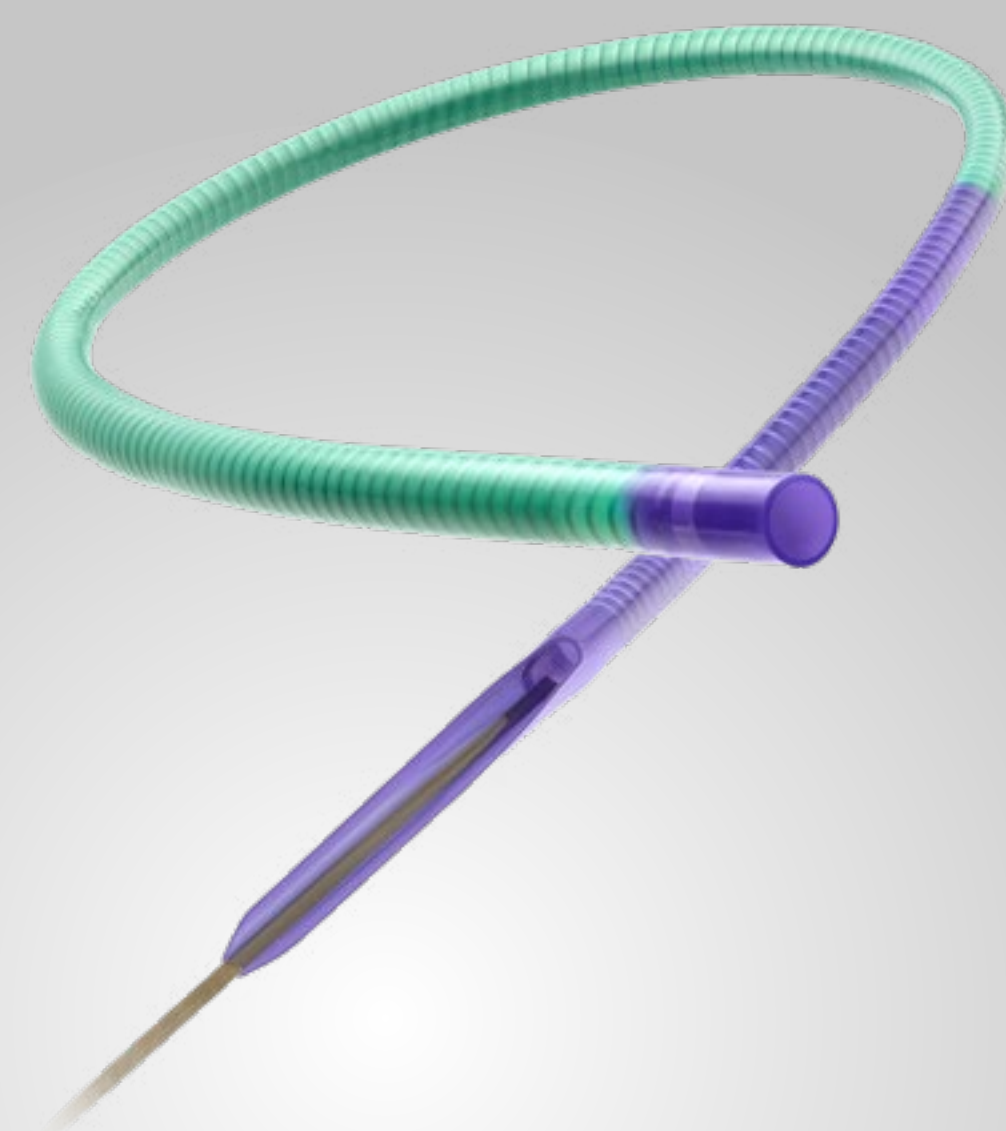
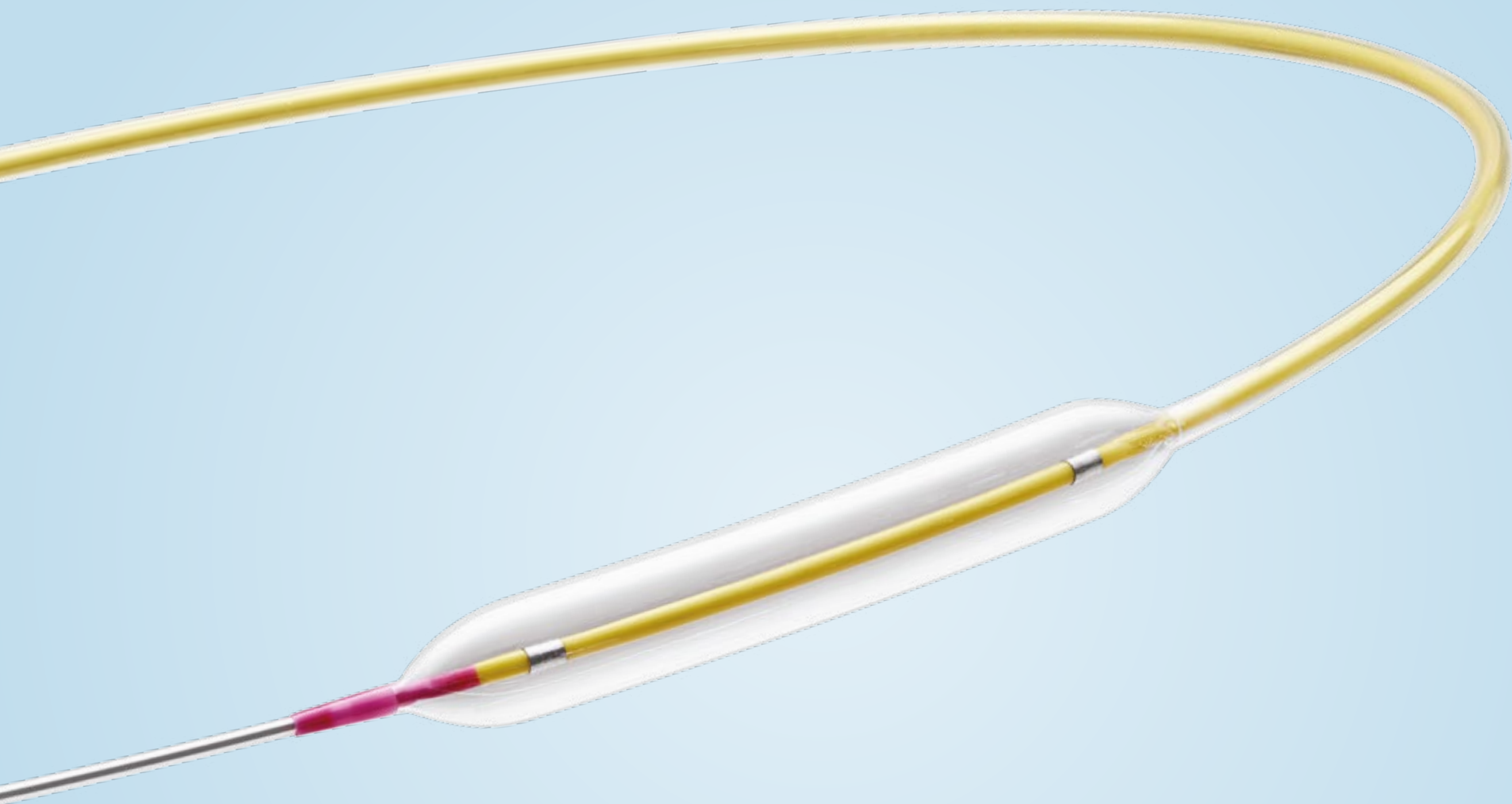
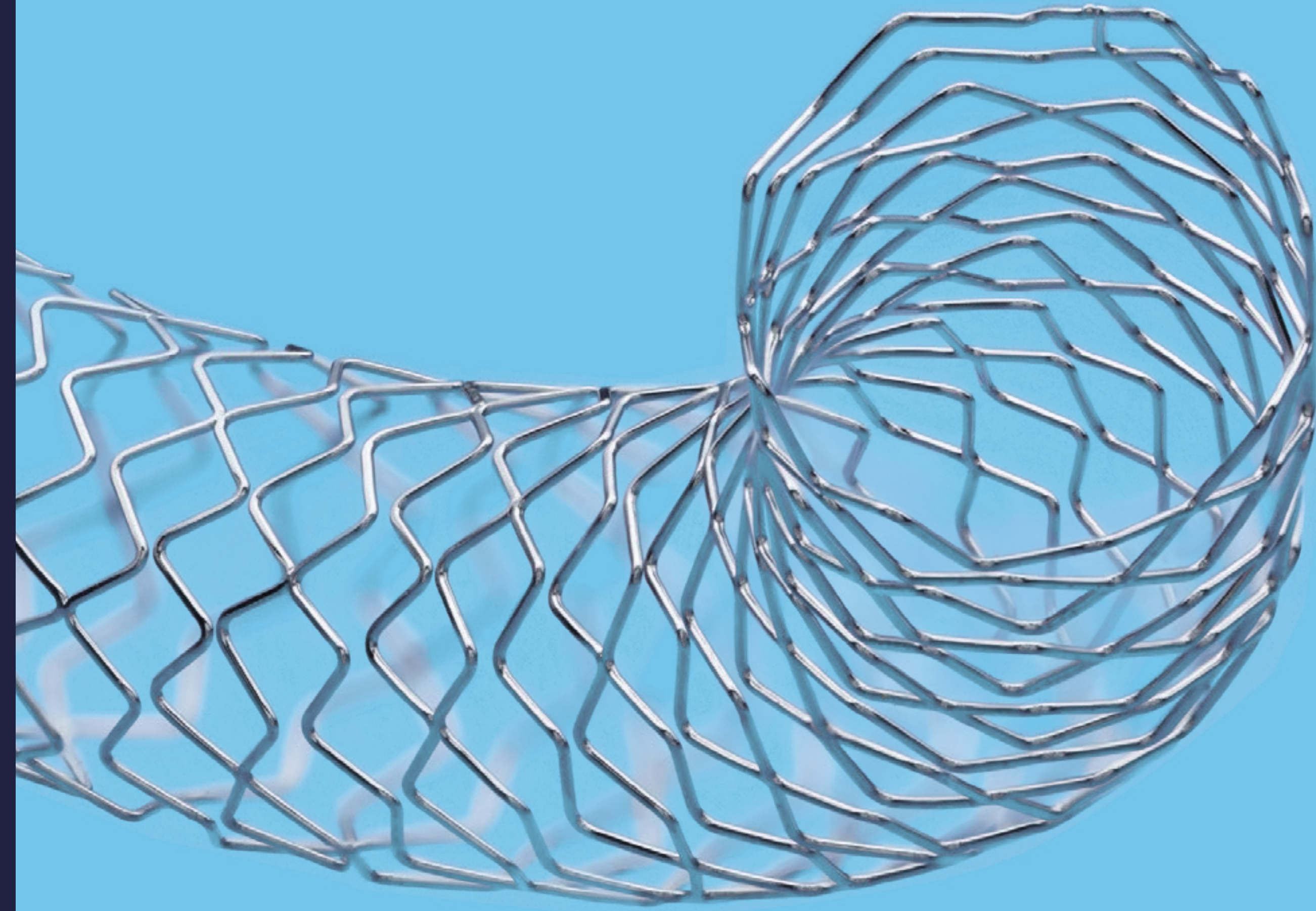
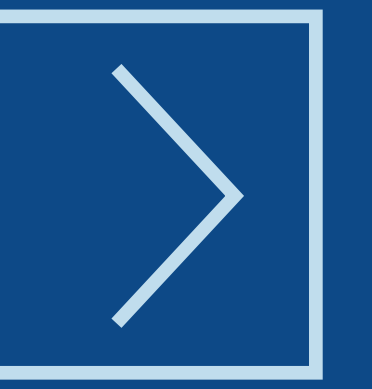
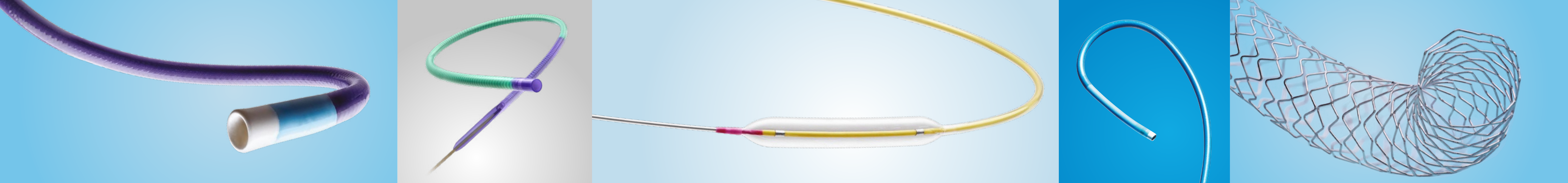


# CORONARY PRODUCT CATALOG



**Medtronic**  
Further, Together



# CONTENTS

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## DRUG-ELUTING STENTS

- a. Resolute Onyx™
- b. Resolute Integrity™

---

## BARE METAL STENTS

- a. Integrity™

---

## BALLOON DILATATION CATHETERS

- a. Euphora™ RX
- b. NC Euphora™ RX
- c. Sprinter Legend™ RX/OTW
- d. Sprinter™ OTW
- e. NC Stormer™ OTW

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## GUIDE EXTENSION, MICROCATHERETERS, AND GUIDE

- a. Telescope™
- b. Telemark™
- c. Launcher™
- d. Sherpa NX™ Balanced

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## INTERVENTIONAL GUIDEWIRES

- a. Zinger™ Stainless Steel Workhorse
- b. Intuition™ Advanced Workhorse
- c. Cougar™ Nitinol Workhorse
- d. ProVia™ Crossing
- e. Thunder™ Extra-Support

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## ASPIRATION CATHETERS

- a. Export Advance™
- b. Export™ AP
- c. Export™ 7 F

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## DIAGNOSTIC CATHETERS

- a. DxTerity™ and DxTerity™ TRA

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## FEMORAL INTRODUCERS

- a. Adelante Sigma

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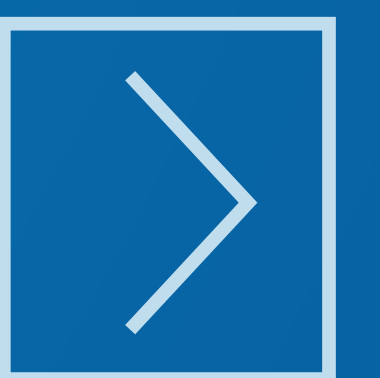
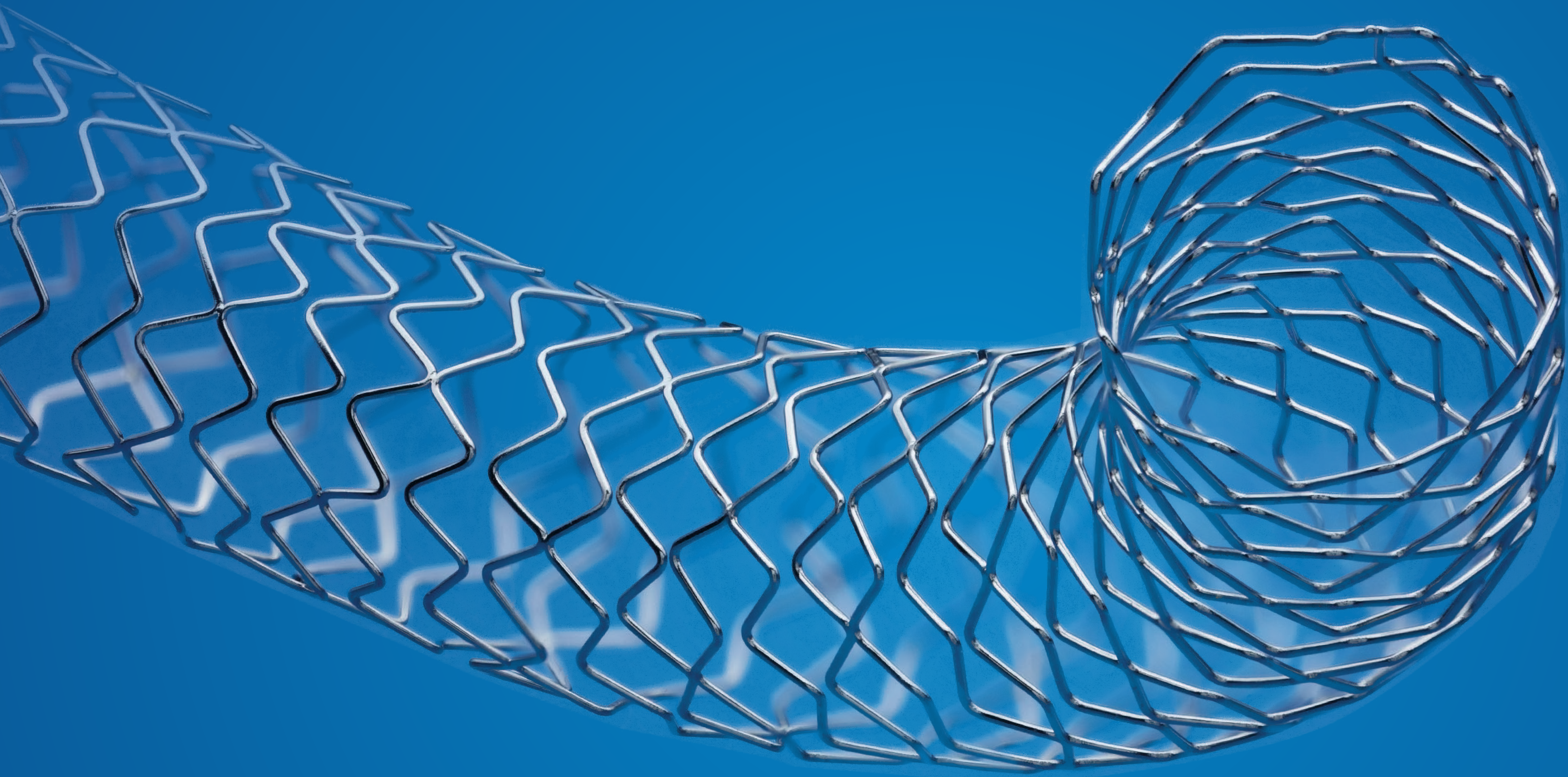
## INTERVENTIONAL ACCESSORIES

- a. Everest™ Inflation Device and Accessories
- b. Piton™ Disposable Adaptors and Stretch™ Insertion Tool
- c. Pulmonary Wedge Pressure Catheter (PWP) for Hemodynamic Monitoring

---

**Important Information:** Prior to use, refer to the product Instructions for Use supplied with these devices for indications, contraindications, side effects, suggested procedure, warnings, and precautions.

# DRUG-ELUTING STENTS



# CORONARY STENTS



## Resolute Onyx™ Drug-eluting Stent (DES) System (RX)



### GENERAL CHARACTERISTICS

- Supplied sterile
- Items per box: 1
- Label color: White/yellow

### PRODUCT DESCRIPTION

Resolute Onyx™ DES combines continuous sinusoid technology and Core Wire technology in a novel manufacturing process. The result is an advanced workhorse ready for your complex cases, offering a broad size matrix, thinner struts, exceptional deliverability, and enhanced visibility — without compromising structural strength.<sup>1</sup>

### RESOLUTE ONYX™ RAPID EXCHANGE (RX) DES SYSTEM

Lubricious hydrophilic coating for reduced drag<sup>1</sup> | Proximal shaft OD: 2.1 F (0.69 mm) | PowerTrac™ technology enhances deliverability<sup>1</sup> | Resilient hypotube for high shaft column strength<sup>1</sup>

Enhanced balloon material improves flexibility and trackability<sup>1</sup> | Distal shaft OD: 2.0 – 4.0 mm 2.7 F (0.91 mm) | Distal shaft OD: 4.5 and 5.0 mm 3.2 F (1.07 mm) | Platinum-iridium core and marker bands enhance visibility for more accurate stent placement<sup>1</sup> | Reduced catheter profile under the stent enables lower crossing profiles<sup>1</sup>

### PRODUCT CODE (RX)

RONYX 200 08 UX

- Product code
- Diameter
- Length
- Rapid exchange

<sup>1</sup>Bench test data on file at Medtronic. May not be indicative of clinical performance.

# CORONARY STENTS

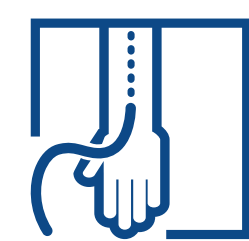


## Resolute Onyx™ Drug-eluting Stent System (RX)



### ORDERING INFO (RX)

Resolute Onyx™ DES RX are 5 F compatible



STENT DIAMETER (MM)	STENT LENGTH (MM)								
	8	12	15	18	22	26	30	34	38
2.00	RONYX20008UX	RONYX20012UX	RONYX20015UX	RONYX20018UX	RONYX20022UX	RONYX20026UX	RONYX20030UX	—	—
2.25	RONYX22508UX	RONYX22512UX	RONYX22515UX	RONYX22518UX	RONYX22522UX	RONYX22526UX	RONYX22530UX	RONYX22534UX	RONYX22538UX
2.50	RONYX25008UX	RONYX25012UX	RONYX25015UX	RONYX25018UX	RONYX25022UX	RONYX25026UX	RONYX25030UX	RONYX25034UX	RONYX25038UX
2.75	RONYX27508UX	RONYX27512UX	RONYX27515UX	RONYX27518UX	RONYX27522UX	RONYX27526UX	RONYX27530UX	RONYX27534UX	RONYX27538UX
3.00	RONYX30008UX	RONYX30012UX	RONYX30015UX	RONYX30018UX	RONYX30022UX	RONYX30026UX	RONYX30030UX	RONYX30034UX	RONYX30038UX
3.50	RONYX35008UX	RONYX35012UX	RONYX35015UX	RONYX35018UX	RONYX35022UX	RONYX35026UX	RONYX35030UX	RONYX35034UX	RONYX35038UX
4.00	RONYX40008UX	RONYX40012UX	RONYX40015UX	RONYX40018UX	RONYX40022UX	RONYX40026UX	RONYX40030UX	RONYX40034UX	RONYX40038UX
4.50	—	RONYX45012UX	RONYX45015UX	RONYX45018UX	RONYX45022UX	RONYX45026UX	RONYX45030UX	—	—
5.00	—	RONYX50012UX	RONYX50015UX	RONYX50018UX	RONYX50022UX	RONYX50026UX	RONYX50030UX	—	—

≥ 5 F min. guide catheter I.D.: 1.42 mm (0.056 in)

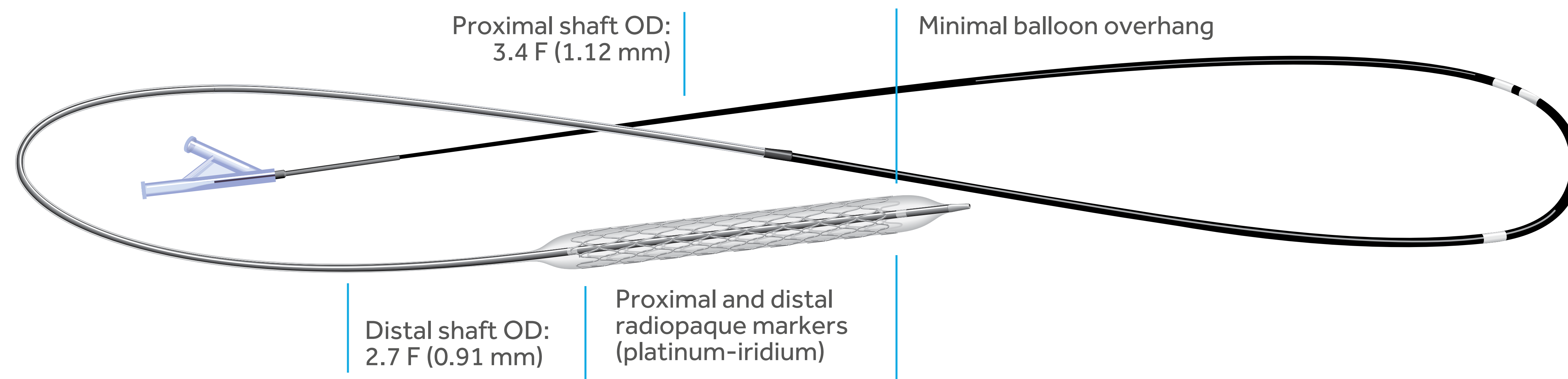
# CORONARY STENTS



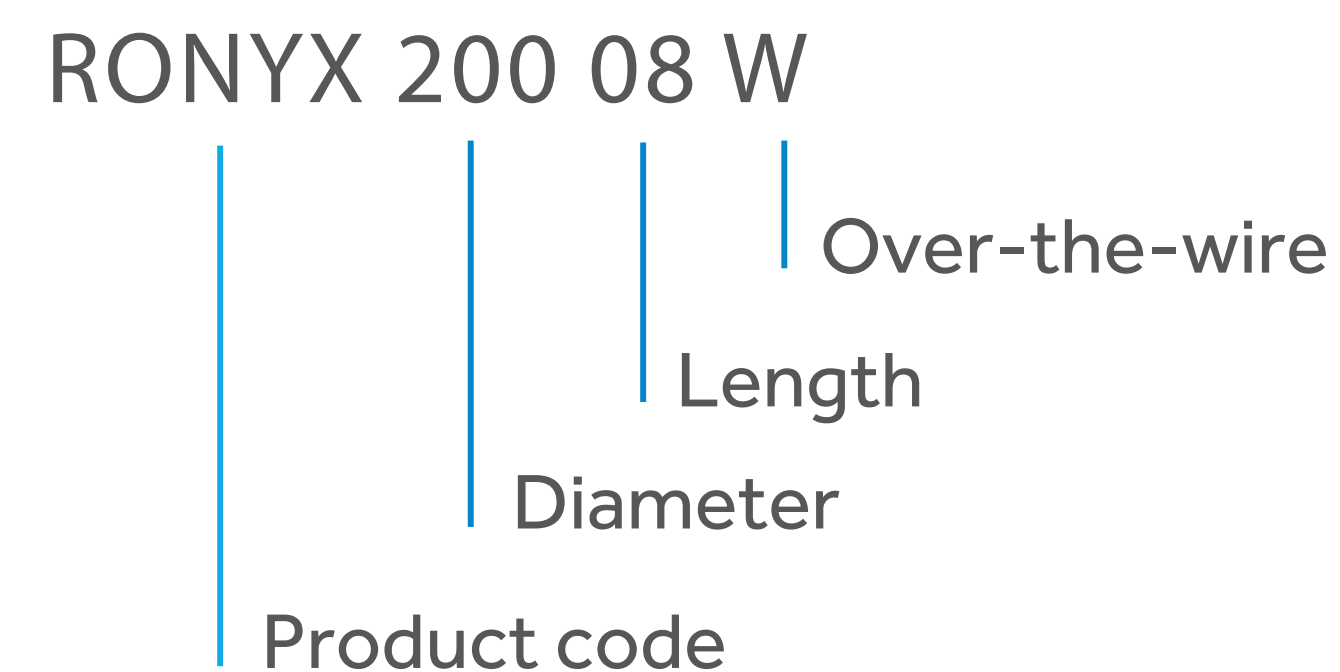
## Resolute Onyx™ Drug-eluting Stent System (OTW)



### RESOLUTE ONYX™ OVER-THE-WIRE (OTW) DES SYSTEM

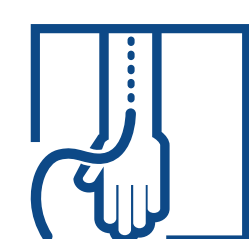


### PRODUCT CODE (OTW)



### ORDERING INFO (OTW)

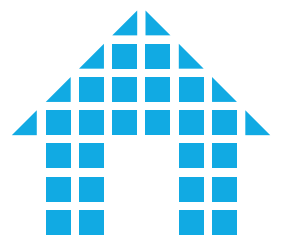
Resolute Onyx™ DES OTW are 5 F compatible



STENT DIAMETER (MM)	STENT LENGTH (MM)								
	8	12	15	18	22	26	30	34	38
2.00	RONYX20008W	RONYX20012W	RONYX20015W	RONYX20018W	RONYX20022W	RONYX20026W	RONYX20030W	—	—
2.25	RONYX22508W	RONYX22512W	RONYX22515W	RONYX22518W	RONYX22522W	RONYX22526W	RONYX22530W	RONYX22534W	RONYX22538W
2.50	RONYX25008W	RONYX25012W	RONYX25015W	RONYX25018W	RONYX25022W	RONYX25026W	RONYX25030W	RONYX25034W	RONYX25038W
2.75	RONYX27508W	RONYX27512W	RONYX27515W	RONYX27518W	RONYX27522W	RONYX27526W	RONYX27530W	RONYX27534W	RONYX27538W
3.00	RONYX30008W	RONYX30012W	RONYX30015W	RONYX30018W	RONYX30022W	RONYX30026W	RONYX30030W	RONYX30034W	RONYX30038W
3.50	RONYX35008W	RONYX35012W	RONYX35015W	RONYX35018W	RONYX35022W	RONYX35026W	RONYX35030W	RONYX35034W	RONYX35038W
4.00	RONYX40008W	RONYX40012W	RONYX40015W	RONYX40018W	RONYX40022W	RONYX40026W	RONYX40030W	RONYX40034W	RONYX40038W

≥ 5 F min. guide catheter I.D.: 1.42 mm (0.056 in)

# CORONARY STENTS



## Resolute Onyx™ Drug-eluting Stent System



### COMPLIANCE DATA

PRESSURE (ATM)	STENT DIAMETER, DEPLOYED STENT I.D. (MM)									
	2.00	2.25	2.50	2.75	3.00	3.50	4.00	4.50 <sup>†</sup>	5.00 <sup>†</sup>	
7 (709 kPa)	1.85	2.05	2.25	2.45	2.75	3.05	3.60	4.10	4.55	
8 (811 kPa)	1.90	2.10	2.30	2.55	2.80	3.15	3.70	4.20	4.65	
9 (912 kPa)	1.90	2.15	2.35	2.60	2.90	3.25	3.80	4.30	4.80	
10 (1013 kPa)	1.95	2.20	2.45	2.65	2.95	3.35	3.85	4.40	4.90	
11 (1115 kPa)	2.00	2.25	2.50	2.70	3.00	3.40	3.95	4.45	4.95	
12 (1216 kPa)	2.05	2.30	2.55	2.75	3.05	3.45	4.00	4.50	5.05	
13 (1317 kPa)	2.05	2.35	2.55	2.80	3.10	3.50	4.05	4.55	5.10	
14 (1419 kPa)	2.10	2.35	2.60	2.80	3.10	3.55	4.05	4.60	5.15	
15 (1520 kPa)	2.10	2.35	2.60	2.85	3.15	3.55	4.10	4.65	5.20	
16 (1621 kPa)	2.15	2.40	2.65	2.90	3.20	3.60	4.15	4.70	5.25	
17 (1723 kPa)	2.15	2.40	2.70	2.90	3.20	3.65	4.20	4.80	5.30	
18 (1824 kPa)	2.20	2.45	2.70	2.95	3.25	3.70	4.25	4.85	5.35	
19 (1925 kPa)	2.20	2.45	2.75	3.00	3.30	3.75	4.30	–	–	
20 (2027 kPa)	2.25	2.50	2.75	3.00	3.35	3.80	4.35	–	–	
21 (2128 kPa)	2.25	2.50	2.80	3.05	3.40	3.80	4.40	–	–	
MSID	3.50	3.50	3.50	4.00	4.00	5.00	5.00	6.00	6.00	
Nominal pressure	Rated burst pressure <sup>1</sup>		Maximum Stent I.D. <sup>2</sup>							

<sup>1</sup> Do not exceed rated burst pressure.

<sup>2</sup> Do not postdilate greater than listed value.

<sup>†</sup> 4.50 and 5.00 mm diameters not available in OTW.



# CORONARY STENTS



## Resolute Integrity™ Drug-eluting Stent System (RX)



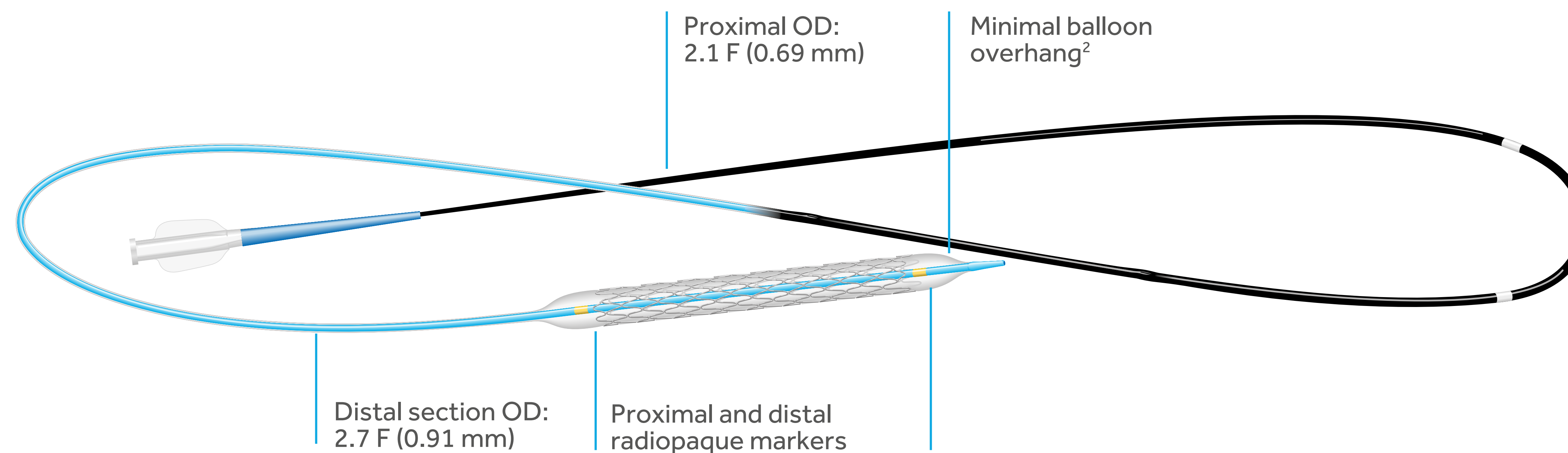
### GENERAL CHARACTERISTICS

- Supplied sterile
- Items per box: 1
- Label color: White

### PRODUCT DESCRIPTION

The Resolute Integrity™ drug-eluting coronary stent simplifies everyday challenges in your increasingly complex clinical practice. Featuring the unique continuous sinusoid technology of Integrity™ BMS and a biocompatible polymer specifically designed for DES, Resolute Integrity™ DES delivers excellent acute performance and powerful clinical performance.<sup>1,2</sup>

### RESOLUTE INTEGRITY™ RAPID EXCHANGE (RX) DES SYSTEM



<sup>1</sup> Resolute Integrity DES IFU.

<sup>2</sup> Bench test data on file with Medtronic. May not be indicative of clinical performance.



# CORONARY STENTS

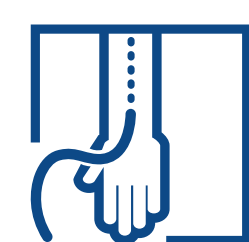


## Resolute Integrity™ Drug-eluting Stent System (RX)



### ORDERING INFO (RX)

Resolute Integrity™ DES RX are 5 F compatible



STENT DIAMETER (MM)	STENT LENGTH (MM)						
	8	12	14	18	22	26	30
2.25	RSINT22508UX	RSINT22512UX	RSINT22514UX	RSINT22518UX	RSINT22522UX	RSINT22526UX	RSINT22530UX
2.50	RSINT25008UX	RSINT25012UX	RSINT25014UX	RSINT25018UX	RSINT25022UX	RSINT25026UX	RSINT25030UX
2.75	RSINT27508UX	RSINT27512UX	RSINT27514UX	RSINT27518UX	RSINT27522UX	RSINT27526UX	RSINT27530UX

STENT DIAMETER (MM)	STENT LENGTH (MM)								
	9	12	15	18	22	26	30	34	38
3.00	RSINT30009UX	RSINT30012UX	RSINT30015UX	RSINT30018UX	RSINT30022UX	RSINT30026UX	RSINT30030UX	RSINT30034UX	RSINT30038UX
3.50	RSINT35009UX	RSINT35012UX	RSINT35015UX	RSINT35018UX	RSINT35022UX	RSINT35026UX	RSINT35030UX	RSINT35034UX	RSINT35038UX
4.00	RSINT40009UX	RSINT40012UX	RSINT40015UX	RSINT40018UX	RSINT40022UX	RSINT40026UX	RSINT40030UX	RSINT40034UX	RSINT40038UX

≥ 5 F minimum guide catheter I.D. 1.42 mm (0.056 in)

# CORONARY STENTS



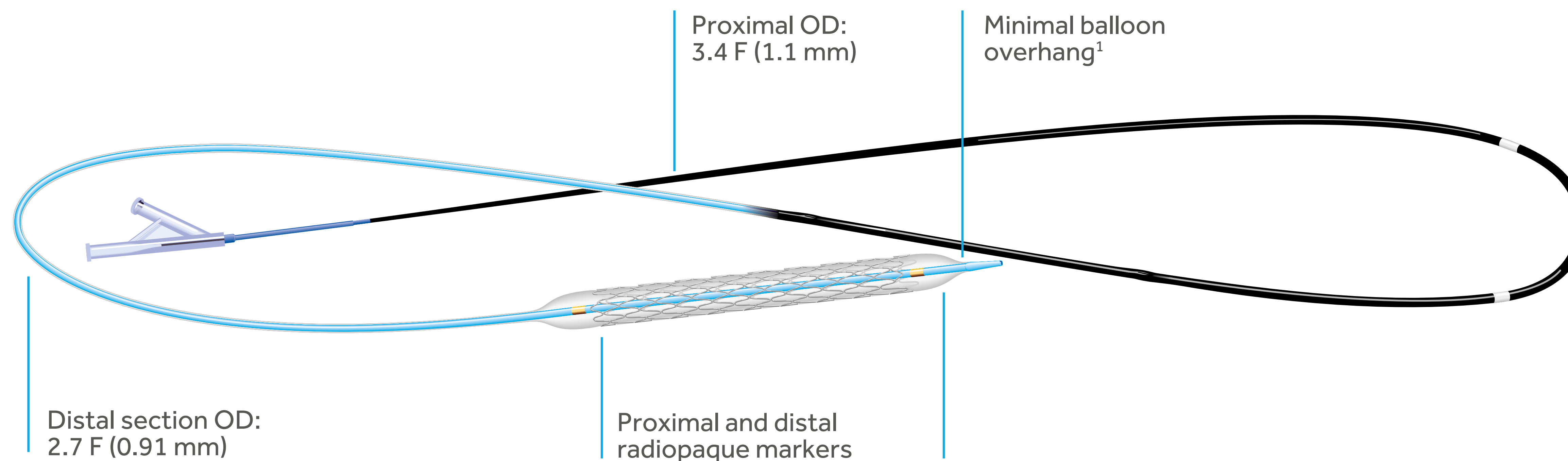
## Resolute Integrity™ Drug-eluting Stent System (OTW)



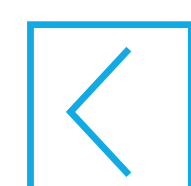
### PRODUCT DESCRIPTION

Resolute Integrity™ DES, built on the Integrity™ platform, delivers an antiproliferative drug, zotarolimus, via the BioLinx™ biocompatible polymer. The low-profile, cobalt-alloy stent is mounted on the extended pressure, semicompliant, OTW MicroTrac™ delivery system.<sup>1</sup>

### RESOLUTE INTEGRITY™ OVER-THE-WIRE (OTW) DES SYSTEM



<sup>1</sup>Bench test data on file at Medtronic. May not be indicative of clinical performance.



# CORONARY STENTS

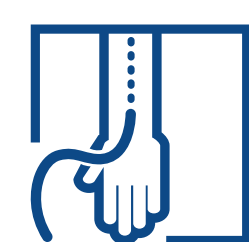


## Resolute Integrity™ Drug-eluting Stent System (OTW)



### ORDERING INFO (OTW)

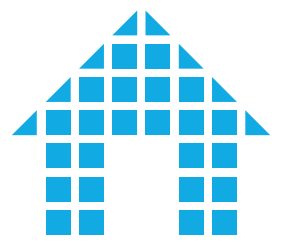
Resolute Integrity™ DES OTW are 5 F compatible



STENT DIAMETER (MM)	STENT LENGTH (MM)						
	8	12	14	18	22	26	30
2.25	RSINT22508W	RSINT22512W	RSINT22514W	RSINT22518W	RSINT22522W	RSINT22526W	RSINT22530W
2.50	RSINT25008W	RSINT25012W	RSINT25014W	RSINT25018W	RSINT25022W	RSINT25026W	RSINT25030W
2.75	RSINT27508W	RSINT27512W	RSINT27514W	RSINT27518W	RSINT27522W	RSINT27526W	RSINT27530W

STENT DIAMETER (MM)	STENT LENGTH (MM)								
	9	12	15	18	22	26	30	34	38
3.00	RSINT30009W	RSINT30012W	RSINT30015W	RSINT30018W	RSINT30022W	RSINT30026W	RSINT30030W	RSINT30034W	RSINT30038W
3.50	RSINT35009W	RSINT35012W	RSINT35015W	RSINT35018W	RSINT35022W	RSINT35026W	RSINT35030W	RSINT35034W	RSINT35038W
4.00	RSINT40009W	RSINT40012W	RSINT40015W	RSINT40018W	RSINT40022W	RSINT40026W	RSINT40030W	RSINT40034W	RSINT40038W

# CORONARY STENTS



## Resolute Integrity™ Drug-eluting Stent System



### COMPLIANCE DATA

PRESSURE (ATM)	DIAMETER (MM)					
	2.25	2.50	2.75	3.00	3.50	4.00
6 (608 kPa)	2.20	2.45	2.70	2.90	3.30	3.75
7 (709 kPa)	2.20	2.45	2.70	2.95	3.35	3.80
8 (811 kPa)	2.25	2.50	2.75	3.00	3.40	3.90
9 (912 kPa)	2.30	2.55	2.80	3.05	3.50	3.95
10 (1013 kPa)	2.30	2.60	2.85	3.10	3.55	4.05
11 (1115 kPa)	2.35	2.60	2.90	3.15	3.60	4.10
12 (1216 kPa)	2.40	2.65	2.95	3.20	3.65	4.15
13 (1317 kPa)	2.40	2.70	3.00	3.20	3.70	4.20
14 (1419 kPa)	2.45	2.70	3.05	3.25	3.75	4.25
15 (1520 kPa)	2.50	2.75	3.10	3.30	3.80	4.30
16 (1621 kPa)	2.55	2.80	3.15	3.35	3.85	4.35
17 (1723 kPa)	2.60	2.80	3.20	3.40	3.90	4.40
18 (1824 kPa)	2.60	2.85	3.25	3.45	3.95	4.45
19 (1925 kPa)	—	2.90	3.30	3.50	4.00	4.50
20 (2027 kPa)	—	2.95	3.40	3.55	4.05	—
MSID	3.50	3.50	3.50	4.75	4.75	4.75

Nominal pressure	Rated burst pressure <sup>†</sup>	Maximum Stent I.D. <sup>‡</sup>
------------------	-----------------------------------	---------------------------------

<sup>†</sup>Do not exceed rated burst pressure.

<sup>‡</sup>Do not dilate the 2.25–2.75 mm stents to greater than 3.50 mm. Do not dilate the 3.00–4.00 mm stents to greater than 4.75 mm.

# BRIEF STATEMENTS



## RESOLUTE ONYX™ ZOTAROLIMUS-ELUTING CORONARY STENT SYSTEM

### Indications

The Resolute Onyx™ Zotarolimus-eluting Coronary Stent System is indicated for improving coronary luminal diameters in patients, including those with diabetes mellitus or high bleeding risk, with symptomatic ischemic heart disease due to de novo lesions of length  $\leq 35$  mm in native coronary arteries with reference vessel diameters of 2.0 mm to 5.0 mm. In addition, the Resolute Onyx™ Zotarolimus-eluting Coronary Stent System is indicated for treating de novo chronic total occlusions.

### Contraindications

The Resolute Onyx™ Zotarolimus-eluting Coronary Stent System is contraindicated for use in:

- Patients with a known hypersensitivity or allergies to aspirin, heparin, bivalirudin, clopidogrel, prasugrel, ticagrelor, ticlopidine, drugs such as zotarolimus, tacrolimus, sirolimus, everolimus, or similar drugs or any other analogue or derivative
- Patients with a known hypersensitivity to the cobalt-based alloy (cobalt, nickel, chromium, and molybdenum) or platinum-iridium alloy
- Patients with a known hypersensitivity to the BioLinx™

polymer or its individual components

Coronary artery stenting is contraindicated for use in:

- Patients in whom antiplatelet and/or anticoagulation therapy is contraindicated
- Patients who are judged to have a lesion that prevents complete inflation of an angioplasty balloon or proper placement of the stent or stent delivery system

### Warnings

- Please ensure that the inner package has not been opened or damaged as this would indicate the sterile barrier has been breached.
- The use of this product carries the same risks associated with coronary artery stent implantation procedures, which include subacute and late vessel thrombosis, vascular complications, and/or bleeding events.
- This product should not be used in patients who are not likely to comply with the recommended antiplatelet therapy.

### Precautions

- Only physicians who have received adequate training should perform implantation of the stent.
- Subsequent

stent restenosis or occlusion may require repeat catheter-based treatments (including balloon dilatation) of the arterial segment containing the stent. The long-term outcome following repeat catheter-based treatments of previously implanted stents is not well characterized.

- The risks and benefits of the stent implantation should be assessed for patients with a history of severe reaction to contrast agents.
- Do not expose or wipe the product with organic solvents such as alcohol.
- The use of a drug-eluting stent (DES) outside of the labeled indications, including use in patients with more tortuous anatomy, may have an increased risk of adverse events, including stent thrombosis, stent embolization, MI, or death.
- Care should be taken to control the position of the guide catheter tip during stent delivery, stent deployment, and balloon withdrawal. Before withdrawing the stent delivery system, confirm complete balloon deflation using fluoroscopy to avoid arterial damage caused by guiding catheter movement into the vessel.
- Stent thrombosis is a low-frequency event that is frequently associated with myocardial infarction (MI) or death.

# BRIEF STATEMENTS



## RESOLUTE ONYX™ ZOTAROLIMUS-ELUTING CORONARY STENT SYSTEM

*Continued*

Data from the RESOLUTE clinical trials have been prospectively evaluated and adjudicated using the definition developed by the Academic Research Consortium (ARC).

The safety and effectiveness of the Resolute Onyx™ stent have not yet been established in the following patient populations:

- Patients with target lesions that were treated with prior brachytherapy or the use of brachytherapy to treat in-stent restenosis of a Resolute Onyx™ stent
- Women who are pregnant or lactating
- Men intending to father children
- Pediatric patients
- Patients with coronary artery reference vessel diameters of < 2.0 mm or > 5.0 mm
- Patients with evidence of an acute ST-elevation MI within 72 hours of intended stent implantation
- Patients with vessel thrombus at the lesion site
- Patients with lesions located in a saphenous vein graft, in the left main coronary artery, ostial lesions, or bifurcation lesions
- Patients with diffuse disease or poor flow distal to identified lesions
- Patients with three-vessel disease

The safety and effectiveness of the Resolute Onyx™ stent have not been established in the cerebral, carotid, or peripheral vasculature.

### Oral Antiplatelet Therapy

Dual antiplatelet therapy (DAPT) using a combination treatment of aspirin with a P2Y12 platelet inhibitor after percutaneous coronary intervention (PCI), reduces the risk of stent thrombosis and ischemic cardiac events, but increases the risk of bleeding complications. The optimal duration of DAPT (specifically a P2Y12 platelet inhibitor in addition to aspirin) following DES implantation is unknown, and DES thrombosis may still occur despite continued therapy. It is very important that the patient is compliant with the post-procedural antiplatelet recommendations.

Per 2016 ACC/AHA guidelines,<sup>1</sup> a daily aspirin dose of 81 mg is recommended indefinitely after PCI. A P2Y12 platelet inhibitor should be given daily for at least 6 months in stable ischemic heart disease patients and for at least 12 months in patients with acute coronary syndrome (ACS). Consistent with the DAPT Study,<sup>2</sup> and the 2016 ACC/AHA

guidelines, longer duration of DAPT may be considered in patients at higher ischemic risk with lower bleeding risk. The Academic Research Consortium (ARC) proposed a standardized definition for identifying patients at high bleeding risk (HBR).<sup>3</sup> Additionally, evidence from a dedicated study of Resolute Onyx in HBR patients and those who are unable to tolerate long term DAPT after PCI has been published.<sup>4</sup>

Based on the Onyx ONE Clear Analysis, Resolute Onyx is safe and effective in patients at high risk of bleeding treated with one month of DAPT. The patients evaluated in the Onyx ONE Clear Analysis met the pre-defined criteria for high bleeding risk and were those whom in the opinion of their physician, the potential benefit of 1-Month DAPT outweighed the potential risk. In addition to at least one HBR risk factor, enrollment included 48.6% ACS patients (unstable angina 22.8%, Non-STEMI 21.7% and STEMI 4.2%).

Decisions about duration of DAPT are best made on an individual basis and should integrate clinical judgment, assessment of the benefit/risk ratio, and patient preference. Premature discontinuation or interruption of

<sup>1</sup> Levine GN, et al. 2016 ACC/AHA Guideline Focused Update on Duration of Dual Antiplatelet Therapy in Patients With Coronary Artery Disease: A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines. *J Am Coll Cardiol.* 2016; doi:10.1016/j.jacc.2016.03.513. For full text, please refer to the following website: <http://content.onlinejacc.org/article.aspx?doi=10.1016/j.jacc.2016.03.513>

<sup>2</sup> Mauri L, et al. Twelve or 30 months of dual antiplatelet therapy after drug-eluting stents. *N Engl J Med.* 2014; 371:2155–66.

<sup>3</sup> Urban P, Mehran R, Colleran R, et al. Defining High Bleeding Risk in Patients Undergoing Percutaneous Coronary Intervention. *Circulation.* 2019;140:240–6.

<sup>4</sup> Windecker S, Latib A, Kedhi E, et al. Polymer-based or Polymer-free Stents in Patients at High Bleeding Risk. *N Engl J Med.* 2020;10.1056/NEJMoa1910021.

# BRIEF STATEMENTS



## RESOLUTE ONYX™ ZOTAROLIMUS-ELUTING CORONARY STENT SYSTEM

*Continued*

prescribed antiplatelet medication could result in a higher risk of stent thrombosis, MI, or death. Before PCI, if premature discontinuation of antiplatelet therapy is anticipated, physicians should carefully evaluate with the patient whether a DES and its associated recommended DAPT regimen is the appropriate PCI choice.

Following PCI, if elective noncardiac surgery requiring suspension of antiplatelet therapy is considered, the risks and benefits of the procedure should be weighed against the possible risk associated with interruption of antiplatelet therapy. Patients who require premature DAPT discontinuation should be carefully monitored for cardiac events. At the discretion of the patient's treating physician(s), the antiplatelet therapy should be restarted as soon as possible.

### Potential Adverse Events

Other risks associated with using this device are those associated with percutaneous coronary diagnostic (including angiography and IVUS) and treatment procedures. These risks (in alphabetical order) may include but are not limited to: ▪ Abrupt vessel

closure ▪ Access site pain, hematoma, or hemorrhage ▪ Allergic reaction (to contrast, antiplatelet therapy, stent material, or drug and polymer coating)

- Aneurysm, pseudoaneurysm, or arteriovenous fistula (AVF)
- Arrhythmias, including ventricular fibrillation
- Balloon rupture
- Bleeding
- Cardiac tamponade
- Coronary artery occlusion, perforation, rupture, or dissection
- Coronary artery spasm
- Death
- Embolism (air, tissue, device, or thrombus)
- Emergency surgery: peripheral vascular or coronary bypass
- Failure to deliver the stent
- Hemorrhage requiring transfusion
- Hypotension/hypertension
- Incomplete stent apposition
- Infection or fever
- MI
- Pericarditis
- Peripheral ischemia/peripheral nerve injury
- Renal failure
- Restenosis of the stented artery
- Shock/pulmonary edema
- Stable or unstable angina
- Stent deformation, collapse, or fracture
- Stent migration or embolization
- Stent misplacement
- Stroke/transient ischemic attack
- Thrombosis (acute, subacute, or late)

### Adverse Events Related to Zotarolimus

Patients' exposure to zotarolimus is directly related to the total amount of stent length implanted. The actual

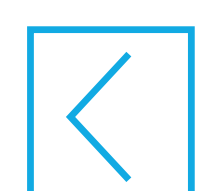
side effects/complications that may be associated with the use of zotarolimus are not fully known. The adverse events that have been associated with the intravenous injection of zotarolimus in humans include but are not limited to:

- Anemia
- Diarrhea
- Dry skin
- Headache
- Hematuria
- Infection
- Injection site reaction
- Pain (abdominal, arthralgia, injection site)
- Rash

Please reference appropriate product *Instructions for Use* for more information regarding indications, warnings, precautions, and potential adverse events.

**CAUTION:** Federal (USA) law restricts this device to sale by or on the order of a physician.

For further information, please call and/or consult Medtronic at the toll-free numbers or websites listed.



# BRIEF STATEMENTS



## RESOLUTE INTEGRITY™ ZOTAROLIMUS-ELUTING CORONARY STENT SYSTEM

### Indications

The Resolute Integrity Zotarolimus-Eluting Coronary Stent System is indicated for improving coronary luminal diameters in patients, including those with diabetes mellitus, with symptomatic ischemic heart disease due to de novo lesions of length  $\leq 35$  mm in native coronary arteries with reference vessel diameters of 2.25 mm to 4.20 mm. In addition, the Resolute Integrity Zotarolimus-Eluting Coronary Stent System is indicated for treatment of de novo chronic total occlusions.

### Contraindications

The Resolute Integrity Zotarolimus-Eluting Coronary Stent System is contraindicated for use in:
 

- Patients with a known hypersensitivity or allergies to aspirin, heparin, bivalirudin, clopidogrel, prasugrel, ticagrelor, ticlopidine, drugs such as zotarolimus, tacrolimus, sirolimus, everolimus or similar drugs or any other analogue or derivative
- Patients with a known hypersensitivity to the cobalt-based alloy (cobalt, nickel, chromium and molybdenum)
- Patients with a known hypersensitivity to the BioLinx™ polymer or its individual components

Coronary artery stenting is contraindicated for use in:

- Patients in whom antiplatelet and/or anticoagulation therapy is contraindicated
- Patients who are judged to have a lesion that prevents complete inflation of an angioplasty balloon or proper placement of the stent or stent delivery system

### Warnings

- Please ensure that the inner package has not been opened or damaged as this would indicate the sterile barrier has been breached.
- The use of this product carries the same risks associated with coronary artery stent implantation procedures, which include subacute and late vessel thrombosis, vascular complications and/or bleeding events.
- This product should not be used in patients who are not likely to comply with the recommended antiplatelet therapy.

### Precautions

- Only physicians who have received adequate training should perform implantation of the stent.
- Stent placement should only be performed at hospitals where emergency coronary artery bypass graft surgery can be readily performed.
- Subsequent stent restenosis or occlusion may require repeat catheter-based treatments (including balloon dilatation) of the

arterial segment containing the stent. The long-term outcome following repeat catheter-based treatments of previously implanted stents is not well characterized.

- The risks and benefits of the stent implantation should be assessed for patients with a history of severe reaction to contrast agents.
- Do not expose or wipe the product with organic solvents such as alcohol.
- When drug-eluting stents (DES) are used outside the specified *Indications for Use*, patient outcomes may differ from the results observed in the RESOLUTE pivotal clinical trials.
- Compared to use within the specified *Indications for Use*, the use of DES in patients and lesions outside of the labeled indications, including more tortuous anatomy, may have an increased risk of adverse events, including stent thrombosis, stent embolization, myocardial infarction (MI) or death.
- Care should be taken to control the position of the guide catheter tip during stent delivery, deployment and balloon withdrawal. Before withdrawing the stent delivery system, visually confirm complete balloon deflation by fluoroscopy to avoid guiding catheter movement into the vessel and subsequent arterial damage.
- Stent thrombosis is a low-frequency event that is frequently associated with MI or death. Data from the RESOLUTE



# BRIEF STATEMENTS



## RESOLUTE INTEGRITY™ ZOTAROLIMUS-ELUTING CORONARY STENT SYSTEM

*Continued*

clinical trials have been prospectively evaluated and adjudicated using the definition developed by the Academic Research Consortium (ARC).

The safety and effectiveness of the Resolute Integrity stent have not yet been established in the following patient populations:

- Patients with target lesions which were treated with prior brachytherapy or the use of brachytherapy to treat in-stent restenosis of a Resolute Integrity stent
- Women who are pregnant or lactating
- Men intending to father children
- Pediatric patients
- Patients with coronary artery reference vessel diameters of <2.25 mm or >4.20 mm
- Patients with coronary artery lesions longer than 35 mm or requiring more than one Resolute Integrity stent
- Patients with evidence of an acute MI within 72 hours of intended stent implantation
- Patients with vessel thrombus at the lesion site
- Patients with lesions located in a saphenous vein graft, in the left main coronary artery, ostial lesions or bifurcation lesions
- Patients with diffuse disease or poor flow distal to identified lesions
- Patients with tortuous vessels in the region of the target vessel or proximal to the lesion
- Patients with in-stent restenosis
- Patients with moderate or severe lesion calcification at the target lesion

- Patients with three-vessel disease
- Patients with a left ventricular ejection fraction of <30%
- Patients with a serum creatinine of >2.5mg/dl
- Patients with longer than 24 months of follow-up

The safety and effectiveness of the Resolute Integrity stent have not been established in the cerebral, carotid or peripheral vasculature.

### Potential Adverse Events

Other risks associated with using this device are those associated with percutaneous coronary diagnostic (including angiography and IVUS) and treatment procedures. These risks (in alphabetical order) may include but are not limited to:

- Abrupt vessel closure
- Access site pain, hematoma or hemorrhage
- Allergic reaction (to contrast, antiplatelet therapy, stent material, or drug and polymer coating)
- Aneurysm, pseudoaneurysm or arteriovenous fistula (AVF)
- Arrhythmias, including ventricular fibrillation
- Balloon rupture
- Bleeding
- Cardiac tamponade
- Coronary artery occlusion, perforation, rupture or dissection
- Coronary artery spasm
- Death
- Embolism (air, tissue, device or thrombus)
- Emergency surgery: peripheral vascular or coronary bypass
- Failure to deliver the stent
- Hemorrhage requiring transfusion

- Hypotension/hypertension
- Incomplete stent apposition
- Infection or fever
- MI
- Pericarditis
- Peripheral ischemia/peripheral nerve injury
- Renal failure
- Restenosis of the stented artery
- Shock/pulmonary edema
- Stable or unstable angina
- Stent deformation, collapse or fracture
- Stent migration (or embolization)
- Stent misplacement
- Stroke/transient ischemic attack
- Thrombosis (acute, subacute or late)

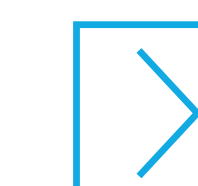
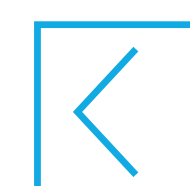
### Adverse Events Related to Zotarolimus

Patients' exposure to zotarolimus is directly related to the total amount of stent length implanted. The actual side effects/complications that may be associated with the use of zotarolimus are not fully known. The adverse events that have been associated with the intravenous injection of zotarolimus in humans include but are not limited to:

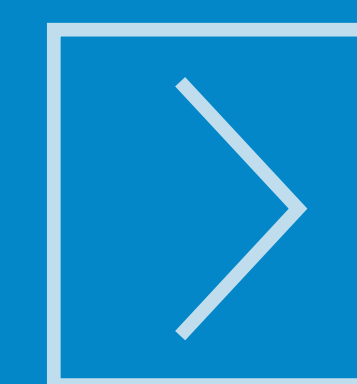
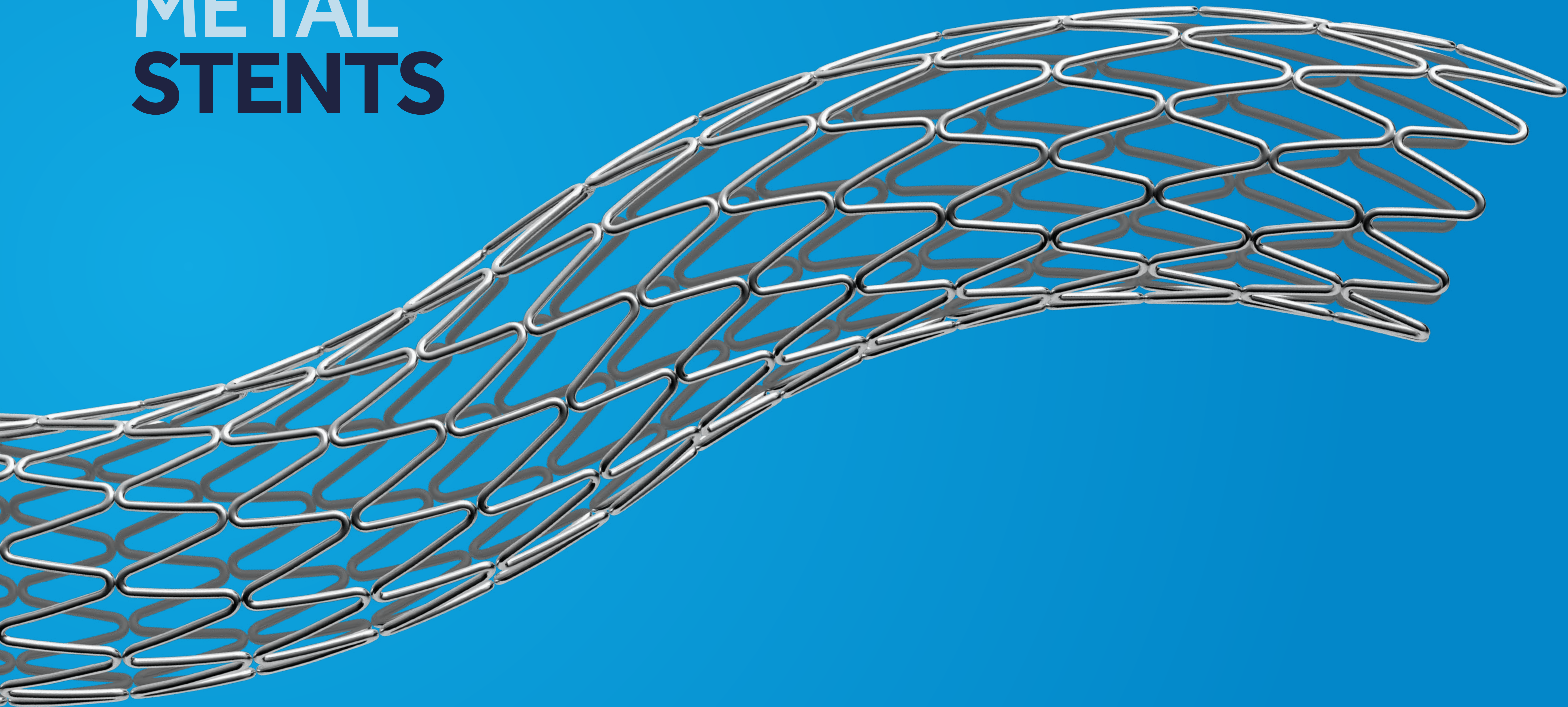
- Anemia
- Diarrhea
- Dry skin
- Headache
- Hematuria
- Infection
- Injection site reaction
- Pain (abdominal, arthralgia, injection site)
- Rash

Please reference appropriate product *Instructions for Use* for more information regarding indications, warnings, precautions and potential adverse events.

**CAUTION:** Federal (USA) law restricts this device to sale by or on the order of a physician.



# BARE METAL STENTS



# CORONARY STENTS



## Integrity™ Bare Metal Coronary Stent System



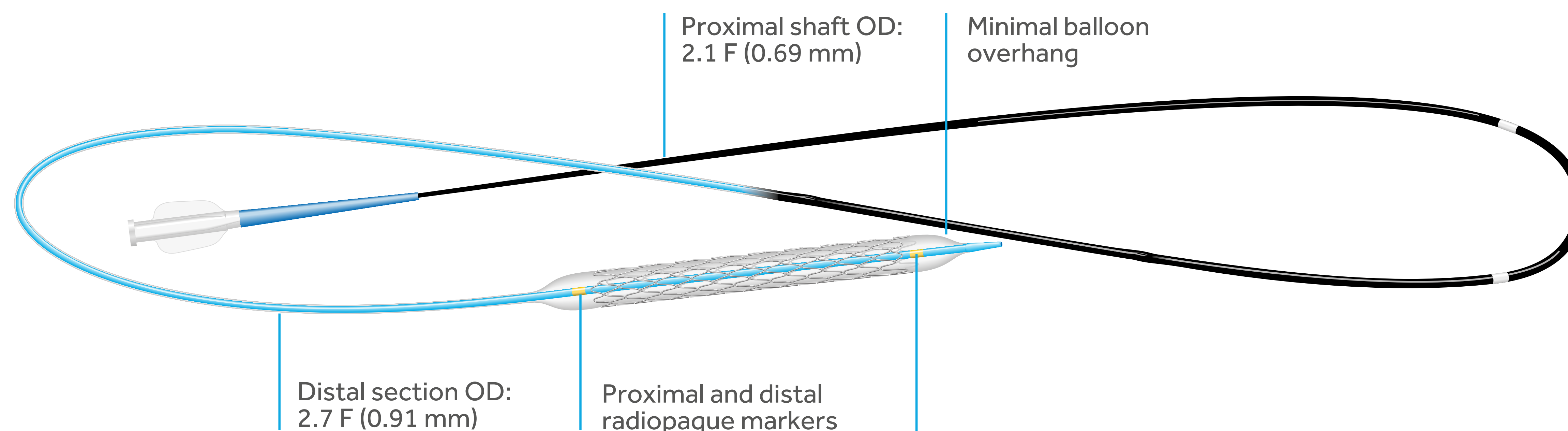
### GENERAL CHARACTERISTICS

- Supplied sterile
- Items per box: 1

### PRODUCT DESCRIPTION

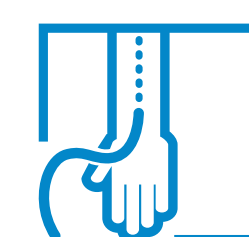
The Integrity™ bare-metal rapid exchange coronary stent system is a cobalt alloy stent manufactured using continuous sinusoid technology and mounted on the rapid exchange MicroTrac™ delivery system.

### INTEGRITY™ RAPID EXCHANGE (RX) BMS SYSTEM



### ORDERING INFO (RX)

Integrity™ BMS RX are 5 F compatible



STENT DIAMETER (MM)	STENT LENGTH (MM)									
	8	9	12	14	15	18	22	26	30	
2.25	INT22508UX	—	INT22512UX	INT22514UX	—	INT22518UX	INT22522UX	INT22526UX	—	
2.50	INT25008UX	—	INT25012UX	INT25014UX	—	INT25018UX	INT25022UX	INT25026UX	—	
2.75	INT27508UX	—	INT27512UX	INT27514UX	—	INT27518UX	INT27522UX	INT27526UX	—	
3.00	—	INT30009UX	INT30012UX	—	INT30015UX	INT30018UX	INT30022UX	INT30026UX	INT30030UX	
3.50	—	INT35009UX	INT35012UX	—	INT35015UX	INT35018UX	INT35022UX	INT35026UX	INT35030UX	
4.00	—	INT40009UX	INT40012UX	—	INT40015UX	INT40018UX	INT40022UX	INT40026UX	INT40030UX	



# CORONARY STENTS



## Integrity™ Bare Metal Coronary Stent System

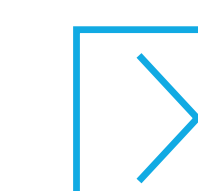
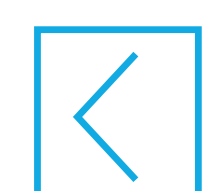


### COMPLIANCE DATA

PRESSURE KPA (ATM)	DEPLOYED STENT I.D. (MM)					
	2.25 <sup>1</sup>	2.50 <sup>1</sup>	2.75 <sup>1</sup>	3.00 <sup>1</sup>	3.50 <sup>1</sup>	4.00 <sup>1</sup>
6	2.15	2.40	2.65	2.85	3.25	3.70
7	2.20	2.45	2.70	2.90	3.30	3.75
8	2.20	2.50	2.75	2.95	3.40	3.85
9	2.25	2.55	2.80	3.05	3.45	3.90
10	2.30	2.55	2.85	3.10	3.50	4.00
11	2.35	2.60	2.90	3.10	3.55	4.05
12	2.35	2.65	2.90	3.15	3.60	4.10
13	2.40	2.65	2.95	3.20	3.65	4.15
14	2.45	2.70	3.00	3.25	3.65	4.20
15	2.50	2.75	3.05	3.30	3.70	4.25
16	2.50	2.80	3.10	3.30	3.75	4.30
17	2.55	2.80	3.15	3.35	3.80	4.35
18	2.60	2.85	3.20	3.40	3.85	4.40
19	2.65	2.90	3.25	3.45	3.90	4.45
20	2.75	2.95	3.30	3.50	3.90	—
MSID	3.50	3.50	3.50	4.75	4.75	4.75
Nominal pressure		Rated burst pressure <sup>†</sup>		Maximum Stent I.D. <sup>‡</sup>		

<sup>†</sup>Do not exceed rated burst pressure.

<sup>‡</sup>Do not dilate the 2.25–2.75 mm stents to greater than 3.50 mm. Do not dilate the 3.00–4.00 mm stents to greater than 5.00 mm.



# BRIEF STATEMENTS



## INTEGRITY™ CORONARY STENT SYSTEM

### Indications for Use

The Integrity™ Coronary Stent Systems are indicated for improving coronary luminal diameter in patients with symptomatic ischemic heart disease due to discrete de novo or restenotic lesions with reference vessel diameters of 2.25–4.0 mm and ≤30 mm in length using direct stenting or predilatation.

### Contraindications

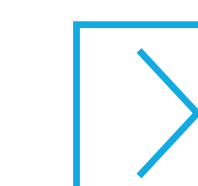
- Patients in whom antiplatelet and/or anticoagulation therapy is contraindicated
- Patients who are judged to have a lesion that prevents complete inflation of an angioplasty balloon or proper placement of a stent or stent delivery system

### Warnings/Precautions

The long-term effects of stents and the risks associated with lifelong carrying of these implants are unknown. This lack of knowledge should be considered in making a risk/benefit assessment for the patient prior to implantation.

- The Integrity™ Coronary Stent Systems are provided sterile, for one procedure only. Do not resterilize. Use by the “Use by” date noted on the package.

- Only physicians who have received appropriate training should perform implantation of the stent. Use of an Integrity™ Coronary Stent System requires advanced coronary angioplasty technical skills. The instructions will give technical guidance, but do not obviate the need for formal training in the use of the device.
- Patients allergic to cobalt alloy may suffer an allergic reaction to this implant.
- Do not remove the stent from the stent delivery system; the stent cannot be removed and placed on another balloon catheter for deployment.
- Do not try to straighten a kinked shaft or hypotube. Straightening a kinked metal shaft may result in breakage of the shaft. If the device is kinked, it should not be used.
- Significant amounts of air in the balloon may cause uneven expansion of the stent and difficulty in deployment of the stent. Do not pre-inflate balloon prior to stent deployment. Use balloon preparation technique described within this instructional material.
- The Integrity™ Coronary Stent Systems do not provide for distal dye injections or pressure measurements through the guidewire lumen.
- Expansion of the stent should not be undertaken if the stent is not appropriately positioned in the vessel. If the position of the stent is not optimal, it should not be expanded.
- Incomplete deployment of the stent (i.e., stent not fully expanded) may cause procedural complications resulting in patient injury.
- Advancement of an Integrity™ Coronary Stent System through a previously stented segment may cause procedural complications resulting in patient injury.
- Placement of the stent has the potential to compromise sidebranch patency.
- Administer appropriate anticoagulant/antiplatelet and coronary artery vasodilator therapy according to current medical guidelines and manufacturer’s instructions.
- Caution must be taken when using ancillary equipment, such as intravascular ultrasound catheters, to avoid dislodgement or deformation of the stent.



# BRIEF STATEMENTS



## INTEGRITY™ CORONARY STENT SYSTEM

*Continued*

- When multiple stents are required, stent materials should be of similar composition. Placing multiple stents of different materials in contact with each other may increase the potential for corrosion. Data obtained from in vitro corrosion tests using a cobalt alloy stent (Medtronic Integrity™ Coronary Stent) in combination with a stainless steel alloy stent (Boston Scientific Liberté® Coronary Stent) do not suggest an increased risk of in vivo corrosion.
- When using two wires, care should be taken when introducing, torquing and removing one or both guidewires to avoid entanglement. It is recommended that one guidewire be completely withdrawn from the patient before removing any additional equipment.
- Stent placement should only be performed at hospitals where emergency coronary artery bypass graft surgery can be readily performed.
- Judicious selection of patients is necessary since the use of this device carries the associated risk of subacute thrombosis, vascular complications and/or bleeding

- events. Administration of appropriate anticoagulant, antiplatelet and coronary vasodilator therapy is critical to successful stent implantation and follow-up.
- Subsequent restenosis may require repeat dilatation of the arterial segment containing the stent. The long-term outcome following repeat dilatation of endothelialized coronary stents is unknown at present.

### Potential Adverse Events

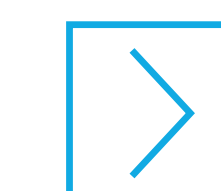
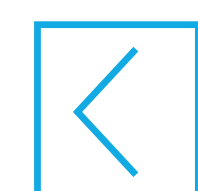
The following complications may be associated with the use of coronary stenting devices or PTCA:

- Acute myocardial infarction
- Allergic reaction to contrast medium/ stent material/medications
- Arrhythmias (including ventricular fibrillation and ventricular tachycardia)
- Arteriovenous fistula
- Bleeding complications
- Cardiac tamponade
- Cerebrovascular accident/stroke
- Death
- Dissection of coronary artery
- Drug reactions
- Embolization (air, stent, tissue or thrombotic)
- Emergency coronary artery bypass graft surgery (CABG)
- Endocarditis
- Failure to deliver the stent
- Stent deformation, collapse or fracture
- Hematoma
- Hemorrhage

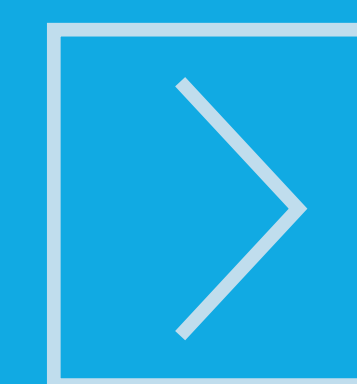
- requiring transfusion
- Injury of the coronary artery
- Myocardial ischemia/ infarction
- Pain and tenderness at the insertion site
- Perforation
- Peripheral Ischemia
- Peripheral nerve injury
- Pseudoaneurysm (coronary/ femoral/ radial)
- Pyrogenic reaction
- Restenosis of the dilated artery or stented segment
- Sepsis/infection
- Short-term hemodynamic deterioration (hypotension/hypertension)
- Stent thrombosis or occlusion
- Total occlusion of coronary artery
- Unstable angina
- Vascular thrombosis
- Vessel dissection/perforation/spasm.

Please reference appropriate product Instructions for Use for a more detailed list of indications, warnings, precautions and potential adverse events.

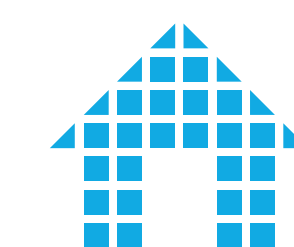
**CAUTION:** Federal (USA) law restricts this device to sale by or on the order of a physician.



# BALLOON DILATATION CATHETERS



# BALLOON DILATATION CATHETERS



## Euphora™ Semicompliant Balloon Dilatation Catheter



### GENERAL CHARACTERISTICS

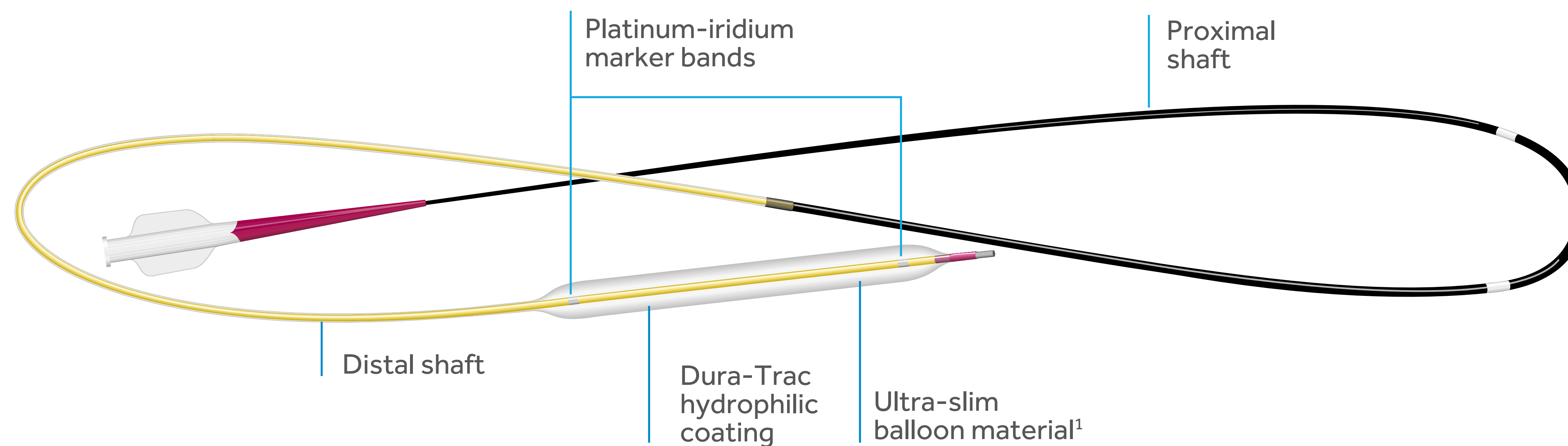
- Supplied sterile
- Items per box: 1

### PRODUCT DESCRIPTION

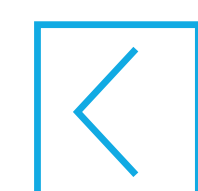
From materials to design, every Euphora™ balloon component was developed to provide excellent deliverability, crossability, and pushability<sup>1</sup>

### FEATURES

- Ultra-slim balloon material<sup>1</sup>
- Optimized miniwrap<sup>1</sup>
- Low-profile marker bands<sup>1</sup>
- Tapered shaft
- PowerTrac™ shaft technology
- Low-profile inner/outer shaft<sup>1</sup>

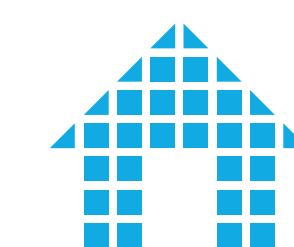


<sup>1</sup>Bench testing data on file with Medtronic. May not be indicative of clinical performance.





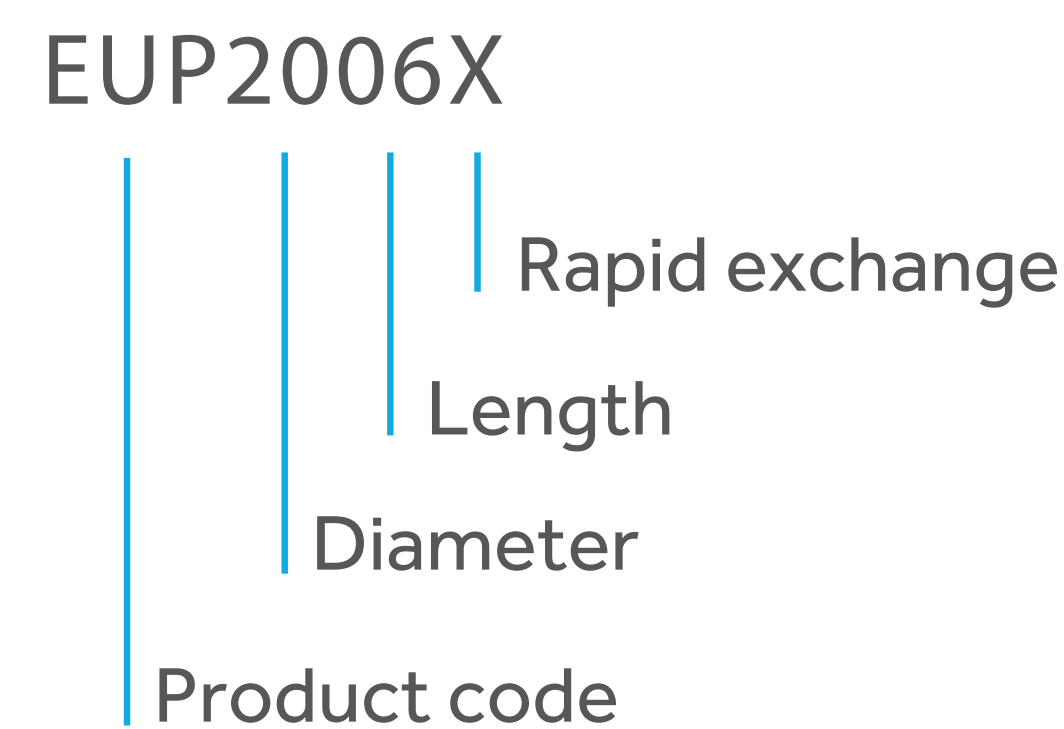
# BALLOON DILATATION CATHETERS



Euphora™ Semicompliant Balloon Dilatation Catheter

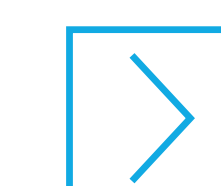


## PRODUCT CODE

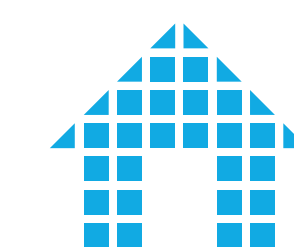


## ORDERING INFORMATION

BALLOON DIAMETER (MM)	BALLOON LENGTH (MM)						
	06	10	12	15	20	25	30
1.50	EUP1506X	EUP1510X	EUP1512X	EUP1515X	EUP1520X	—	—
2.00	EUP2006X	EUP2010X	EUP2012X	EUP2015X	EUP2020X	EUP2025X	EUP2030X
2.25	EUP22506X	EUP22510X	EUP22512X	EUP22515X	EUP22520X	EUP22525X	—
2.50	EUP2506X	EUP2510X	EUP2512X	EUP2515X	EUP2520X	EUP2525X	EUP2530X
2.75	EUP27506X	EUP27510X	EUP27512X	EUP27515X	EUP27520X	EUP27525X	—
3.00	EUP3006X	EUP3010X	EUP3012X	EUP3015X	EUP3020X	EUP3025X	EUP3030X
3.25	EUP32506X	EUP32510X	EUP32512X	EUP32515X	EUP32520X	EUP32525X	—
3.50	EUP3506X	EUP3510X	EUP3512X	EUP3515X	EUP3520X	EUP3525X	EUP3530X
3.75	EUP37506X	EUP37510X	EUP37512X	EUP37515X	EUP37520X	EUP37525X	—
4.00	EUP4006X	EUP4010X	EUP4012X	EUP4015X	EUP4020X	EUP4025X	EUP4030X



# BALLOON DILATATION CATHETERS



## Euphora™ Semicompliant Balloon Dilatation Catheter



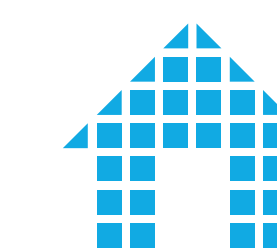
### COMPLIANCE DATA

PRESSURE KPA (ATM)	AVERAGE BALLOON DIAMETER (MM)									
	1.50	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00
608 (6)	1.49	2.03	2.27	2.50	2.70	2.92	3.17	3.39	3.66	3.88
709 (7)	1.51	2.05	2.30	2.52	2.73	2.95	3.21	3.43	3.70	3.93
811 (8)	1.52	2.07	2.32	2.55	2.77	2.99	3.25	3.48	3.75	3.99
912 (9)	1.54	2.09	2.35	2.58	2.80	3.03	3.30	3.53	3.80	4.04
1013 (10)	1.55	2.12	2.38	2.61	2.84	3.06	3.34	3.58	3.85	4.10
1115 (11)	1.57	2.14	2.41	2.64	2.87	3.10	3.38	3.62	3.90	4.14
1216 (12)	1.58	2.17	2.43	2.67	2.91	3.14	3.42	3.67	3.95	4.19
1317 (13)	1.60	2.19	2.46	2.70	2.94	3.17	3.46	3.71	4.00	4.23
1419 (14)	1.61	2.22	2.49	2.73	2.98	3.21	3.51	3.76	4.05	4.28
1520 (15)	1.62	2.25	2.52	2.76	3.02	3.25	3.56	3.81	4.10	4.33
1621 (16)	1.64	2.28	2.56	2.79	3.06	3.29	3.61	3.86	4.16	4.38
1723 (17)	1.65	—	2.60	2.83	3.11	3.34	3.66	3.91	4.22	4.43

Nominal pressure<sup>†</sup>
Rated burst pressure<sup>‡</sup>

<sup>†</sup>Nominal pressure: the pressure at which the balloon approximates its labeled diameter.  
<sup>‡</sup>Rated burst pressure: the maximum pressure to which a balloon is designed to be inflated — do not exceed.

# BALLOON DILATATION CATHETERS

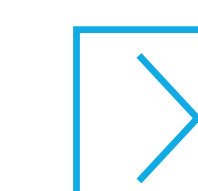
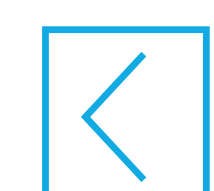


## Euphora™ Semicompliant Balloon Dilatation Catheter



### TECHNICAL INFORMATION

<b>Catheter length</b>	142 cm	
<b>Platinum-iridium marker bands</b>	1.50 mm 2.00–4.00 mm	Single Double
<b>Coating</b>	Selective Dura-Trac	
<b>Balloon material</b>	Ultra-Slim	
<b>MiniWrap</b>	1.50 mm 2.00–3.50 mm 3.75–4.00 mm	2 folds 3 folds 5 folds
<b>Shaft dimensions: 1.50 – 3.50 mm</b>	Proximal Distal	0.69 mm (2.1 F) 0.84 mm (2.5 F)
<b>Shaft dimensions: 3.75 – 4.00 mm</b>	Proximal Distal	0.69 mm (2.1 F) 0.91 mm (2.7 F)
<b>MGCID</b>	For 1.50–4.00 mm balloon	1.42 mm/0.056 in.
<b>Nominal pressure, atm</b>	8	
<b>Rated burst pressure (RBP), atm</b>	14	
<b>Cycles to RBP</b>	20	
<b>Lesion entry profile</b>	0.016 in.	



# BALLOON DILATATION CATHETERS



## NC Euphora™ Noncompliant Balloon Dilatation Catheter



### GENERAL CHARACTERISTICS

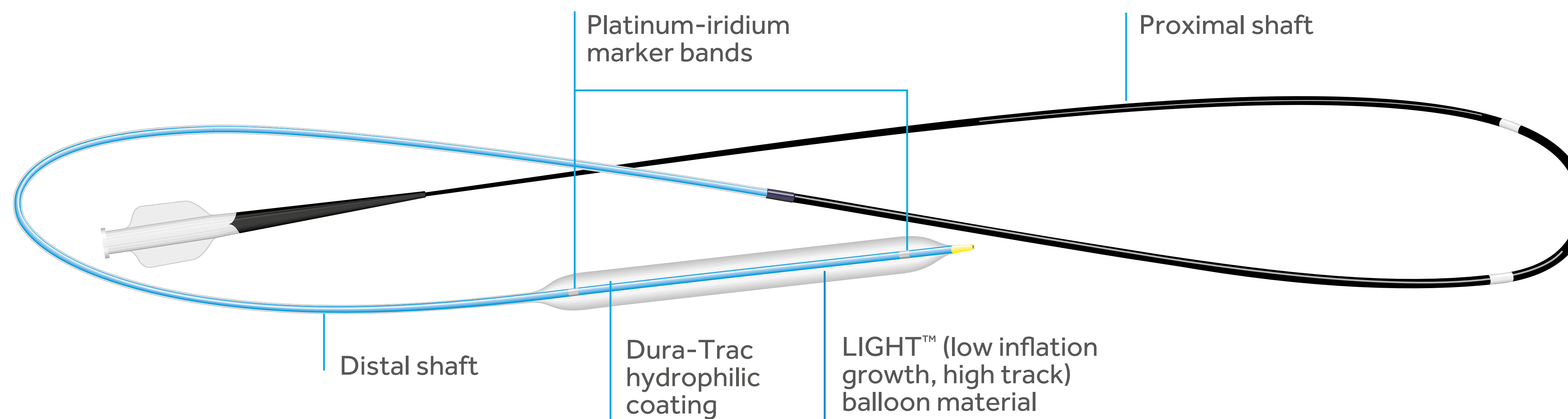
- Supplied sterile
- Items per box: 1

### PRODUCT DESCRIPTION

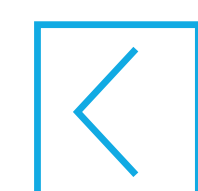
NC Euphora™ noncompliant balloon dilatation catheter is designed with a low growth profile, as well as excellent recross and deliverability for reliable performance in long, difficult cases.<sup>1</sup>

### FEATURES

- Strong, durable and flexible LIGHT™ (low inflation growth, high track) balloon material<sup>1</sup>
- Low-profile, platinum-iridium marker bands<sup>1</sup>
- Optimized tapered tip<sup>1</sup>
- PowerTrac™ shaft technology
- Low-profile inner/outer shaft<sup>1</sup>



<sup>1</sup>Bench test data on file with Medtronic. May not be indicative of clinical performance.



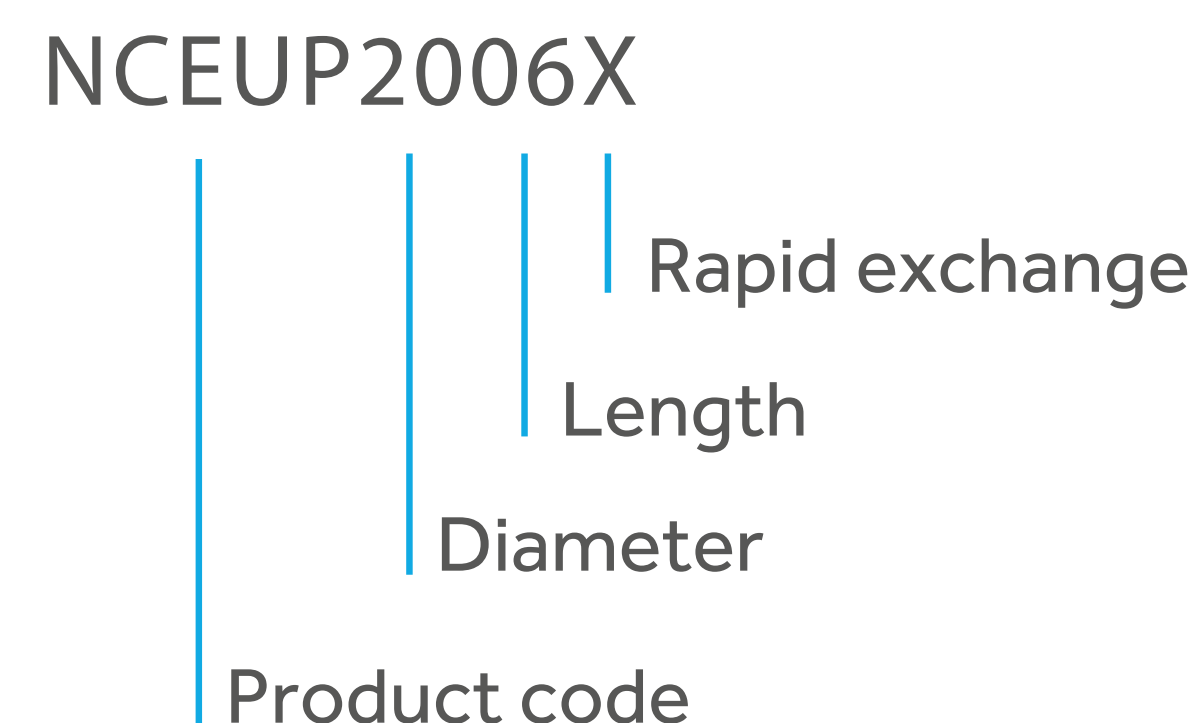
# BALLOON DILATATION CATHETERS



## NC Euphora™ Noncompliant Balloon Dilatation Catheter



### PRODUCT CODE



### ORDERING INFORMATION

BALLOON DIAMETER (MM)	BALLOON LENGTH (MM)					
	06	08	12	15	20	27
2.00	NCEUP2006X	NCEUP2008X	NCEUP2012X	NCEUP2015X	NCEUP2020X	—
2.25	NCEUP22506X	NCEUP22508X	NCEUP22512X	NCEUP22515X	NCEUP22520X	—
2.50	NCEUP2506X	NCEUP2508X	NCEUP2512X	NCEUP2515X	NCEUP2520X	NCEUP2527X
2.75	NCEUP27506X	NCEUP27508X	NCEUP27512X	NCEUP27515X	NCEUP27520X	NCEUP27527X
3.00	NCEUP3006X	NCEUP3008X	NCEUP3012X	NCEUP3015X	NCEUP3020X	NCEUP3027X
3.25	NCEUP32506X	NCEUP32508X	NCEUP32512X	NCEUP32515X	NCEUP32520X	NCEUP32527X
3.50	NCEUP3506X	NCEUP3508X	NCEUP3512X	NCEUP3515X	NCEUP3520X	NCEUP3527X
3.75	NCEUP37506X	NCEUP37508X	NCEUP37512X	NCEUP37515X	NCEUP37520X	NCEUP37527X
4.00	NCEUP4006X	NCEUP4008X	NCEUP4012X	NCEUP4015X	NCEUP4020X	NCEUP4027X
4.50	—	NCEUP4508X	NCEUP4512X	NCEUP4515X	NCEUP4520X	—
5.00	—	NCEUP5008X	NCEUP5012X	NCEUP5015X	—	—

# BALLOON DILATATION CATHETERS



## NC Euphora™ Noncompliant Balloon Dilatation Catheter



### COMPLIANCE DATA

PRESSURE KPA (ATM)	AVERAGE BALLOON DIAMETER (MM)										
	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.50	5.00
608 (6)	1.89	2.12	2.35	2.54	2.77	2.94	3.13	3.43	3.67	4.09	4.64
709 (7)	1.91	2.15	2.37	2.57	2.80	2.97	3.17	3.47	3.72	4.14	4.71
811 (8)	1.93	2.17	2.40	2.60	2.84	3.01	3.22	3.51	3.78	4.19	4.79
912 (9)	1.95	2.19	2.43	2.63	2.87	3.06	3.27	3.56	3.84	4.25	4.86
1013 (10)	1.97	2.21	2.46	2.66	2.91	3.10	3.32	3.61	3.90	4.31	4.92
1115 (11)	1.98	2.23	2.48	2.69	2.94	3.14	3.37	3.66	3.95	4.37	4.95
1216 (12)	1.99	2.25	2.50	2.71	2.97	3.18	3.41	3.70	3.99	4.42	5.00
1317 (13)	2.00	2.26	2.51	2.73	2.99	3.21	3.44	3.73	4.03	4.47	5.04
1419 (14)	2.02	2.28	2.53	2.75	3.01	3.23	3.47	3.76	4.07	4.51	5.08
1520 (15)	2.03	2.29	2.54	2.77	3.03	3.26	3.50	3.78	4.10	4.54	5.12
1621 (16)	2.04	2.30	2.56	2.78	3.05	3.28	3.52	3.81	4.13	4.58	5.15
1723 (17)	2.05	2.31	2.58	2.80	3.07	3.30	3.55	3.83	4.15	4.60	5.19
1824 (18)	2.06	2.33	2.59	2.81	3.09	3.33	3.57	3.86	4.18	4.63	5.23
1925 (19)	2.07	2.34	2.61	2.83	3.11	3.35	3.59	3.88	4.21	4.66	5.27
2027 (20)	2.09	2.36	2.63	2.84	3.13	3.37	3.62	3.91	4.24	4.69	5.30
2128 (21)	2.10	2.37	2.65	2.86	3.15	3.39	3.64	3.93	4.28	4.72	5.35
2229 (22)	2.12	2.39	2.66	2.88	3.17	3.41	3.66	3.96	4.31	4.75	5.39
2330 (23)	2.14	2.40	2.68	2.90	3.20	3.43	3.69	3.99	4.34	4.78	—
2432 (24)	2.15	2.42	2.71	2.92	3.22	—	3.71	—	—	4.81	—
2533 (25)	—	2.44	—	2.94	3.25	—	3.74	—	—	4.84	—

Nominal pressure<sup>†</sup>
Rated burst pressure<sup>‡</sup>

<sup>†</sup>Nominal pressure: the pressure at which the balloon approximates its labeled diameter.  
<sup>‡</sup>Rated burst pressure: the maximum pressure to which a balloon is designed to be inflated — do not exceed.

# BALLOON DILATATION CATHETERS

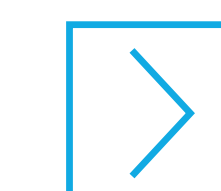
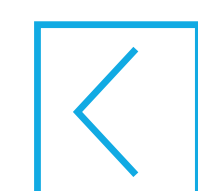


## NC Euphora™ Noncompliant Balloon Dilatation Catheter

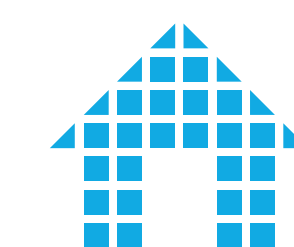


### TECHNICAL INFORMATION

<b>Catheter length</b>	142 cm	
<b>Platinum-iridium marker bands</b>	2.00–5.00 mm	Double
<b>Coating</b>	Selective Dura-Trac	
<b>Balloon material</b>	LIGHT (low inflation growth, high track)	
<b>MiniWrap</b>	2.00–3.75 mm 4.00–5.00 mm	3 folds 5 folds
<b>Shaft dimensions</b> For 2.00 – 3.75 mm	Proximal Distal	0.69 mm (2.1 F) 0.84 mm (2.5 F)
<b>Shaft dimensions</b> For 4.00 – 5.00 mm	Proximal Distal	0.69 mm (2.1 F) 0.91 mm (2.7 F)
<b>MGCID</b>	For 2.00–4.00 mm balloon For 4.50–5.00 mm balloon	1.42 mm/0.056 in. 1.68 mm/0.066 in.
<b>Nominal pressure, atm</b>	12	
<b>Rated burst pressure (RBP), atm</b>	20	
<b>Cycles to RBP</b>	20	
<b>Lesion entry profile</b>	0.015 in.	



# BALLOON DILATATION CATHETERS



## Sprinter Legend™ RX 1.25 mm Semicompliant Balloon Dilatation Catheter



### GENERAL CHARACTERISTICS

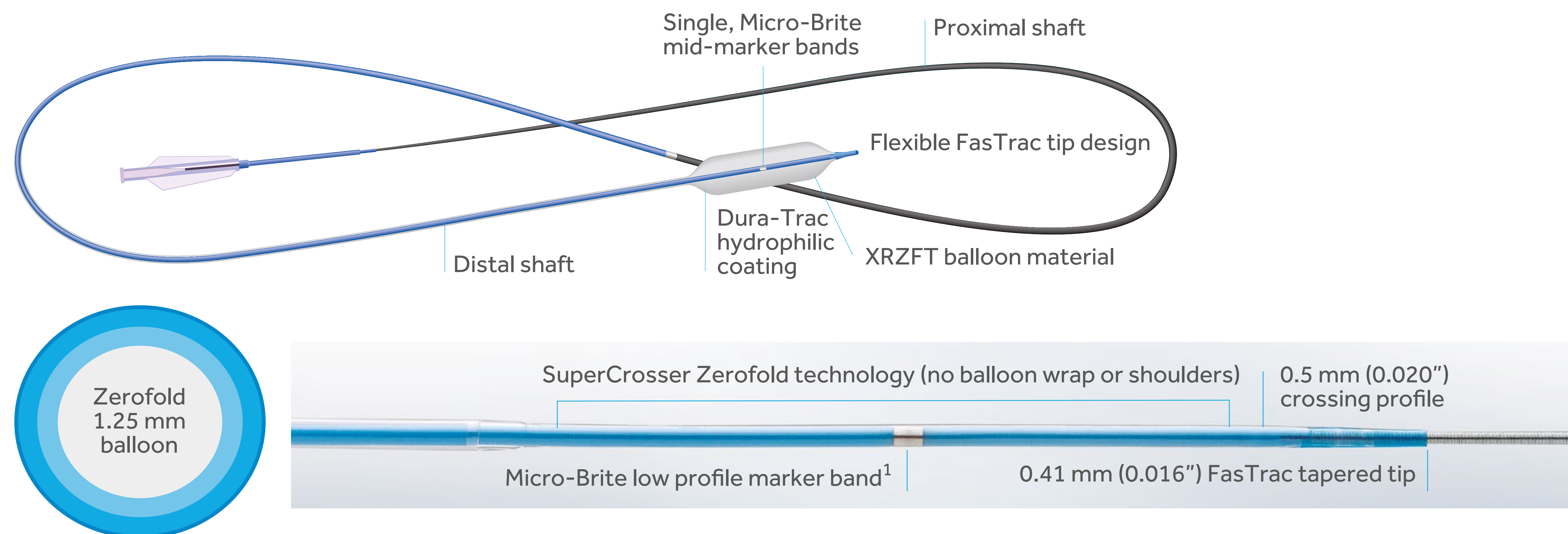
- Supplied sterile
- Items per box: 1

### PRODUCT DESCRIPTION

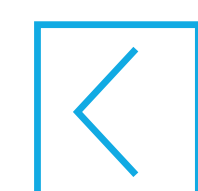
The Sprinter Legend™ RX 1.25 mm semicompliant balloon dilatation catheter, with its SuperCrosser Zerofold technology (no balloon wrap or shoulders), offers a low profile and excellent crossability.<sup>1</sup>

### FEATURES

- Lesion entry profile: 0.41 mm (0.016")
- Crossing profile: 0.5 mm (0.020")
- Profile over mid-marker: 0.6 mm (0.024")
- No wrapped material allows for ultra-low catheter profile.<sup>1</sup> Expands from a straight tube into a balloon
- No balloon shoulders,<sup>1</sup> Facilitates balloon passage through the lesion

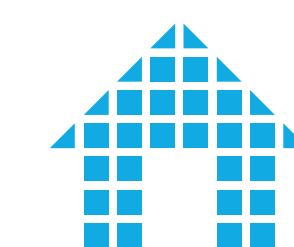


<sup>1</sup>Bench test data is on file at Medtronic and may not be indicative of clinical results.





# BALLOON DILATATION CATHETERS



## Sprinter Legend™ RX 1.25 mm Semicompliant Balloon Dilatation Catheter



### ORDERING INFORMATION

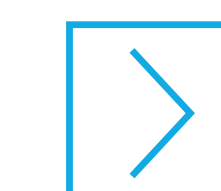
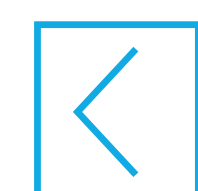
BALLOON DIAMETER (MM)	BALLOON LENGTH (MM)				
	6	10	12	15	20
1.25	SPL12506X	SPL12510X	SPL12512X	SPL12515X	SPL12520X

### COMPLIANCE DATA

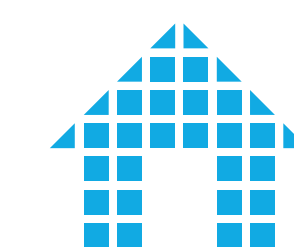
PRESSURE KPA (ATM)	BALLOON DIAMETER 1.25 MM
405 (4)	0.60
507 (5)	0.60
608 (6)	0.63
709 (7)	0.67
811 (8)	0.75
912 (9)	0.86
1013 (10)	0.99
1115 (11)	1.11
1216 (12)	1.20
1317 (13)	1.28
1419 (14)	1.35
1520 (15)	1.40
Nominal pressure <sup>†</sup> & rated burst pressure <sup>‡</sup>	

<sup>†</sup>Nominal pressure: the pressure at which the balloon reaches its labeled diameter.

<sup>‡</sup>Rated burst pressure: the maximum pressure to which a balloon is designed to be inflated — do not exceed.



# BALLOON DILATATION CATHETERS



## Sprinter Legend™ 1.25 OTW Semicompliant Balloon Dilatation Catheter



### GENERAL CHARACTERISTICS

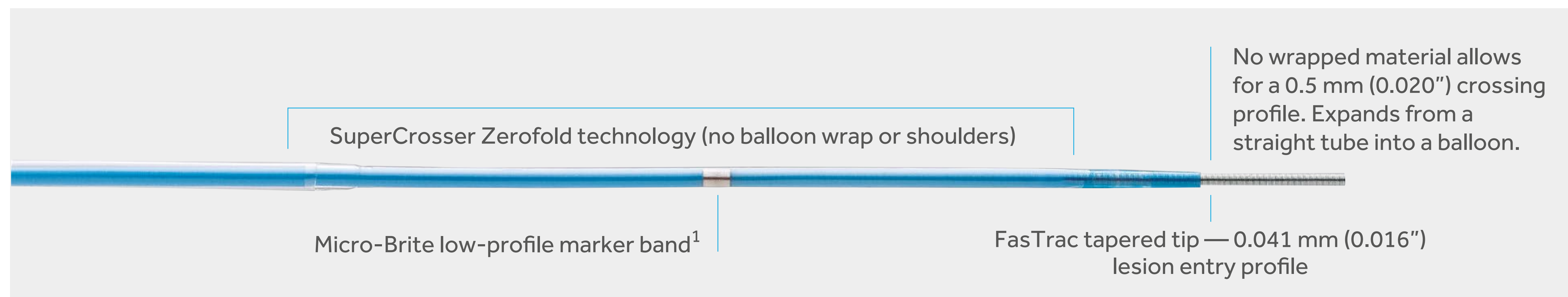
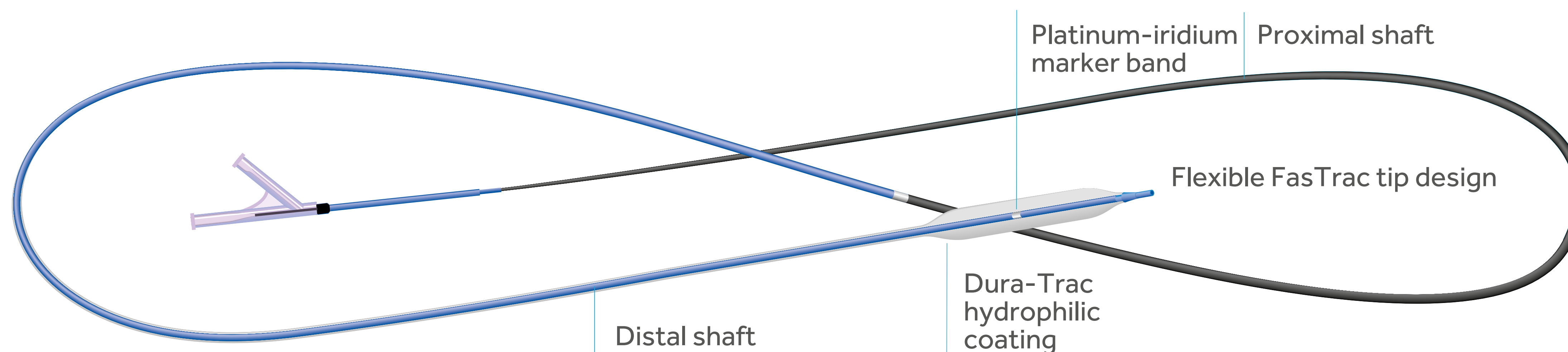
- Supplied sterile
- Items per box: 1

### PRODUCT DESCRIPTION

Sprinter Legend™ 1.25 OTW semicompliant balloon, with its SuperCrosser Zerofold technology, offers a low crossing profile and excellent crossability.<sup>1</sup>

### FEATURES

- Ultra-low crossing profiles — for advanced lesion crossing<sup>1</sup>
- Excellent post-inflation profile — for smooth recross<sup>1</sup>
- 152 cm catheter length — for extended vasculature



<sup>1</sup>Bench test data on file with Medtronic. May not be indicative of clinical performance.



# BALLOON DILATATION CATHETERS



## Sprinter Legend™ 1.25 OTW Semicompliant Balloon Dilatation Catheter



### ORDERING INFORMATION

BALLOON DIAMETER (MM)	BALLOON LENGTH (MM)				
	6	10	12	15	20
1.25	SPL12506WL	SPL12510WL	SPL12512WL	SPL12515WL	SPL12520WL

### COMPLIANCE DATA

PRESSURE KPA (ATM)	BALLOON DIAMETER 1.25 MM
405 (4)	0.60
507 (5)	0.60
608 (6)	0.63
709 (7)	0.67
811 (8)	0.75
912 (9)	0.86
1013 (10)	0.99
1115 (11)	1.11
1216 (12)	1.20
1317 (13)	1.28
1419 (14)	1.35
1520 (15)	1.40
Nominal pressure <sup>†</sup> & rated burst pressure <sup>‡</sup>	

<sup>†</sup>Nominal pressure: the pressure at which the balloon reaches its labeled diameter.

<sup>‡</sup>Rated burst pressure: the maximum pressure to which a balloon is designed to be inflated (95% confidence that 99.9% will not fail below rated burst pressure).



# BALLOON DILATATION CATHETERS



## Sprinter Legend™ RX Semicompliant Balloon Dilatation Catheter

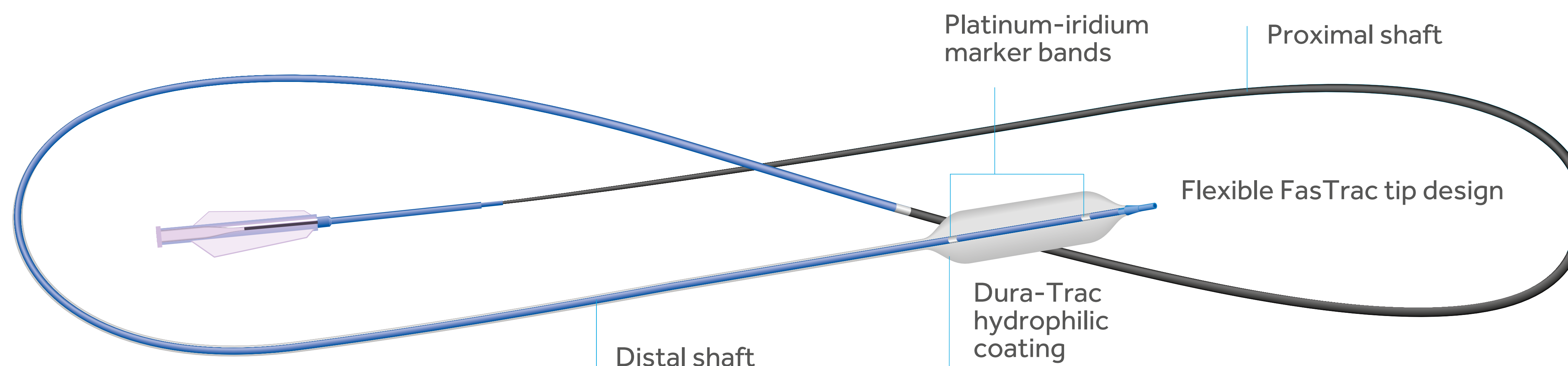


### GENERAL CHARACTERISTICS

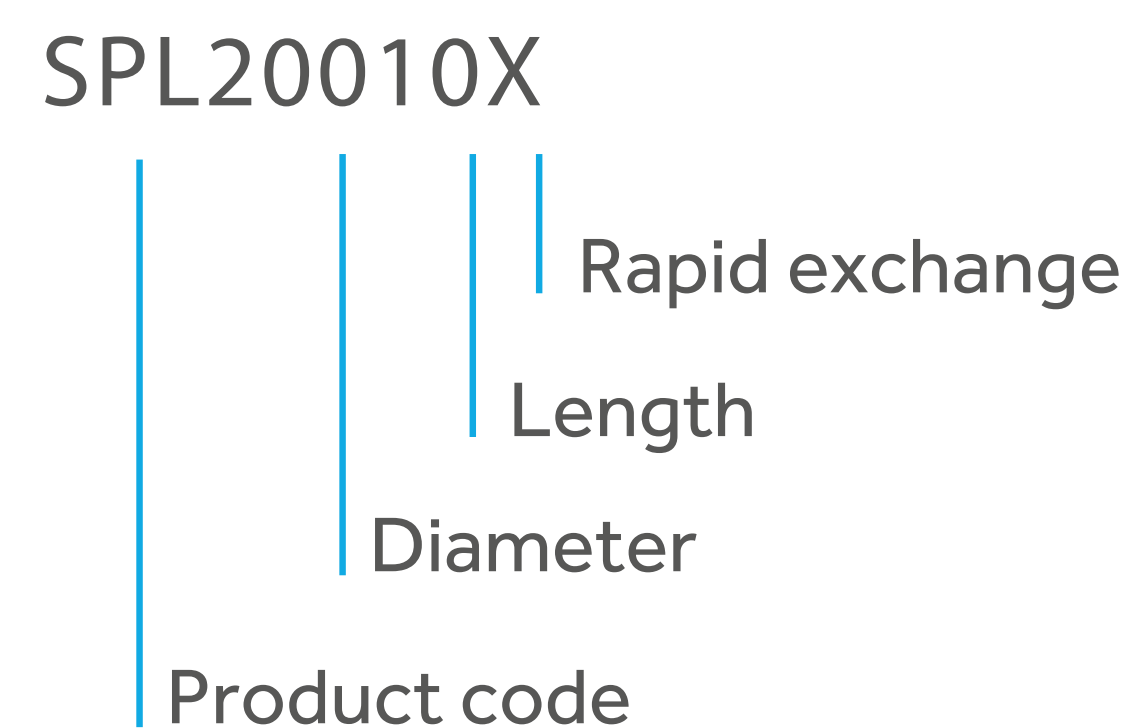
- Supplied sterile
- Items per box: 1

### PRODUCT DESCRIPTION

A high-performing semicompliant balloon available in a wide range of diameters and lengths, designed to meet a comprehensive spectrum of interventional needs.<sup>1</sup>



### PRODUCT CODE



<sup>1</sup>Bench test data on file with Medtronic. May not be indicative of clinical performance.



# BALLOON DILATATION CATHETERS



Sprinter Legend™ RX Semicompliant Balloon Dilatation Catheter



## ORDERING INFORMATION

BALLOON DIAMETER (MM)	BALLOON LENGTH (MM)						
	6	10	12	15	20	25	30
1.25	SPL12506X	SPL12510X	SPL12512X	SPL12515X	SPL12520X	—	—
1.50	SPL15006X	SPL15010X	SPL15012X	SPL15015X	SPL15020X	—	—
2.00	SPL20006X	SPL20010X	SPL20012X	SPL20015X	SPL20020X	SPL20025X	SPL20030X
2.25	SPL22506X	SPL22510X	SPL22512X	SPL22515X	SPL22520X	SPL22525X	—
2.50	SPL25006X	SPL25010X	SPL25012X	SPL25015X	SPL25020X	SPL25025X	SPL25030X
2.75	SPL27506X	—	SPL27512X	SPL27515X	SPL27520X	SPL27525X	—
3.00	SPL30006X	SPL30010X	SPL30012X	SPL30015X	SPL30020X	SPL30025X	SPL30030X
3.25	—	—	SPL32512X	SPL32515X	SPL32520X	—	—
3.50	SPL35006X	SPL35010X	SPL35012X	SPL35015X	SPL35020X	SPL35025X	SPL35030X
3.75	—	—	SPL37512X	SPL37515X	SPL37520X	—	—
4.00	SPL40006X	SPL40010X	SPL40012X	SPL40015X	SPL40020X	SPL40025X	SPL40030X

# BALLOON DILATATION CATHETERS



## Sprinter Legend™ RX Semicompliant Balloon Dilatation Catheter

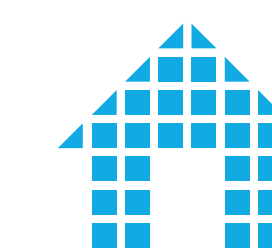


### COMPLIANCE DATA

PRESSURE KPA (ATM)	BALLOON DIAMETER (MM)										
	1.25	1.50	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00
405 (4)	0.60	1.36	—	—	—	—	—	—	—	—	—
507 (5)	0.60	1.41	—	—	—	—	—	—	—	—	—
608 (6)	0.63	1.47	1.91	2.23	2.34	2.60	2.81	3.14	3.32	3.61	3.85
709 (7)	0.67	1.53	1.95	2.29	2.41	2.67	2.89	3.22	3.42	3.70	3.96
811 (8)	0.75	1.58	2.00	2.33	2.47	2.74	2.97	3.29	3.50	3.79	4.05
912 (9)	0.86	1.61	2.03	2.38	2.53	2.79	3.04	3.35	3.57	3.86	4.12
1013 (10)	0.99	1.64	2.06	2.41	2.57	2.84	3.09	3.40	3.63	3.93	4.18
1115 (11)	1.11	1.67	2.09	2.44	2.61	2.89	3.14	3.44	3.68	3.98	4.23
1216 (12)	1.20	1.70	2.12	2.47	2.64	2.93	3.18	3.48	3.73	4.02	4.29
1317 (13)	1.28	1.73	2.14	2.51	2.67	2.96	3.22	3.52	3.77	4.07	4.35
1419 (14)	1.35	1.75	2.16	2.54	2.70	3.00	3.25	3.56	3.82	4.12	4.40
1520 (15)	1.40	1.78	2.19	2.58	2.73	3.03	3.29	3.59	3.87	4.16	4.45
1621 (16)	—	—	2.21	2.61	2.76	3.07	3.33	3.64	3.92	4.21	4.50
Nominal pressure <sup>†</sup>			Rated burst pressure <sup>‡</sup>				Nominal pressure & rated burst pressure				

<sup>†</sup>Nominal pressure: the pressure at which the balloon approximates its labeled diameter.  
<sup>‡</sup>Rated burst pressure: the maximum pressure to which a balloon is designed to be inflated — do not exceed.

# BALLOON DILATATION CATHETERS

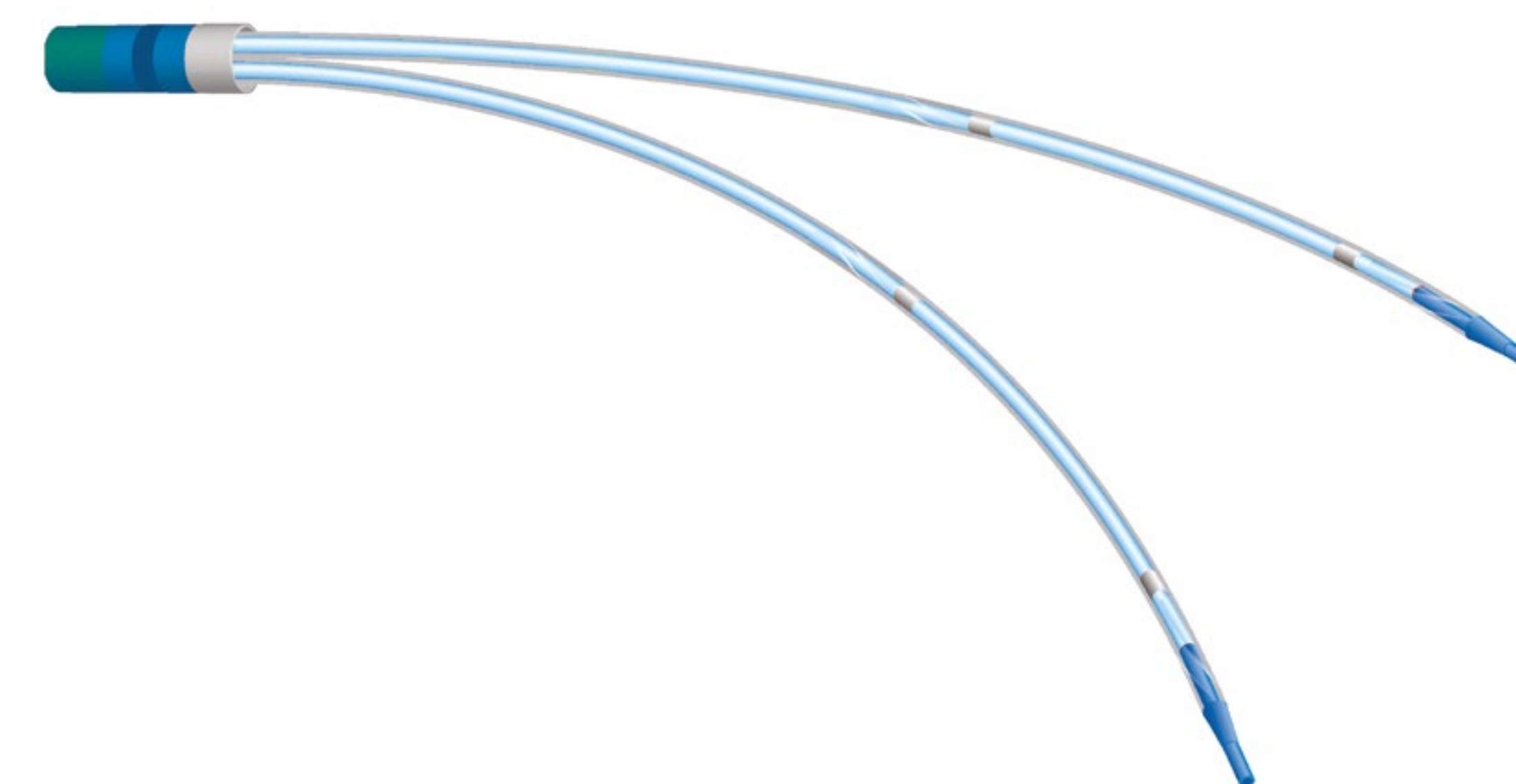


## Sprinter Legend™ RX Semicompliant Balloon Dilatation Catheter



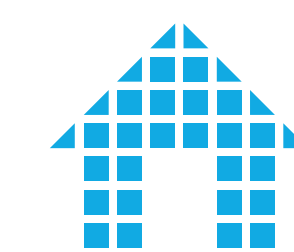
### TECHNICAL INFORMATION

<b>Catheter length (cm)</b>	142
<b>Distal shaft length (cm)</b>	21
<b>Platinum-iridium marker bands</b>	
1.25–1.50 mm	Single
2.00–4.00 mm	Double
<b>Coating</b>	Selective Dura-Trac
<b>MiniWrap</b>	
1.25 mm	Zero fold
1.50 mm	2 folds
2.00 mm–3.75mm	3 folds
4.00 mm	5 folds
<b>Shaft dimensions for 1.25–3.5mm</b>	
Proximal	1.9 F
Distal	2.4 F/2.6 F
<b>Shaft dimensions for 3.75–4.00 mm</b>	
Proximal	1.9 F
Distal	2.5 F/2.7 F
<b>MGCID</b>	1.42 mm/0.056" (1.25-3.50)



- Compatible with 6 F kissing balloon technique.
- Any combination of two Sprinter Legend rapid exchange balloon models (1.25–3.50 mm) can be used for the kissing balloon technique within a 6 F (MGCID 0.070") guide catheter.

# BALLOON DILATATION CATHETERS



## Sprinter™ OTW Semicompliant Balloon Dilatation Catheter

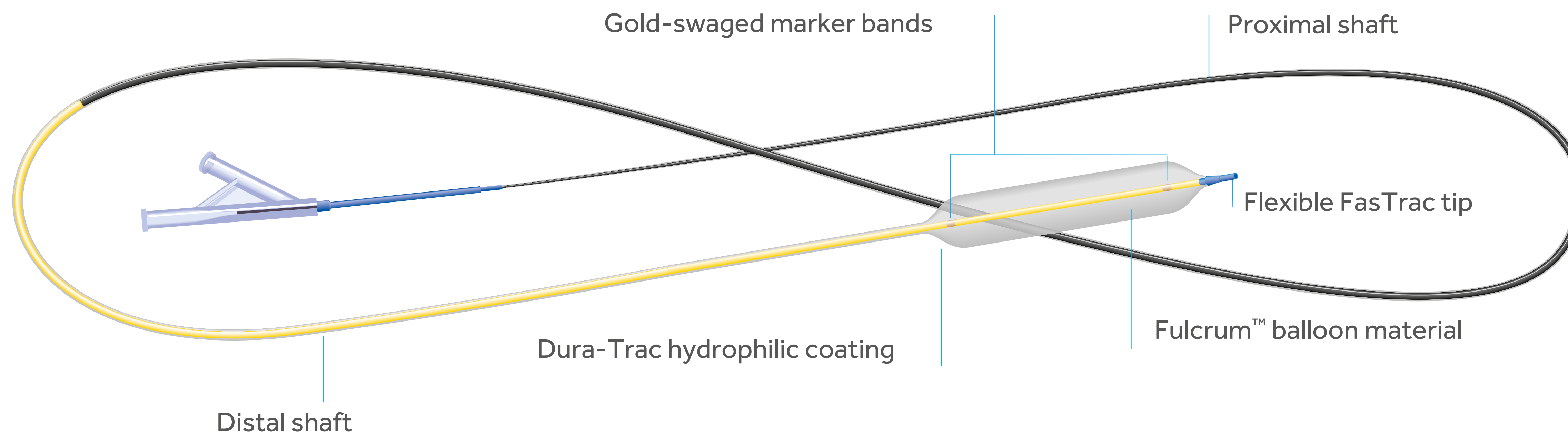


### GENERAL CHARACTERISTICS

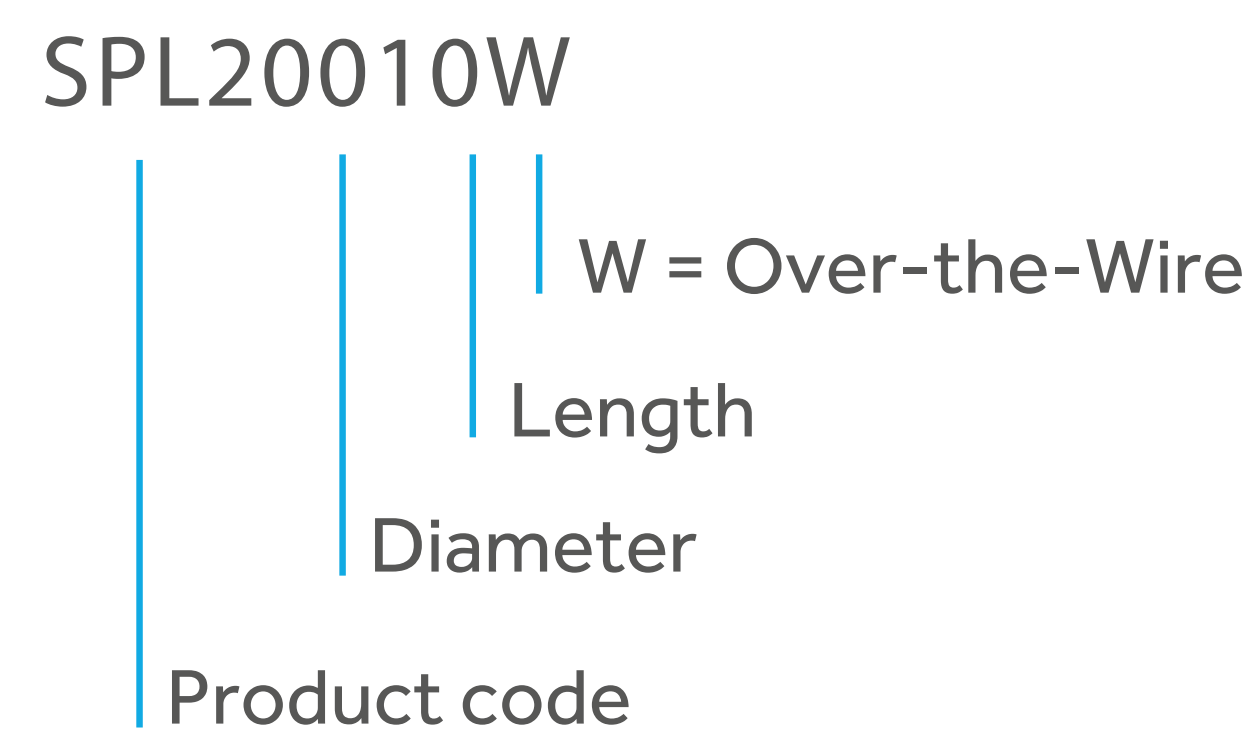
- Supplied sterile
- Items per box: 1

### PRODUCT DESCRIPTION

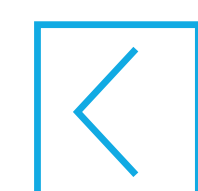
A high-performing semicompliant balloon available in a wide range of diameters and lengths, designed to meet a comprehensive spectrum of interventional needs.<sup>1</sup>



### PRODUCT CODE

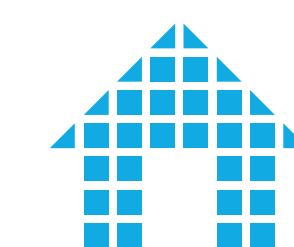


<sup>1</sup>Bench test data on file with Medtronic. May not be indicative of clinical performance.





# BALLOON DILATATION CATHETERS

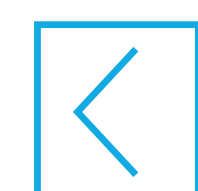


Sprinter™ OTW Semicompliant Balloon Dilatation Catheter

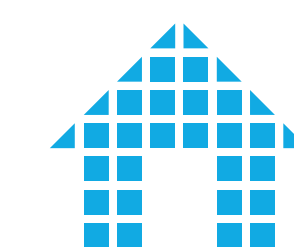


## ORDERING INFORMATION

BALLOON DIAMETER (MM)	BALLOON LENGTH (MM)						
	6	10	12	15	20	25	30
1.50	SPR1506W	SPR1510W	SPR1512W	SPR1515W	SPR1520W	—	—
2.00	SPR2006W	SPR2010W	SPR2012W	SPR2015W	SPR2020W	SPR2025W	SPR2030W
2.25	SPR22506W	—	SPR22512W	SPR22515W	SPR22520W	—	—
2.50	SPR2506W	SPR2510W	SPR2512W	SPR2515W	SPR2520W	SPR2525W	SPR2530W
2.75	SPR27506W	—	SPR27512W	SPR27515W	SPR27520W	—	—
3.00	SPR3006W	SPR3010W	SPR3012W	SPR3015W	SPR3020W	SPR3025W	SPR3030W
3.25	—	—	SPR32512W	SPR32515W	SPR32520W	—	—
3.50	SPR3506W	SPR3510W	SPR3512W	SPR3515W	SPR3520W	SPR3525W	SPR3530W
3.75	—	—	SPR37512W	SPR37515W	SPR37520W	—	—
4.00	SPR4006W	SPR4010W	SPR4012W	SPR4015W	SPR4020W	SPR4025W	SPR4030W



# BALLOON DILATATION CATHETERS



## Sprinter™ OTW Semicompliant Balloon Dilatation Catheter



### COMPLIANCE DATA

PRESSURE KPA (ATM)	BALLOON DIAMETER (MM)									
	1.50	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00
405 (4)	1.37	1.77	2.00	2.22	2.40	2.62	2.87	3.01	3.35	3.48
507 (5)	1.42	1.83	2.07	2.29	2.49	2.71	2.98	3.14	3.48	3.64
608 (6)	1.47	1.88	2.14	2.37	2.57	2.81	3.08	3.25	3.60	3.78
709(7)	1.52	1.93	2.20	2.44	2.66	2.90	3.18	3.37	3.70	3.91
811 (8)	1.55	1.97	2.25	2.50	2.73	2.98	3.25	3.47	3.80	4.02
912 (9)	1.58	2.01	2.30	2.55	2.80	3.05	3.32	3.55	3.87	4.11
1013 (10)	1.60	2.04	2.33	2.59	2.85	3.10	3.38	3.62	3.93	4.19
1115 (11)	1.63	2.07	2.37	2.63	2.89	3.14	3.42	3.68	3.98	4.25
1216 (12)	1.65	2.10	2.40	2.66	2.93	3.18	3.46	3.72	4.03	4.31
1317 (13)	1.67	2.12	2.43	2.69	2.97	3.22	3.51	3.77	4.08	4.37
1419 (14)	1.69	2.15	2.46	2.72	3.00	3.26	3.55	3.82	4.13	4.42
1520 (15)	1.72	2.17	2.49	2.76	3.04	3.29	3.59	3.87	4.19	4.48
1621 (16)	-	2.19	2.53	2.79	3.08	3.33	3.64	3.92	4.24	4.54
1723 (17)	-	2.21	2.56	2.82	3.11	3.37	3.69	3.97	4.30	4.60
1824 (18)	-	2.24	2.59	2.86	3.15	3.42	3.73	4.02	4.38	4.67

Nominal pressure<sup>†</sup>
Rated burst pressure<sup>‡</sup>

<sup>†</sup>Nominal pressure: the pressure at which the balloon approximates its labeled diameter.  
<sup>‡</sup>Rated burst pressure: the maximum pressure to which a balloon is designed to be inflated — do not exceed.

# BALLOON DILATATION CATHETERS

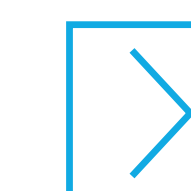
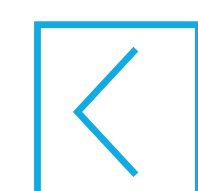


## Sprinter™ OTW Semicompliant Balloon Dilatation Catheter

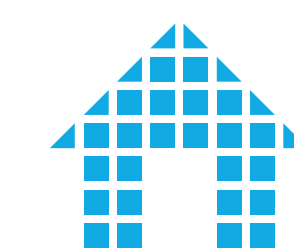


### TECHNICAL INFORMATION

<b>Catheter length</b>	138 cm
<b>Gold-swaged marker bands</b>	
1.5 mm	Single
2.00–4.00 mm	Double
<b>Coating</b>	Selective Dura-Trac
<b>Balloon material</b>	Fulcrum™
<b>MiniWrap</b>	
1.5 mm	2 folds
2.00–3.75 mm	3 folds
4.00–5.00 mm	5 folds
<b>Shaft dimensions for 1.5–3.5 mm</b>	
Proximal	3.2 F
Distal	2.4 F/2.6 F
<b>Shaft dimensions for 3.75–4.0 mm</b>	
Proximal	3.2 F
Distal	2.5 F/2.7 F
<b>MGCID</b>	1.42 mm/0.056 in



# BALLOON DILATATION CATHETERS



## NC Stormer™ OTW Noncompliant Balloon Dilatation Catheter

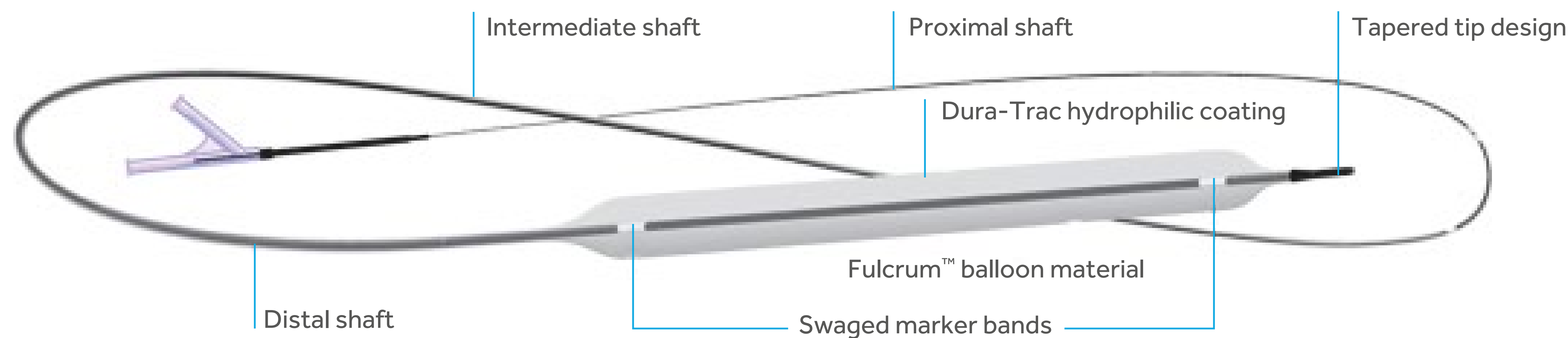


### GENERAL CHARACTERISTICS

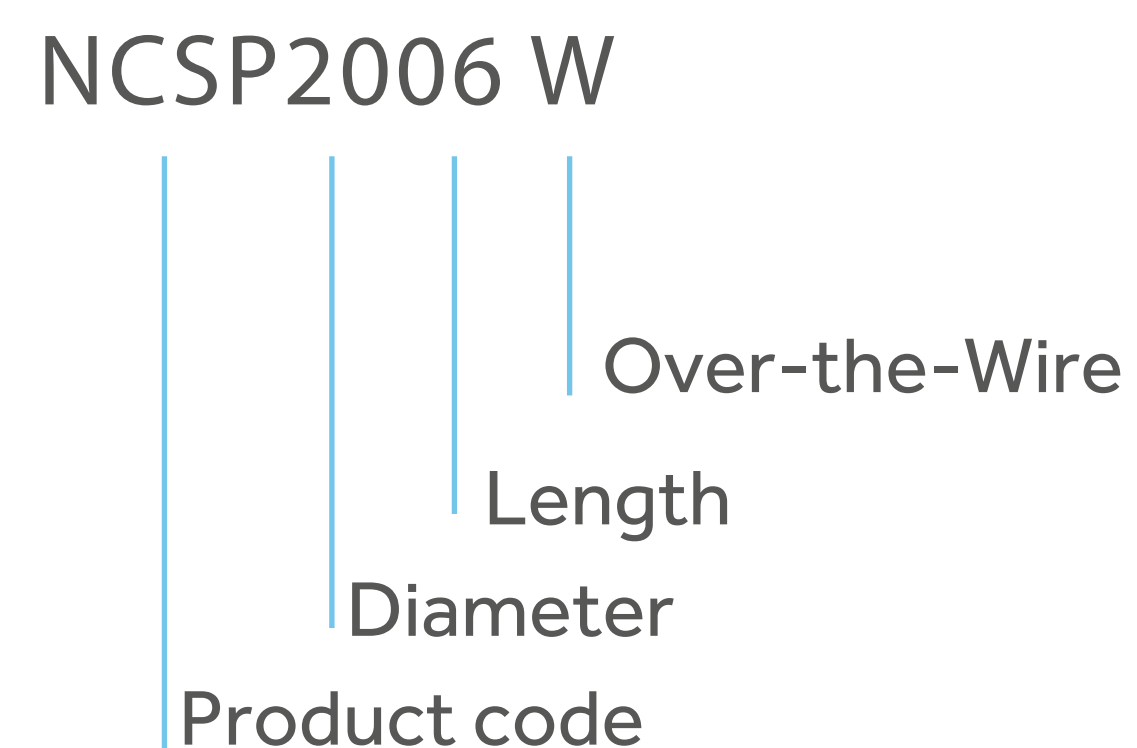
- Supplied sterile
- Items per box: 1

### PRODUCT DESCRIPTION

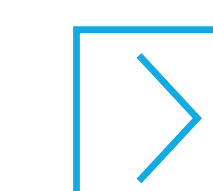
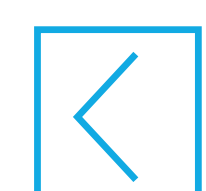
When precision and performance are paramount, the NC Stormer™ OTW Noncompliant Balloon Dilatation Catheter offers controlled compliance, high pressures, comprehensive lengths, and low longitudinal growth.<sup>1</sup>



### PRODUCT CODE



<sup>1</sup>Bench test data on file with Medtronic. May not be indicative of clinical performance.



# BALLOON DILATATION CATHETERS



## NC Stormer™ OTW Noncompliant Balloon Dilatation Catheter



### ORDERING INFORMATION

BALLOON DIAMETER (MM)	BALLOON LENGTH (MM)							
	6	11	14	16	18	21	26	31
2.00	NCS2006W	NCS2011W	-	NCS2016W	-	NCS2021W	-	-
2.25	NCS22506W	NCS22511W	-	NCS22516W	-	NCS22521W	-	-
2.50	NCS2506W	NCS2511W	NCS2514W	NCS2516W	NCS2518W	NCS2521W	-	NCS2531W
2.75	NCS27506W	NCS27511W	NCS27514W	NCS27516W	NCS27518W	NCS27521W	-	-
3.00	NCS3006W	NCS3011W	NCS3014W	NCS3016W	NCS3018W	NCS3021W	NCS3026W	NCS3031W
3.25	NCS32506W	NCS32511W	NCS32514W	NCS32516W	NCS32518W	NCS32521W	-	-
3.50	NCS3506W	NCS3511W	NCS3514W	NCS3516W	NCS3518W	NCS3521W	NCS3526W	-
3.75	NCS37506W	NCS37511W	NCS37514W	NCS37516W	NCS37518W	NCS37521W	-	-
4.00	NCS4006W	NCS4011W	NCS4014W	NCS4016W	NCS4018W	NCS4021W	-	-

# BALLOON DILATATION CATHETERS



## NC Stormer™ OTW Noncompliant Balloon Dilatation Catheter



### COMPLIANCE DATA

PRESSURE (ATM)	BALLOON DIAMETER (MM)									
	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	
4	1.9	2.1	2.3	2.5	2.8	3.0	3.2	3.4	3.5	
5	2.0	2.2	2.3	2.6	2.9	3.0	3.3	3.5	3.6	
6	2.0	2.2	2.4	2.6	2.9	3.1	3.4	3.5	3.7	
7	2.0	2.3	2.4	2.7	3.0	3.1	3.4	3.6	3.8	
8	2.0	2.3	2.5	2.7	3.0	3.2	3.5	3.6	3.9	
9	2.1	2.3	2.5	2.7	3.0	3.2	3.5	3.7	3.9	
10	2.1	2.3	2.5	2.8	3.1	3.3	3.5	3.7	4.0	
11	2.1	2.4	2.5	2.8	3.1	3.3	3.5	3.8	4.1	
12	2.1	2.4	2.6	2.8	3.1	3.3	3.6	3.8	4.1	
13	2.1	2.4	2.6	2.8	3.2	3.3	3.6	3.8	4.1	
14	2.2	2.4	2.6	2.8	3.2	3.4	3.6	3.9	4.2	
15	2.2	2.4	2.6	2.9	3.2	3.4	3.7	3.9	4.2	
16	2.2	2.5	2.6	2.9	3.2	3.4	3.7	3.9	4.2	
17	2.2	2.5	2.6	2.9	3.3	3.5	3.7	4.0	4.3	
18	2.2	2.5	2.7	3.0	3.3	3.5	3.7	4.0	4.3	
19	2.3	2.5	2.7	3.0	3.3	3.5	3.8	4.0	4.4	

Nominal pressure<sup>†</sup>
Rated burst pressure<sup>‡</sup>

<sup>†</sup>Nominal pressure: the pressure at which the balloon approximates its labeled diameter.  
<sup>‡</sup>Rated burst pressure: the maximum pressure to which a balloon is designed to be inflated — do not exceed.

# BALLOON DILATATION CATHETERS



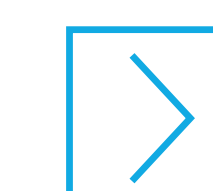
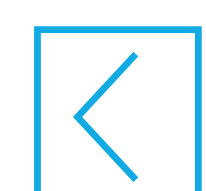
## NC Stormer™ OTW Noncompliant Balloon Dilatation Catheter



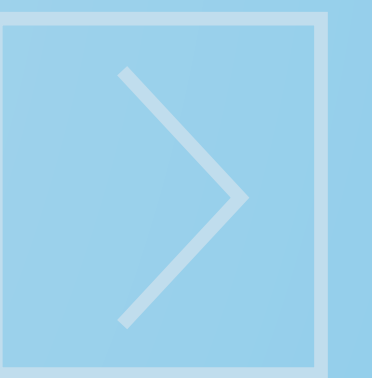
### TECHNICAL INFORMATION

<b>Catheter length</b>	138 cm
<b>Crossing profile (in.)<sup>†</sup></b>	0.026
<b>Coating</b>	Selective Dura-Trac
<b>Nominal pressure</b> 2.0–4.0 mm	10 atm
<b>Rated burst pressure</b> 2.0–4.0 mm	18 atm
<b>Distal/mid-shaft O.D.</b> Distal Mid Proximal	2.5 F 2.7 F 3.2 F
<b>Exit markers</b> Brachial Femoral	88 cm 98 cm
<b>Marker bands</b> Gold swaged	2 on all 2.0–4.0 mm O.D.s
<b>No. of balloon folds</b> 2.0–2.5 mm 2.75–3.0 mm 3.25–3.5 mm 3.75–4.0 mm	3 folds 4 folds 5 folds 6 folds
<b>Diameters (mm)</b>	2.00–4.00
<b>Lengths (mm)</b>	6, 11, 14, 16, 18, 21, 26, 31

<sup>†</sup>Based on 3.0 mm NC Stormer™ data. Test data on file at Medtronic. Bench test data may not be indicative of clinical results.



**GUIDE,  
GUIDE  
EXTENSION,  
AND  
MICROCATHETERS**





# CORONARY GUIDE EXTENSION CATHETERS



## Telescope™ Guide Extension Catheter (GEC)



### GENERAL CHARACTERISTICS

- Supplied sterile
- Items per box: 1
- Green: 6 F Orange: 7 F

### PRODUCT DESCRIPTION

The Telescope™ Guide Extension Catheter is intended to be used in conjunction with guide catheters to access discrete regions of coronary vasculature and to facilitate placement of interventional devices. Telescope™ GEC is built on our legacy of market-leading catheter expertise — and features the bold technology and design attributes you trust from a true market leader.<sup>1</sup> Telescope™ GEC catheter pushes past the ordinary:

- Superior deliverability<sup>2</sup> — strong pushwire<sup>3</sup> and coil-reinforced distal segment enhance performance
- Softest<sup>4</sup> tip — extruded TruFlex™ soft polymer tip responsively deflects and provides flexibility
- SmoothPass Technology — tapered distal pushwire, polymer on-ramp, and entry port work together to smoothly channel interventional devices

### ORDERING INFORMATION

FRENCH SIZE (F)	PRODUCT CODE
6 F:	TELE6 F
7 F:	TELE7 F



<sup>1</sup> Based on guide catheter and aspiration catheter market share reports and data on file at Medtronic.

<sup>2</sup> Deliverability bench testing: Telescope™ GEC 6 F vs. GuideLiner™ V3 GEC 5.5 F/6 F vs. Guidezilla™ II GEC 6 F. Differences among the means are significant if  $p < 0.05$ .  $N = 8$  for each GEC tested. 10 test cycles per GEC. Results measure maximum force.

<sup>3</sup> Pushability bench testing: Telescope™ GEC 6 F vs. GuideLiner™ V3 GEC 6 F vs. Guidezilla™ II GEC 6 F. Differences among the means are significant if  $p < 0.05$ .  $N = 8$  for each GEC tested. Results measure maximum force.

<sup>4</sup> Soft tip compression bench testing: Telescope™ GEC 6 F vs. GuideLiner™ V3 GEC 5.5 F/6 F vs. Guidezilla™ II GEC 6 F. Differences among the means are significant if  $p < 0.05$ .  $N = 8$  for each GEC tested. Results measure maximum force.

# CORONARY GUIDE EXTENSION CATHETERS



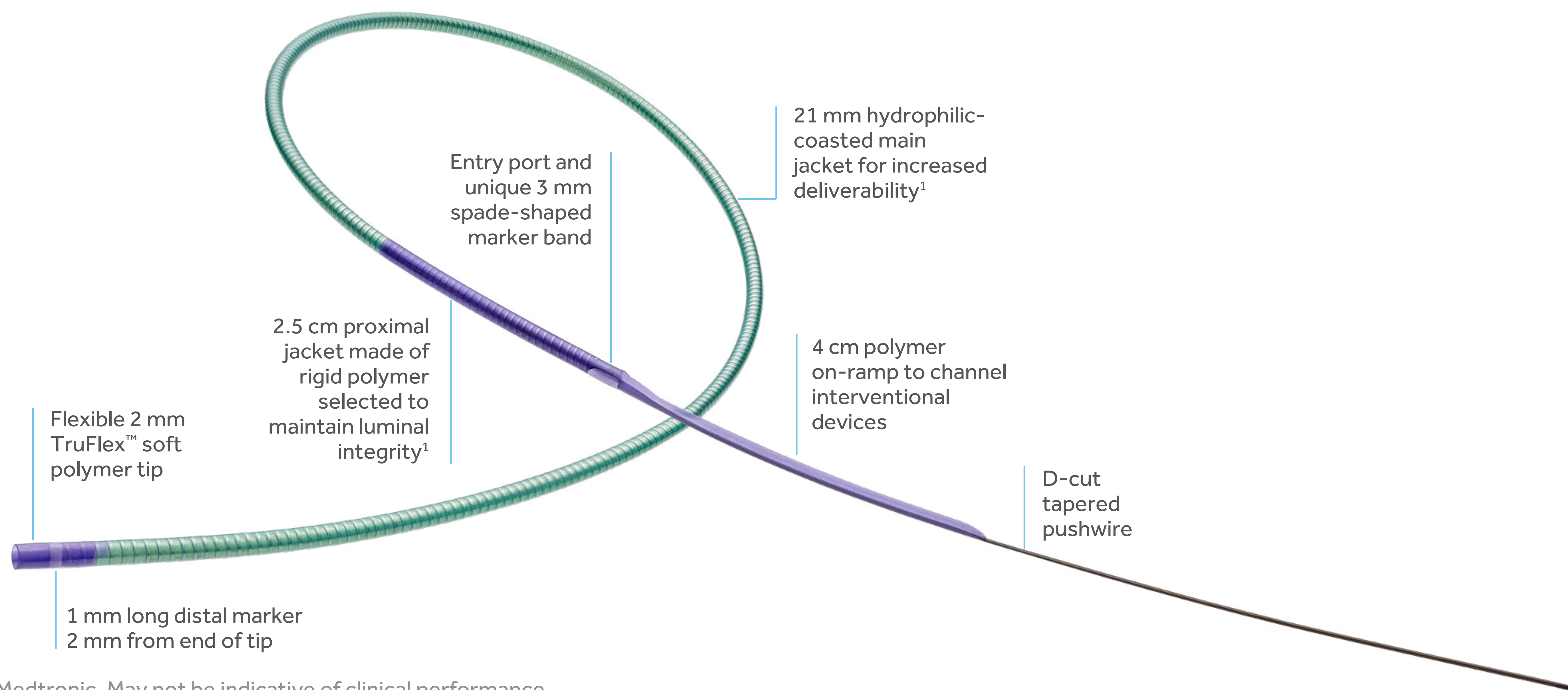
## Telescope™ Guide Extension Catheter (GEC)



### TECHNICAL INFORMATION

<b>Catheter length</b>	150 cm
<b>Distal extension length</b>	25 cm
<b>Marker band material</b>	Platinum-iridium
<b>Marker band lengths and locations</b>	1 mm long, 2 mm from distal tip 3 mm long, spade-shaped at entry port
<b>Coating</b>	Hydrophilic, outer layer of distal 21 cm

<b>Pushwire length</b>	125 cm
<b>Tapered pushwire portion</b>	10 cm
<b>On-ramp length</b>	4 cm
<b>On-ramp material</b>	Nylon-based polymer
<b>TruFlex™ tip</b>	2 mm
<b>Shelf life</b>	2 years



<sup>1</sup>Bench test data on file at Medtronic. May not be indicative of clinical performance.

# CORONARY MICROCATHERETERS



## Telemark™\* Microcatheter



### GENERAL CHARACTERISTICS

- Supplied sterile
- Items per box: 1

### PRODUCT DESCRIPTION

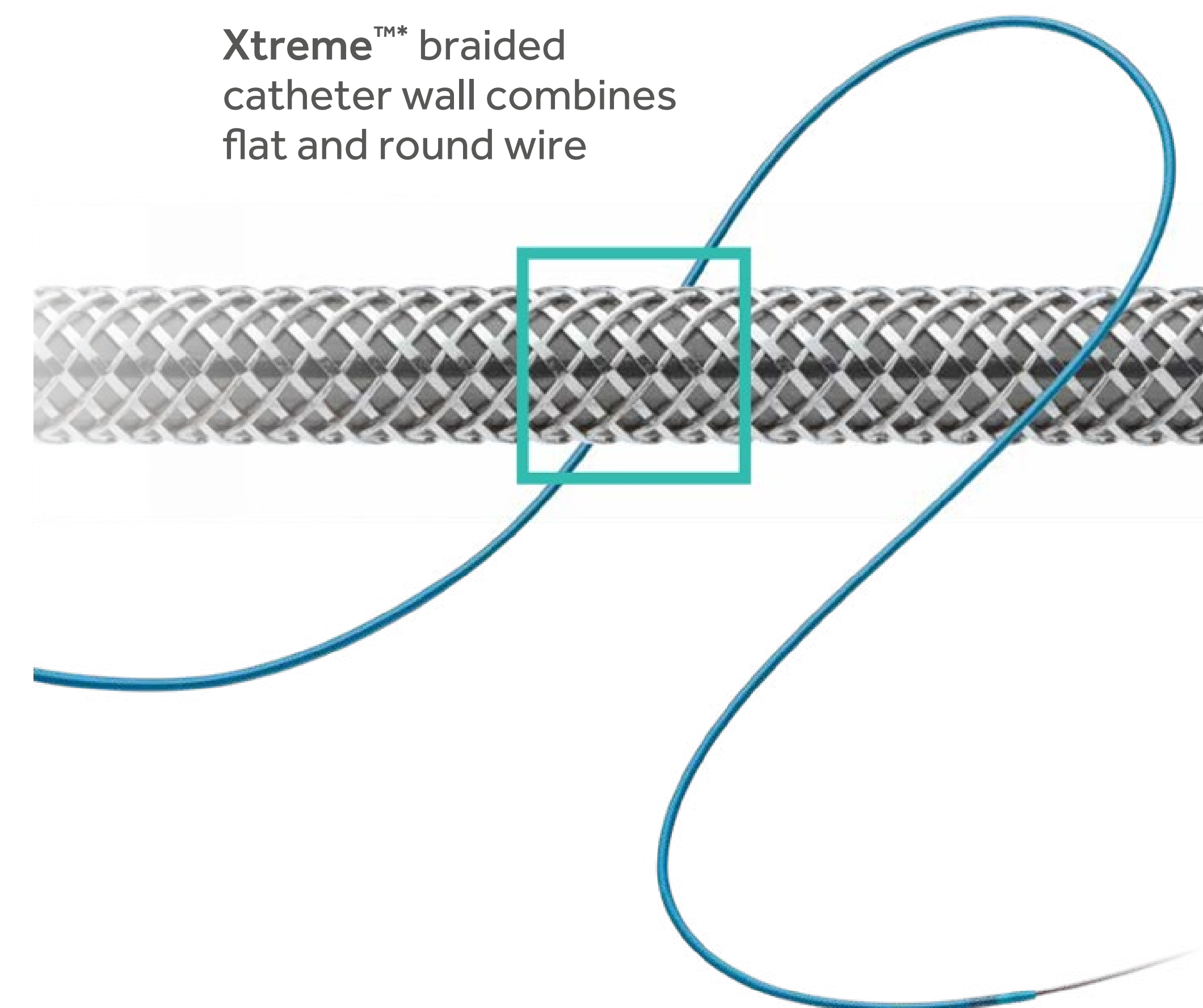
The Telemark™\* Microcatheter is intended to provide support to facilitate the placement of guidewires and can be used to exchange one guidewire for another. The microcatheter is also intended to assist in the delivery of contrast media into the blood vessels. Telemark™\* 0.014 in. microcatheter combines:

- Superior deliverability and crossability<sup>†</sup> — for superior trackability and lubricity<sup>1</sup>
- Xtreme™\* braided shaft technology — improves push force transmission<sup>1</sup>
- Pristyne™\* hydrophilic coating — provides the lubricity needed to track to and across lesions<sup>1</sup>
- Low-profile — tapered outer diameter (2.6-1.4 F) for help crossing challenging lesions<sup>1</sup>

### ORDERING INFORMATION

WORKING LENGTHS	PRODUCT CODE
135 cm	SURMC135
150 cm	SURMC150

Xtreme™\* braided catheter wall combines flat and round wire



\* Third party brands are trademarks of their respective owners.

<sup>†</sup> Deliverability is a composite of trackability, pushability, and crossability. Bench testing compared Telemark™\* 135 cm microcatheter to Finecross™\* 130 cm microcatheter and Caravel™\* 135 cm microcatheter. Bench test data may not be indicative of clinical performance.

<sup>1</sup> Bench test data on file at Medtronic. Bench test data may not be indicative of clinical performance.

# CORONARY MICROCATHERETERS



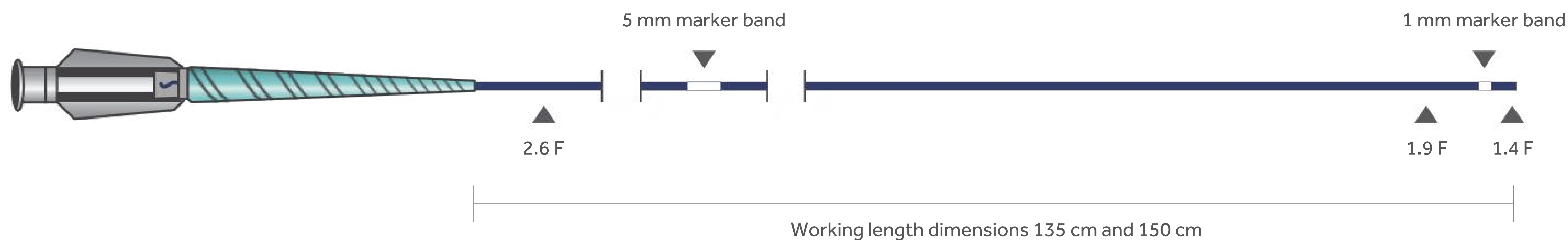
## Telemark™\* Microcatheter



### TECHNICAL INFORMATION

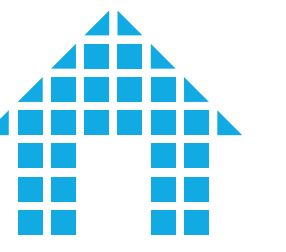
<b>Recommended guidewire size</b>	0.014 in
<b>Distal tip outer diameter</b>	1.4 F
<b>Distal shaft outer diameter</b>	1.9 F
<b>Proximal shaft outer diameter</b>	2.6 F
<b>Marker band lengths and locations</b>	1 mm platinum-iridium, 1.5 mm from tip 5 mm nylon, 100 cm from tip
<b>Coating</b>	Pristyne™* hydrophilic, outer layer of distal 75 cm

<b>Tip length</b>	1.5 mm
<b>Distal shaft inner diameter</b>	0.015 in
<b>Proximal shaft inner diameter</b>	0.021 in
<b>Inner layer</b>	PTFE
<b>Braiding</b>	Xtreme™* stainless steel hub-to-tip
<b>Shelf life</b>	<b>2 years</b>



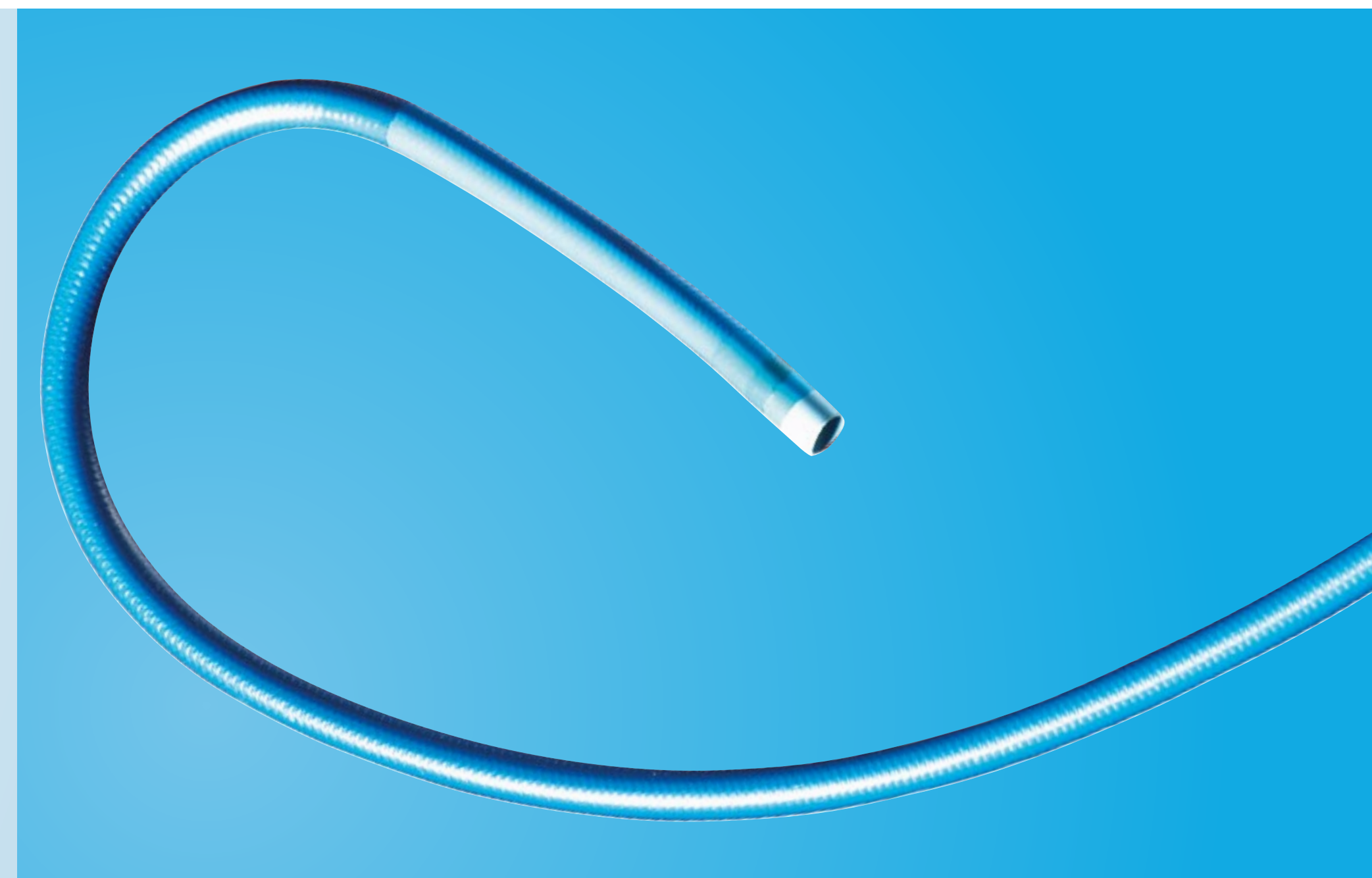
\*Third party brands are trademarks of their respective owners.

# CORONARY GUIDE CATHETERS



## LAUNCHER™

- Workhorse construction suitable for a variety of anatomies and takeoffs
- Flexible distal segment for manipulation if case requires<sup>1</sup>
- Large 6 F I.D. (0.071") allows for increased contrast flow for enhanced visualization<sup>1</sup>
- Multiple guide catheter platforms provide options for guide engagement



## SHERPA NX™ BALANCED

- Workhorse construction suitable for a variety of anatomies and takeoffs
- Supportive secondary curve for increased backup support and curve retention<sup>1</sup>
- Large ID for maximum contrast flow and absolute visualization<sup>1</sup>



## UNIQUE FULL WALL TECHNOLOGY

- Encapsulated flat wire braid enables thinner, robust walls without compromising support or retention<sup>1</sup>
- Designed for large lumens and enhanced flexibility<sup>1</sup>

<sup>1</sup>Bench test data on file at Medtronic. May not be indicative of clinical performance.

# CORONARY GUIDE CATHETERS



## Launcher™ Guide Catheter Large Lumen Guide Balancing Flexibility and Support

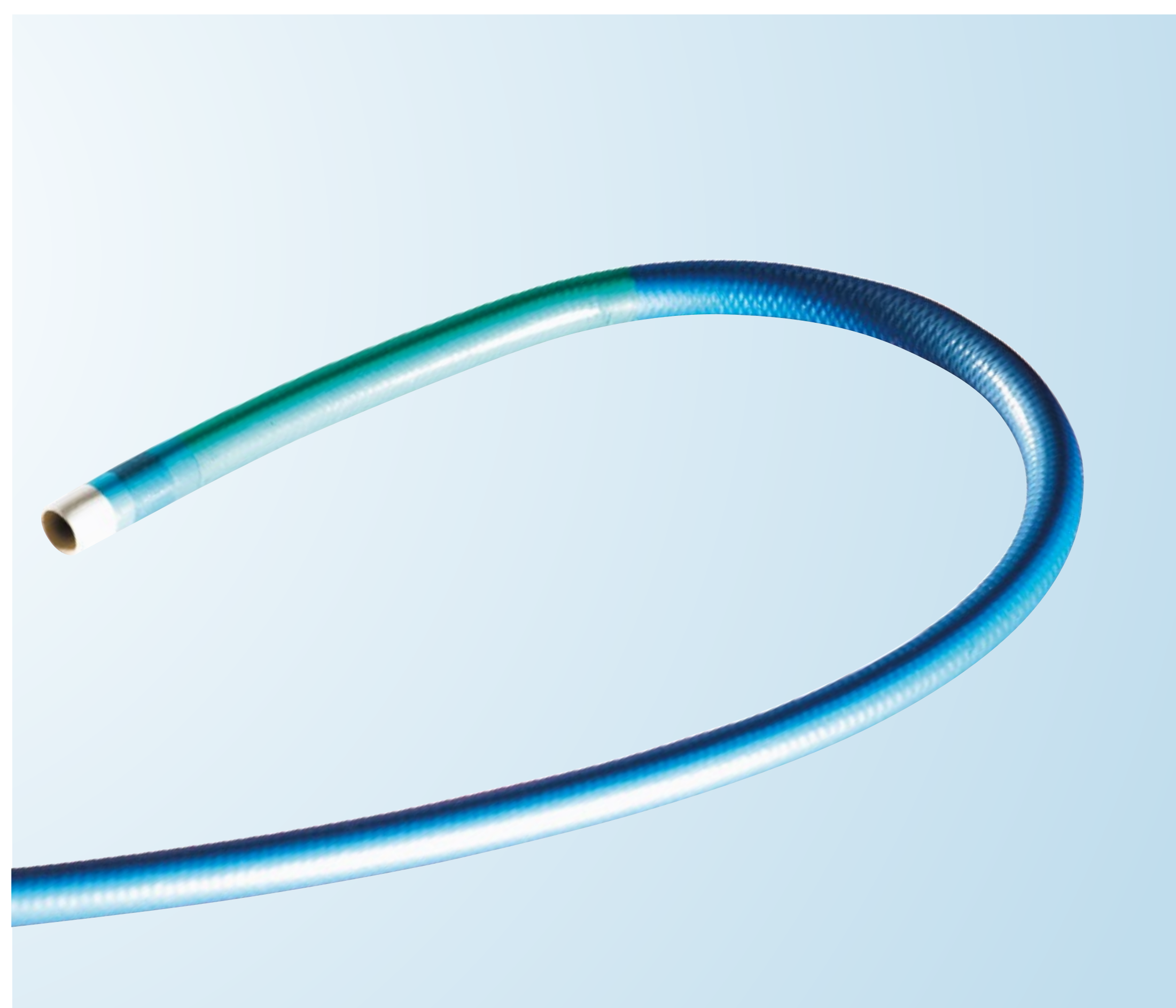
### GENERAL CHARACTERISTICS

- Supplied sterile
  - Items per box: 1
  - Label color: 5 F: Grey, 6 F: Green, 7 F: Orange, 8 F: Blue
  - Lumen inner diameter: 5 F = 0.058", 6 F = 0.071", 7 F = 0.081", 8 F = 0.090"
  - All guide catheters are built at standard 100 cm length. In some cases, if length other than 100 cm or side holes are requested, use appropriate alpha suffix – common examples below. Not all lengths or French sizes are available in all curves. Please see your local sales rep for more detailed information. D = 90 cm; A = 110 cm; Y = 118 cm; SH = side hole
- Full-wall technology construction provides stable torque control; large ID allows for increased contrast flow for enhanced visualization.<sup>1</sup>

### PRODUCT DESCRIPTION

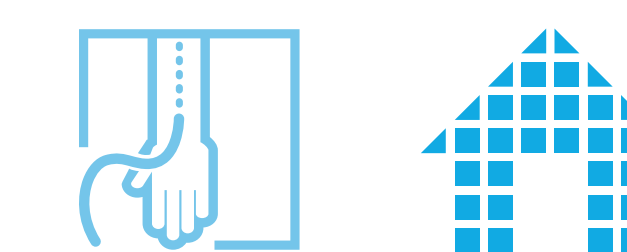
### FEATURES

- Over 230 specialty curves available



<sup>1</sup>Bench test data on file at Medtronic. May not be indicative of clinical performance.

# CORONARY GUIDE CATHETERS



## Launcher™ Guide Catheter Left Coronary Curve

### LEFT STANDARD

PRODUCT CODE	5 F (I.D. 0.058 IN.)	6 F (I.D. 0.071 IN.)	7 F (I.D. 0.081 IN.)	8 F (I.D. 0.090 IN.)
JL2.0	LA5JL20	–	–	–
JL2.5	–	LA6JL25	–	–
JL3.0	LA5JL30	LA6JL30	LA7JL30	LA8JL30
JL3.5	LA5JL35	LA6JL35	LA7JL35	LA8JL35
JL4.0	LA5JL40	LA6JL40	LA7JL40	LA8JL40
JL4.5	LA5JL45	LA6JL45	LA7JL45	LA8JL45
JL5.0	LA5JL50	LA6JL50	LA7JL50	LA8JL50
JL6.0	LA5JL60	LA6JL60	LA7JL60	LA8JL60
JCL3.0	LA5JCL30	LA6JCL30	LA7JCL30	LA8JCL30
JCL3.5	LA5JCL35	LA6JCL35	LA7JCL35	LA8JCL35
JCL4.0	LA5JCL40	LA6JCL40	LA7JCL40	LA8JCL40
JCL4.5	LA5JCL45	LA6JCL45	LA7JCL45	LA8JCL45
JCL5.0	LA5JCL50	LA6JCL50	LA7JCL50	LA8JCL50

# CORONARY GUIDE CATHETERS



## Launcher™ Guide Catheter Short Left Coronary Curve

### SHORT LEFT

PRODUCT CODE	5 F (I.D. 0.058 IN.)	6 F (I.D. 0.071 IN.)	7 F (I.D. 0.081 IN.)	8 F (I.D. 0.090 IN.)
SL3.0	LA5SL30	LA6SL30	LA7SL30	LA8SL30
SL3.5	LA5SL35	LA6SL35	LA7SL35	LA8SL35
SL4.0	LA5SL40	LA6SL40	LA7SL40	LA8SL40
SL4.5	LA5SL45	LA6SL45	LA7SL45	LA8SL45
SL5.0	LA5SL50	LA6SL50	LA7SL50	LA8SL50
SL6.0	–	LA6SL60	LA7SL60	LA8SL60



# CORONARY GUIDE CATHETERS



## Launcher™ Guide Catheter Amplatz Left Coronary Curve

### AMPLATZ LEFT

PRODUCT CODE	5 F (I.D. 0.058 IN.)	6 F (I.D. 0.071 IN.)	7 F (I.D. 0.081 IN.)	8 F (I.D. 0.090 IN.)
AL75	LA5AL75	LA6AL75	LA7AL75	LA8AL75
AL1.0	LA5AL10	LA6AL10	LA7AL10	LA8AL10
AL1.5	LA5AL15	LA6AL15	LA7AL15	LA8AL15
AL1.75	–	LA6AL175	–	–
AL2.0	LA5AL20	LA6AL20	LA7AL20	LA8AL20
AL2.5	LA5AL25	LA6AL25	LA7AL25	LA8AL25
AL3.0	LA5AL30	LA6AL30	LA7AL30	LA8AL30
AL4.0	LA5AL40	LA6AL40	LA7AL40	LA8AL40
AL5.0	–	LA6AL50	–	LA8AL50

# CORONARY GUIDE CATHETERS



## Launcher™ Guide Catheter Short Amplatz Left Coronary Curve

### SHORT AMPLATZ LEFT

PRODUCT CODE	5 F (I.D. 0.058 IN.)	6 F (I.D. 0.071 IN.)	7 F (I.D. 0.081 IN.)	8 F (I.D. 0.090 IN.)
SAL75	LA5SAL75	LA6SAL75	LA7SAL75	LA8SAL75
SAL1.0	LA5SAL10	LA6SAL10	LA7SAL10	LA8SAL10
SAL1.5	LA5SAL15	LA6SAL15	LA7SAL15	LA8SAL15
SAL2.0	LA5SAL20	LA6SAL20	LA7SAL20	LA8SAL20
SAL2.5	LA5SAL25	LA6SAL25	LA7SAL25	–
SAL3.0	LA5SAL30	LA6SAL30	LA7SAL30	LA8SAL30
SAL4.0	LA5SAL40	LA6SAL40	LA7SAL40	LA8SAL40

# CORONARY GUIDE CATHETERS

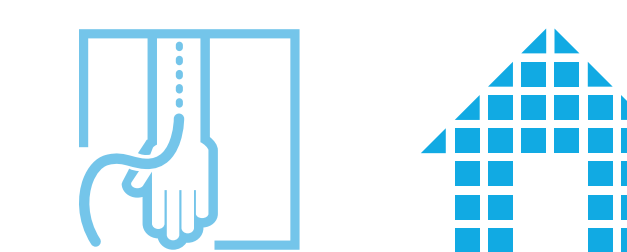


## Launcher™ Guide Catheter Left Coronary Backup Support

### EBU (EXTRA BACKUP)

PRODUCT CODE	5 F (I.D. 0.058 IN.)	6 F (I.D. 0.071 IN.)	7 F (I.D. 0.081 IN.)	8 F (I.D. 0.090 IN.)
EBU2.0	LA5EBU20	–	–	–
EBU3.0	LA5EBU30	LA6EBU30	LA7EBU30	LA8EBU30
EBU3.25	LA5EBU325	LA6EBU325	LA7EBU325	–
EBU3.5	LA5EBU35	LA6EBU35	LA7EBU35	LA8EBU35
EBU3.75	LA5EBU375	LA6EBU375	LA7EBU375	LA8EBU375
EBU4.0	LA5EBU40	LA6EBU40	LA7EBU40	LA8EBU40
EBU4.5	LA5EBU45	LA6EBU45	LA7EBU45	LA8EBU45
EBU5.0	LA5EBU50	LA6EBU50	LA7EBU50	LA8EBU50

# CORONARY GUIDE CATHETERS



## Launcher™ Guide Catheter Right Coronary Curve

### RIGHT STANDARD

PRODUCT CODE	5 F (I.D. 0.058 IN.)	6 F (I.D. 0.071 IN.)	7 F (I.D. 0.081 IN.)	8 F (I.D. 0.090 IN.)
JR3.0	LA5JR30	LA6JR30	LA7JR30	LA8JR30
JR3.5	LA5JR35	LA6JR35	LA7JR35	LA8JR35
JR4.0	LA5JR40	LA6JR40	LA7JR40	LA8JR40
JR4.5	LA5JR45	LA6JR45	LA7JR45	LA8JR45
JR5.0	LA5JR50	LA6JR50	LA7JR50	LA8JR50
JR6.0	LA5JR60	LA6JR60	LA7JR60	LA8JR60
JCR3.5	LA5JCR35	LA6JCR35	LA7JCR35	LA8JCR35
JCR4.0	LA5JCR40	LA6JCR40	LA7JCR40	LA8JCR40
JCR4.5	LA5JCR45	LA6JCR45	LA7JCR45	LA8JCR45
JCR5.0	–	LA6JCR50	LA7JCR50	–

# CORONARY GUIDE CATHETERS



## Launcher™ Guide Catheter Short Right Coronary Curve

### SHORT RIGHT

PRODUCT CODE	5 F (I.D. 0.058 IN.)	6 F (I.D. 0.071 IN.)	7 F (I.D. 0.081 IN.)	8 F (I.D. 0.090 IN.)
SR3.0	LA5SR30	LA6SR30	LA7SR30	LA8SR30
SR3.5	LA5SR35	LA6SR35	LA7SR35	LA8SR35
SR4.0	LA5SR40	LA6SR40	LA7SR40	LA8SR40
SR4.5	–	LA6SR45	LA7SR45	–
SR5.0	LA5SR50	LA6SR50	LA7SR50	LA8SR50
SR6.0	LA5SR60	LA6SR60	LA7SR60	LA8SR60

# CORONARY GUIDE CATHETERS



## Launcher™ Guide Catheter Amplatz Right Coronary Curve

### AMPLATZ RIGHT

PRODUCT CODE	5 F (I.D. 0.058 IN.)	6 F (I.D. 0.071 IN.)	7 F (I.D. 0.081 IN.)	8 F (I.D. 0.090 IN.)
AR1.0	LA5AR10	LA6AR10	LA7AR10	LA8AR10
AR2.0	LA5AR20	LA6AR20	LA7AR20	LA8AR20
ALR1-2	LA5ALR12	LA6ALR12	LA7ALR12	LA8ALR12

# CORONARY GUIDE CATHETERS



## Launcher™ Guide Catheter Short Amplatz Right Coronary Curve

### SHORT AMPLATZ RIGHT

PRODUCT CODE	5 F (I.D. 0.058 IN.)	6 F (I.D. 0.071 IN.)	7 F (I.D. 0.081 IN.)	8 F (I.D. 0.090 IN.)
SAR1.0	LA5SAR10	LA6SAR10	LA7SAR10	LA8SAR10
SAR2.0	LA5SAR20	LA6SAR20	LA7SAR20	LA8SAR20

# CORONARY GUIDE CATHETERS



## Launcher™ Guide Catheter Shepherd's Crook Coronary Curve

### SHEPHERD'S CROOK RIGHT

PRODUCT CODE	5 F (I.D. 0.058 IN.)	6 F (I.D. 0.071 IN.)	7 F (I.D. 0.081 IN.)	8 F (I.D. 0.090 IN.)
SCR3.5	LA5SCR35	LA6SCR35	LA7SCR35	LA8SCR35
SCR4.0	LA5SCR40	LA6SCR40	LA7SCR40	LA8SCR40
SCR5.0	LA5SCR50	LA6SCR50	LA7SCR50	–



# CORONARY GUIDE CATHETERS



## Launcher™ Guide Catheter Right Coronary Backup Support

### ECR CURVES

PRODUCT CODE	5 F (I.D. 0.058 IN.)	6 F (I.D. 0.071 IN.)	7 F (I.D. 0.081 IN.)	8 F (I.D. 0.090 IN.)
ECR 3.5	LA5ECR35	LA6ECR35	LA7ECR35	LA8ECR35
ECR 4.0	LA5ECR40	LA6ECR40	LA7ECR40	LA8ECR40
ECR 4.5	LA5ECR45	LA6ECR45	LA7ECR45	–

# CORONARY GUIDE CATHETERS



## Launcher™ Guide Catheter Right Coronary Backup Support

### RBU CURVES

PRODUCT CODE	5 F (I.D. 0.058 IN.)	6 F (I.D. 0.071 IN.)	7 F (I.D. 0.081 IN.)	8 F (I.D. 0.090 IN.)
RBU 3.5	LA5RBU35	LA6RBU35	LA7RBU35	LA8RBU35
RBU 4.0	LA5RBU40	LA6RBU40	LA7RBU40	LA8RBU40
3DRC	LA53DRC	LA63DRC	LA73DRC	LA83DRC
3DRIGHT	LA53DRIGHT	LA63DRIGHT	LA73DRIGHT	–
NOTO	LA5NOTO	LA6NOTO	LA7NOTO	LA8NOTO

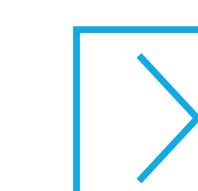
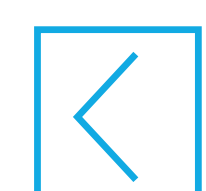
# CORONARY GUIDE CATHETERS



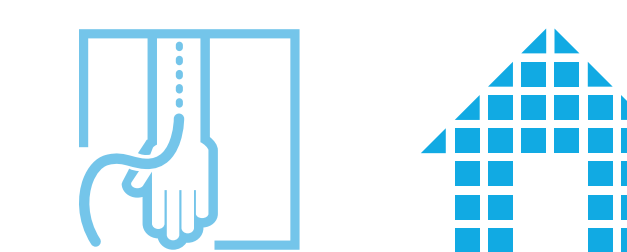
## Launcher™ Guide Catheter Multipurpose Curves

### MULTIPURPOSE

PRODUCT CODE	5 F (I.D. 0.058 IN.)	6 F (I.D. 0.071 IN.)	7 F (I.D. 0.081 IN.)	8 F (I.D. 0.090 IN.)
MB1	LA5MB1	LA6MB1	LA7MB1	LA8MB1
MB2	LA5MB2	LA6MB2	LA7MB2	LA8MB2
MP1	LA5MP1	LA6MP1	LA7MP1	LA8MP1
MP2	–	LA6MP2	–	–
MP Short Tip	LA5MPST	LA6MPST	LA7MPST	LA8MPST
Hockey Stick I	LA5HSI	LA6HSI	LA7HSI	LA8HSI
Hockey Stick II	LA5HSII	LA6HSII	LA7HSII	LA8HSII
HS II Relaxed	LA5HSREL	LA6RMHSII	LA7RMHSII	LA8RMHSII
Hockey Stick III	LA5HSIII	LA6HSIII	LA7HSIII	LA8HSIII
El Gamal	LA5ELGAMAL	LA6ELGAMAL	LA7ELGAMAL	LA8ELGAMAL



# CORONARY GUIDE CATHETERS



## Launcher™ Guide Catheter Other Curves

### MAC (MULTI-AORTIC CURVES)

PRODUCT CODE	5 F (I.D. 0.058 IN.)	6 F (I.D. 0.071 IN.)	7 F (I.D. 0.081 IN.)	8 F (I.D. 0.090 IN.)
MAC3.0	LA5MAC30	LA6MAC30	LA7MAC30	LA8MAC30
MAC3.5	LA5MAC35	LA6MAC35	LA7MAC35	LA8MAC35
MAC3.75	LA5MAC375	LA6MAC375	LA7MAC375	–
MAC4.0	LA5MAC40	LA6MAC40	LA7MAC40	LA8MAC40
MAC4.5	LA5MAC45	LA6MAC45	LA7MAC45	LA8MAC45
MAC5.0	LA5MAC50	LA6MAC50	LA7MAC50	LA8MAC50

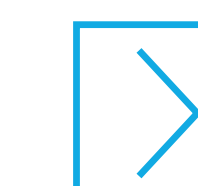
# CORONARY GUIDE CATHETERS



## Launcher™ Guide Catheter Bypass Curves

### BYPASS GRAFTS

PRODUCT CODE	5 F (I.D. 0.058 IN.)	6 F (I.D. 0.071 IN.)	7 F (I.D. 0.081 IN.)	8 F (I.D. 0.090 IN.)
LCB	LA5LCB	LA6LCB	LA7LCB	LA8LCB
LCB Relaxed	–	LA6RELAXLCB	–	–
RCB	LA5RCB	LA6RCB	LA7RCB	LA8RCB
RCB (90 cm)	LA5RCBD	LA6RCBD	LA7RCBD	LA8RCBD
IMA	LA5IMA	LA6IMA	LA7IMA	LA8IMA
IMA (90 cm)	LA5IMAD	LA6IMAD	LA7IMAD	LA8IMAD



# CORONARY GUIDE CATHETERS

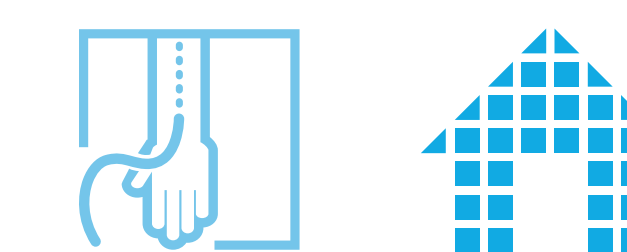


## Launcher™ Guide Catheter Bypass Curves

### CHAMP

PRODUCT CODE	5 F (I.D. 0.058 IN.)	6 F (I.D. 0.071 IN.)	7 F (I.D. 0.081 IN.)	8 F (I.D. 0.090 IN.)
CHAMP 0.5	LA5CHAMP05	LA6CHAMP05	LA7CHAMP05	LA8CHAMP05
CHAMP 10	LA5CHAMP10	LA6CHAMP10	LA7CHAMP10	LA8CHAMP10
CHAMP 15	LA5CHAMP15	LA6CHAMP15	LA7CHAMP15	LA8CHAMP15
CHAMP 20	LA5CHAMP20	LA6CHAMP20	LA7CHAMP20	LA8CHAMP20
CHAMP 25	LA5CHAMP25	LA6CHAMP25	LA7CHAMP25	LA8CHAMP25
CHAMP 30	LA5CHAMP30	LA6CHAMP30	LA7CHAMP30	LA8CHAMP30
CHAMP 35	LA5CHAMP35	LA6CHAMP35	LA7CHAMP35	LA8CHAMP35
CHAMP 40	LA5CHAMP40	LA6CHAMP40	LA7CHAMP40	LA8CHAMP40

# CORONARY GUIDE CATHETERS



## Launcher™ Guide Catheter Radial Curves

### ADDITIONAL RADIAL CURVES

PRODUCT CODE	5 F (I.D. 0.058 IN.)	6 F (I.D. 0.071 IN.)	7 F (I.D. 0.081 IN.)	8 F (I.D. 0.090 IN.)
MRADIAL	LA5MRADIAL	LA6MRADIAL	-	-
MRESS	LA5MRESS	LA6MRESS	-	-
RIGHT RADIAL	LA5RRAD	LA6RRAD	-	-
ERADL	LA5ERADL	LA6ERADL	-	-
ERADLLT	LA5ERADLLT	LA6ERADLLT	-	-
ERADLST	LA5ERADLST	LA6ERADLST	-	-
ERADR	LA5ERADR	LA6ERADR	-	-
ERADRST	LA5ERADRST	LA6ERADRST	-	-
LARA	LA5LARA	LA6LARA	-	-
MAC3030	LA5MAC3030	LA6MAC3030	-	-
PAPA	LA5PAPA	LA6PAPA	-	-
PAPA1	LA5PAPA1	LA6PAPA1	-	-

# CORONARY GUIDE CATHETERS



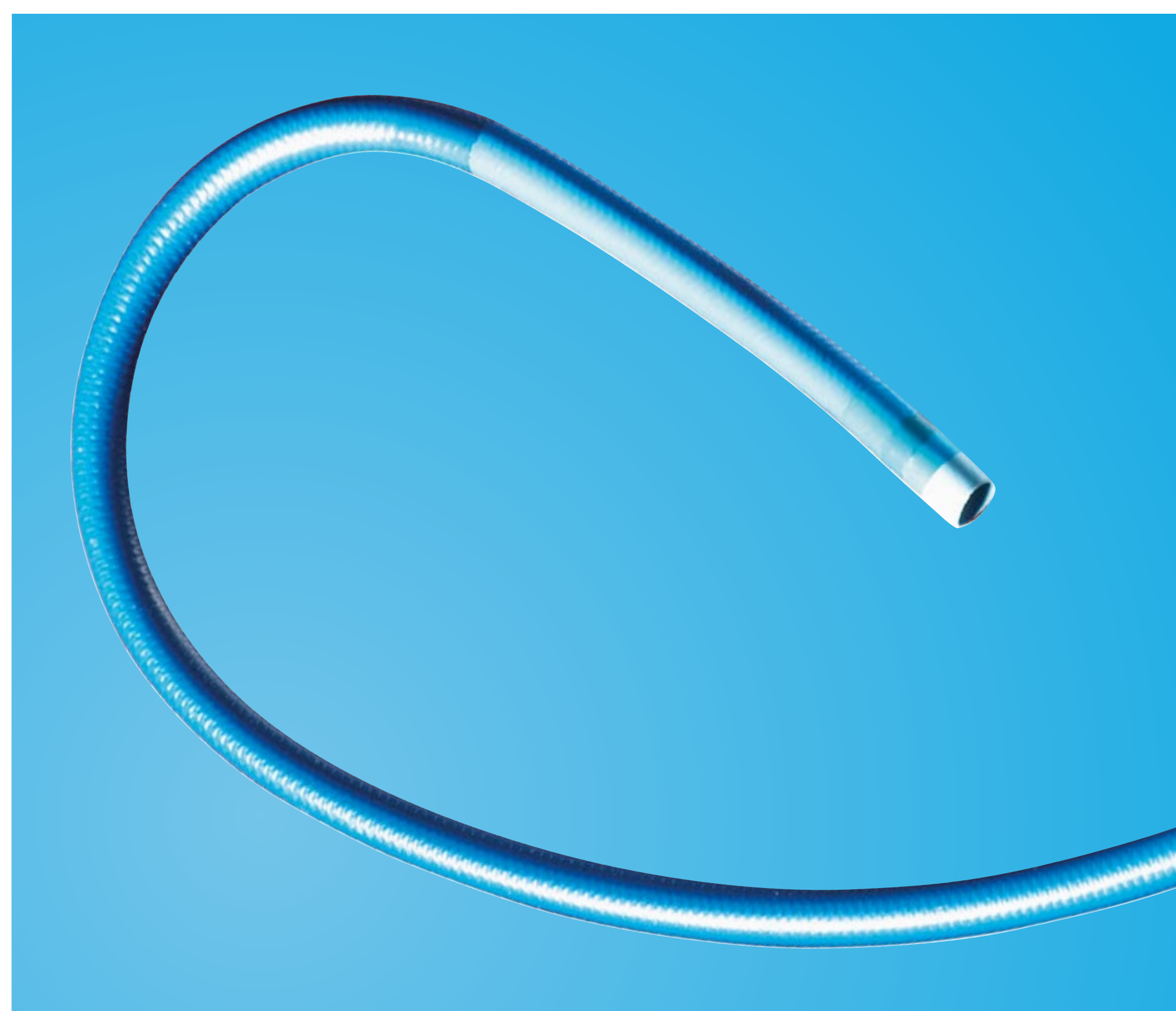
## Sherpa NX™ Balanced

### GENERAL CHARACTERISTICS

- Supplied sterile
- Items per box: 1
- Label color: 6 F = Green, 7 F = Orange; Product code: D=90 cm; A=110 cm; Y=118 cm; SH=side holes
- Lumen inner diameter: 6 F = 0.070", 7 F = 0.080"
- All guide catheters are built at standard 100 cm length. In some cases, if length other than 100 cm or side holes are requested, use appropriate alpha suffix — common examples below. Not all lengths or French sizes are available in all curves. Please see your local sales rep for more detailed information.

### PRODUCT DESCRIPTION

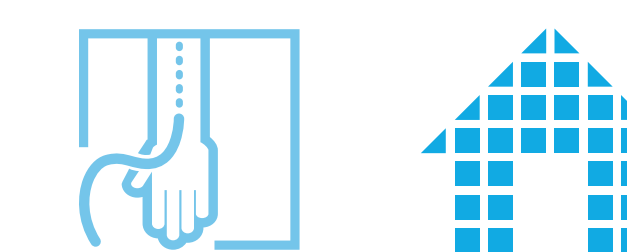
Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low-friction device passage.<sup>1</sup>



<sup>1</sup>Bench test data on file at Medtronic. May not be indicative of clinical performance.



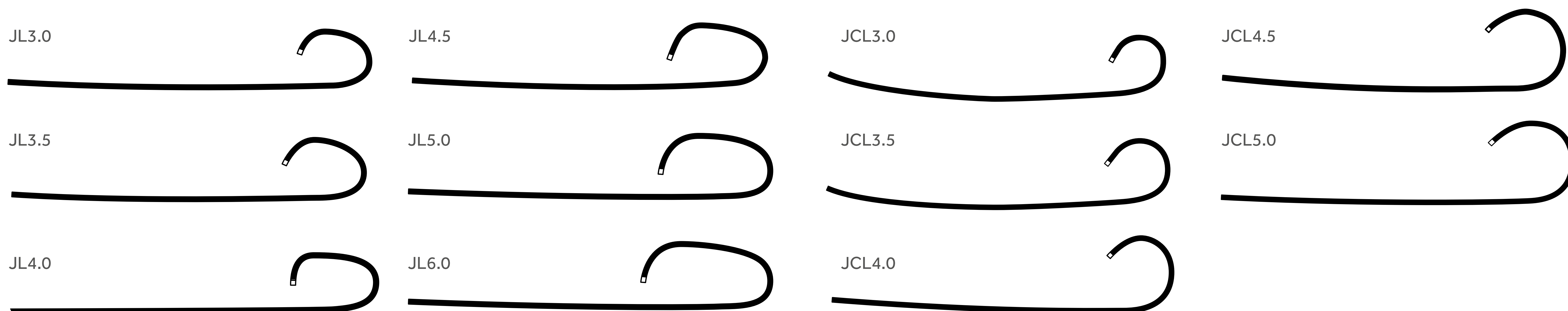
# CORONARY GUIDE CATHETERS



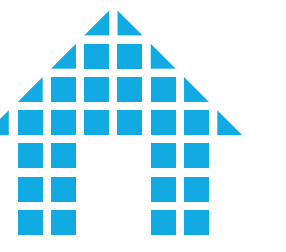
## Sherpa NX™ Balanced Left Coronary Curve

### LEFT STANDARD

	6 F BALANCED CODE	7 F BALANCED CODE
JL3.0	SB6JL30	SB7JL30
JL3.5	SB6JL35	SB7JL35
JL4.0	SB6JL40	SB7JL40
JL4.5	SB6JL45	SB7JL45
JL5.0	SB6JL50	SB7JL50
JL6.0	SB6JL60	SB7JL70
JCL3.0	SB6JCL30	–
JCL3.5	SB6JCL35	SB7JCL35
JCL4.0	SB6JCL40	SB7JCL40
JCL4.5	SB6JCL45	SB7JCL45
JCL5.0	–	SB7JCL50



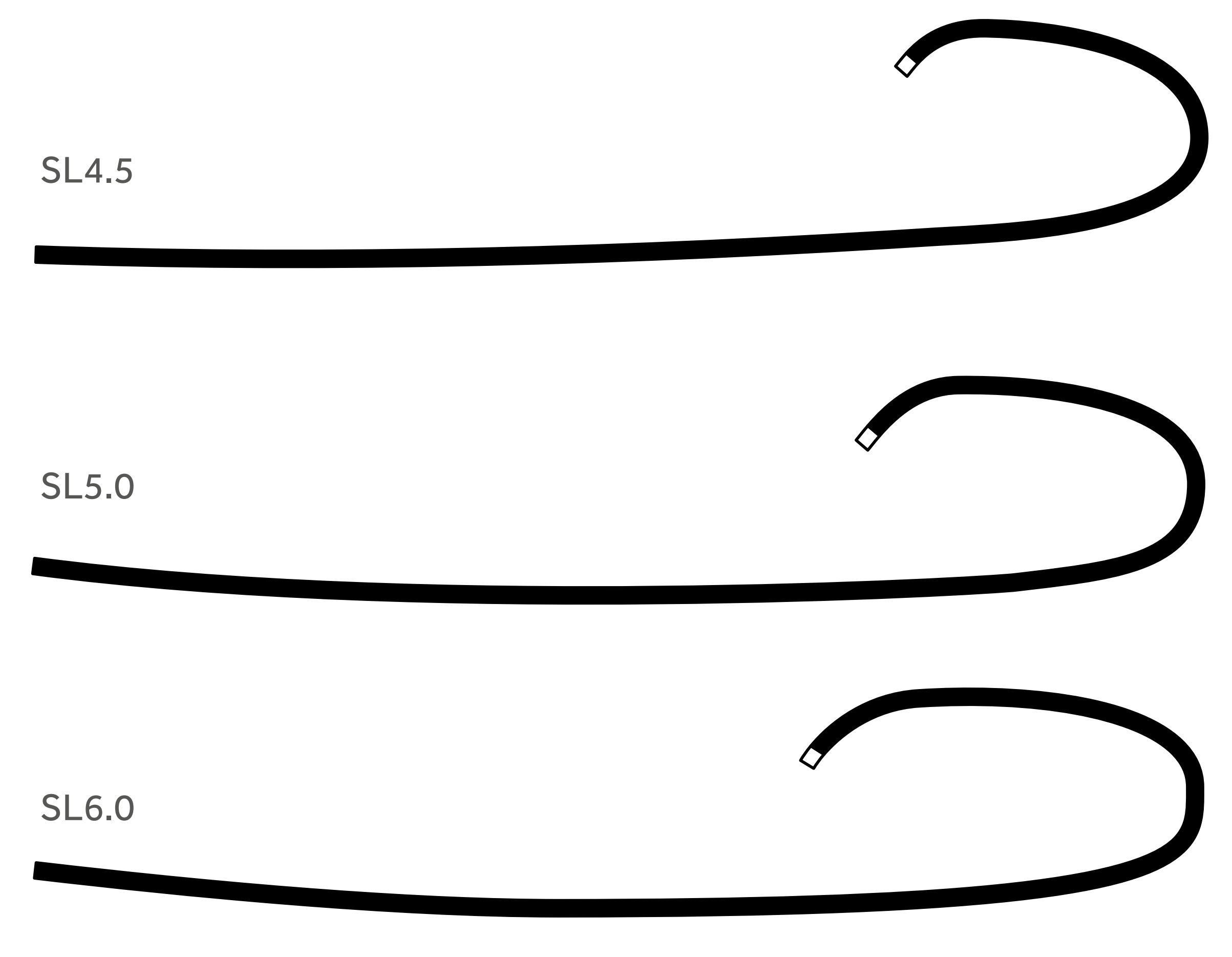
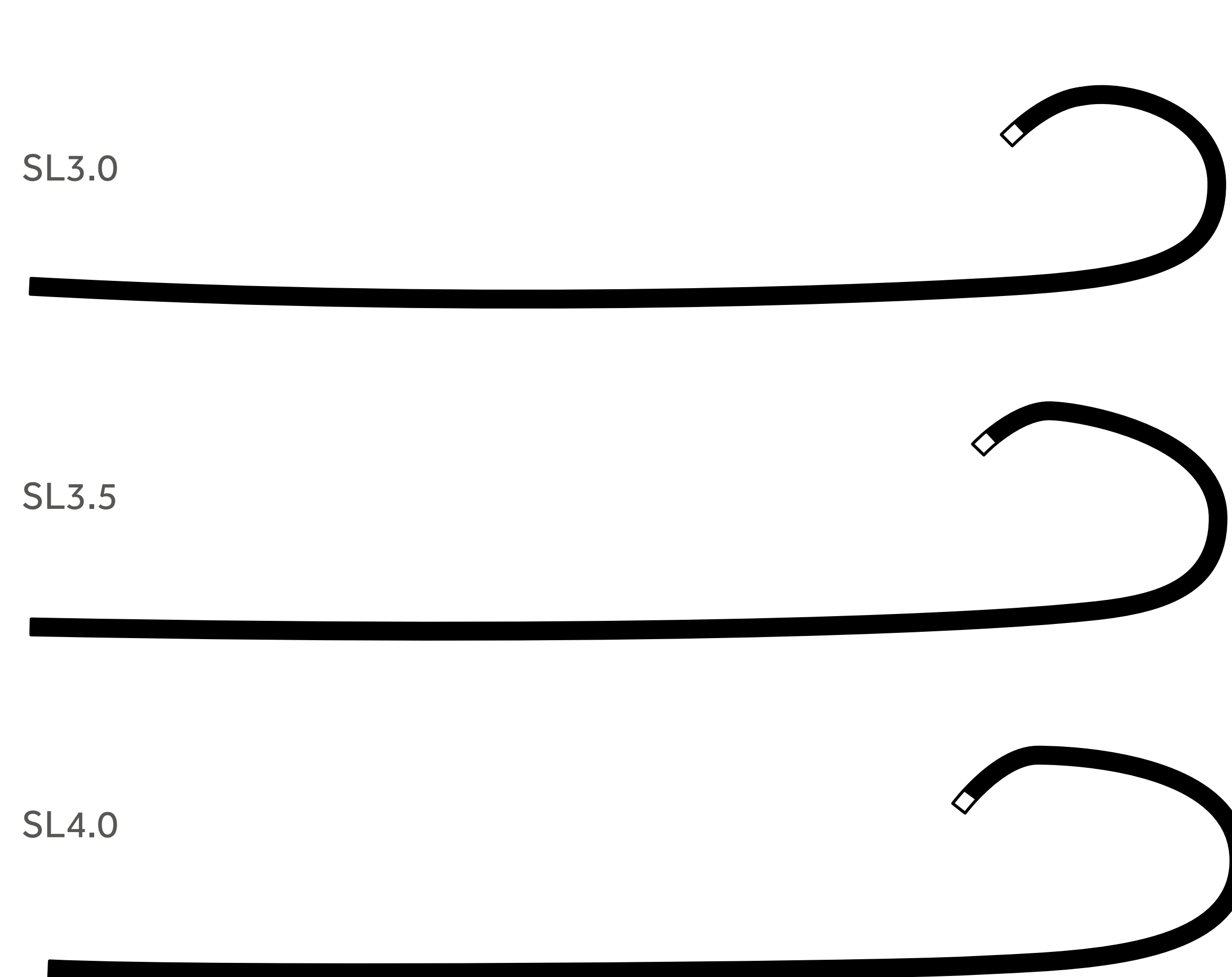
# CORONARY GUIDE CATHETERS



## Sherpa NX™ Balanced Short Left Coronary Curve

### SHORT LEFT

	6 F BALANCED CODE	7 F BALANCED CODE
SL3.0	SB6SL30	–
SL3.5	SB6SL35	SB7SL35
SL4.0	SB6SL40	SB7SL40
SL4.5	SB6SL45	–
SL5.0	SB6SL50	–



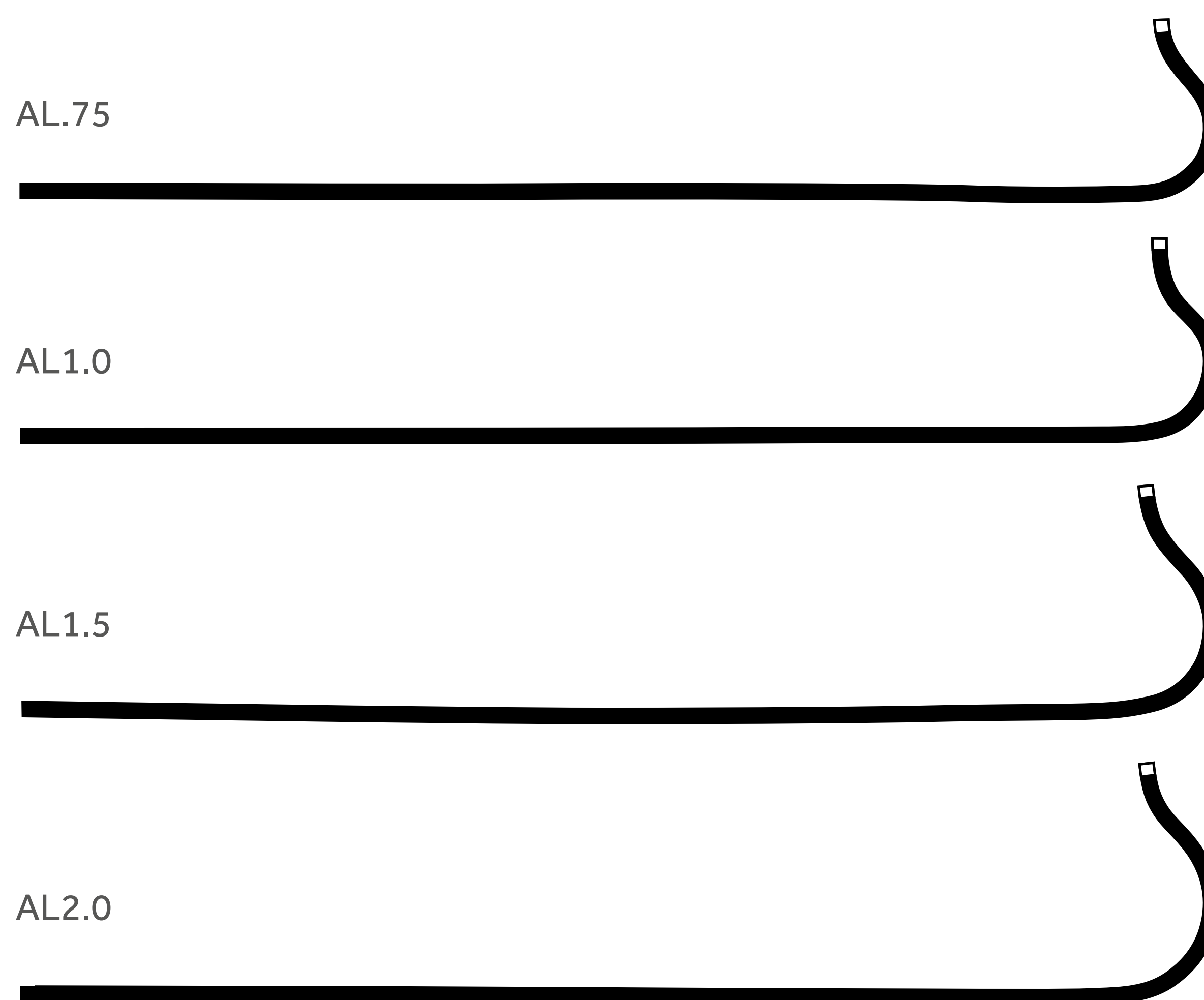
# CORONARY GUIDE CATHETERS



## Sherpa NX™ Balanced Amplatz Left Coronary Curve

### AMPLATZ LEFT

	6 F BALANCED CODE	7 F BALANCED CODE
AL75	SB6AL75	SB7AL75
AL1.0	SB6AL10	SB7AL10
AL1.5	SB6AL15	SB7AL15
AL2.0	SB6AL20	SB7AL20
AL2.5	SB6AL25	–
AL3.0	SB6AL30	SB7AL30
AL4.0	SB6AL40	SB7AL40



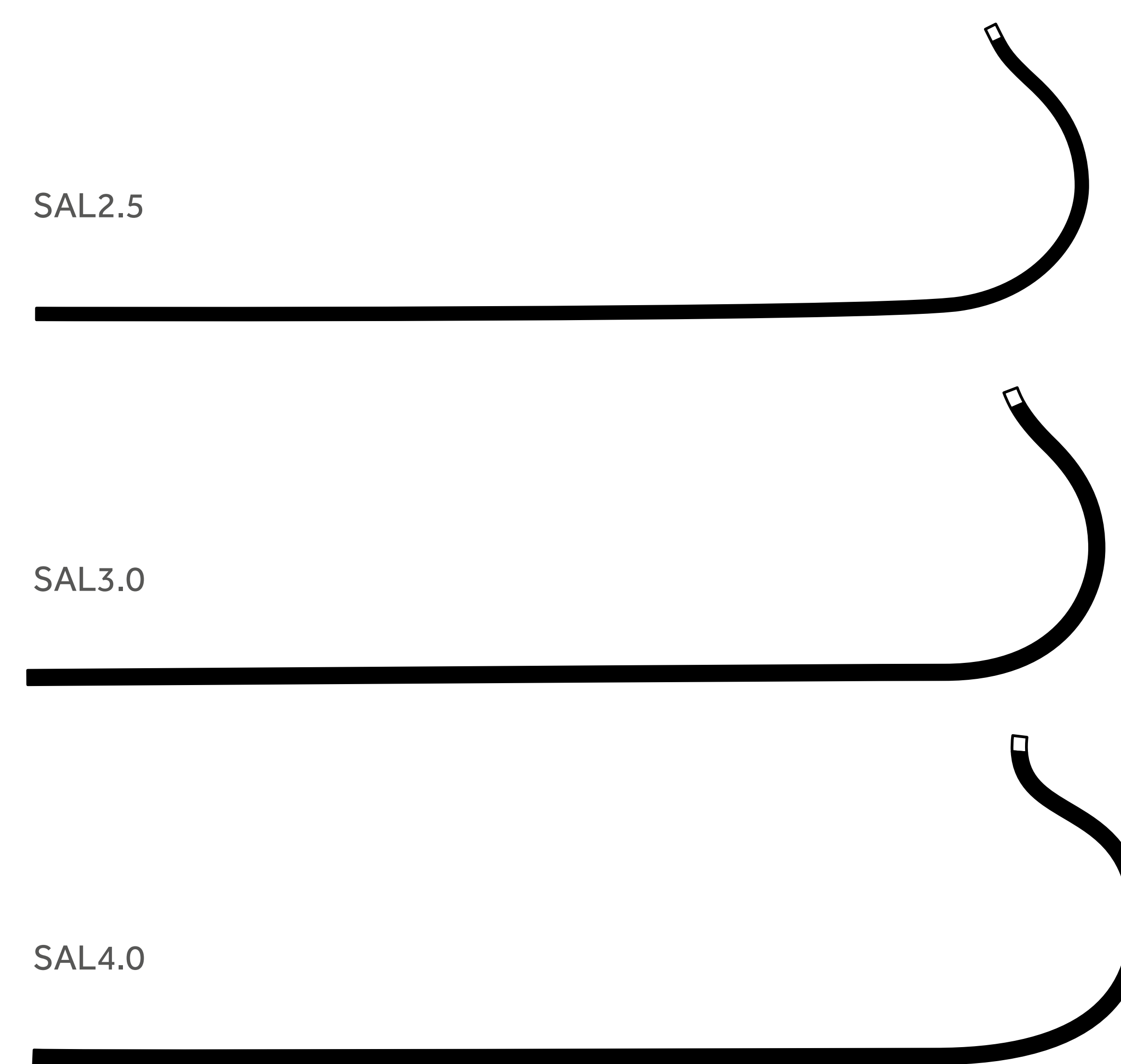
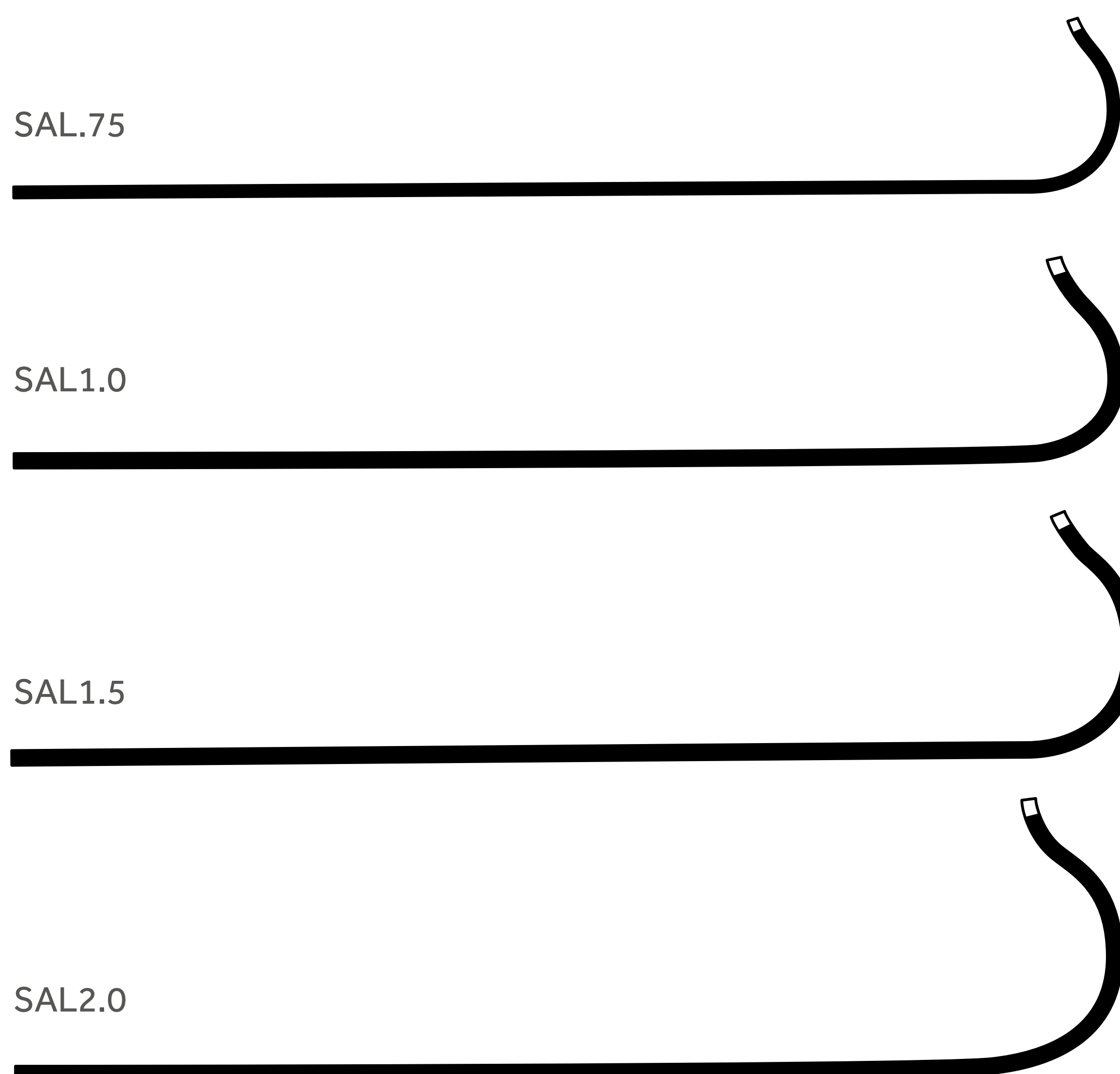
# CORONARY GUIDE CATHETERS



## Sherpa NX™ Balanced Short Amplatz Left Coronary Curve

### SHORT AMPLATZ LEFT

	6 F BALANCED CODE	7 F BALANCED CODE
SAL75	SB6SAL75	SB7SAL75
SAL1.0	SB6SAL10	SB7SAL10
SAL1.5	SB6SAL15	–
SAL2.0	SB6SAL20	SB7SAL20
SAL3.0	SB6SAL30	SB7SAL30
SAL4.0	SB6SAL40	–



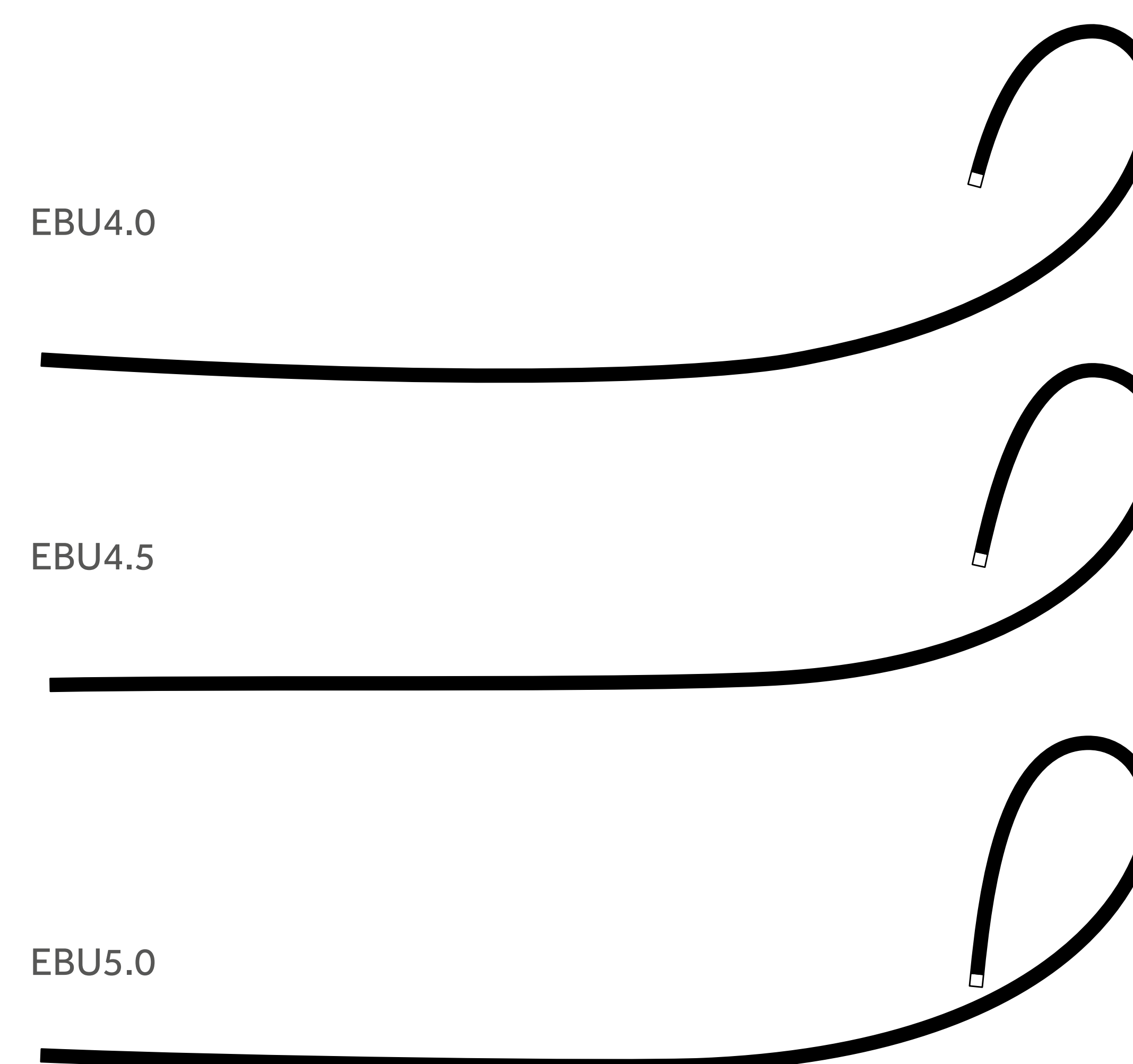
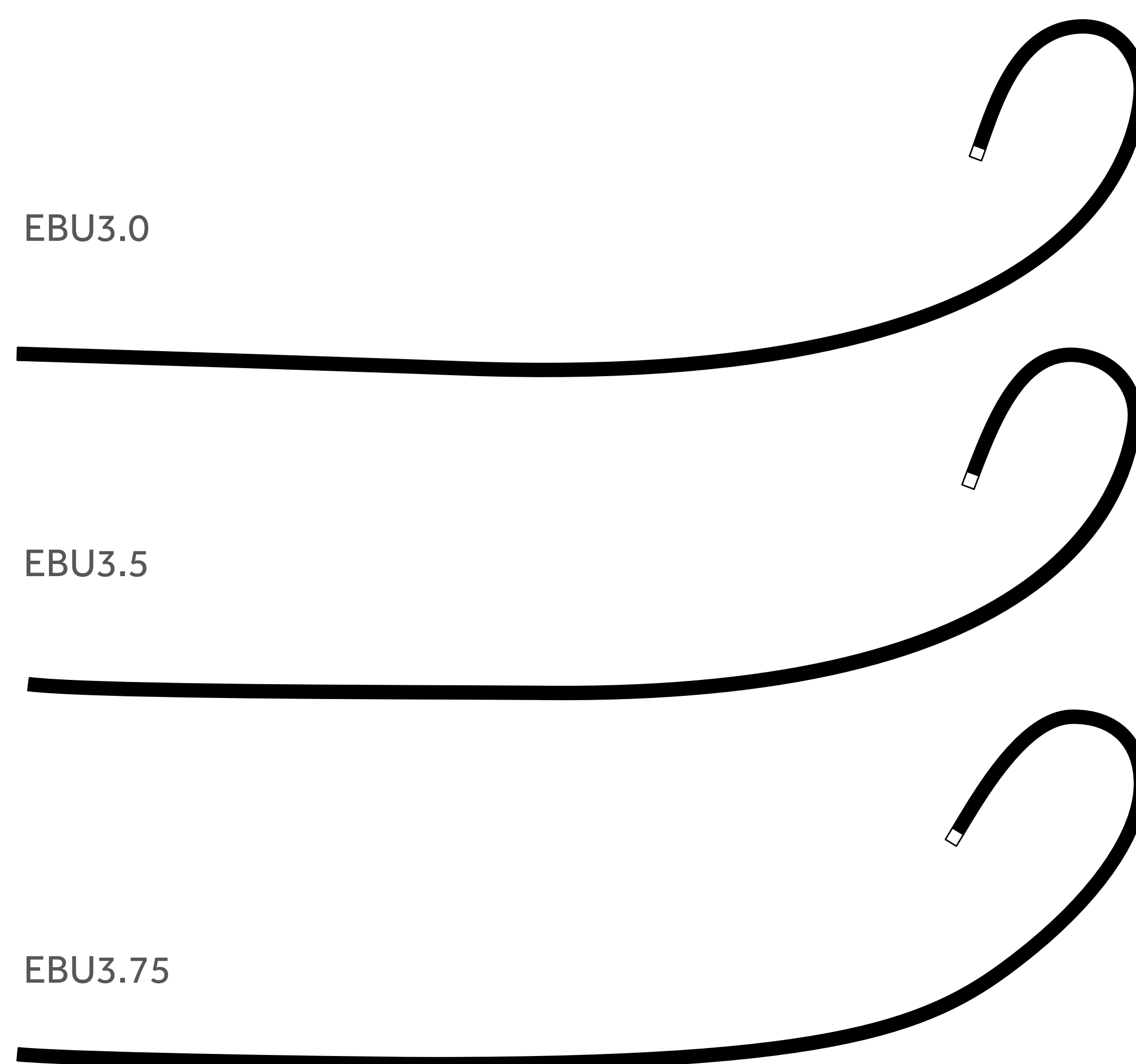
# CORONARY GUIDE CATHETERS



## Sherpa NX™ Balanced Left Coronary Backup Support

### EBU (EXTRA BACKUP)

	6 F BALANCED CODE	7 F BALANCED CODE
EBU3.0	SB6EBU30	SB7EBU30
EBU3.5	SB6EBU35	SB7EBU35
EBU3.75	SB6EBU375	SB7EBU375
EBU4.0	SB6EBU40	SB7EBU40
EBU4.5	SB6EBU45	SB7EBU45
EBU5.0	SB6EBU50	SB7EBU50



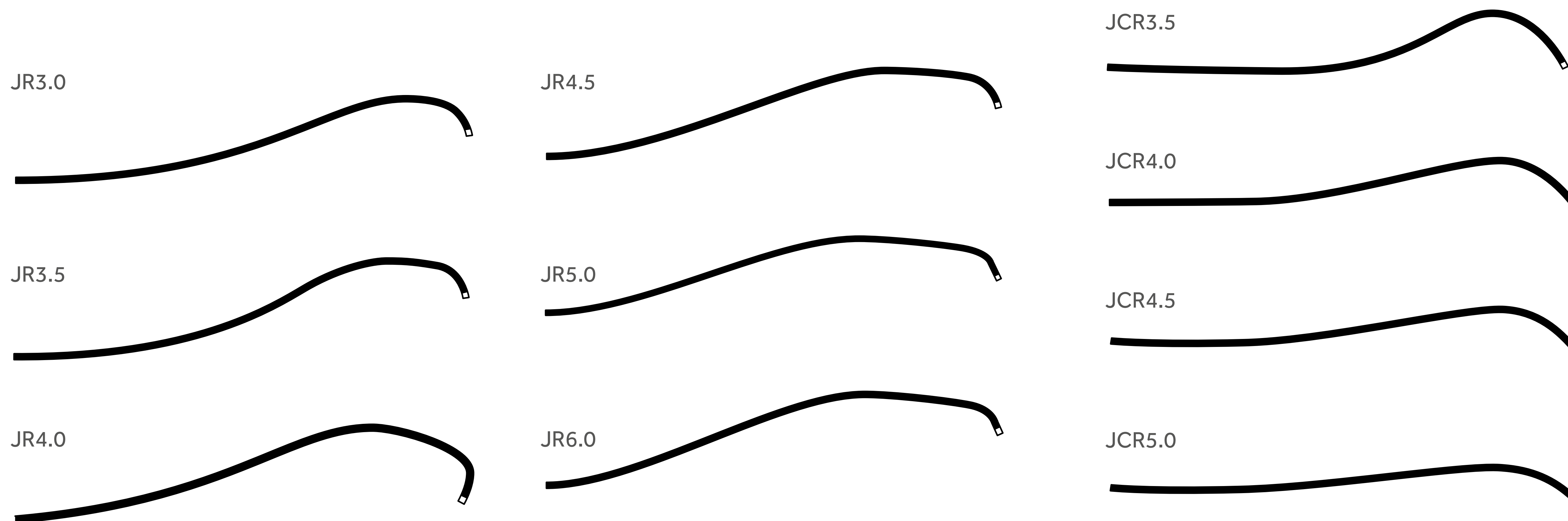
# CORONARY GUIDE CATHETERS



## Sherpa NX™ Balanced Right Coronary Curve

### RIGHT STANDARD

	6 F BALANCED CODE	7 F BALANCED CODE
JR3.0	SB6JR30	SB7JR30
JR3.5	SB6JR35	SB7JR35
JR4.0	SB6JR40	SB7JR40
JR4.5	SB6JR45	SB7JR45
JR5.0	SB6JR50	SB7JR50
JR6.0	SB6JR60	SB7JR60
JCR3.5	SB6JCR35	SB7JCR35
JCR4.0	SB6JCR40	SB7JCR40



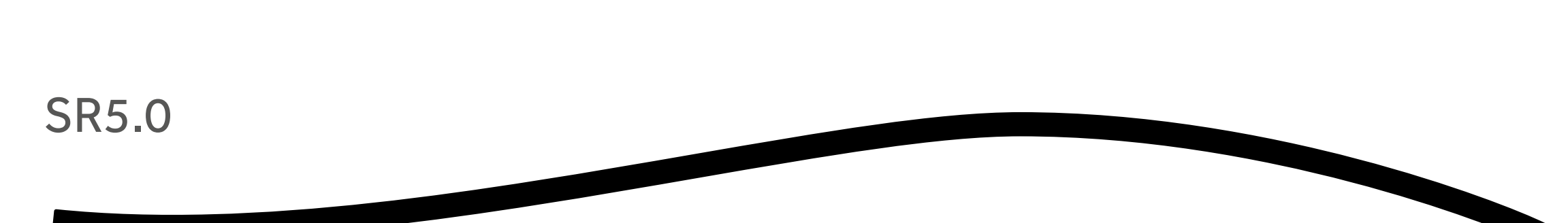
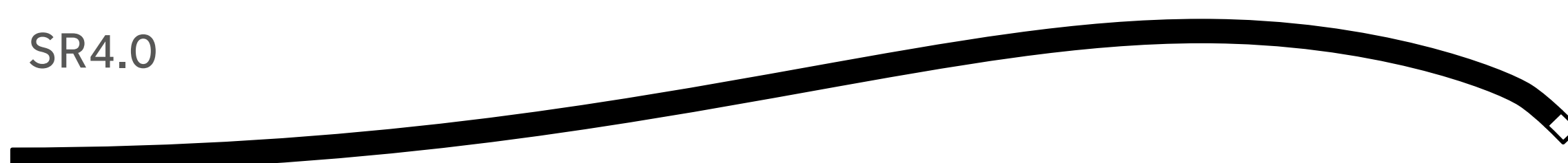
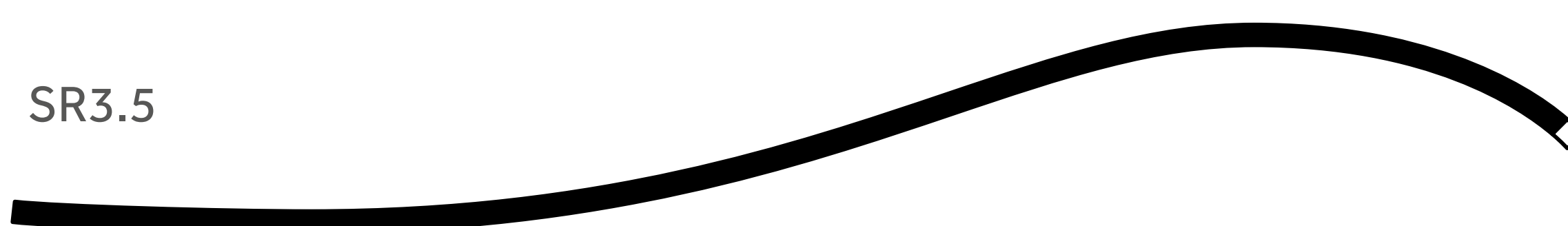
# CORONARY GUIDE CATHETERS



## Sherpa NX™ Balanced Short Right Coronary Curve

### SHORT RIGHT

	6 F BALANCED CODE
SR3.0	SB6SR30
SR3.5	SB6SR35
SR4.0	SB6SR40
SR4.5	SB6SR45
SR5.0	SB6SR50
SR6.0	SB6SR60



# CORONARY GUIDE CATHETERS



## Sherpa NX™ Balanced Amplatz Right Coronary Curve

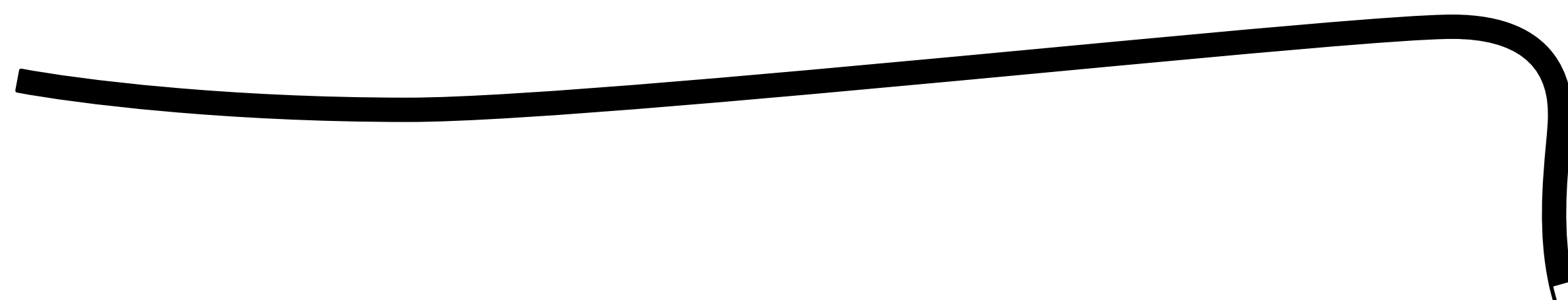
### AMPLATZ RIGHT

	6 F BALANCED CODE	7 F BALANCED CODE
AR1.0	SB6AR10	SB7AR10
AR2.0	SB6AR20	SB7AR20
ALR1-2	SB6ALR12	SB7ALR12

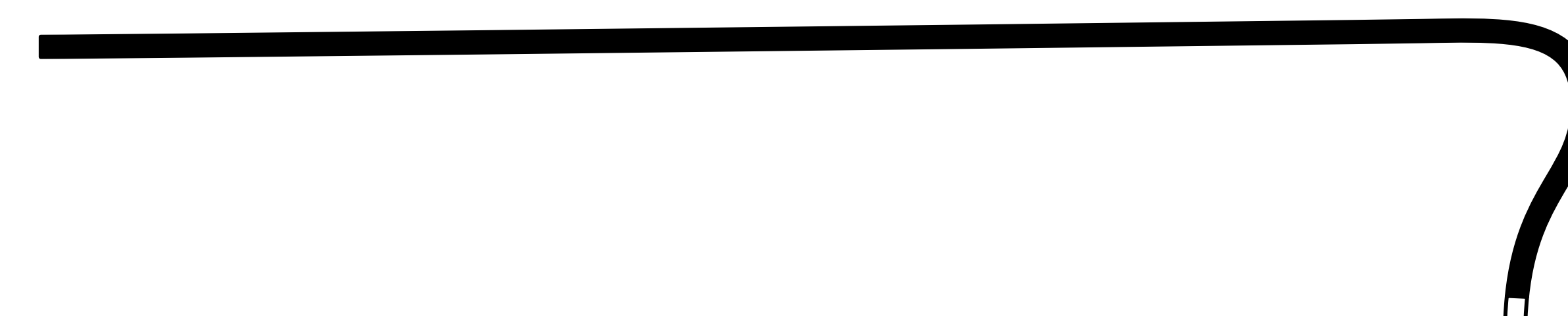
AR1.0



AR2.0



ALR1-2





# CORONARY GUIDE CATHETERS



## Sherpa NX™ Balanced Short Amplatz Right Coronary Curve

### SHORT AMPLATZ RIGHT

	6 F BALANCED CODE	7 F BALANCED CODE
SAR1.0	SB6SAR10	SB7SAR10
SAR2.0	SB6SAR20	SB7SAR20

SAR1.0



SAR2.0



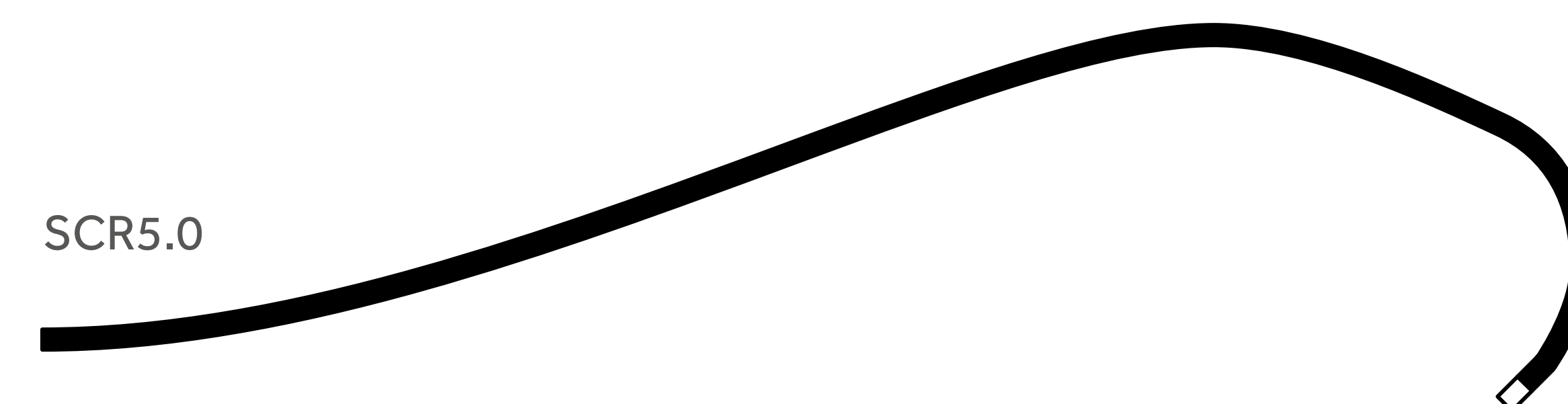
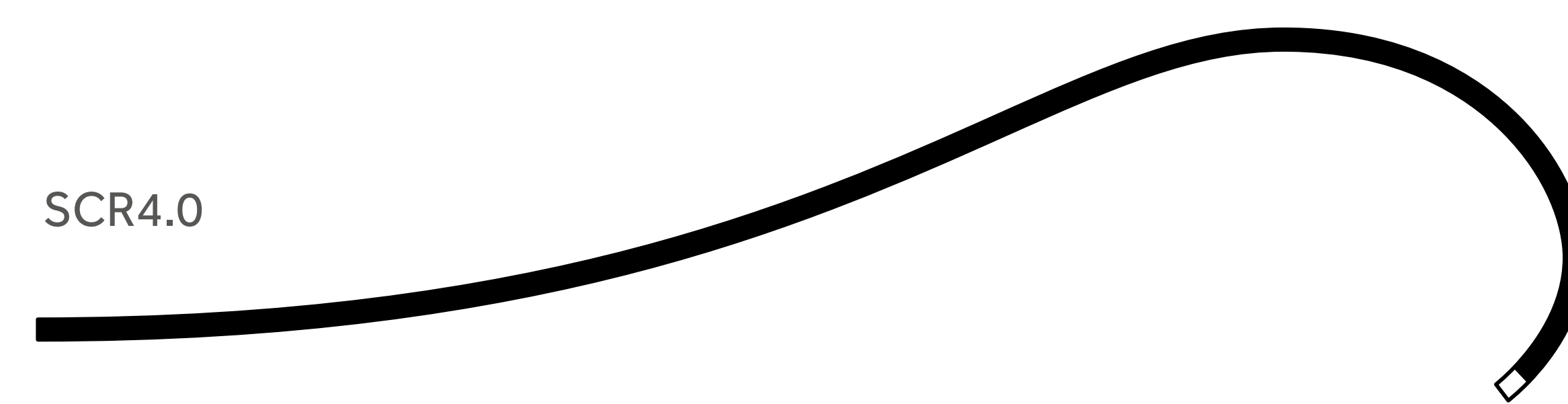
# CORONARY GUIDE CATHETERS



## Sherpa NX™ Balanced Shepherd's Crook Right Coronary Curve

### SHEPHERD'S CROOK RIGHT

	6 F BALANCED CODE	7 F BALANCED CODE
SCR3.5	SB6SCR35	–
SCR4.0	SB6SCR40	SB7SCR40



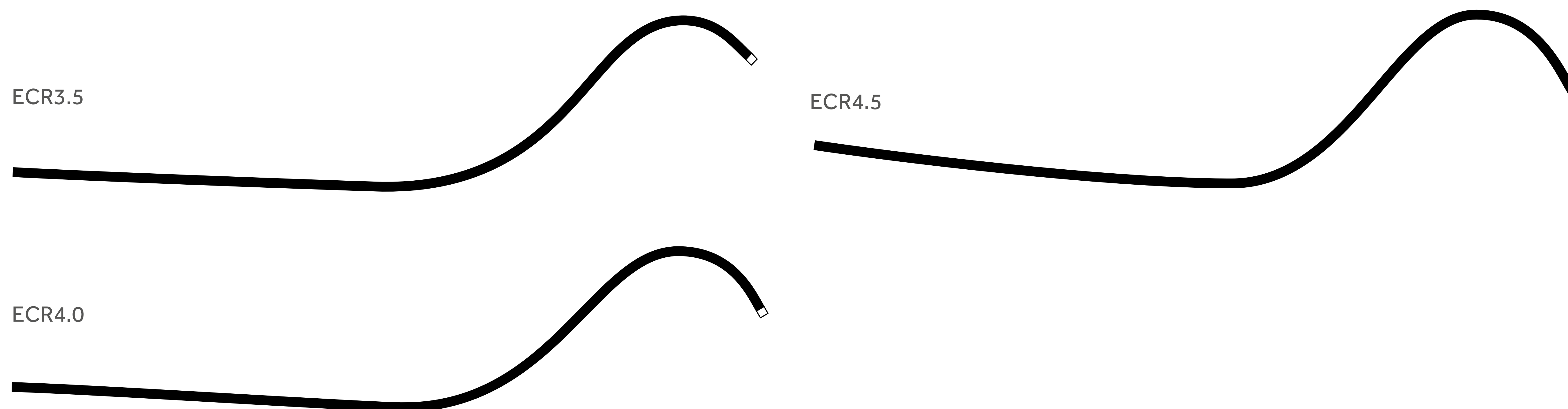
# CORONARY GUIDE CATHETERS



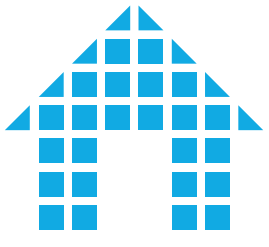
## Sherpa NX™ Balanced Right Coronary Backup Support

### ECR CURVES

	6 F BALANCED CODE	7 F BALANCED CODE
ECR 3.0	SB6ECR30	–
ECR 3.5	SB6ECR35	SB7ECR35
ECR 4.0	SB6ECR40	SB7ECR40



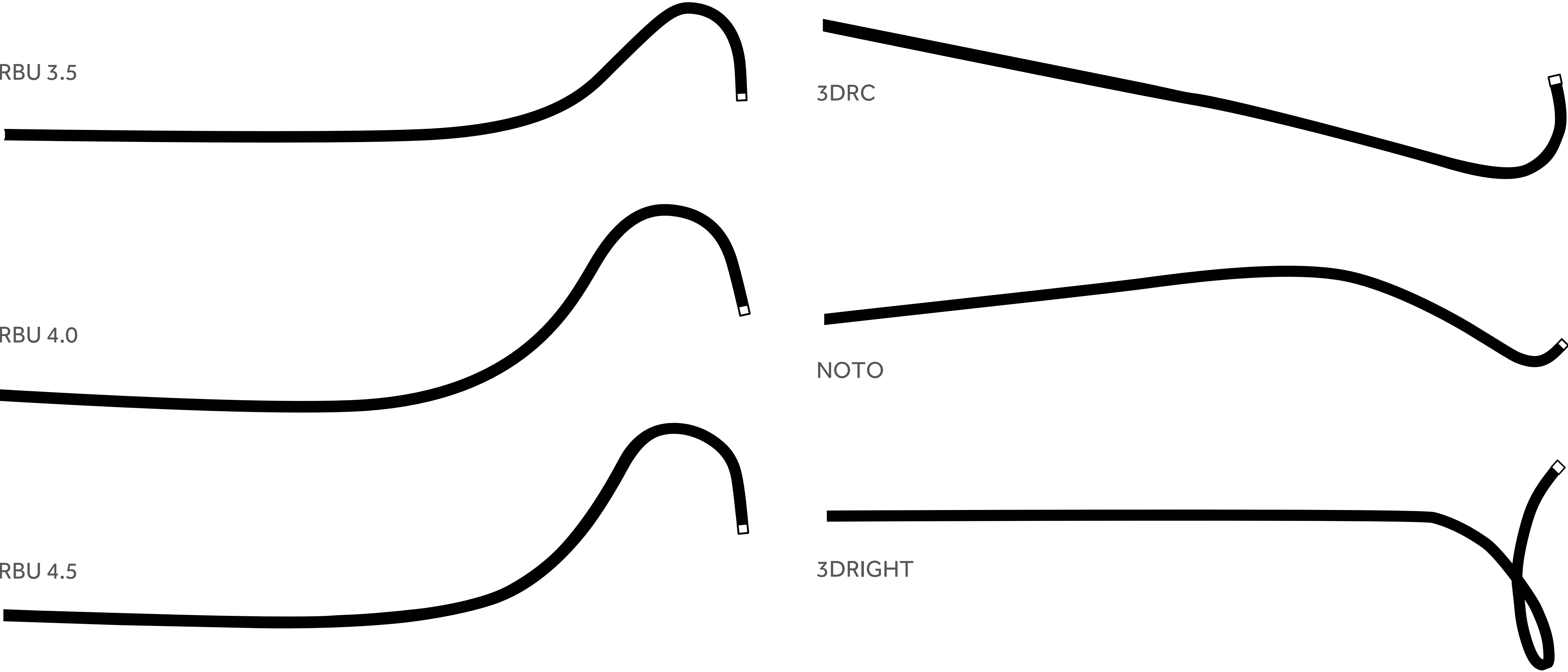
# CORONARY GUIDE CATHETERS



## Sherpa NX™ Balanced Right Coronary Backup Support

### BACKUP SUPPORT CURVES

	6 F BALANCED CODE	7 F BALANCED CODE
RBU 3.5	SB6RBU35	SB7RBU35
RBU 4.0	SB6RBU40	SB7RBU40
RBU 4.5	SB6RBU45	SB7RBU45
3DRC	SB63DRC	SB73DRC
3DRIGHT	SB63DRIGHT	SB73DRIGHT
NO TORQUE Right	SB6NOTO	SB7NOTO



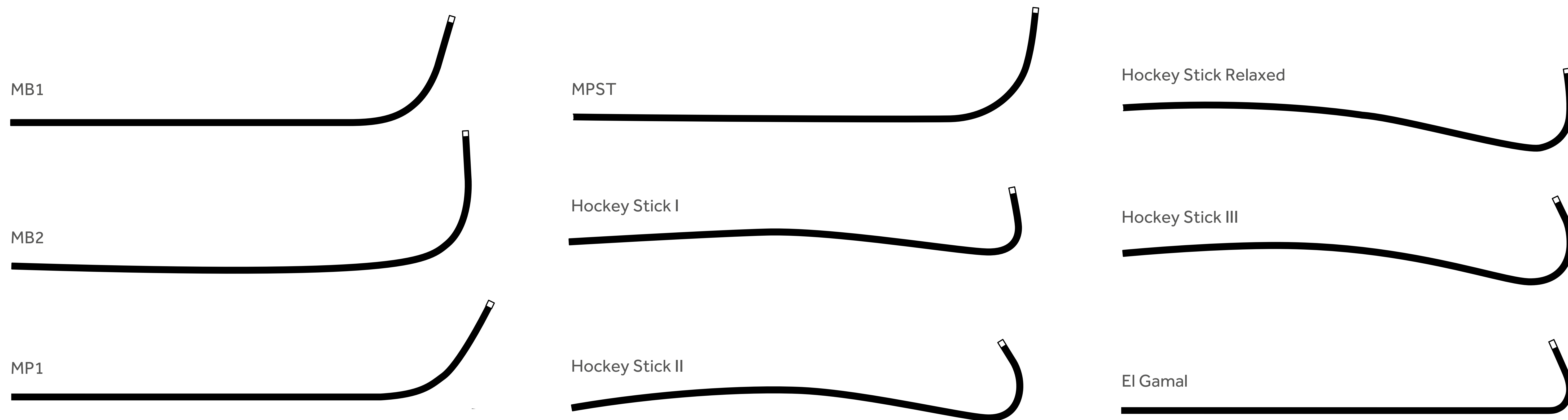
# CORONARY GUIDE CATHETERS



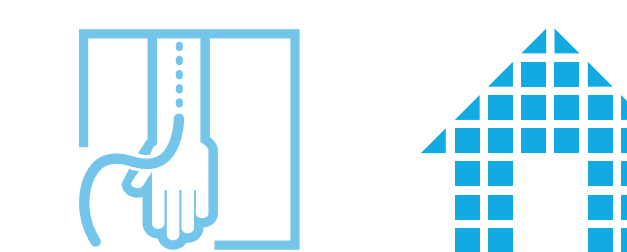
## Sherpa NX™ Balanced Multipurpose Curves

### MULTIPURPOSE

	6 F BALANCED CODE	7 F BALANCED CODE
MB1	SB6MB1	SB7MB1
MB2	SB6MB2	SB7MB2
MB Short Tip	SB6MPST	–
MP1	SB6MP1	SB7MP1
MP2	SB6MP2	–
NOTO	SB6NOTO	SB7NOTO
Hockey Stick I	SB6HSI	SB7HSI
Hockey Stick II	SB6HSII	SB7HSII
HS II Relaxed	SB6RMHSII	–
Hockey Stick III	SB6HSIII	SB7HSIII
El Gamal	SB6ELGAMAL	–



# CORONARY GUIDE CATHETERS



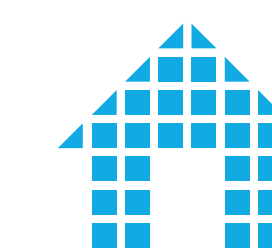
## Sherpa NX™ Balanced Other Curves

### MAC(MULTI-AORTIC CURVES)

	6 F BALANCED CODE	7 F BALANCED CODE
MAC3.0	SB6MAC30	SB7MAC30
MAC3.5	SB6MAC35	SB7MAC35
MAC3.75	SB6MAC375	–
MAC4.0	SB6MAC40	SB7MAC40
MAC4.5	SB6MAC45	–
MAC5.0	SB6MAC50	SB7MAC50



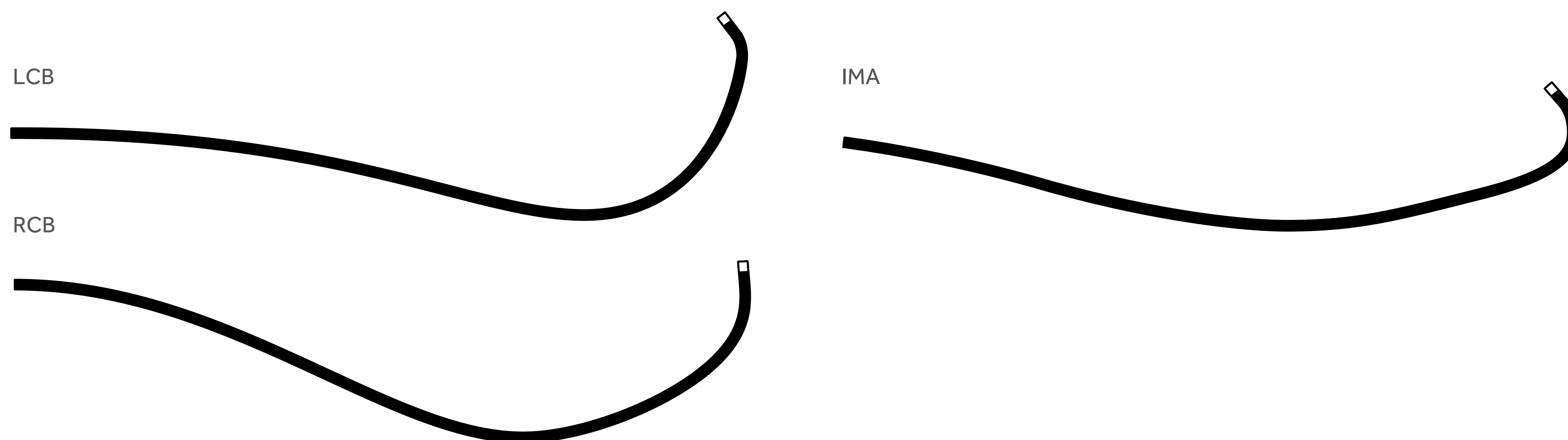
# CORONARY GUIDE CATHETERS



## Sherpa NX™ Balanced Bypass Curves

### BYPASS CURVES

	6 F BALANCED CODE	7 F BALANCED CODE
LCB	SB6LCB	SB7LCB
LCB (90 cm)	SB6LCBD	–
RCB	SB6RCB	SB7RCB
RCB (90 cm)	SB6RCBD	SB7RCBD
IMA	SB6IMA	SB7IMA
IMA (90 cm)	SB6IMAD	SB7IMAD



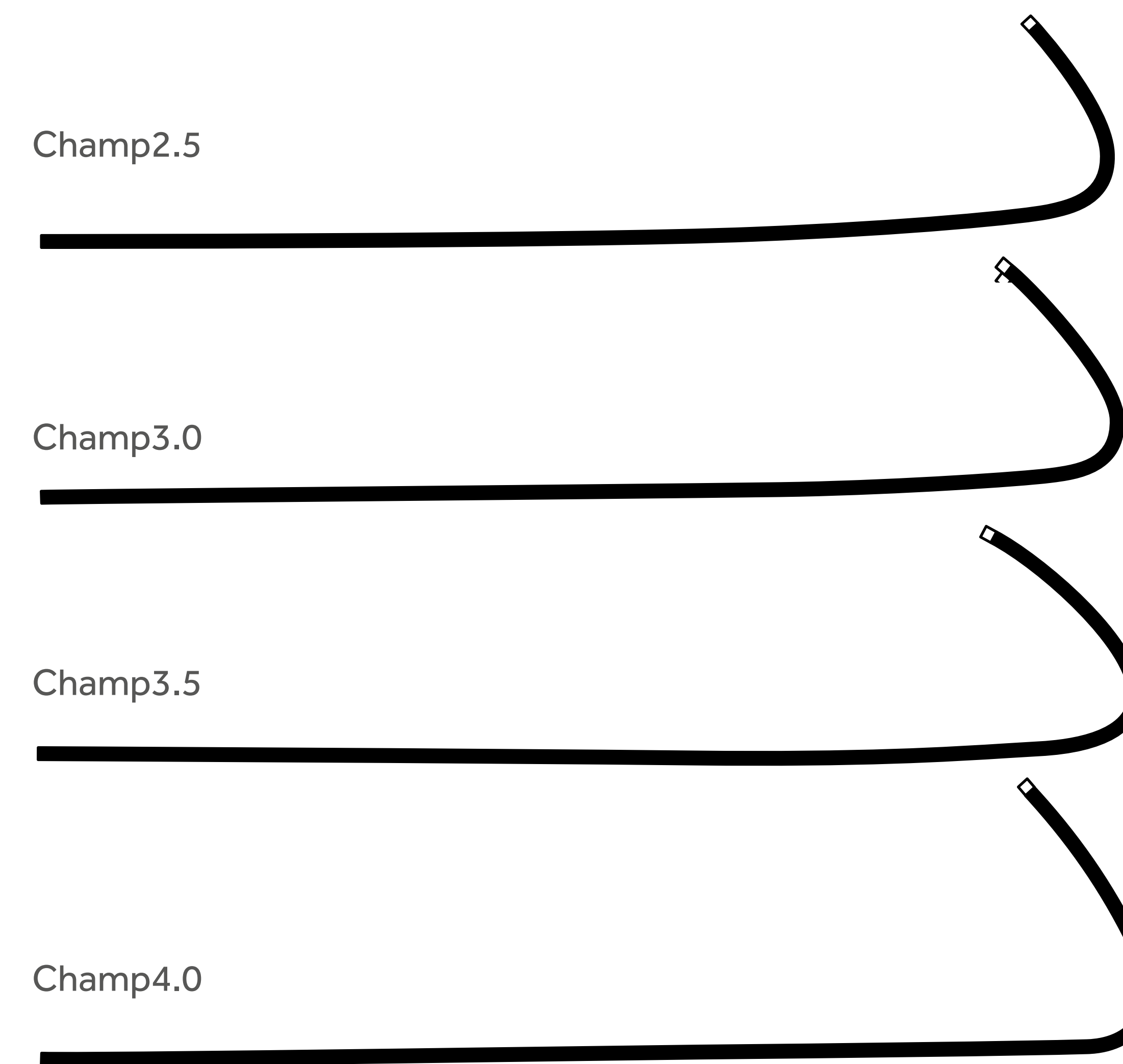
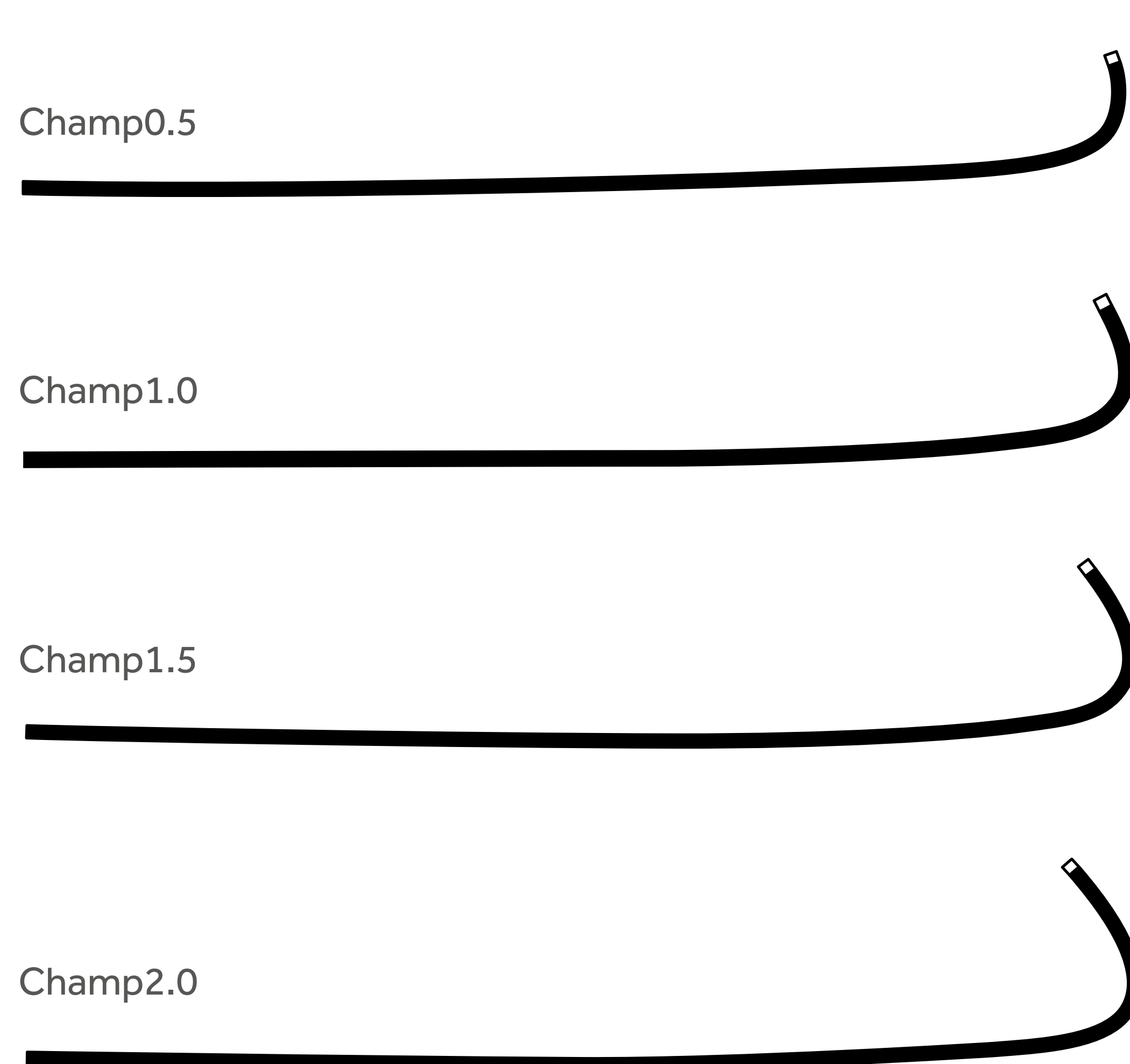
# CORONARY GUIDE CATHETERS



## Sherpa NX™ Balanced Other Curves

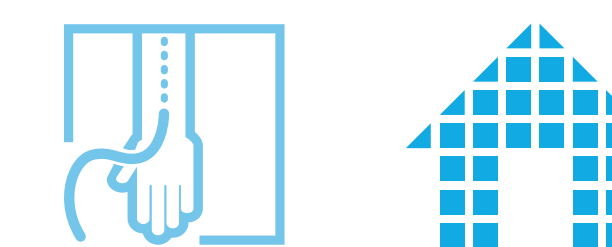
### CHAMP

	6 F BALANCED CODE	7 F BALANCED CODE
CHAMP 0.5	SB6CHAMP05	SB7CHAMP05
CHAMP 10	SB6CHAMP10	SB7CHAMP10
CHAMP 15	SB6CHAMP15	SB7CHAMP15
CHAMP 20	SB6CHAMP20	SB7CHAMP20
CHAMP 30	SB6CHAMP30	SB7CHAMP30
CHAMP 35	SB6CHAMP35	-
CHAMP 40	SB6CHAMP40	-





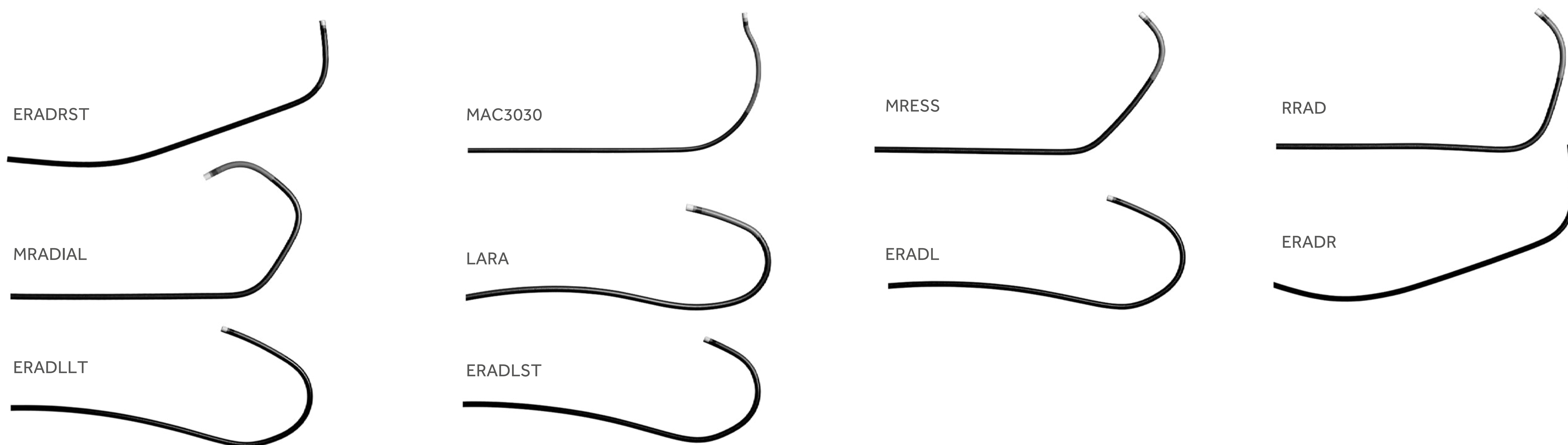
# CORONARY GUIDE CATHETERS



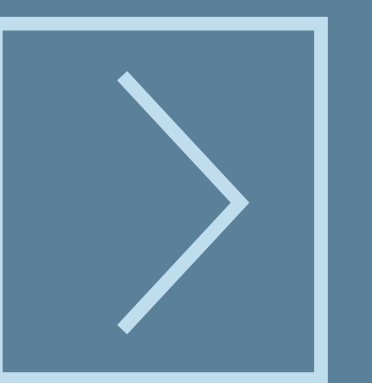
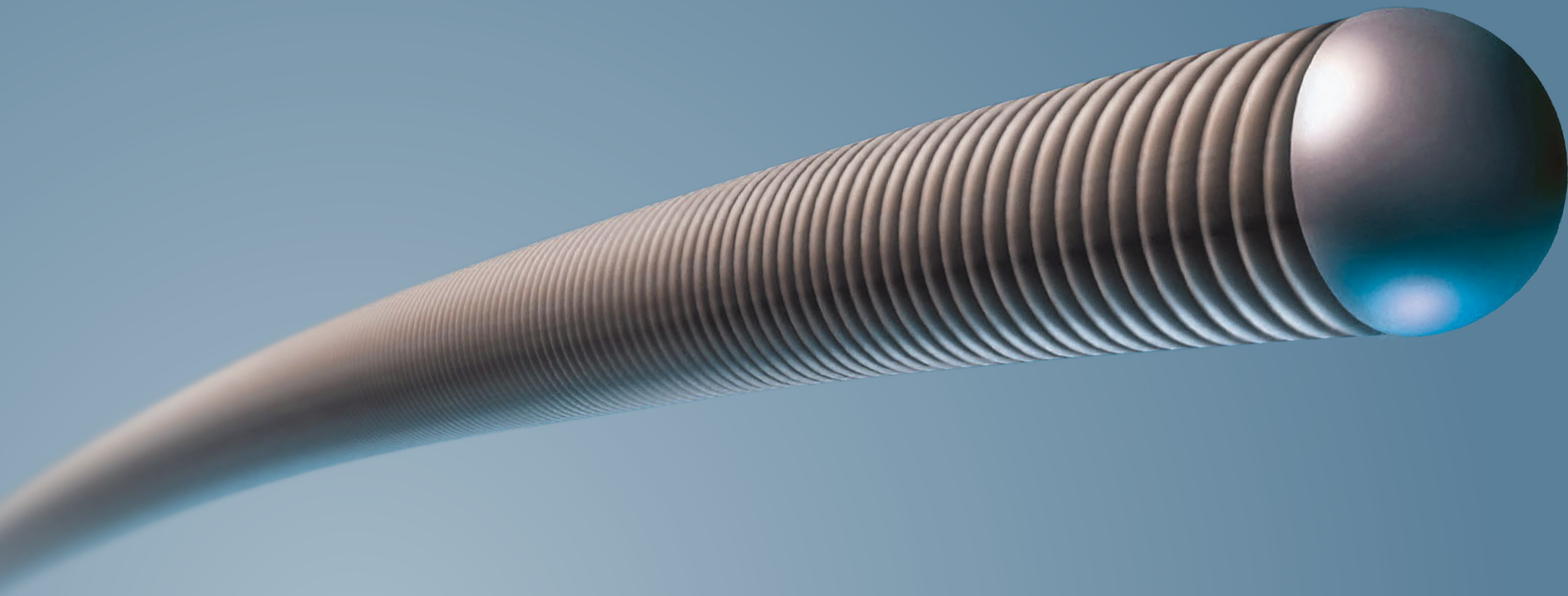
## Sherpa NX™ Balanced Radial Curves

### RADIAL CURVES

	6 F BALANCED CODE	7 F BALANCED CODE
MRADIAL	SB6MRADIAL	SB7MRADIAL
MRESS	SB6MRESS	-
RIGHT RADIAL	SB6RRAD	SB7RRAD
ERADL	SB6ERADL	-
ERADLLT	SB6ERADLLT	-
ERADLST	SB6ERADLST	-
ERADR	SB6ERADR	-
ERADRST	SB6ERADRST	-



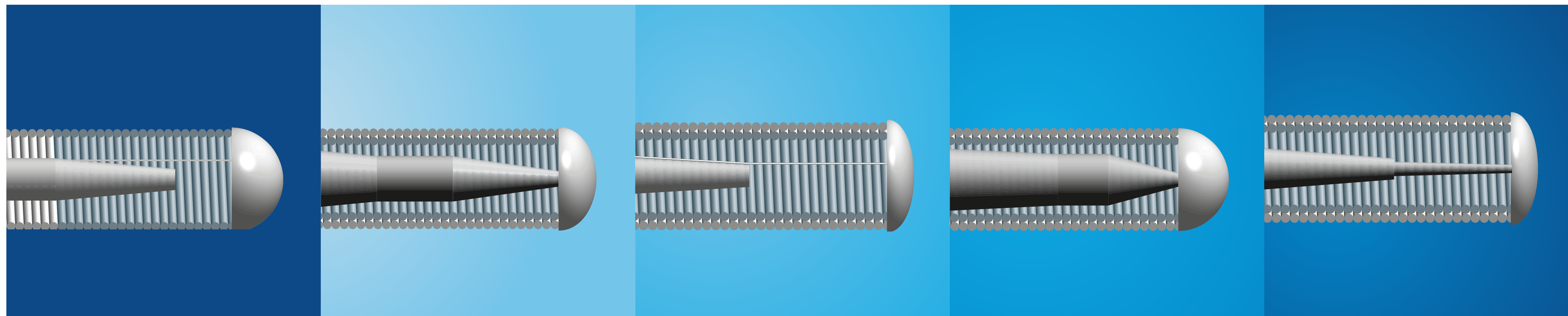
# INTERVENTIONAL GUIDEWIRES



# GUIDEWIRE FAMILY



Medtronic offers a wide array of guidewires to support different clinical needs



## ZINGER™

Stainless steel workhorse guidewire

- When you need steerability and torque control
- Stainless steel core wire provides torque transmission for advanced steerability and control,<sup>1</sup> available in a range of support levels for a variety of clinical situations: light, marker, medium, and support

## INTUITION™

Advanced workhorse guidewire

- Confidently cross your more challenging workhorse cases
- Torque performance and one-gram tip weight give you precision, and Accu-Core technology provides torque and crossability<sup>1</sup>

## COUGAR™

Nitinol workhorse guidewire

- When you need trackability for distal and tortuous access
- Nitinol core wire provides steerability and support, and double coil tip is atraumatic for shape retention

## PROVIA™

Crossing guidewire

- Designed to cross your most demanding lesions<sup>1</sup>
- Available in a wide range of weights and lengths — Accu-Core technology offers torque performance, tactile feel, and a 1 mm nonhydrophilic tip<sup>1</sup>

## THUNDER™

Extra-support guidewire

- When you need extra support
- Stainless steel, core-to-tip design provides torque, tip control, and steering for situations requiring extra support<sup>1</sup>

<sup>1</sup>Bench test data on file at Medtronic. May not be indicative of clinical performance.

# INTERVENTIONAL GUIDEWIRES



## Zinger™ Light Stainless Steel Workhorse Guidewire

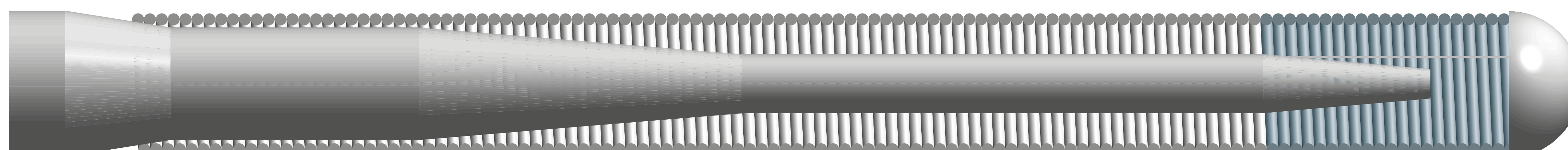


### GENERAL CHARACTERISTICS

- Supplied sterile
- Items per box: 5

### PRODUCT DESCRIPTION

- Available with Pro/Pel™ silicone coating or Hydro-Track™ hydrophilic coating
- Zinger™ is available in various support levels as well as a marker version
- 2 cm radiopaque tip for visibility
- Zinger™ Light is a light support guidewire with floppy tip



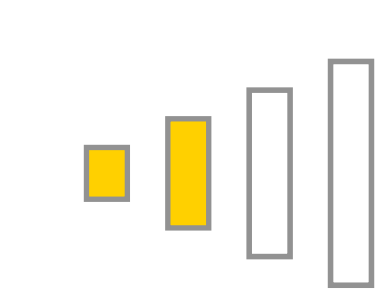
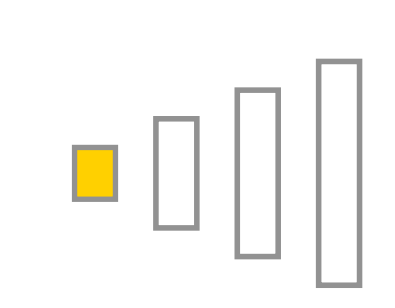
### ORDERING INFORMATION

PRODUCT	PRODUCT CODE	LENGTH (CM)	COATING	TIP
ZINGER LS	ZNGRLS180HS	180	Hydro-Track	Straight tip
ZINGER LS	ZNGRLS180S	180	Pro/Pel	Straight tip
ZINGER LS	ZNGRLS180HJ	180	Hydro-Track	J-tip
ZINGER LS	ZNGRLS180J	180	Pro/Pel	J-tip
ZINGER LS	ZNGRLS300HS	300	Hydro-Track	Straight tip
ZINGER LS	ZNGRLS300S	300	Pro/Pel	Straight tip
ZINGER LS	ZNGRLS300HJ	300	Hydro-Track	J-tip
ZINGER LS	ZNGRLS300J	300	Pro/Pel	J-tip

**Tip style:** Forming ribbon

**Outer coating:** Hydro-Track or Pro/Pel

**Tip Stiffness** **Support**



# INTERVENTIONAL GUIDEWIRES



## Zinger™ Marker Stainless Steel Workhorse Guidewire

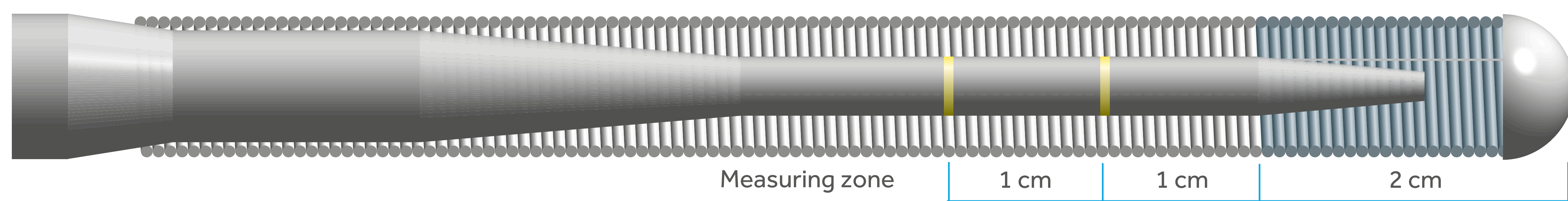


### GENERAL CHARACTERISTICS

- Supplied sterile
- Items per box: 5

### PRODUCT DESCRIPTION

- Available with a Hydro-Track hydrophilic coating or Pro/Pel coating
- Zinger™ is available in various support levels as well as a marker version
- Zinger™ Marker is a light support guidewire with two radiopaque markers for reference measure of vessels and lesions



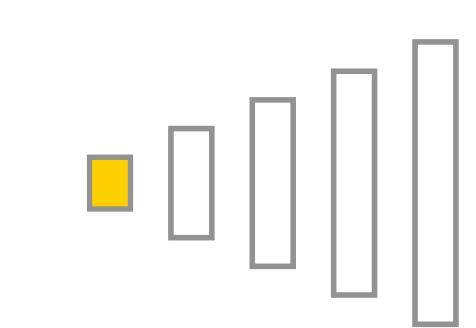
### ORDERING INFORMATION

PRODUCT	PRODUCT CODE	LENGTH (CM)	COATING	TIP
ZINGER MK	ZNGRMK180HS	180	Hydro-Track	Straight tip
ZINGER MK	ZNGRMK180S	180	Pro/Pel	Straight tip
ZINGER MK	ZNGRMK180HJ	180	Hydro-Track	J-tip
ZINGER MK	ZNGRMK180J	180	Pro/Pel	J-tip
ZINGER MK	ZNGRMK300HS	300	Hydro-Track	Straight tip
ZINGER MK	ZNGRMK300S	300	Pro/Pel	Straight tip
ZINGER MK	ZNGRMK300HJ	300	Hydro-Track	J-tip
ZINGER MK	ZNGRMK300J	300	Pro/Pel	J-tip

**Tip style:** Forming ribbon

**Outer coating:** Hydro-Track or Pro/Pel

**Tip Stiffness** **Support**



# INTERVENTIONAL GUIDEWIRES



## Zinger™ Medium Stainless Steel Workhorse Guidewire

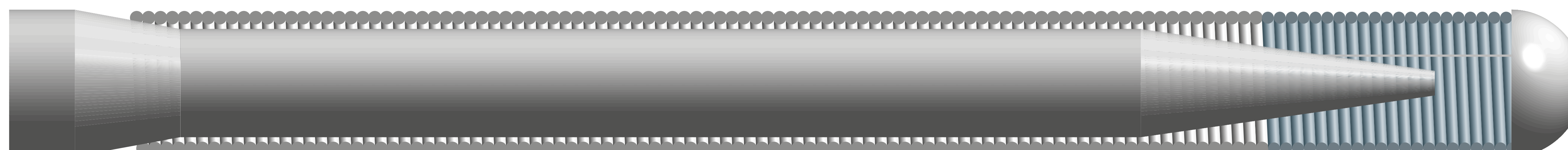


### GENERAL CHARACTERISTICS

- Supplied sterile
- Items per box: 5

### PRODUCT DESCRIPTION

- Available with a Hydro-Track hydrophilic coating or Pro/Pel coating
- Zinger™ is available in various support levels as well as a marker version
- Zinger™ Medium is a medium weight “workhorse” wire



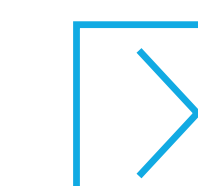
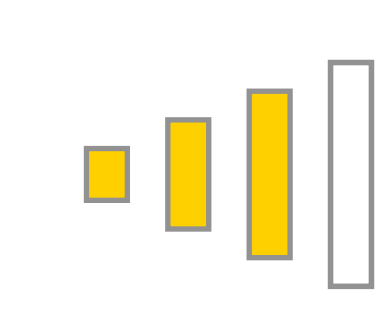
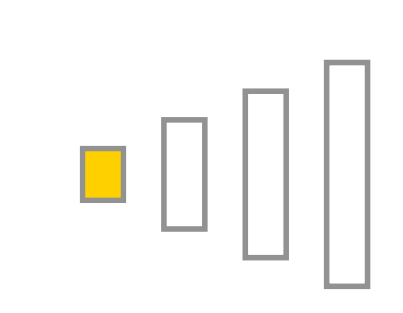
### ORDERING INFORMATION

PRODUCT	PRODUCT CODE	LENGTH (CM)	COATING	TIP
ZINGER MS	ZNGRMS180HS	180	Hydro-Track	Straight tip
ZINGER MS	ZNGRMS180S	180	Pro/Pel	Straight tip
ZINGER MS	ZNGRMS180HJ	180	Hydro-Track	J-tip
ZINGER MS	ZNGRMS180J	180	Pro/Pel	J-tip
ZINGER MS	ZNGRMS300HS	300	Hydro-Track	Straight tip
ZINGER MS	ZNGRMS300S	300	Pro/Pel	Straight tip
ZINGER MS	ZNGRMS300HJ	300	Hydro-Track	J-tip
ZINGER MS	ZNGRMS300J	300	Pro/Pel	J-tip

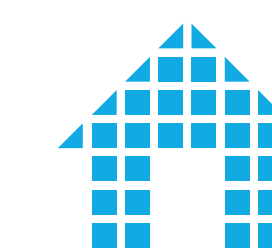
**Tip style:** Forming ribbon

**Outer coating:** Hydro-Track or Pro/Pel

**Tip Stiffness** Support



# INTERVENTIONAL GUIDEWIRES



## Zinger™ Support Stainless Steel Workhorse Guidewire

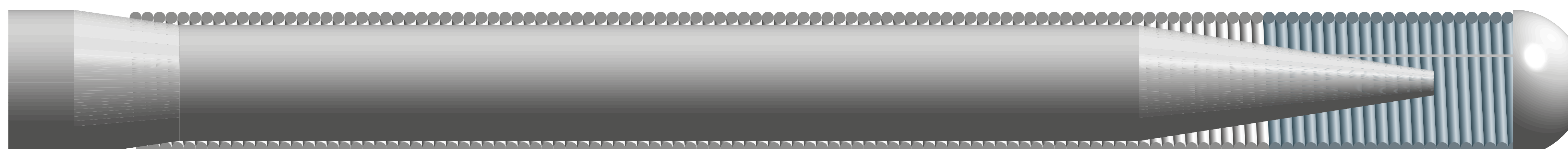


### GENERAL CHARACTERISTICS

- Supplied sterile
- Items per box: 5

### PRODUCT DESCRIPTION

- Available with a Hydro-Track hydrophilic coating or Pro/Pel coating
- Zinger™ is available in various support levels as well as a marker version



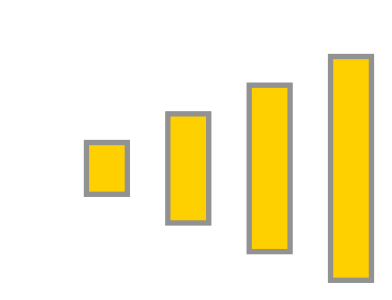
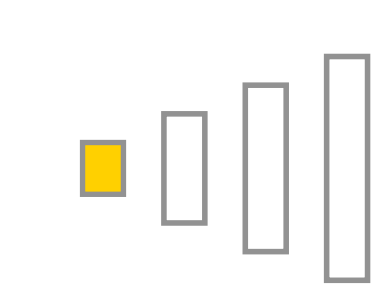
### ORDERING INFORMATION

PRODUCT	PRODUCT CODE	LENGTH (CM)	COATING	TIP
ZINGER S	ZNGRS180HS	180	Hydro-Track	Straight tip
ZINGER S	ZNGRS180S	180	Pro/Pel	Straight tip
ZINGER S	ZNGRS180HJ	180	Hydro-Track	J-tip
ZINGER S	ZNGRS180J	180	Pro/Pel	J-tip
ZINGER S	ZNGRS300HS	300	Hydro-Track	Straight tip
ZINGER S	ZNGRS300S	300	Pro/Pel	Straight tip
ZINGER S	ZNGRS300HJ	300	Hydro-Track	J-tip
ZINGER S	ZNGRS300J	300	Pro/Pel	J-tip

**Tip style:** Forming ribbon

**Outer coating:** Hydro-Track or Pro/Pel

**Tip Stiffness**      **Support**



# INTERVENTIONAL GUIDEWIRES



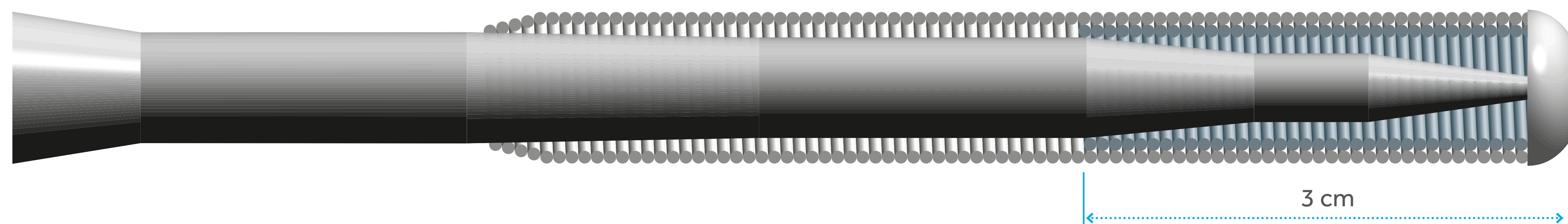
## Intuition™ Advanced Workhorse Guidewire

### GENERAL CHARACTERISTICS

- Supplied sterile
- Items per box: 5

### PRODUCT DESCRIPTION

- Rounded tip and body
- Femoral (proximal) markers on wire, 90 cm and 100 cm from distal tip
- Available with Pro/Pel™ silicone coating or Hydro-Track™ hydrophilic coating
- 3 cm radiopaque tip for visibility



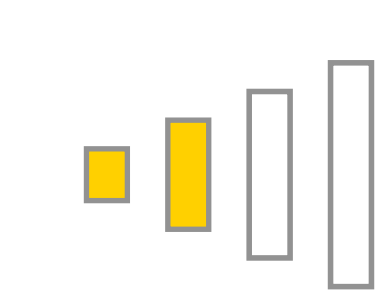
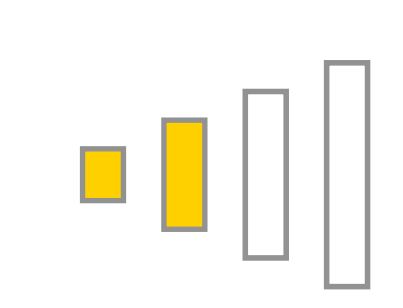
### ORDERING INFORMATION

PRODUCT	PRODUCT CODE	LENGTH (CM)	COATING	TIP
Intuition	INTU180HS	180	Hydro-Track	Straight tip
Intuition	INTU180SS	180	Pro/Pel	Straight tip
Intuition	INTU300HS	300	Hydro-Track	Straight tip
Intuition	INTU300SS	300	Pro/Pel	Straight tip

**Tip style:** Core-to-tip

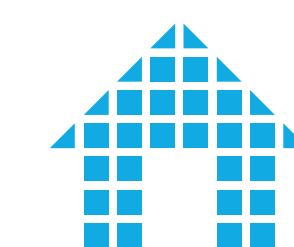
**Outer coating:** Hydro-Track or Pro/Pel

**Tip Stiffness** Support





# INTERVENTIONAL GUIDEWIRES



## Cougar™ LS Nitinol Workhorse Guidewire

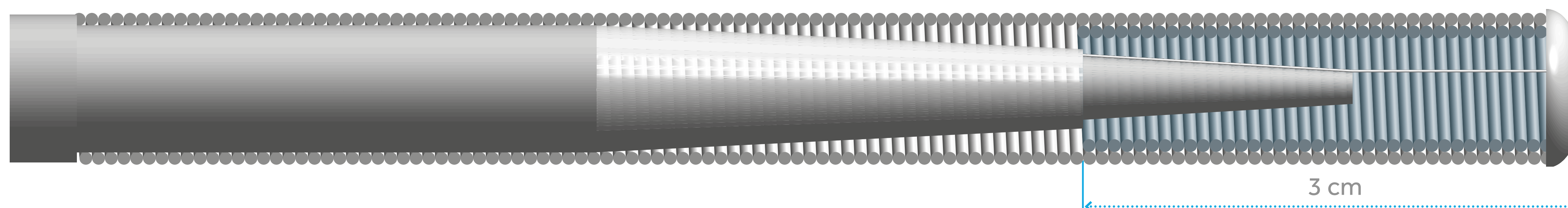


### GENERAL CHARACTERISTICS

- Supplied sterile
- Items per box: 5

### PRODUCT DESCRIPTION

- Nitinol core wire
- Available in Hydro-Track™ hydrophilic or Pro/Pel™ silicone coating
- 3 cm radiopaque tip for visibility



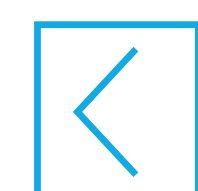
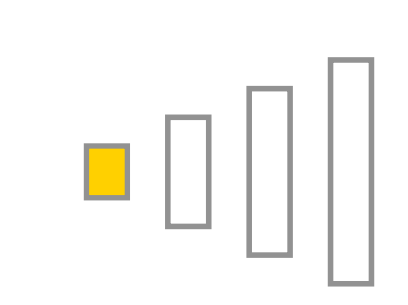
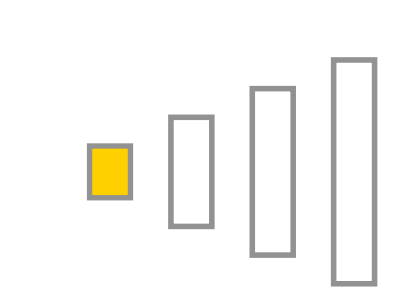
### ORDERING INFORMATION

PRODUCT	PRODUCT CODE	LENGTH (CM)	COATING	TIP
Cougar LS	CGRLS190HS	190 cm	Hydro-Track	Straight tip
Cougar LS	CGRLS190S	190 cm	Pro/Pel	Straight tip
Cougar LS	CGRLS190HJ	190 cm	Hydro-Track	J-tip
Cougar LS	CGRLS190J	190 cm	Pro/Pel	J-tip
Cougar LS	CGRLS300HS	300 cm	Hydro-Track	Straight tip
Cougar LS	CGRLS300S	300 cm	Pro/Pel	Straight tip
Cougar LS	CGRLS300HJ	300 cm	Hydro-Track	J-tip
Cougar LS	CGRLS300J	300 cm	Pro/Pel	J-tip

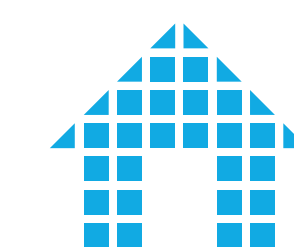
**Tip style:** Forming ribbon

**Outer coating:** Hydro-Track or Pro/Pel

**Tip Stiffness**      **Support**



# INTERVENTIONAL GUIDEWIRES



## Cougar™ XT Nitinol Workhorse Guidewire

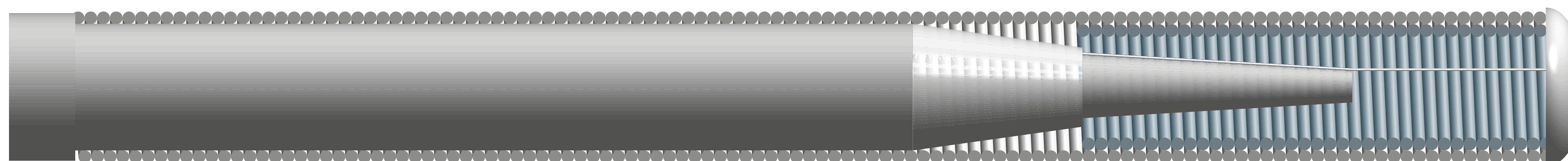


### GENERAL CHARACTERISTICS

- Supplied sterile
- Items per box: 5

### PRODUCT DESCRIPTION

- Nitinol core wire
- Available in Hydro-Track™ hydrophilic or Pro/Pel™ silicone coating
- 3 cm radiopaque tip for visibility



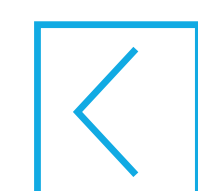
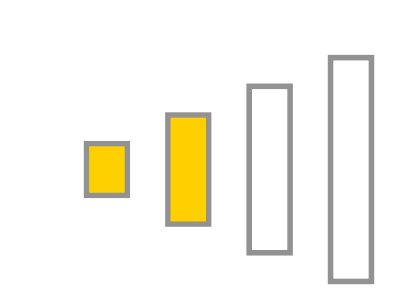
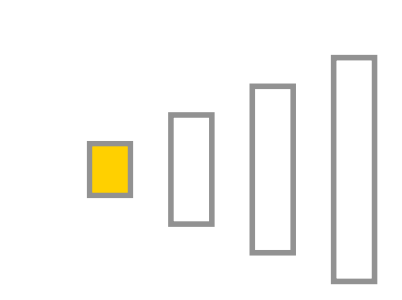
### ORDERING INFORMATION

PRODUCT	PRODUCT CODE	LENGTH (CM)	COATING	TIP
Cougar XT	CGRXT190HS	190 cm	Hydro-Track	Straight tip
Cougar XT	CGRXT190S	190 cm	Pro/Pel	Straight tip
Cougar XT	CGRXT190HJ	190 cm	Hydro-Track	J-tip
Cougar XT	CGRXT190J	190 cm	Pro/Pel	J-tip
Cougar XT	CGRXT300HS	300 cm	Hydro-Track	Straight tip
Cougar XT	CGRXT300S	300 cm	Pro/Pel	Straight tip
Cougar XT	CGRXT300HJ	300 cm	Hydro-Track	J-tip
Cougar XT	CGRXT300J	300 cm	Pro/Pel	J-tip

**Tip style:** Forming ribbon

**Outer coating:** Hydro-Track or Pro/Pel

**Tip Stiffness**      **Support**



# INTERVENTIONAL GUIDEWIRES



## ProVia™ Crossing Guidewire

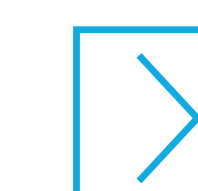


### GENERAL CHARACTERISTICS

- Supplied sterile
- Items per box: 5

### PRODUCT DESCRIPTION

- Rounded tip and body
- Tapered tip on ProVia™ 9, 12, and 15 wires
- 1 mm noncoated tip on the hydrophilic version
- Femoral (proximal) markers on wire, 90 cm and 100 cm from distal tip
- Available in Hydro-Track™ hydrophilic or Pro/Pel™ silicone coating
- 3 cm radiopaque tip for visibility



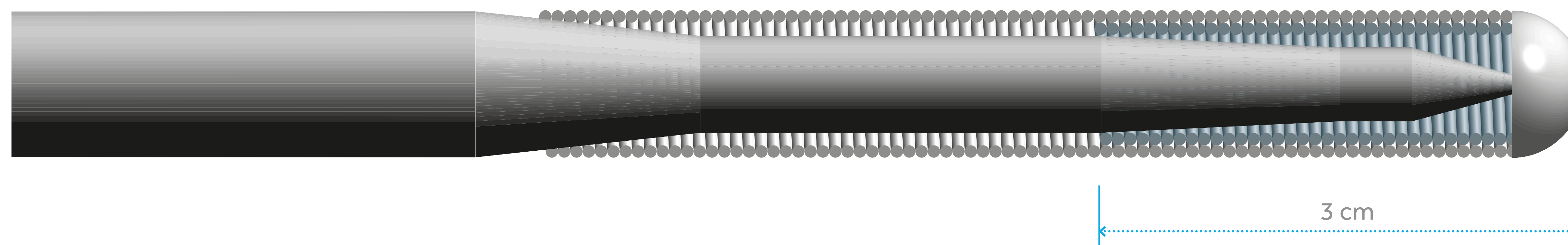
# INTERVENTIONAL GUIDEWIRES



ProVia™ Crossing Guidewire



**ProVia™ 3**  
Straight tip (0.014 in.)



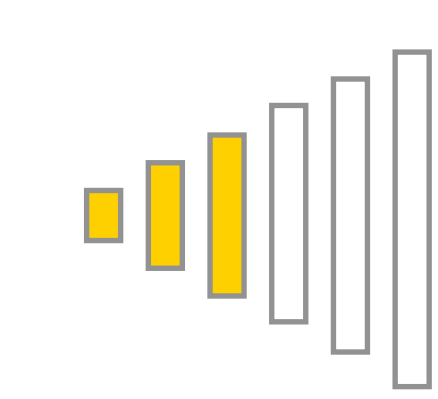
## ORDERING INFORMATION

PRODUCT	PRODUCT CODE	SIZE (G)	LENGTH (CM)	COATING	TIP
ProVia 3	3PROV180HS	3	180	Hydro-Track	Straight tip
ProVia 3	3PROV180SS	3	180	Pro/Pel	Straight tip
ProVia 3	3PROV300HS	3	300	Hydro-Track	Straight tip
ProVia 3	3PROV300SS	3	300	Pro/Pel	Straight tip

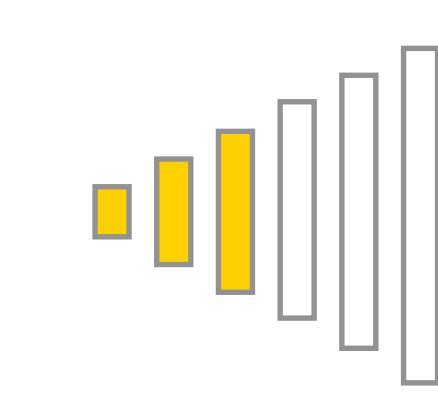
**Tip style:** Core-to-tip

**Outer coating:** Hydro-Track or Pro/Pel

**Tip Stiffness**



**Support**



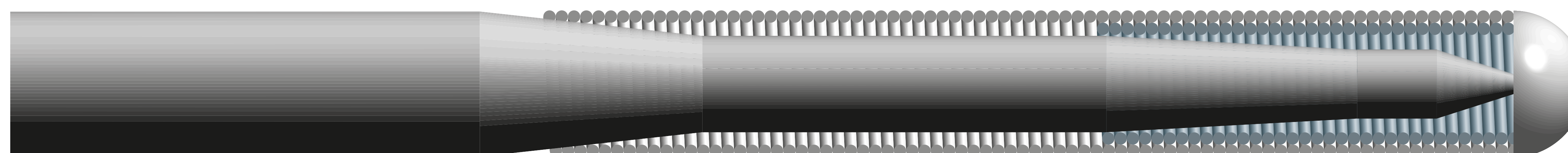
# INTERVENTIONAL GUIDEWIRES



ProVia™ Crossing Guidewire



**ProVia™ 6**  
Straight tip (0.014 in.)



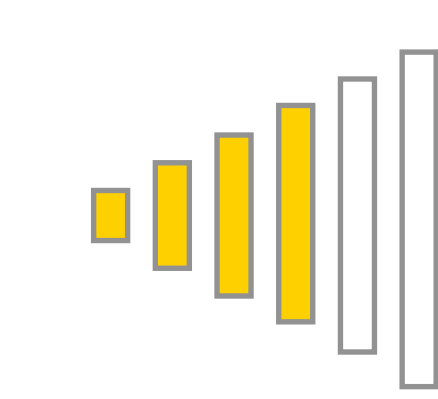
## ORDERING INFORMATION

PRODUCT	PRODUCT CODE	SIZE (G)	LENGTH (CM)	COATING	TIP
ProVia 6	6PROV180HS	6	180	Hydro-Track	Straight tip
ProVia 6	6PROV180SS	6	180	Pro/Pel	Straight tip
ProVia 6	6PROV300HS	6	300	Hydro-Track	Straight tip
ProVia 6	6PROV300SS	6	300	Pro/Pel	Straight tip

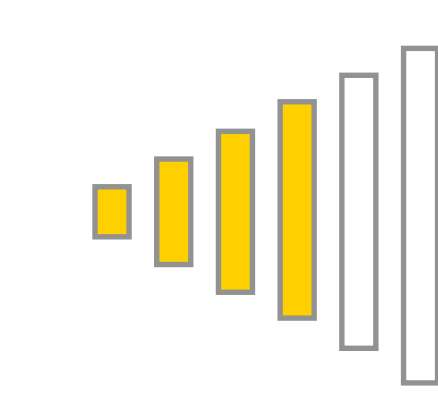
**Tip style:** Core-to-tip

**Outer coating:** Hydro-Track or Pro/Pel

**Tip Stiffness**



**Support**



# INTERVENTIONAL GUIDEWIRES

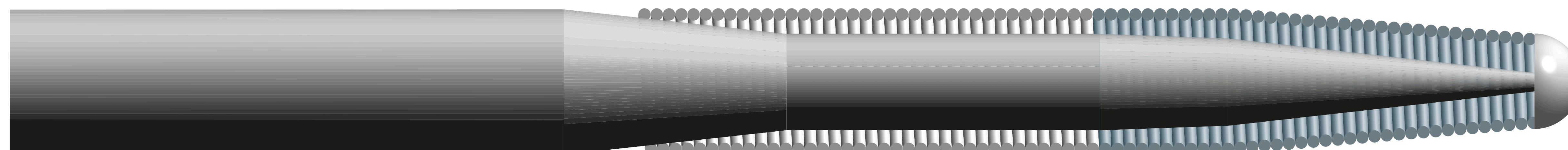


ProVia™ Crossing Guidewire



## ProVia™ 9

Tapered tip (0.009 in.)



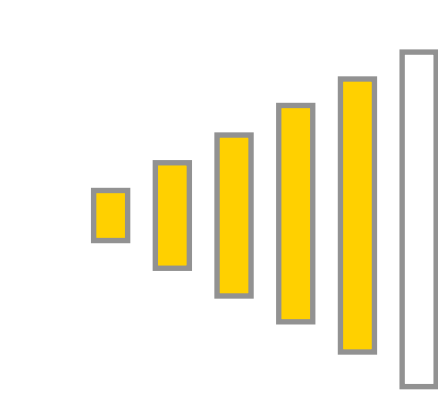
### ORDERING INFORMATION

PRODUCT	PRODUCT CODE	SIZE (G)	LENGTH (CM)	COATING	TIP
ProVia 9	9PROV180HS	9	180	Hydro-Track	Tapered tip
ProVia 9	9PROV180SS	9	180	Pro/Pel	Tapered tip
ProVia 9	9PROV300HS	9	300	Hydro-Track	Tapered tip
ProVia 9	9PROV300SS	9	300	Pro/Pel	Tapered tip

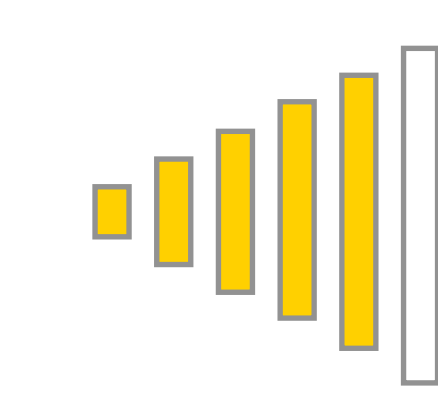
**Tip style:** Core-to-tip

**Outer coating:** Hydro-Track or Pro/Pel

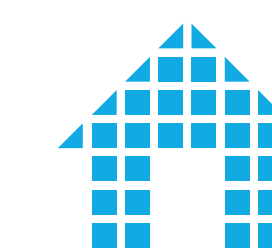
**Tip Stiffness**



**Support**



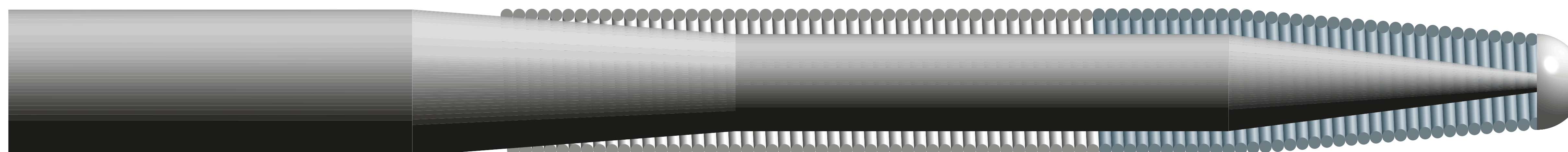
# INTERVENTIONAL GUIDEWIRES



ProVia™ Crossing Guidewire



**ProVia™ 12**  
Tapered tip (0.009 in.)



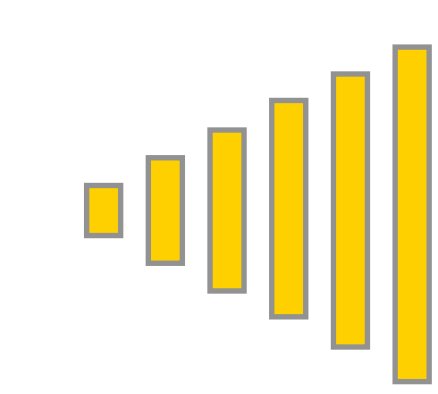
## ORDERING INFORMATION

PRODUCT	PRODUCT CODE	SIZE (G)	LENGTH (CM)	COATING	TIP
ProVia 12	12PROV180HS	12	180	Hydro-Track	Tapered tip
ProVia 12	12PROV180SS	12	180	Pro/Pel	Tapered tip
ProVia 12	12PROV300HS	12	300	Hydro-Track	Tapered tip
ProVia 12	12PROV300SS	12	300	Pro/Pel	Tapered tip

**Tip style:** Core-to-tip

**Outer coating:** Hydro-Track or Pro/Pel

**Tip Stiffness**



**Support**



# INTERVENTIONAL GUIDEWIRES



## Thunder™ Extra-support Guidewire

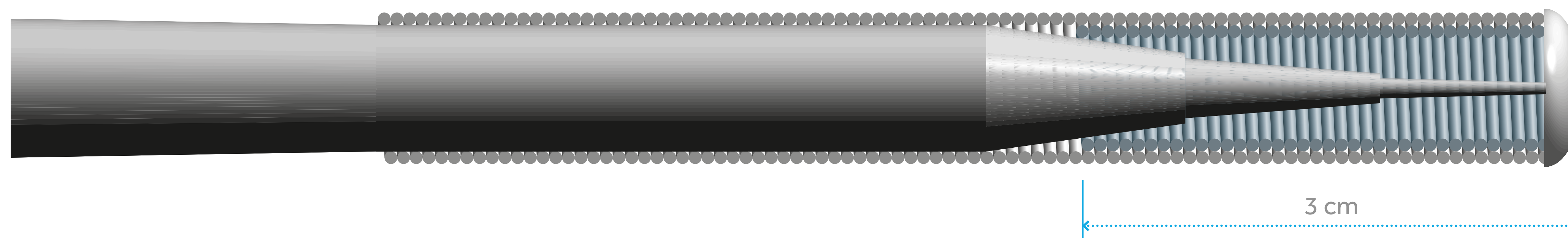
### GENERAL CHARACTERISTICS

- Supplied sterile
- Items per box: 5
- Label color: Silver

### PRODUCT DESCRIPTION

The Thunder™ Guidewire has a stainless steel core-to-tip design which provides enhanced support and stability while maintaining excellent torque characteristics with precise tip control and steering.<sup>1</sup>

- 11 cm transition zone
- Available in Pro/Pel silicone coating
- 3 cm radiopaque tip for visibility



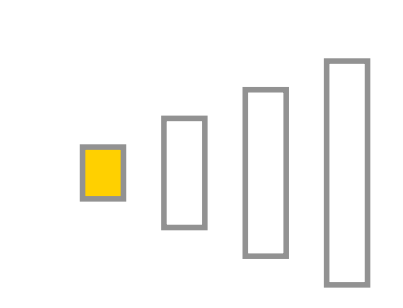
### ORDERING INFORMATION

PRODUCT	PRODUCT CODE	LENGTH (CM)	COATING	TIP
THUNDER	THNDR190S	190	Pro/Pel	Straight tip
THUNDER	THNDR190J	190	Pro/Pel	J-tip
THUNDER	THNDR300S	300	Pro/Pel	Straight tip
THUNDER	THNDR300J	300	Pro/Pel	J-tip

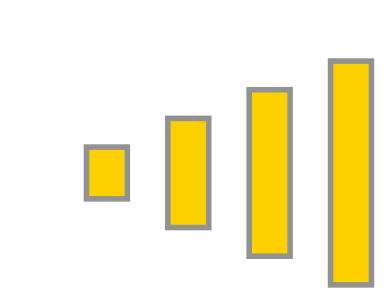
Tip style: Core-to-tip

Outer coating: Pro/Pel

Tip Stiffness



Support



<sup>1</sup>Bench test data on file at Medtronic. May not be indicative of clinical performance.



# ASPIRATION CATHETERS



# ASPIRATION CATHETERS



## Export Advance™ Aspiration Catheter



### GENERAL CHARACTERISTICS

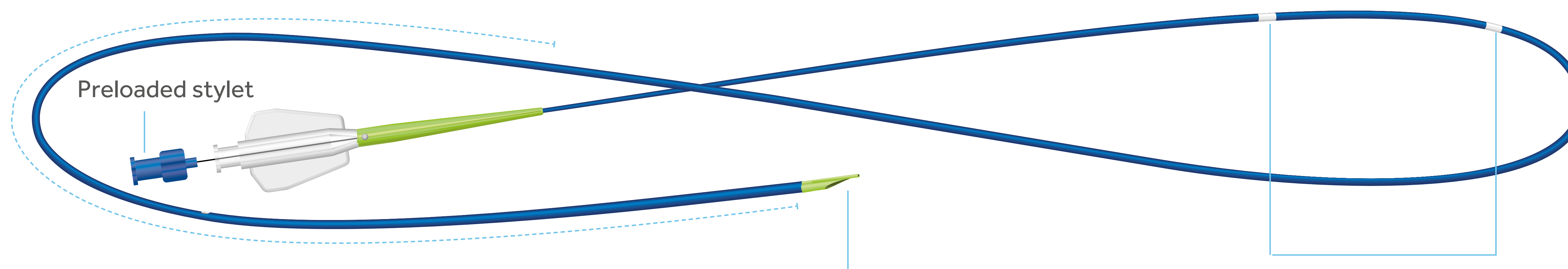
- Supplied sterile
- Items per box: 1
- Includes two syringes, one filter cup, and extension line with stopcock

### PRODUCT DESCRIPTION

The Export Advance™ aspiration catheter features a preloaded stylet and manual locking syringe to remove embolic material throughout the arterial system.

### FEATURES

- Full-wall technology shaft construction
- Preloaded stylet
- Buddy wire compatibility
- Large extraction lumen (0.044" proximal; 0.043" distal)
- Soft, short, forward-facing tip



Lubricious hydrophilic 38 cm coating reduces friction and ensures smoother advancement through difficult vessels<sup>1</sup>

Radiopaque tip marker provides exceptional distal visualization for precise device placement<sup>1</sup>

Proximal markers located at 90 cm and 100 cm indicate the point at which aspiration catheter exits guide catheter, minimizing x-ray exposure<sup>1</sup>

<sup>1</sup>Bench test data on file at Medtronic. May not be indicative of clinical performance.

# ASPIRATION CATHETERS



## Export Advance™ Aspiration Catheter



### PRODUCT CODE

PRODUCT CODE	GUIDE COMPATIBILITY (IN.)	WIRE COMPATIBILITY (IN.)	LENGTH (CM)
ADVANCE	6 F minimum guide ID 0.070	0.014	140 cm

### TECHNICAL INFORMATION

<b>Lumen I.D. (in.)</b>	0.043 (distal), 0.044 (proximal)
<b>Lumen O.D. (in.)</b>	0.067
<b>Coating</b>	Hydrophilic (38 cm)
<b>Braiding</b>	Variable, hub to tip

# ASPIRATION CATHETERS



## Export™ AP Aspiration Catheter



### GENERAL CHARACTERISTICS

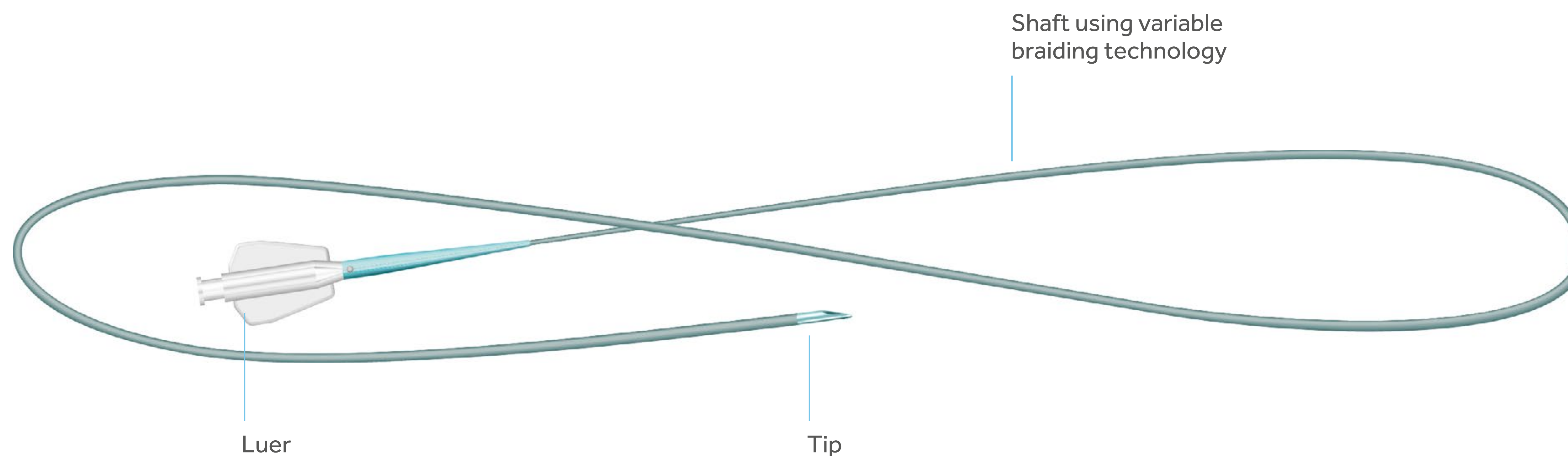
- Supplied sterile
- Items per box: 1
- Includes two syringes, one filter cup, and extension line with stopcock

### PRODUCT DESCRIPTION

The Export™ AP aspiration catheter uses a manual locking syringe to remove embolic material throughout the arterial system.

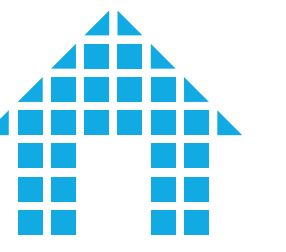
### FEATURES

- Full-wall technology shaft construction improves deliverability by increasing kink resistance<sup>1</sup>
- Extended hydrophilic coating (40 cm)
- Forward-facing atraumatic tip



<sup>1</sup>Bench test data on file at Medtronic. May not be indicative of clinical performance.

# ASPIRATION CATHETERS



## Export™ AP Aspiration Catheter

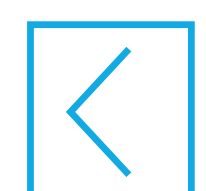


### PRODUCT CODE

PRODUCT CODE	GUIDE COMPATIBILITY (IN.)	WIRE COMPATIBILITY (IN.)	LENGTH (CM)
EXPORTAP	6 F minimum guide ID 0.070	0.014	140 cm

### TECHNICAL INFORMATION

<b>Lumen I.D. (in.)</b>	0.043
<b>Lumen O.D. (in.)</b>	0.068
<b>Coating</b>	Hydrophilic (40 cm)
<b>Braiding</b>	Variable, hub to tip



# ASPIRATION CATHETERS



## Export™ 7 F Aspiration Catheter

### GENERAL CHARACTERISTICS

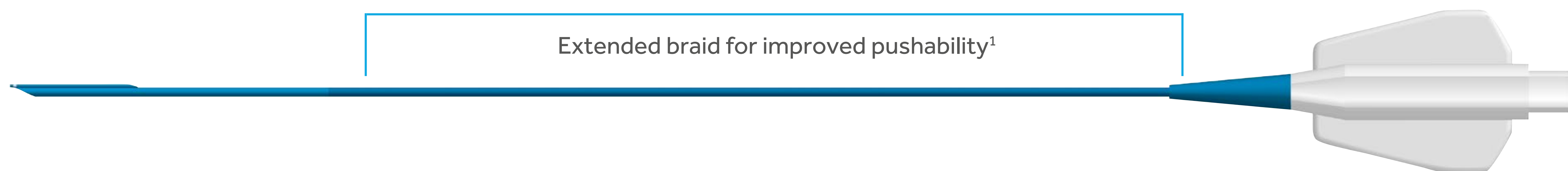
- Supplied sterile
- Includes two syringes and two filters

### PRODUCT DESCRIPTION

The Export™ aspiration catheter uses a manual locking syringe to remove embolic material throughout the arterial system.

### FEATURES

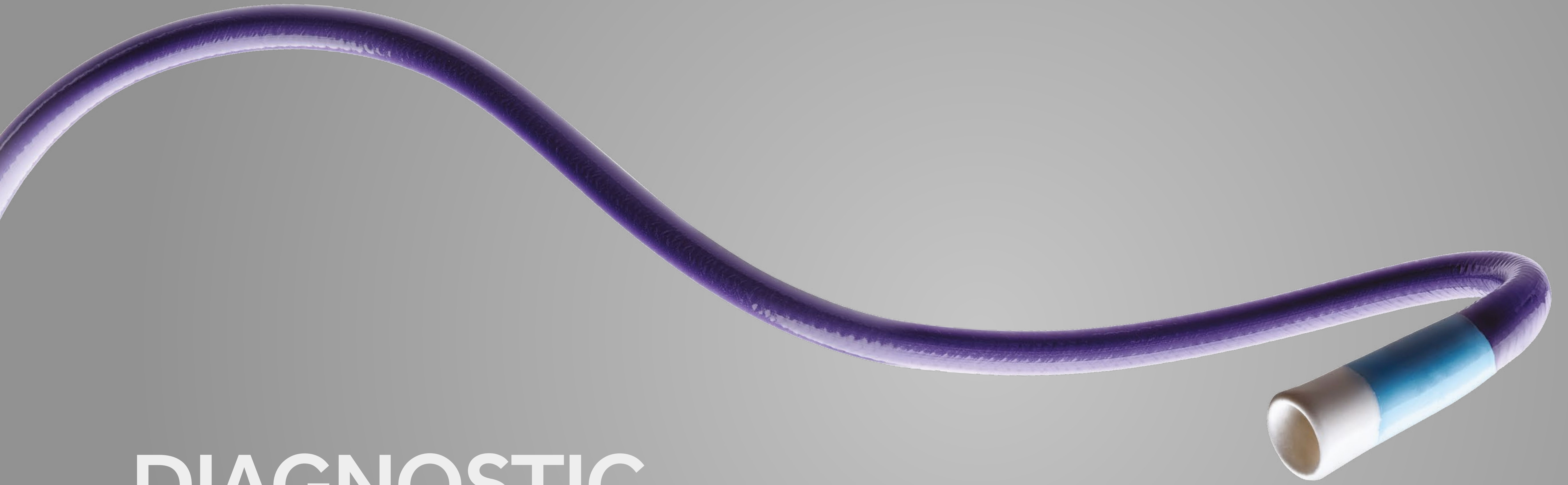
- Distal lumen (in.) 0.050
- Lumen O.D. (in) 0.078



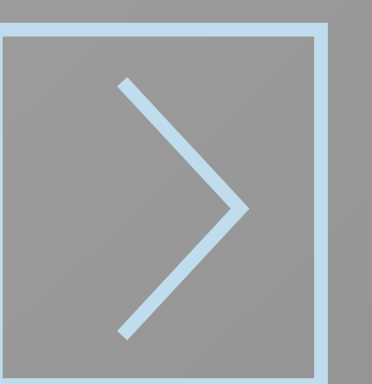
### PRODUCT CODE

PRODUCT CODE	GUIDE COMPATIBILITY (IN.)	WIRE COMPATIBILITY (IN.)	LENGTH (CM)
GEZ6200US7B	7 F min. guide ID 0.080"	0.014	145 cm

<sup>1</sup>Bench test data on file at Medtronic. May not be indicative of clinical performance.



# DIAGNOSTIC CATHETERS



# CORONARY DIAGNOSTIC CATHETERS



## DxTerity™ and DxTerity™ TRA Diagnostic Catheters



### GENERAL CHARACTERISTICS

Features full-wall technology: a proprietary extrusion process that melts layers together to form a solid shaft. This construction process is applied from hub to tip, providing the DxTerity diagnostic catheter with optimized<sup>1</sup> torque and lubricity for precise manipulation and enhanced deliverability.<sup>1</sup>

### PRODUCT DESCRIPTION

#### Enhanced deliverability:

- InSlide™ polymer additive for superior lubricity to reduce friction and enhance deliverability<sup>2</sup>

#### Precise manipulation:

- Unique, ergonomic, winged hub design for easy manipulation<sup>1</sup>
- Double-braid wire applied from hub to tip enhances strength, torque, and kink resistance<sup>1</sup>

#### Excellent image quality:

- Soft, atraumatic radiopaque tip allows for increased visibility<sup>1</sup>
- Large lumen enables high flow of contrast media to increase visualization<sup>3</sup>

#### Broad catheter portfolio:

- Wide range of shapes and sizes, including radial and femoral options
- Includes expanded offerings of long (125 cm) lengths

<sup>1</sup> Bench test data on file. May not be indicative of clinical performance.

<sup>2</sup> Based on bench testing conducted in 2016 vs. Cordis Infiniti® and Supertorque® Plus catheters, Terumo Optitorque® catheter, Boston Scientific Impulse™ and Expo™ catheters, Merit Performa® catheter, and Goodman Goodtec catheter. All tested in 5 F and 6 F. The lubricity bench test measures how much force is required to pull the catheter through two silicone pads while submerged in water at body temperature.

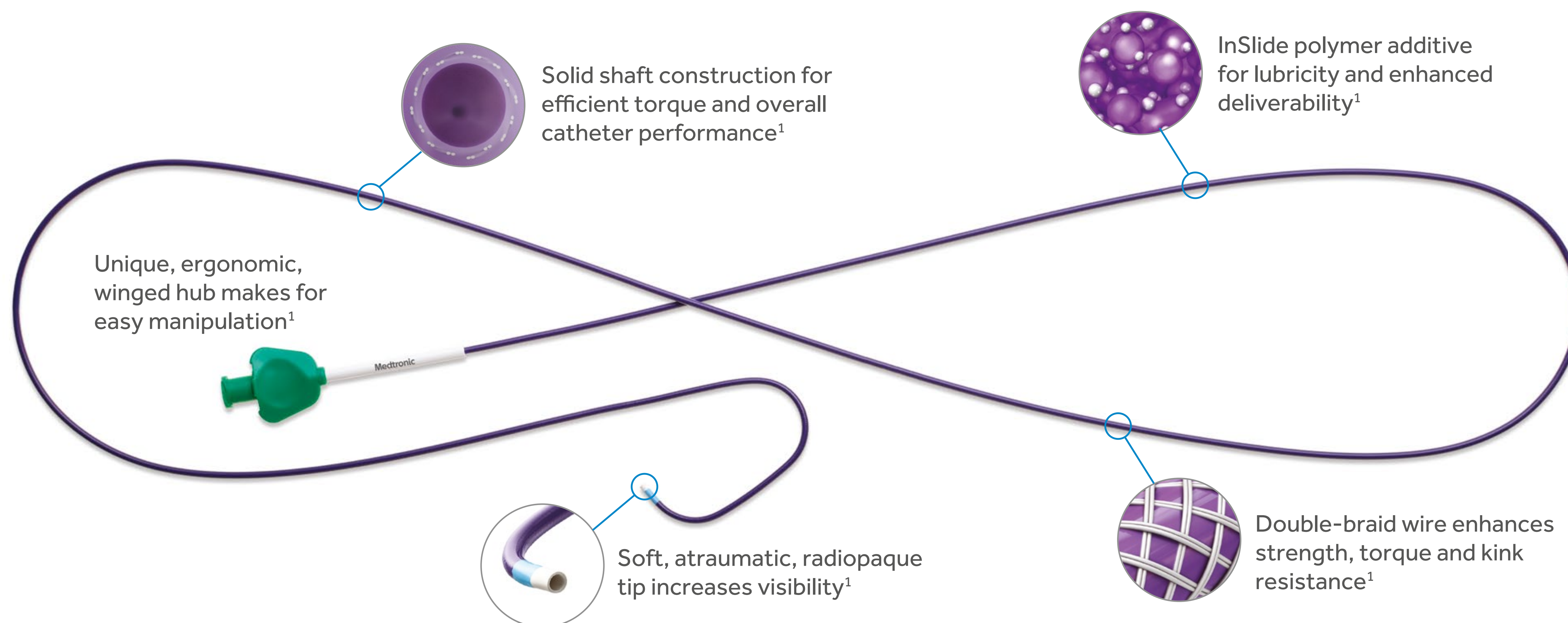
<sup>3</sup> Based on bench test data conducted in 2016 vs. Cordis Infiniti® and Supertorque® Plus catheters, Terumo Optitorque® catheter, Boston Scientific Impulse™ and Expo™ catheters, Merit Performa® catheter, and Goodman Goodtec catheter. All tested in 5 F and 6 F.



# CORONARY DIAGNOSTIC CATHETERS



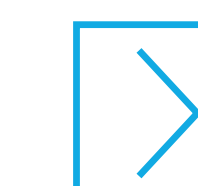
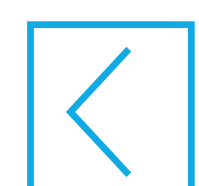
## DxTerity™ and DxTerity™ TRA Diagnostic Catheters



### TECHNICAL SPECIFICATIONS

	5 F		6 F	
Catheter O.D. (in)	0.066		0.079	
Lumen I.D. (in)	0.047		0.056	
Braiding	Hub to tip		Hub to tip	
Dye flow rate at:	600 psi	1200 psi	600 psi	1200 psi
(mL/sec)	19	27	28	41

<sup>1</sup>Bench test data on file. May not be indicative of clinical performance.



# CORONARY DIAGNOSTIC CATHETERS



## DxTerity™ Standard Curves



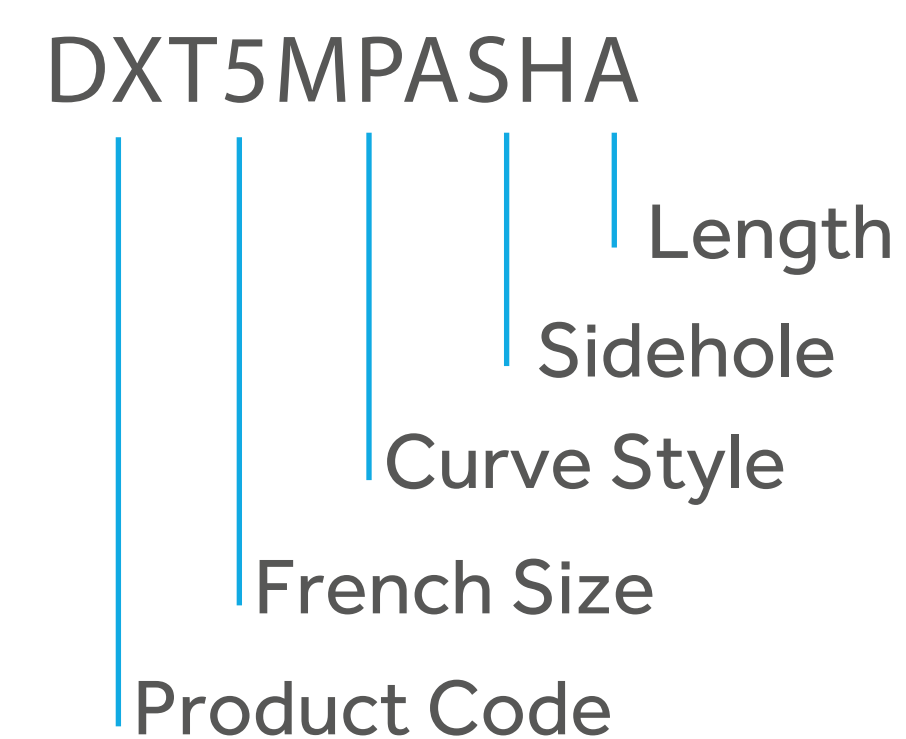
### GENERAL CHARACTERISTICS

- 5 catheters per box
- Supplied sterile
- Color-coded hub and packaging
- Maximum guidewire: 5 F = 0.038"; 6 F = 0.038"

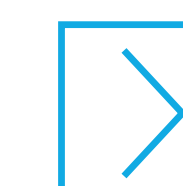
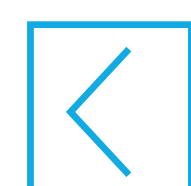
### PRODUCT DESCRIPTION

Features full-wall technology: a proprietary extrusion process that melts layers together to form a solid shaft. This construction process is applied from hub to tip, providing the DxTerity diagnostic catheter with superior torque and lubricity for precise manipulation and enhanced deliverability.<sup>1</sup>

### PRODUCT CODE



<sup>1</sup>Bench test data on file. May not be indicative of clinical performance.



# CORONARY DIAGNOSTIC CATHETERS

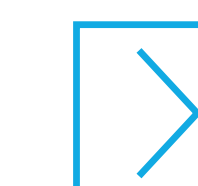
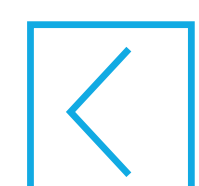


DxTerity™ Left Standard Curves



## JUDKINS LEFT

CURVE SIZE	LENGTH (CM)	5 F PRODUCT CODE	6 F PRODUCT CODE	SIDEHOLES
JL3.5	100	DXT5JL35	DXT6JL35	0
JL4.0	100	DXT5JL40	DXT6JL40	0
JL4.0	125	DXT5JL40X	DXT6JL40X	0
JL4.5	100	DXT5JL45	DXT6JL45	0
JL4.5	125	DXT5JL45X	DXT6JL45X	0
JL5.0	100	DXT5JL50	DXT6JL50	0
JL5.0	125	DXT5JL50X	DXT6JL50X	0
JL6.0	100	DXT5JL60	DXT6JL60	0



# CORONARY DIAGNOSTIC CATHETERS

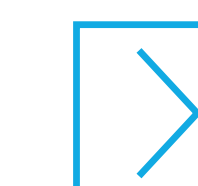
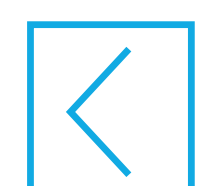


DxTerity™ Left Standard Curves



## AMPLATZ LEFT

CURVE SIZE	LENGTH (CM)	5 F PRODUCT CODE	6 F PRODUCT CODE	SIDEHOLES
AL1.0	100	DXT5AL10	DXT6AL10	0
AL2.0	100	DXT5AL20	DXT6AL20	0
AL3.0	100	DXT5AL30	DXT6AL30	0



# CORONARY DIAGNOSTIC CATHETERS

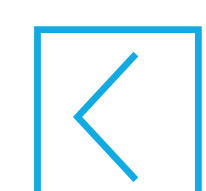


DxTerity™ Right Standard Curves



## JUDKINS RIGHT

CURVE SIZE	LENGTH (CM)	5 F PRODUCT CODE	6 F PRODUCT CODE	SIDEHOLES
JR3.5	100	DXT5JR35	DXT6JR35	0
JR3.5	125	DXT5JR35X	DXT6JR35X	0
JR4.0	100	DXT5JR40	DXT6JR40	0
JR4.0	125	DXT5JR40X	DXT6JR40X	0
JR4.0 MOD	100	DXT5JR4M	DXT6JR4M	0
JR4.0 ST	100	DXT5JR4ST	DXT6JR4ST	0
JR5.0	100	DXT5JR50	DXT6JR50	0
JR5.0	125	DXT5JR50X	DXT6JR50X	0
JR6.0	100	DXT5JR60	DXT6JR60	0



# CORONARY DIAGNOSTIC CATHETERS



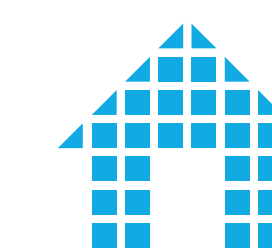
DxTerity™ Right Standard Curves



## AMPLATZ RIGHT

CURVE SIZE	LENGTH (CM)	5 F PRODUCT CODE	6 F PRODUCT CODE	SIDEHOLES
AR1.0	100	DXT5AR10	DXT6AR10	0
AR2.0	100	DXT5AR20	DXT6AR20	0
AR MOD	100	DXT5ARM	DXT6ARM	0

# CORONARY DIAGNOSTIC CATHETERS

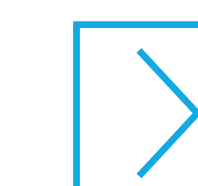
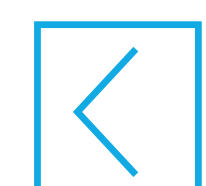


DxTerity™ Standard Curves



## SPECIALTY

CURVE SIZE	LENGTH (CM)	5 F PRODUCT CODE	6 F PRODUCT CODE	SIDEHOLES
NOTO	100	DXT5NOTO	DXT6NOTO	0
3DRC	100	DXT53DRC	DXT63DRC	0
RCB	100	DXT5RCB	DXT6RCB	0
LCB	100	DXT5LCB	DXT6LCB	0
IMA	100	DXT5IMA	DXT6IMA	0



# CORONARY DIAGNOSTIC CATHETERS

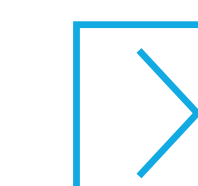
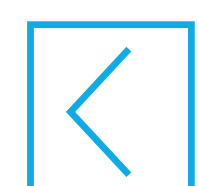


## DxTerity™ Multipurpose Standard Curves



### MULTIPURPOSE

CURVE SIZE	LENGTH (CM)	5 F PRODUCT CODE	6 F PRODUCT CODE	SIDEHOLES
MPA	100	DXT5MPA	DXT6MPA	0
MPA	110	DXT5MPAA	DXT6MPAA	0
MPA	100	DXT5MPASH	DXT6MPASH	2
MPA	110	DXT5MPASHA	DXT6MPASHA	2
MPB	100	DXT5MPB	DXT6MPB	0
MPB	110	DXT5MPBA	DXT6MPBA	0
MPB	100	DXT5MPBSH	DXT6MPBSH	2
MPB	110	DXT5MPBSHA	DXT6MPBSHA	2





# CORONARY DIAGNOSTIC CATHETERS

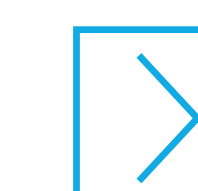
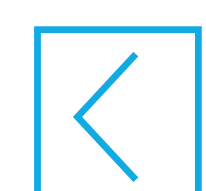


## DxTerity™ Pigtail Standard Curves



### PIGTAILS

CURVE SIZE	LENGTH (CM)	5 F PRODUCT CODE	6 F PRODUCT CODE	SIDEHOLES
PIG STR	110CM	DXT5PIGSTA	DXT6PIGSTA	6
PIG STR	125CM	DXT5PIGSTX	DXT6PIGSTX	6
PIG 145	110CM	DXT5PIG45A	DXT6PIG45A	6
PIG 155	110CM	DXT5PIG55A	DXT6PIG55A	6



# CORONARY DIAGNOSTIC CATHETERS



## Packaging Options for DxTerity™ Angio-kits Standard Curve

### GENERAL CHARACTERISTICS

- 5 Angio-kits per box
- Supplied sterile
- Maximum guidewire: 5 F = 0.038"; 6 F = 0.038"

### PRODUCT DESCRIPTION

#### Angio-kit contains:

- One Judkins left 4.0 catheter (JL4.0)
- One Judkins right 4.0 catheter (JR 4.0)
- One straight or angled pigtail catheter

### ORDERING INFORMATION

PRODUCT CODE	CURVES	LENGTH (CM)	SIZE
AKSTAN501	Judikins Left 4.0	100	5 F
	Judikins Right 4.0	100	5 F
	Straight Pigtail	110	5 F
AKSTAN502	Judikins Left 4.0	100	5 F
	Judikins Right 4.0	100	5 F
	145 Pigtail	110	5 F
AKSTAN601	Judikins Left 4.0	100	6 F
	Judikins Right 4.0	100	6 F
	Straight Pigtail	110	6 F
AKSTAN602	Judikins Left 4.0	100	6 F
	Judikins Right 4.0	100	6 F
	145 Pigtail	110	6 F

# CORONARY DIAGNOSTIC CATHETERS



## DxTerity™ TRA Curves



### GENERAL CHARACTERISTICS

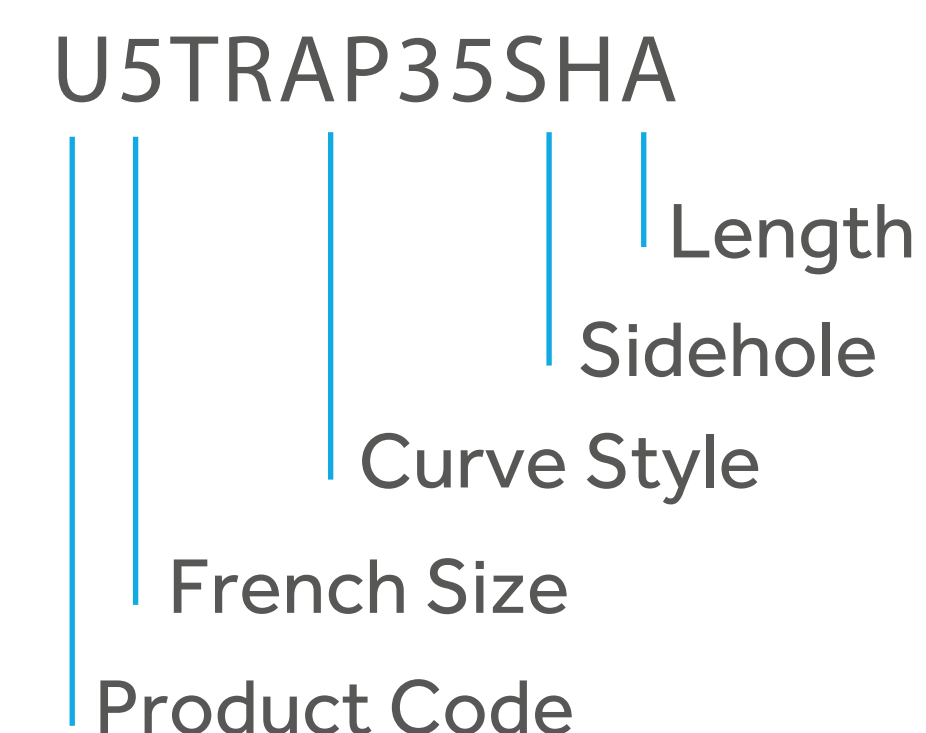
- 5 catheters per box
- Supplied sterile
- Color-coded hub and packaging
- Maximum guidewire: 5 F = 0.038"; 6 F = 0.038"

### PRODUCT DESCRIPTION

Features full-wall technology: a proprietary extrusion process that melts layers together to form a solid shaft. This construction process is applied from hub to tip, providing the DxTerity diagnostic catheter with excellent torque and lubricity for precise manipulation and enhanced deliverability.<sup>1</sup>

DxTerity™ TRA diagnostic catheters are specifically adapted for radial use,<sup>2</sup> offering five universal radial curve shapes to engage both coronaries without catheter exchange.<sup>3</sup>

### PRODUCT CODE

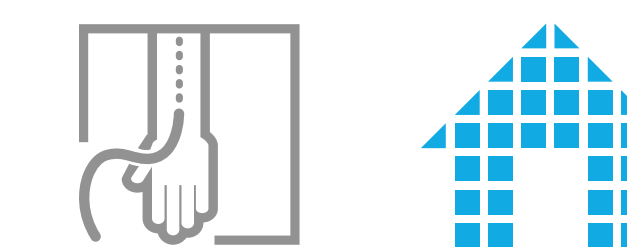


<sup>1</sup> Bench test data on file at Medtronic. May not be indicative of clinical performance.

<sup>2</sup> Based on preclinical data on file at Medtronic.

<sup>3</sup> In porcine models. Based on preclinical data on file at Medtronic.

# CORONARY DIAGNOSTIC CATHETERS

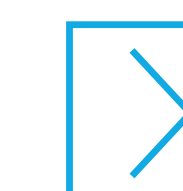
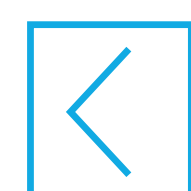
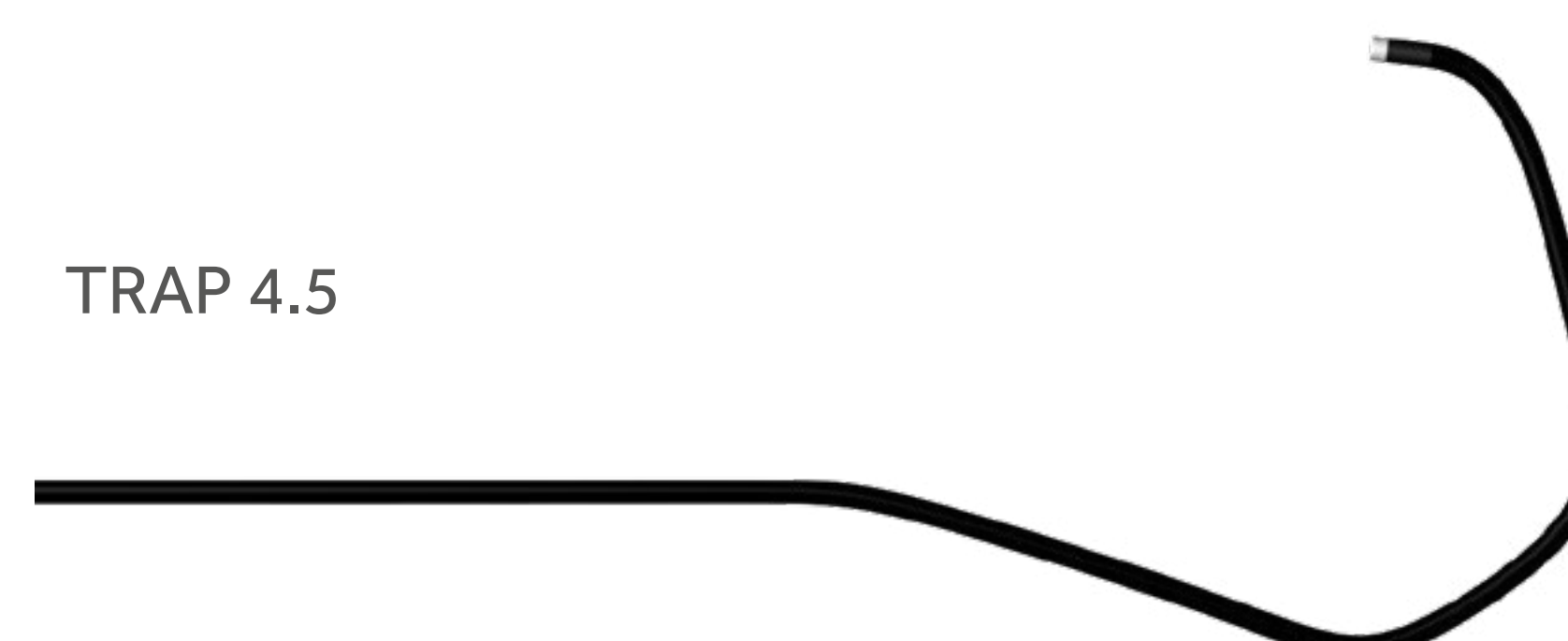


DxTerity™ TRA Curves

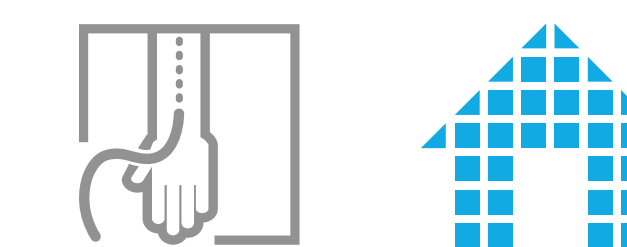


## TRAPEASE

CURVE SIZE	LENGTH (CM)	5 F PRODUCT CODE	6 F PRODUCT CODE	SIDEHOLES
TRAP 3.5	100	U5TRAP35	U6TRAP35	0
TRAP 3.5	100	U5TRAP35SH	U6TRAP35SH	2
TRAP 3.5	110	U5TRAP35SHA	U6TRAP35SHA	2
TRAP 4.0	100	U5TRAP40	U6TRAP40	0
TRAP 4.0	100	U5TRAP40SH	U6TRAP40SH	2
TRAP 4.0	110	U5TRAP40SHA	U6TRAP40SHA	2
TRAP 4.5	100	U5TRAP45	U6TRAP45	0
TRAP 4.5	100	U5TRAP45SH	U6TRAP45SH	2
TRAP 4.5	110	U5TRAP45SHA	U6TRAP45SHA	2



# CORONARY DIAGNOSTIC CATHETERS



DxTerity™ TRA Curves



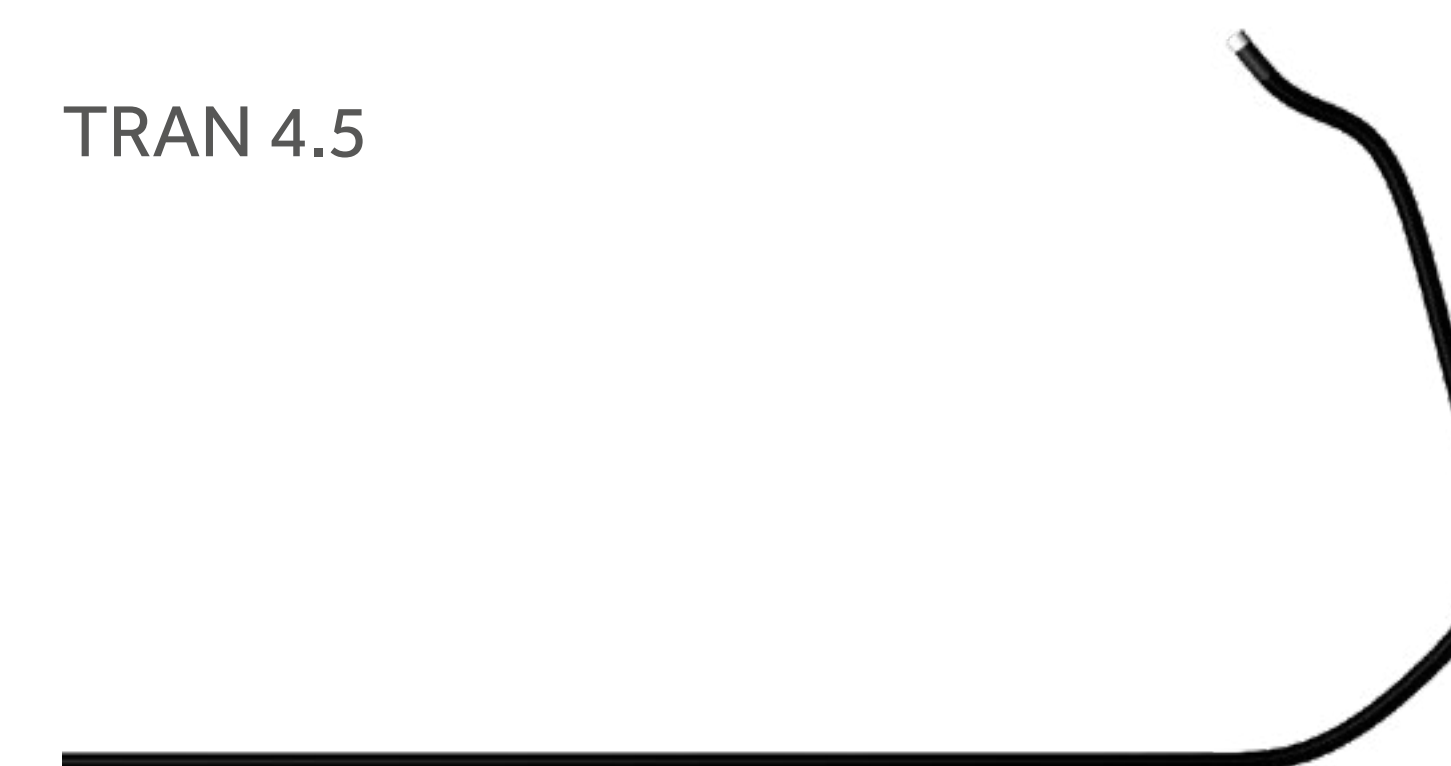
## TRANSFORMER

CURVE SIZE	LENGTH (CM)	5 F PRODUCT CODE	6 F PRODUCT CODE	SIDEHOLES
TRAN 3.5	100	U5TRAN35	U6TRAN35	0
TRAN 3.5	100	U5TRAN35SH	U6TRAN35SH	2
TRAN 3.5	110	U5TRAN35SHA	U6TRAN35SHA	2
TRAN 4.0	100	U5TRAN40	U6TRAN40	0
TRAN 4.0	100	U5TRAN40SH	U6TRAN40SH	2
TRAN 4.0	110	U5TRAN40SHA	U6TRAN40SHA	2
TRAN 4.5	100	U5TRAN45	U6TRAN45	0
TRAN 4.5	100	U5TRAN45SH	U6TRAN45SH	2
TRAN 4.5	110	U5TRAN45SHA	U6TRAN45SHA	2

TRAN 3.5



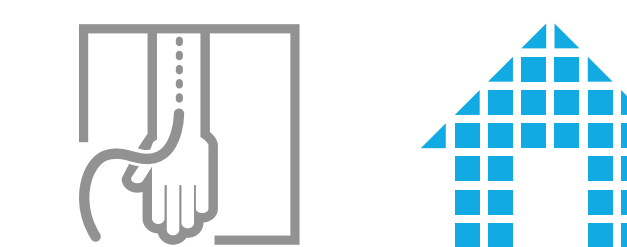
TRAN 4.5



TRAN 4.0



# CORONARY DIAGNOSTIC CATHETERS



DxTerity™ TRA Curves



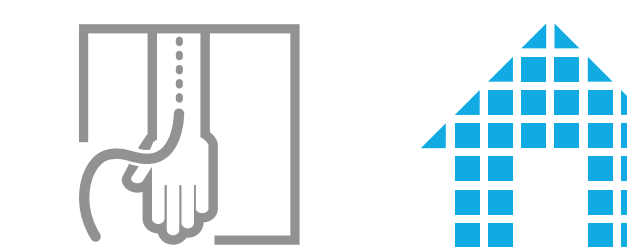
## TRACKER

CURVE SIZE	LENGTH (CM)	5 F PRODUCT CODE	6 F PRODUCT CODE	SIDEHOLES
TRACK	100	U5TRACK	U6TRACK	0
TRACK	100	U5TRACKSH	U6TRACKSH	2
TRACK	110	U5TRACKSHA	U6TRACKSHA	2



TRACKER

# CORONARY DIAGNOSTIC CATHETERS

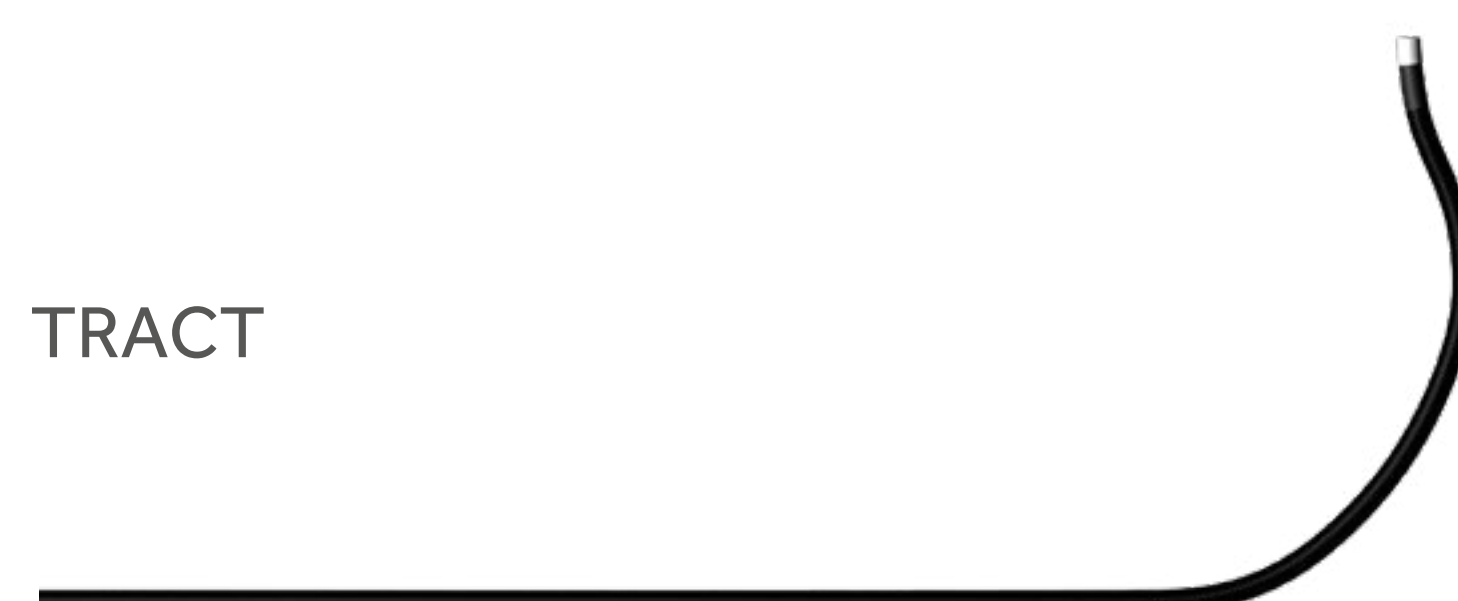


DxTerity™ TRA Curves

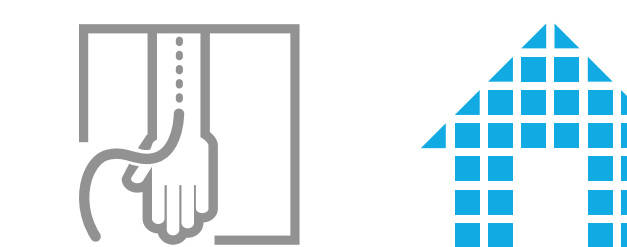


## TRACTIVE

CURVE SIZE	LENGTH (CM)	5 F PRODUCT CODE	6 F PRODUCT CODE	SIDEHOLES
TRACT	100	U5TRACT	U6TRACT	0
TRACT	100	U5TRACTSH	U6TRACTSH	2
TRACT	110	U5TRACTSHA	U6TRACTSHA	2



# CORONARY DIAGNOSTIC CATHETERS

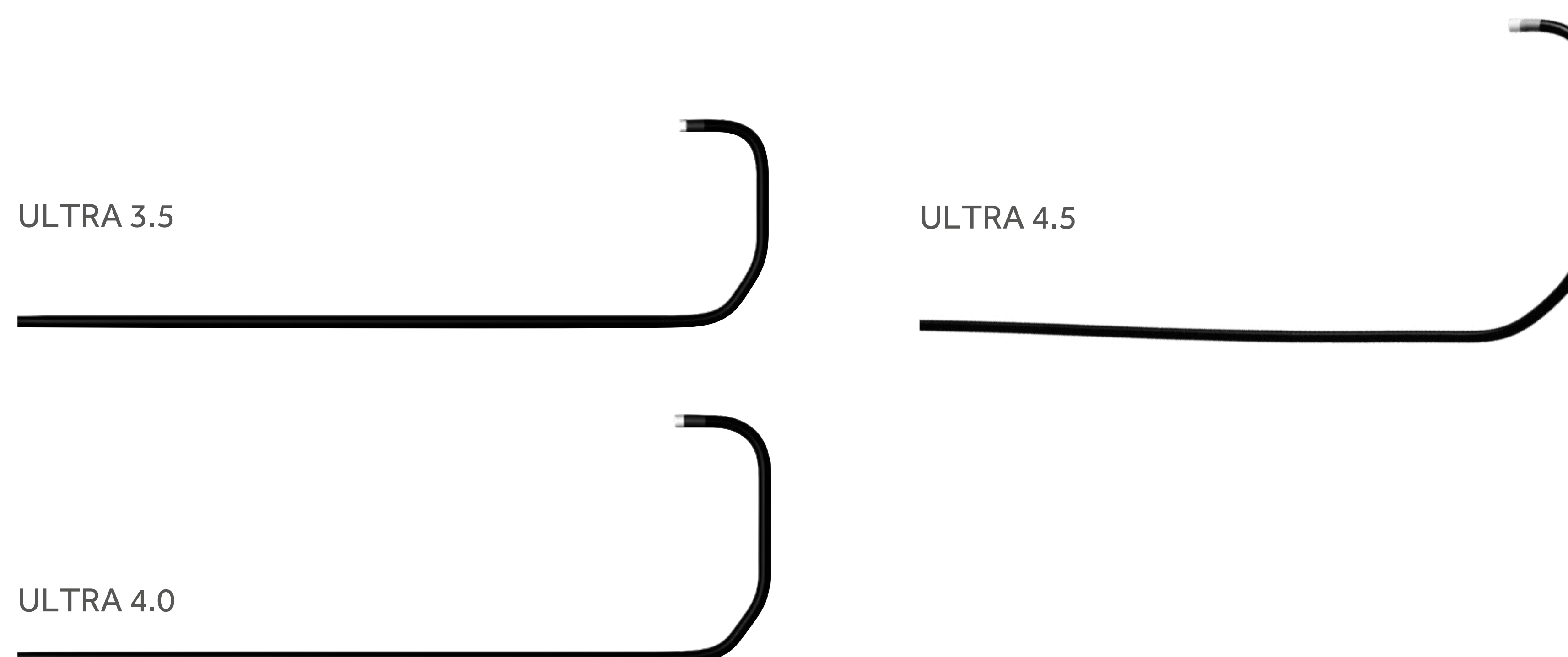


DxTerity™ TRA Curves



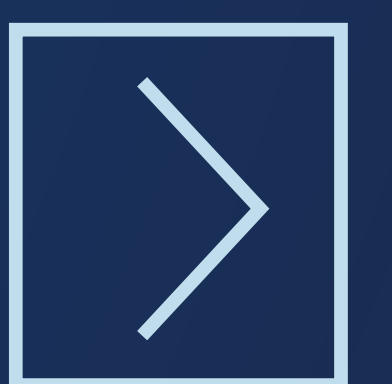
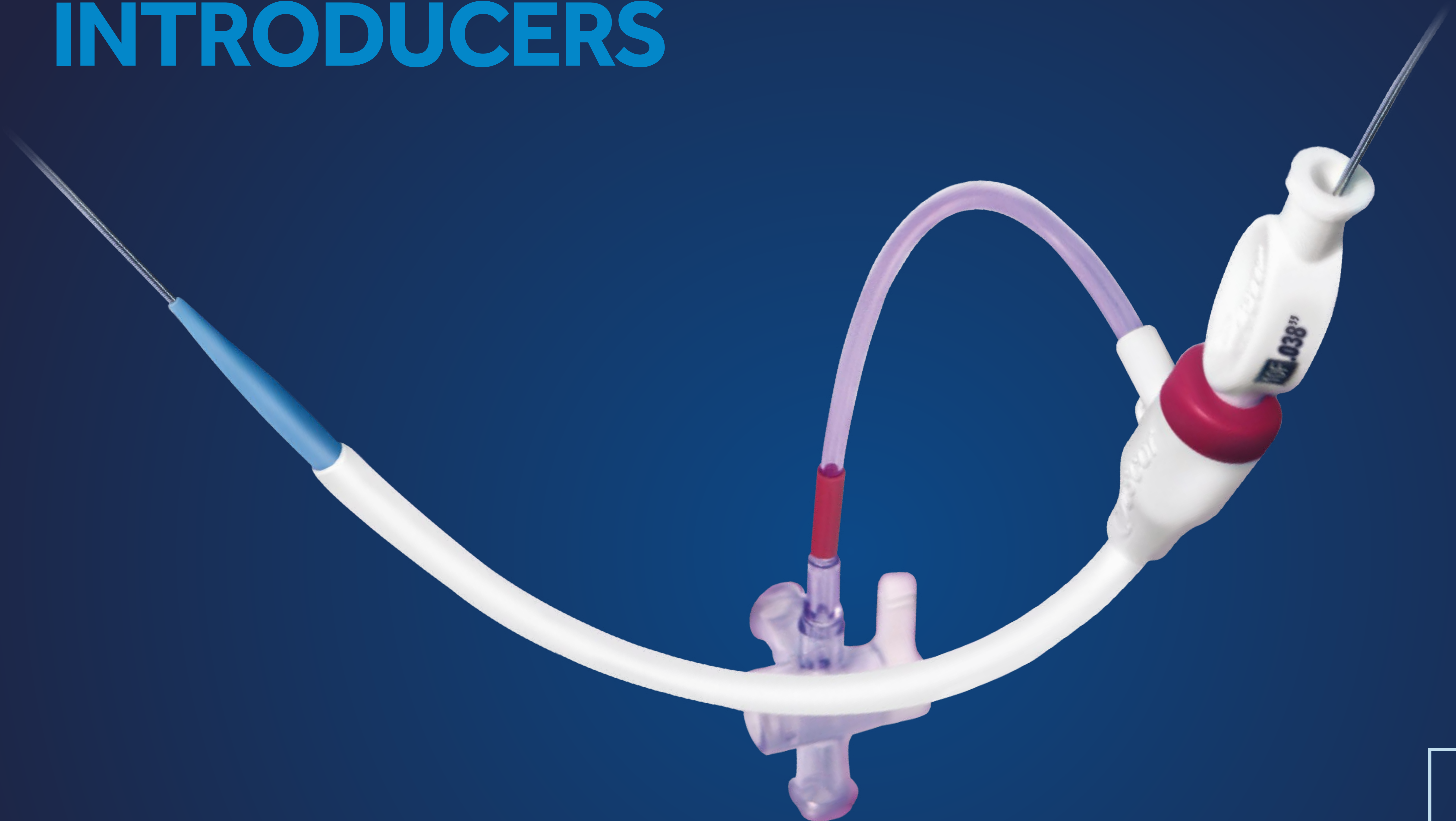
## ULTRA CURVE

CURVE SIZE	LENGTH (CM)	5F PRODUCT CODE	6F PRODUCT CODE	SIDEHOLES
ULTRA 3.5	100	U5ULTRA35	U6ULTRA35	0
ULTRA 3.5	100	U5ULTRA35SH	U6ULTRA35SH	2
ULTRA 3.5	110	U5ULTRA35SHA	U6TULTRA35SHA	2
ULTRA 4.0	100	U5ULTRA40	U6ULTRA40	0
ULTRA 4.0	100	U5ULTRA40SH	U6ULTRA40SH	2
ULTRA 4.0	110	U5ULTRA40SHA	U6ULTRA40SHA	2
ULTRA 4.5	100	U5ULTRA45	U6ULTRA45	0
ULTRA 4.5	100	U5ULTRA45SH	U6ULTRA45SH	2
ULTRA 4.5	110	U5ULTRA45SHA	U6ULTRA45SHA	2

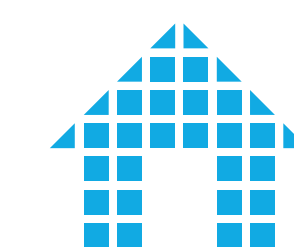




# FEMORAL INTRODUCERS



# FEMORAL INTRODUCERS



## Adelante<sup>®</sup>\* Sigma Introducer Set with Hemostatic Valve<sup>†</sup>



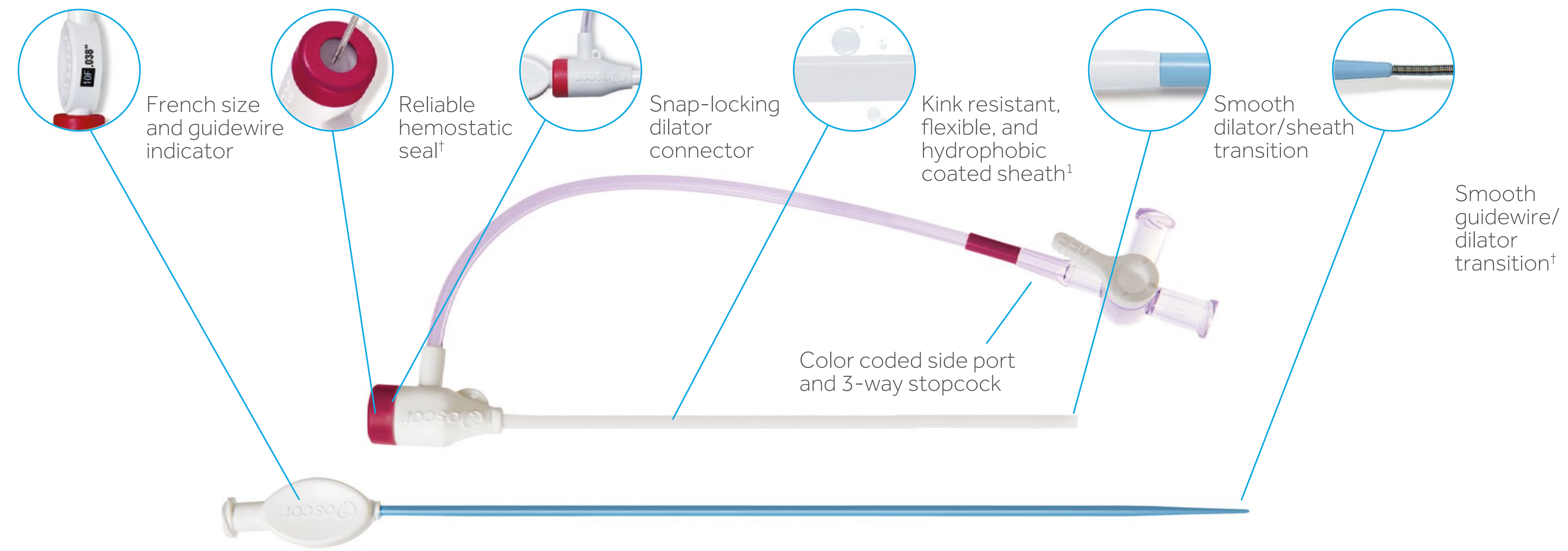
### GENERAL CHARACTERISTICS

- Supplied sterile ▪ Grey: 5F Green: 6 F Orange: 7 F Blue: 8 F Black: 9 F Pink: 10 F Yellow: 11 F

### PRODUCT DESCRIPTION

- Ergonomically designed hub<sup>†</sup>
- Reliable hemostatic seal to prevent blood loss<sup>1</sup>
- Kink resistant and flexible hydrophobic coated sheath for smooth insertion<sup>1</sup>
- Atraumatic tip of dilator provides smooth transition between dilator and sheath during insertion<sup>†</sup>
- Excellent visibility under fluoroscopy<sup>1</sup>
- Accepts maximum guidewire<sup>2</sup> up to 0.038"/0.96 mm

### FEATURES



\*Third party brands are trademarks of their respective owners.  
<sup>†</sup>Medtronic distributes this product on behalf of Oscor Inc.  
<sup>1</sup>Based on Oscor internal data and testing.

# FEMORAL INTRODUCERS



Adelante®\* Sigma Introducer Set with Hemostatic Valve

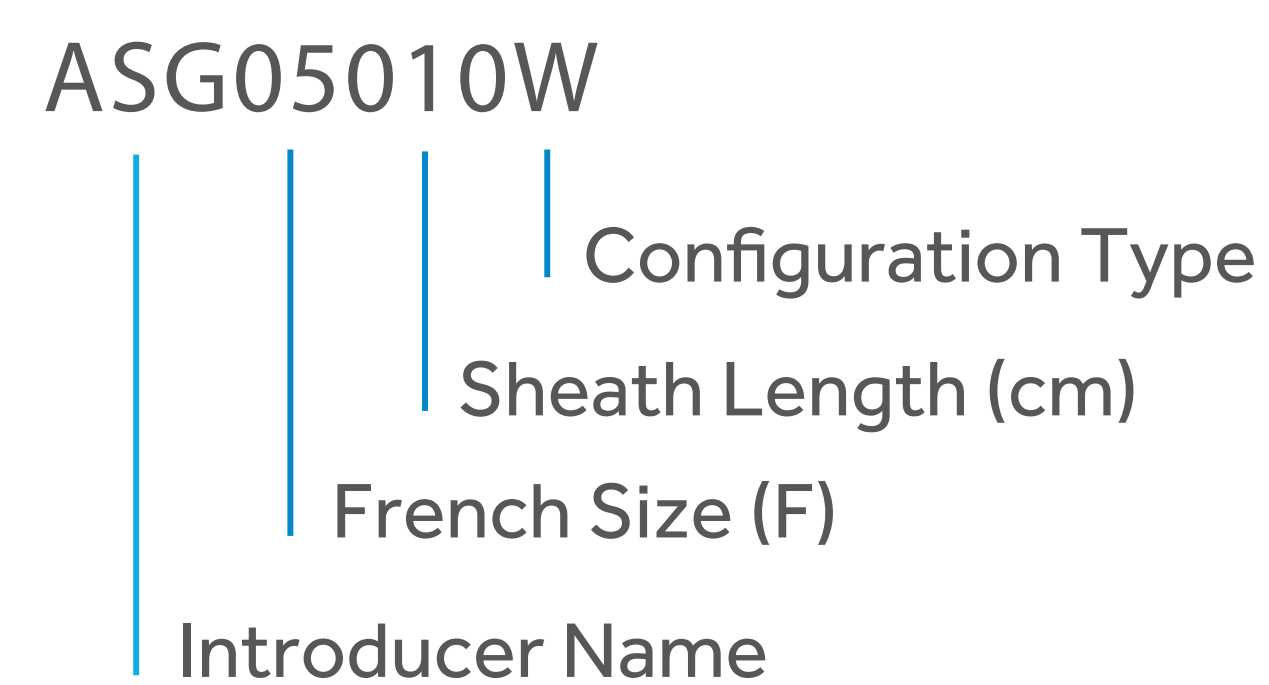


## ORDERING INFORMATION

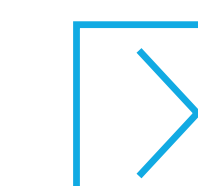
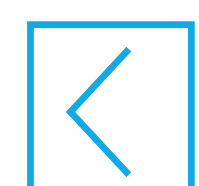
MODEL #TKIT (FIVE PER BOX)	MODEL # WTKIT (FIVE PER BOX)	FRENCH SIZE	SHEATH LENGTH	DILATOR LENGTH
<b>STANDARD</b>				
ASG05010	ASG05010W	5 F	10 cm	15 cm
ASG06010	ASG06010W	6 F	10 cm	15 cm
ASG07010	ASG07010W	7 F	10 cm	15 cm
ASG08010	ASG08010W	8 F	10 cm	15 cm
ASG09010	ASG09010W	9 F	10 cm	15 cm
N/A	ASG10010W	10 F	10 cm	15 cm
N/A	ASG11010W	11 F	10 cm	15 cm
<b>LONG</b>				
ASG06023	ASG06023W	6 F	23 cm	28 cm
ASG07023	ASG07023W	7 F	23 cm	28 cm
ASG08023	ASG08023W	8 F	23 cm	28 cm
ASG09023	ASG09023W	9 F	23 cm	28 cm

Introducer kits supplied sterile. For single use only.

## PRODUCT CODE



\*Third party brands are trademarks of their respective owners.



# FEMORAL INTRODUCERS



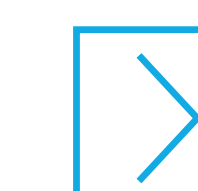
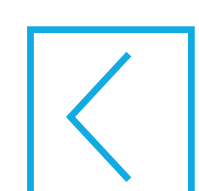
Adelante<sup>®\*</sup> Sigma Introducer Set with Hemostatic Valve



## PRODUCT SPECIFICATIONS

SHEATH TIP ID	SHEATH ID (± 0.001")	SHEATH TIP ID (± 0.001")	SHEATH OD (± 0.001")
5 F	0.076"	0.073"	0.091"
6 F	0.087"	0.083"	0.103"
7 F	0.103"	0.098"	0.128"
8 F	0.113"	0.108"	0.141"
9 F	0.126"	0.121"	0.156"
10 F	0.139"	0.134"	0.169"
11 F	0.152"	0.147"	0.182"

\*Third party brands are trademarks of their respective owners.



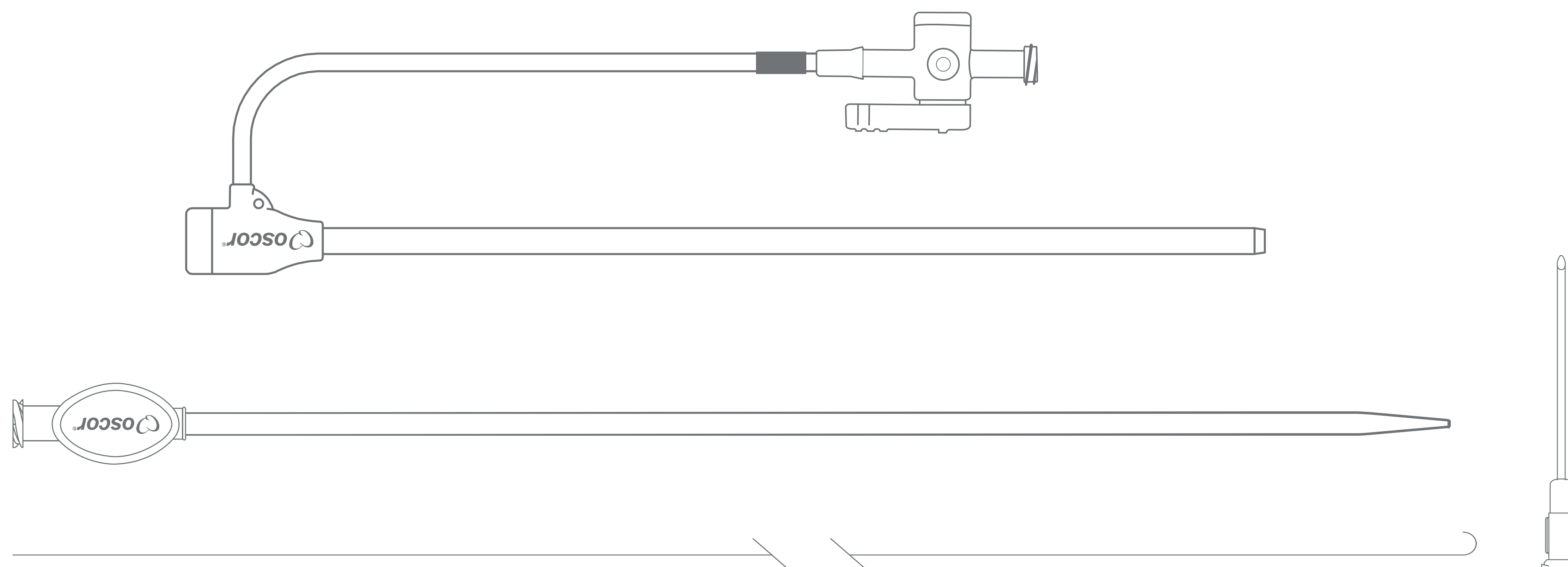
# FEMORAL INTRODUCERS



## Adelante®\* Sigma TKit

### TKIT CONTAINS:

- One Adelante Sigma sheath
- One dilator
- One guidewire (up to 0.038"/0.96 mm) with a flexible straight, J tip
- One needle with protector



\*Third party brands are trademarks of their respective owners.

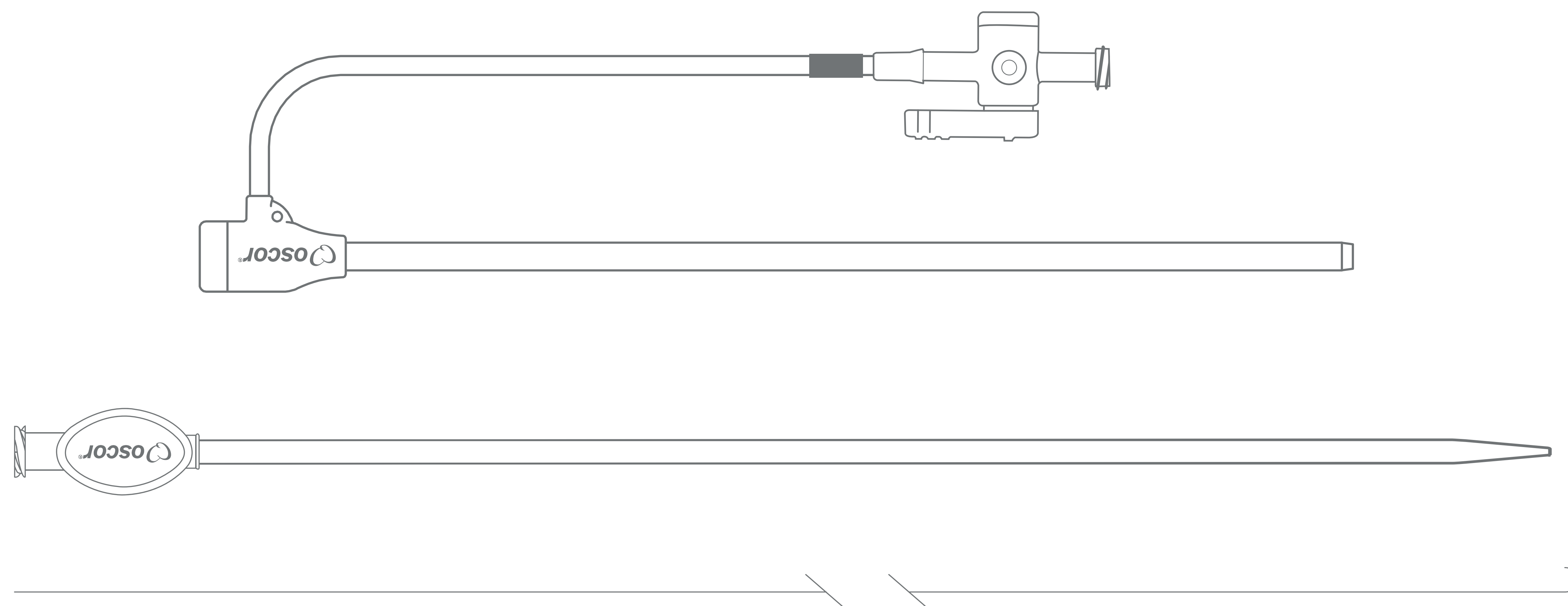
# FEMORAL INTRODUCERS



## Adelante®\* Sigma WTKit

### WTKIT CONTAINS:

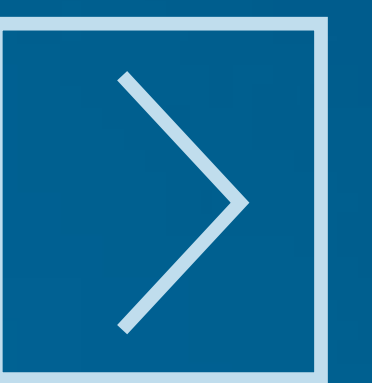
- One Adelante Sigma sheath
- One dilator
- One guidewire (up to 0.038"/0.96 mm) with a flexible straight, J tip



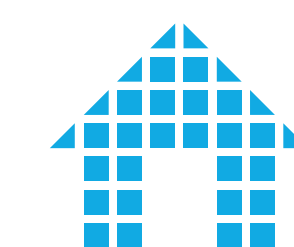
\*Third party brands are trademarks of their respective owners.



# INTERVENTIONAL ACCESSORIES



# INTERVENTIONAL ACCESSORIES



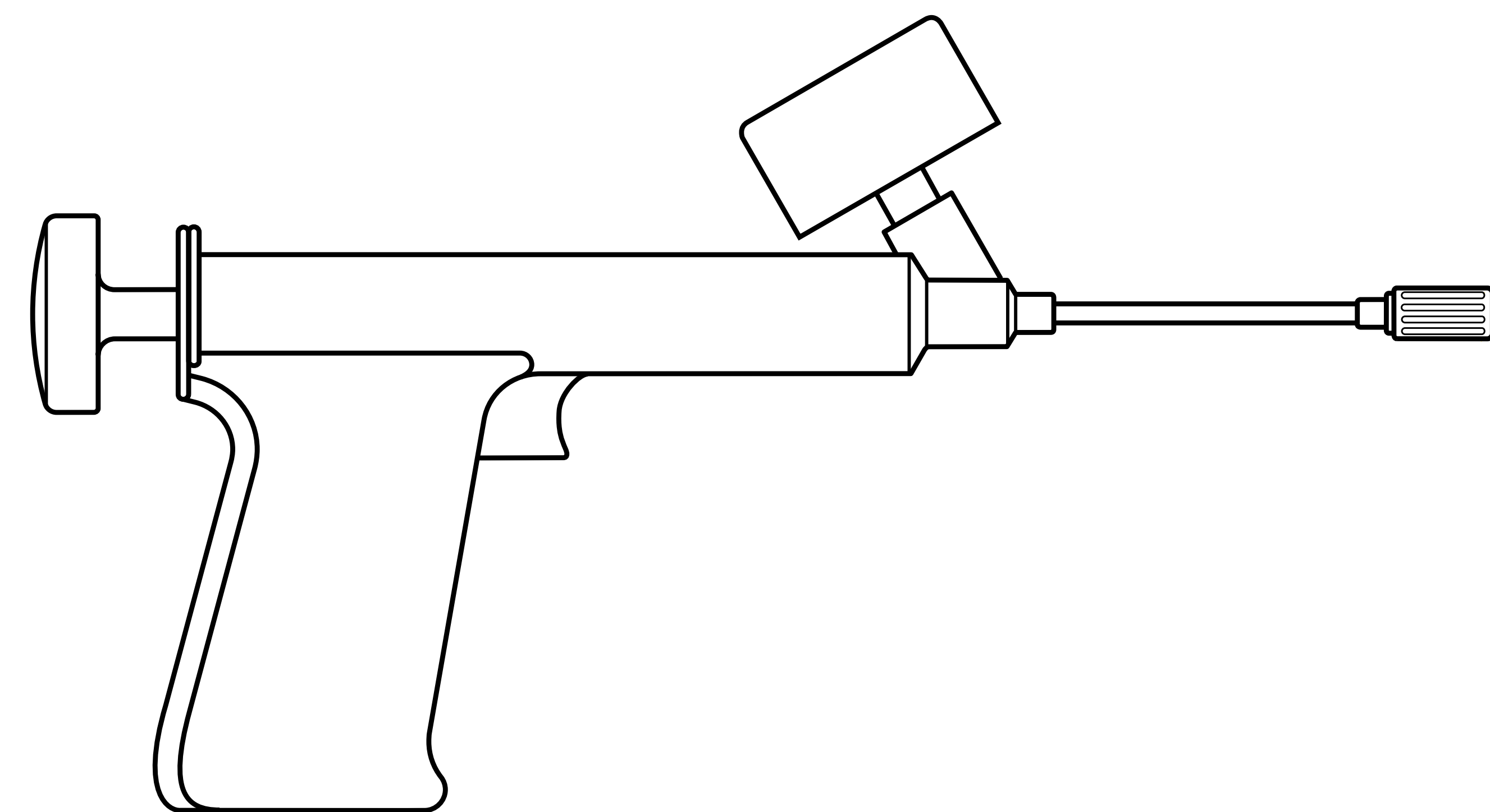
## Everest™ Disposable Inflation Device and Accessories

### GENERAL CHARACTERISTICS

- Supplied sterile
- Items per box: 1
- Kits per box: 1

### PRODUCT DESCRIPTION

- Available with a three-way stopcock
- Quick trigger release so you can release pressure immediately<sup>1</sup>
- Sure-grip torque knob with a ridged design for “no slip” torque control and precise pressure adjustment<sup>1</sup>
- Unique ergonomic pistol grip with centered trigger that fits comfortably in either hand<sup>1</sup>
- Luminescent dial face that provides accurate readability in normal and low-light conditions<sup>1</sup>



### ORDERING INFORMATION

PRODUCT CODE	DESCRIPTION	PACKAGED WITH
AC2200	Everest20 Inflation Device	1 three-way stopcock
AC3200	Everest30 Inflation Device	1 three-way stopcock
AC2205P	Everest20 Survival Kit	1 Everest 20 atm inflation device, 1 three-way stopcock, Piton™ Y-adapter, guidewire insertion tool, and torque handle
AC3205P	Everest30 Survival Kit	1 Everest 30 atm inflation device, 1 three-way stopcock, Piton™ Y-adapter, guidewire insertion tool, and torque handle

<sup>1</sup>Bench test data on file at Medtronic. May not be indicative of clinical performance.



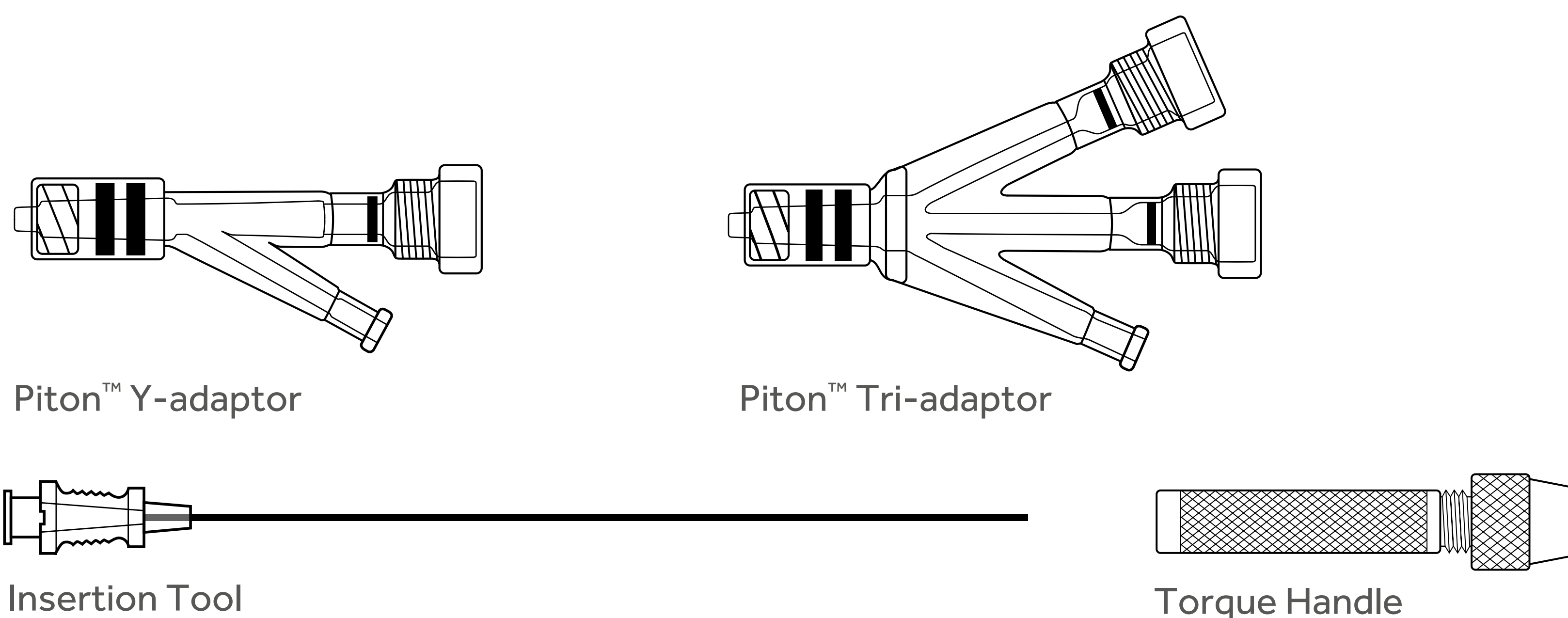
# INTERVENTIONAL ACCESSORIES



## Piton™ Disposable Adaptors and Stretch Insertion Tool

### GENERAL CHARACTERISTICS

- Supplied sterile
- Items per box: 5



### ORDERING INFORMATION

	PRODUCT CODE	LUMEN I.D. (IN.)	PACKAGED WITH	COLOR
<b>PITON™ Y-ADAPTOR</b>	AC4001M	0.110	1 Piton™ Y-Adaptor, 1 insertion tool	Clear/Blue
<b>PITON™ Y-ADAPTOR KIT</b>	AC4003M	0.110	1 Piton™ Y-Adaptor, 1 insertion tool, 1 torque handle	
<b>PITON™ TRI-ADAPTORS</b>	AC4002M	0.110	1 Piton™ Tri-Adaptor, 1 insertion tool	
<b>STEERING HANDLE</b>	AC4006			

# INTERVENTIONAL ACCESSORIES



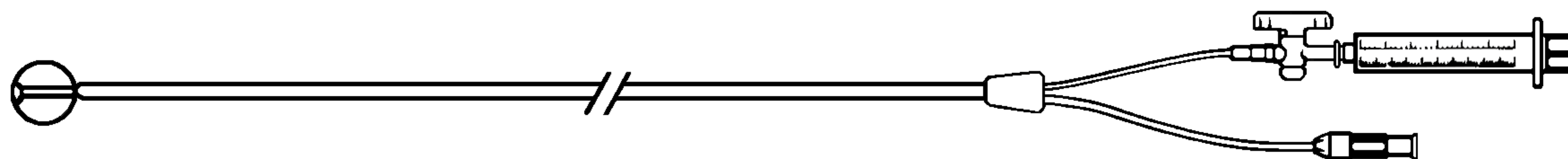
## Pulmonary Wedge Pressure (PWP) Catheter

### GENERAL CHARACTERISTICS

- Supplied sterile
- For single use
- Maximum guidewire: 0.038"
- Items per box: 5

### PRODUCT DESCRIPTION

- Provides placement for hemodynamic pressure readings
- Large lumen for blood sampling and pressure tracings
- Accommodates 0.038" guidewire
- Packaged with balloon inflation syringe



Balloon inflation 1.5 cc

### ORDERING INFORMATION

PRODUCT CODE	FRENCH SIZE	LENGTH (CM)
150075	7	110

## Important information

Prior to use, refer to the product Instructions for Use supplied with these devices for indications, contraindications, side effects, suggested procedure, warnings, and precautions.

**CAUTION:** Federal (USA) law restricts these devices to sale by or on the order of a licensed healthcare practitioner. See [package inserts for full product information](#).

For further information, please call and/or consult Medtronic at the numbers or website listed.

# Medtronic

**Medtronic**  
Tel. 707.525.0111

**LifeLine Customer  
Support**  
Tel.877.526.7890

**Product Services**  
Tel. 888.283.7868

**medtronic.com**

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