



CORONARY VASCULAR AND RENAL DENERVATION PRODUCT CATALOGUE

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

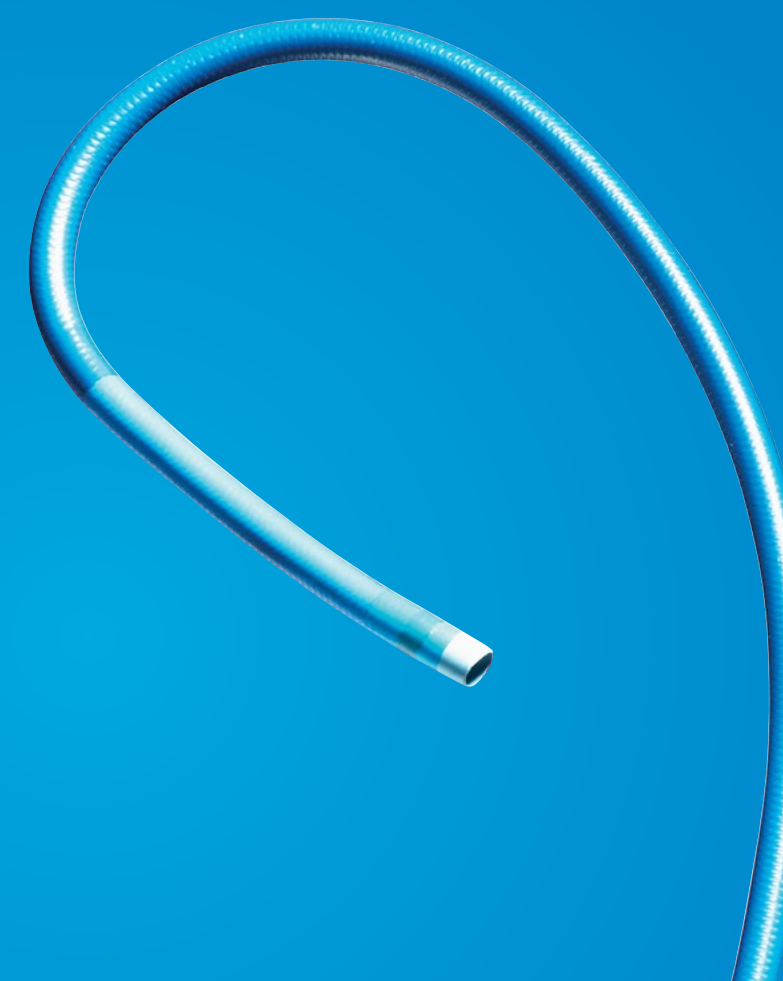
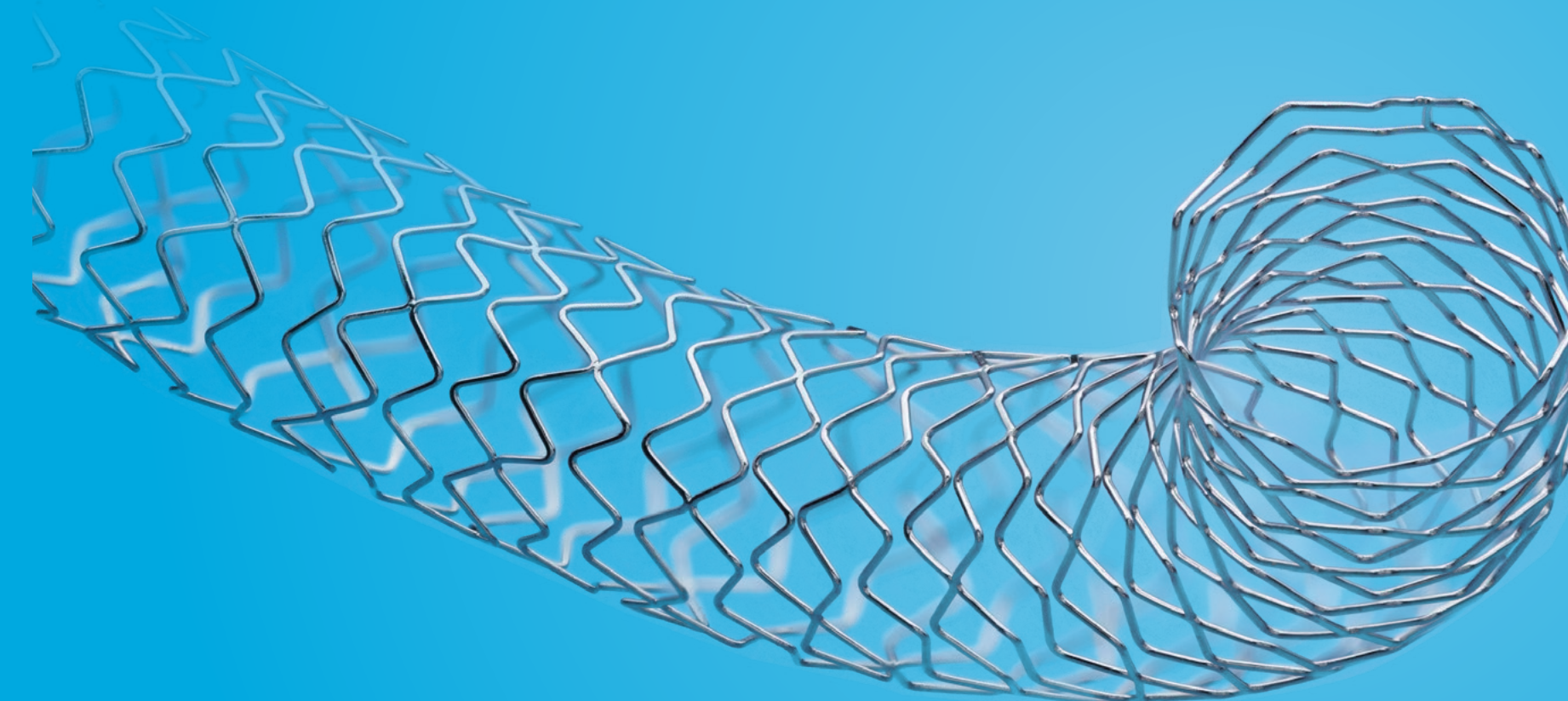
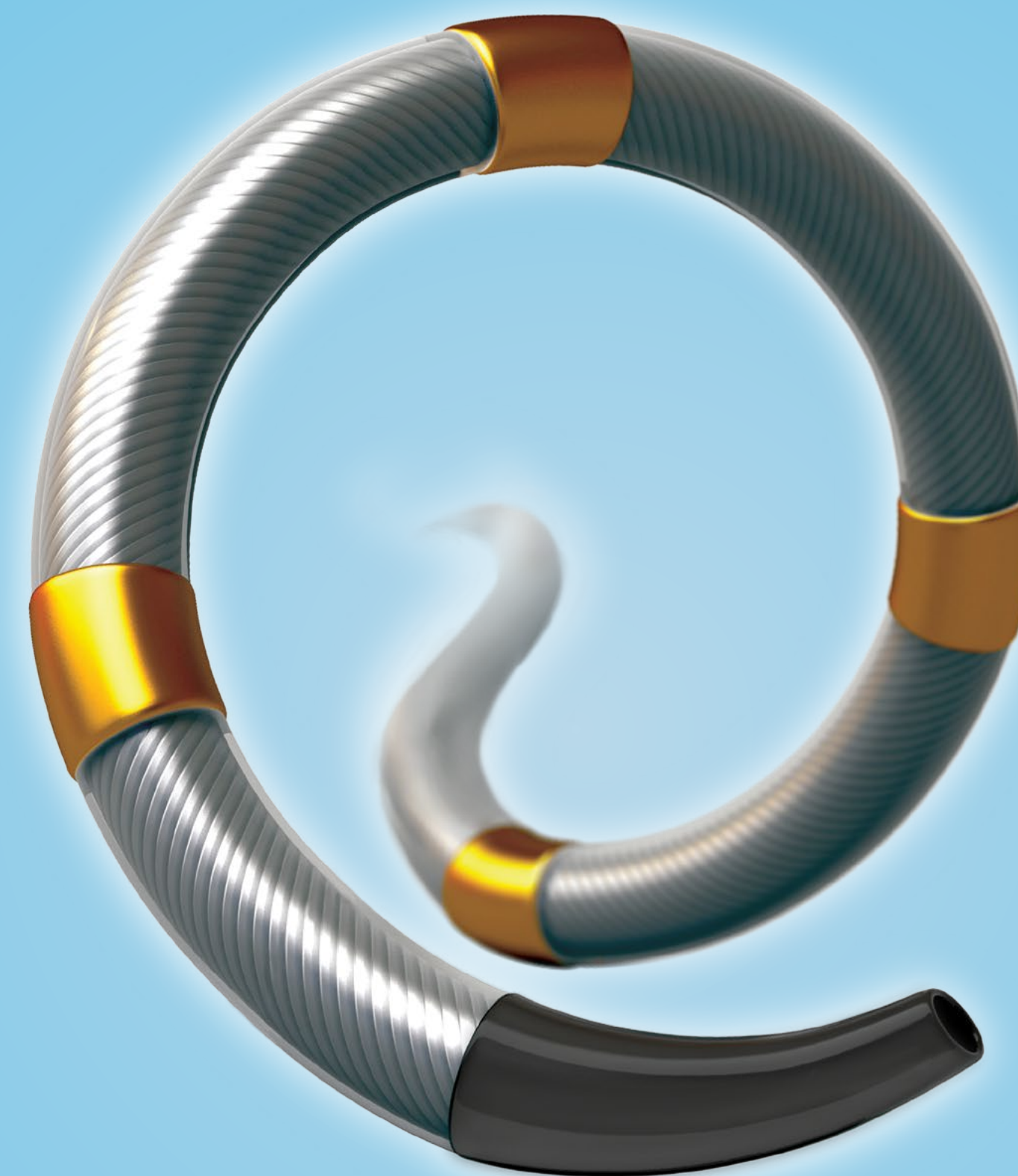
8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



Medtronic
Further, Together



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INTRODUCTION

GOING "FURTHER, TOGETHER"

As a global leader in medical technology, services and solutions, Medtronic improves the health and lives of millions of people each year. We believe our deep clinical, therapeutic, and economic expertise can help address the complex challenges — such as rising costs, aging populations, and the burden of chronic disease — faced by families and healthcare systems today. But no one can do it alone. That's why we're committed to partnering in new ways and developing powerful solutions that deliver better patient outcomes.

We call this new approach "**Further, Together.**" "Further," because we will continue to drive progress in innovation, and devise powerful solutions with proven clinical and economic value as the basis of our offerings and value proposition. And "Together," because we will forge new, different, and stronger partnerships to help our customers achieve their goal of delivering more seamless, integrated care across the healthcare continuum.

The main tenets of "Further, Together." focus on developing **meaningful innovations** at the therapy, procedural, and system levels; leveraging our capabilities and expertise to align value among the various stakeholders in the healthcare system; and expanding global access to healthcare — all while developing new partnerships with those who are committed to transforming healthcare.

Founded in 1949 as a medical repair company, we're now among the world's largest medical technology, services and solutions companies, employing more than 85,000 people worldwide, serving physicians, hospitals and patients in more than 155 countries. Join us in our commitment to take healthcare Further, Together. Learn more at [Medtronic.com](https://www.Medtronic.com).



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1. DRUG ELUTING STENTS

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

2. BARE METAL STENTS

- a. Integrity™

3. BALLOON DILATATION CATHETERS

Solarice Family

- a. Solarice™
- b. NC Solarice™

Sprinter Family

- a. Sprinter Legend™ RX
- b. Sprinter Legend™ OTW
- c. Sprinter™ OTW
- d. NC Sprinter™

7. INTERVENTIONAL GUIDEWIRES

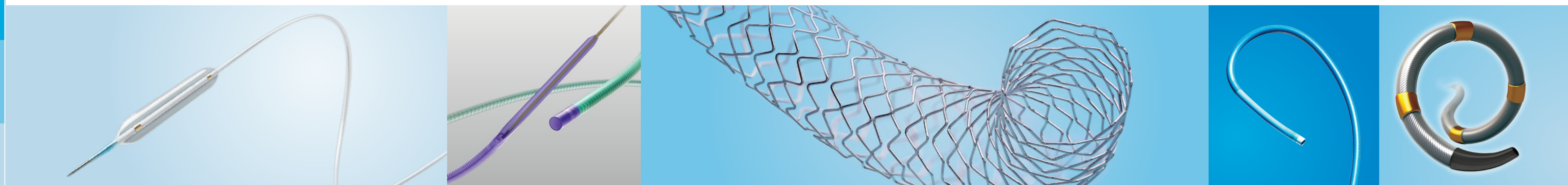
- a. Guidewire Family overview
- b. Zinger™ stainless steel workhorse wire
- c. Intuition™ advanced workhorse guidewire
- d. Cougar™ nitinol workhorse wire
- e. ProVia™ crossing guidewire
- f. Thunder™ extra-support guidewire

8. ASPIRATION CATHETERS

- a. Export Advance™ Aspiration Catheter
- b. Export™ AP Aspiration Catheter

10. INTERVENTIONAL ACCESSORIES

- a. Everest™ inflation device and survival kit
- b. Piton™ disposable PTCA Y-Adaptor and Y-Adaptor kits
- c. Stretch™ insertion tool
- d. Steering handle
- e. Pulmonary Wedge Pressure Catheter (PWP) for hemodynamic monitoring



4. DRUG ELUTING BALLOONS

- a. In.Pact Falcon™

5. GUIDE CATHETER FAMILY

- a. Guide catheter family overview
- b. Launcher™
- c. Sherpa NX™ Balanced
- d. Zuma 2™

6. SUPPORT CATHETER FAMILY

- a. Telescope™ - *guide extension catheter*

9. ANGIOGRAPHIC CATHETERS AND WIRES

- a. DxTerity™
- b. Woven Coronary Catheters High-Volume
- c. Woven Coronary Catheters General Purpose and Transvalvular
- d. PTFE-Coated Guidewires: Fixed Core
- e. PTFE-Coated Guidewires: Movable Core
- f. Support and Exchange wires
- g. Specialty Guidewires

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

Pediatric Products

- a. Pediatric Woven Coronary Catheters
- b. Pediatric Woven NIH Catheters
- c. Pediatric Rashkind™ Septostomy Balloon Catheters

Transseptal Products

- a. Transseptal Catheter Introducer Sheaths

12. RENAL DENERVATION

- a. Symplicity Spyral™ Multi-Electrode Renal Denervation Catheter



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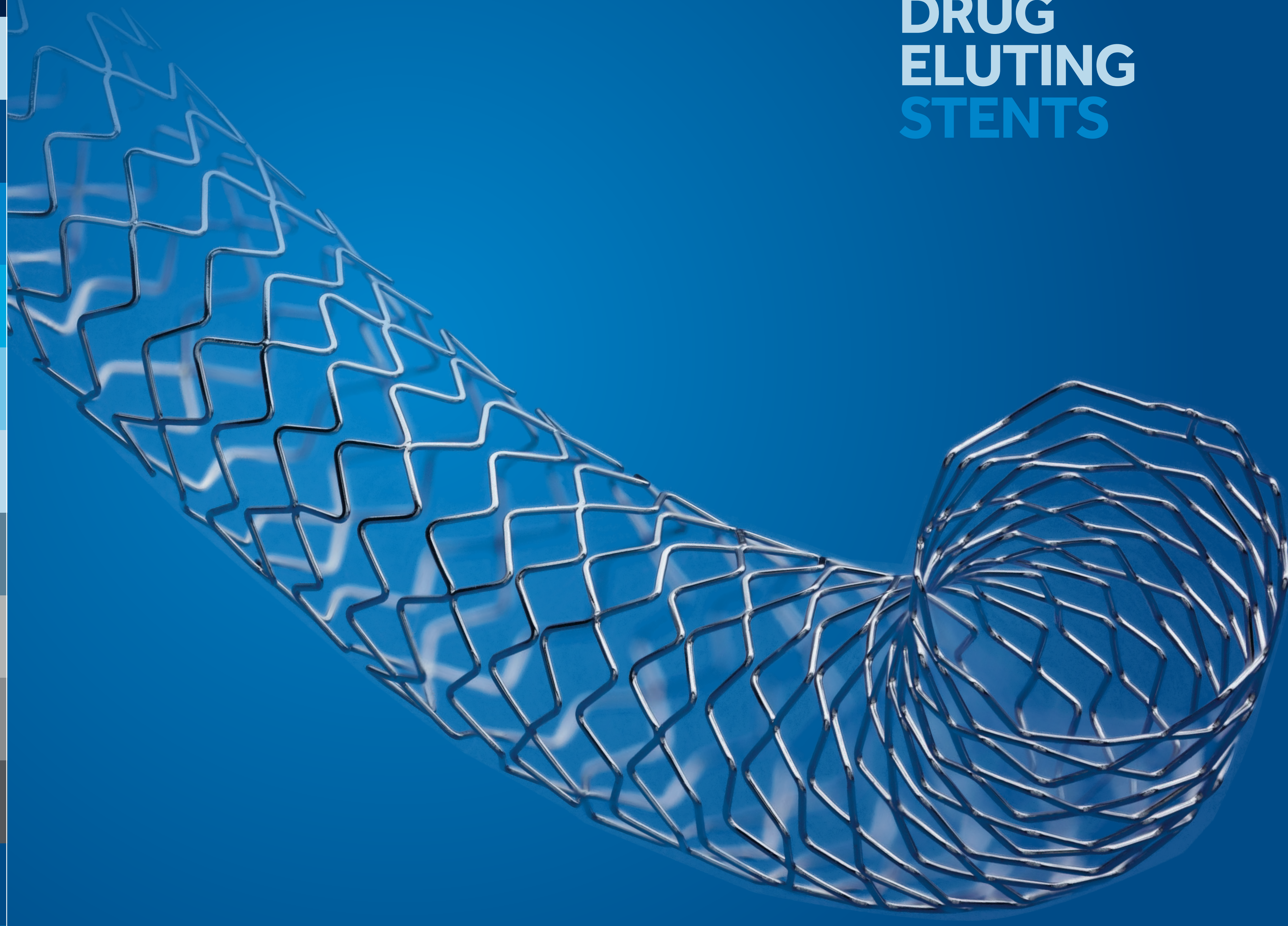
9. ANGIOGRAPHIC CATHETERS AND WIRES

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DRUG ELUTING STENTS





CORONARY STENTS

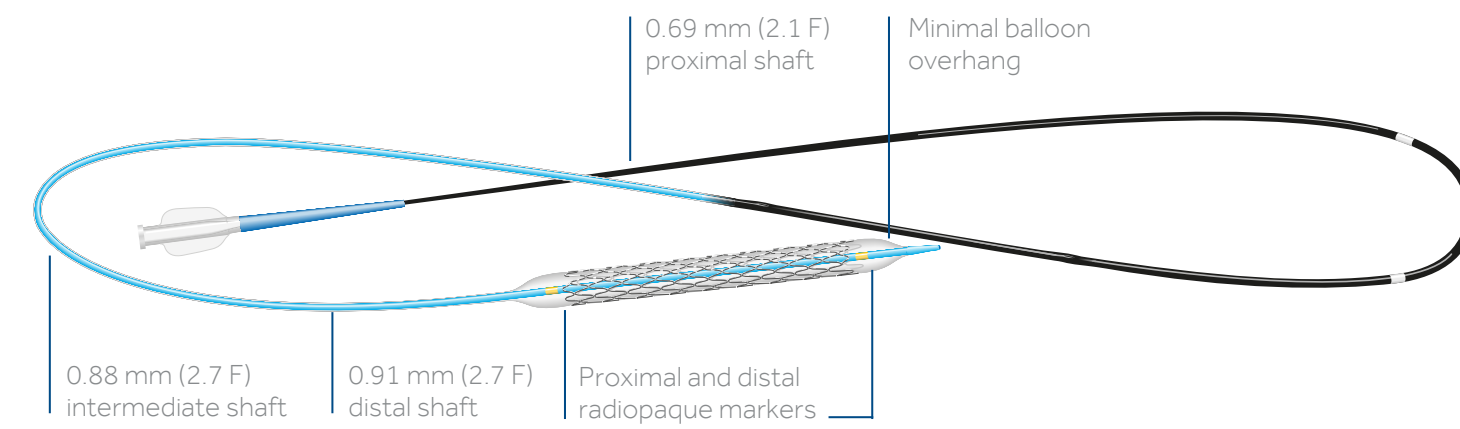
Resolute Integrity™ Drug-Eluting Stent System

GENERAL CHARACTERISTICS

*Supplied sterile. *Items per box: 1 *Label color: White

PRODUCT DESCRIPTION

Resolute Integrity™ DES combines powerful clinical advantages of Resolute™ DES with the unique Continuous Sinusoid Technology of Integrity™ BMS. The result is a DES that provides superior deliverability¹ and powerful clinical performance.²



RESOLUTE INTEGRITY DRUG-ELUTING STENT SYSTEM

| PRODUCT CODE | STENT DIAMETER (MM) | STENT LENGTH (MM) | PRODUCT CODE | STENT DIAMETER (MM) | STENT LENGTH (MM) |
|--------------|---------------------|-------------------|--------------|---------------------|-------------------|
| RSINT22508X | 2.25 | 8 | RSINT30018X | 3.00 | 18 |
| RSINT22512X | 2.25 | 12 | RSINT30022X | 3.00 | 22 |
| RSINT22514X | 2.25 | 14 | RSINT30026X | 3.00 | 26 |
| RSINT22518X | 2.25 | 18 | RSINT30030X | 3.00 | 30 |
| RSINT22522X | 2.25 | 22 | RSINT35009X | 3.50 | 9 |
| RSINT22526X | 2.25 | 26 | RSINT35012X | 3.50 | 12 |
| RSINT22530X | 2.25 | 30 | RSINT35015X | 3.50 | 15 |
| RSINT25008X | 2.50 | 8 | RSINT35018X | 3.50 | 18 |
| RSINT25012X | 2.50 | 12 | RSINT35022X | 3.50 | 22 |
| RSINT25014X | 2.50 | 14 | RSINT35026X | 3.50 | 26 |
| RSINT25018X | 2.50 | 18 | RSINT35030X | 3.50 | 30 |
| RSINT25022X | 2.50 | 22 | RSINT40009X | 4.00 | 9 |
| RSINT25026X | 2.50 | 26 | RSINT40012X | 4.00 | 12 |
| RSINT25030X | 2.50 | 30 | RSINT40015X | 4.00 | 15 |
| RSINT27508X | 2.75 | 8 | RSINT40018X | 4.00 | 18 |
| RSINT27512X | 2.75 | 12 | RSINT40022X | 4.00 | 22 |
| RSINT27514X | 2.75 | 14 | RSINT40026X | 4.00 | 26 |
| RSINT27518X | 2.75 | 18 | RSINT40030X | 4.00 | 30 |
| RSINT27522X | 2.75 | 22 | | | |
| RSINT27526X | 2.75 | 26 | | | |
| RSINT27530X | 2.75 | 30 | | | |
| RSINT30009X | 3.00 | 9 | | | |
| RSINT30012X | 3.00 | 12 | | | |
| RSINT30015X | 3.00 | 15 | | | |

TECHNICAL INFORMATION

5F Minimum guide catheter I.D. 1.4 mm (0.056 in.)
Crossing Profiles:
2.25–2.75 mm: 1.01–1.10 mm (0.040–0.043 in.)
3.0–4.0 mm: 1.10–1.31 mm (0.043–0.052 in.)

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 pressure¹ Maximum Stent I.D.²

1. Do not exceed rated burst pressure.
2. Do not postdilate the 2.25–2.75-mm stents to greater than 3.50 mm. Do not postdilate the 3.00–4.00-mm stents to greater than 4.75 mm.

1. Bench test data vs. Abbott Xience Prime and Boston Scientific Promus Element on file at Medtronic, Inc.
2. RESOLUTE All Comers 12-month data. RESOLUTE All Comers evaluated the Resolute stent.

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CORONARY STENTS

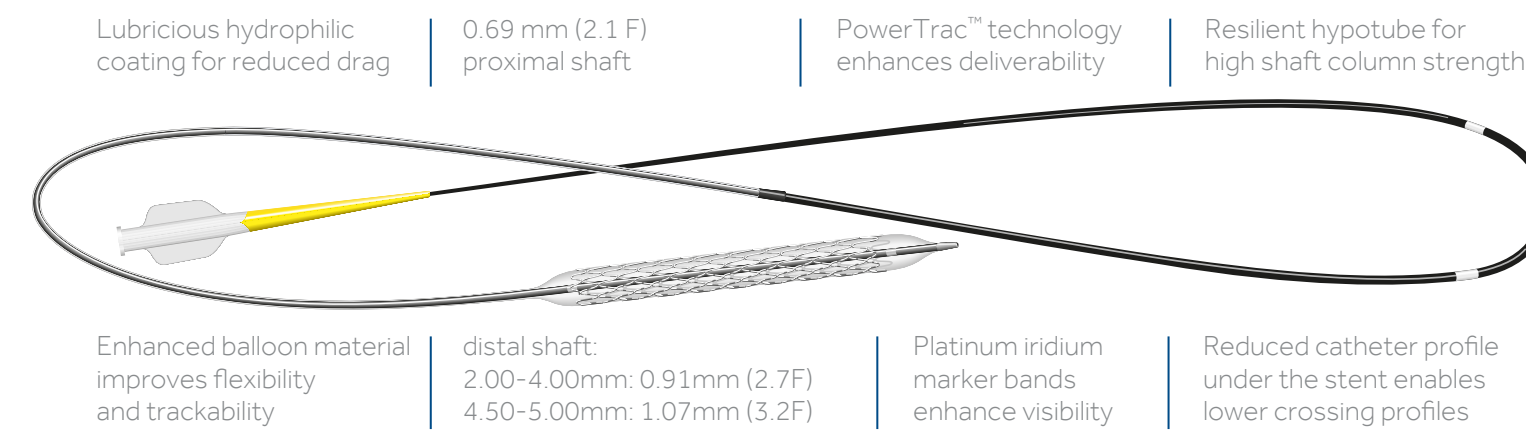
Resolute Onyx™ Drug-Eluting Stent System

GENERAL CHARACTERISTICS

• Supplied sterile. • Items per box: 1 • Label color: White

PRODUCT DESCRIPTION

Resolute Onyx™ zotarolimus-eluting coronary stent builds on the Integrity™ platform's acute procedural success¹ utilizing Continuous Sinusoid Technology and introduces Core Wire Technology for increased radiopacity, deliverability² and performance, the broadest size matrix to optimize treatment of complex clinical scenarios and the proven long-term safety and efficacy shown in the Global RESOLUTE Program



RESOLUTE INTEGRITY DRUG-ELUTING STENT SYSTEM

| PRODUCT CODE | STENT DIAMETER (MM) | STENT LENGTH (MM) | PRODUCT CODE | STENT DIAMETER (MM) | STENT LENGTH (MM) |
|--------------|---------------------|-------------------|--------------|---------------------|-------------------|
| RONYX20008X | 2.00 | 8 | RONYX30018X | 3.00 | 18 |
| RONYX20012X | 2.00 | 12 | RONYX30022X | 3.00 | 22 |
| RONYX20015X | 2.00 | 15 | RONYX30026X | 3.00 | 26 |
| RONYX20018X | 2.00 | 18 | RONYX30030X | 3.00 | 30 |
| RONYX20022X | 2.00 | 22 | RONYX30034X | 3.00 | 34 |
| RONYX20026X | 2.00 | 26 | RONYX30038X | 3.00 | 38 |
| RONYX20030X | 2.00 | 30 | RONYX35008X | 3.50 | 8 |
| RONYX22508X | 2.25 | 8 | RONYX35012X | 3.50 | 12 |
| RONYX22512X | 2.25 | 12 | RONYX35015X | 3.50 | 15 |
| RONYX22515X | 2.25 | 15 | RONYX35018X | 3.50 | 18 |
| RONYX22518X | 2.25 | 18 | RONYX35022X | 3.50 | 22 |
| RONYX22522X | 2.25 | 22 | RONYX35026X | 3.50 | 26 |
| RONYX22526X | 2.25 | 26 | RONYX35030X | 3.50 | 30 |
| RONYX22530X | 2.25 | 30 | RONYX35034X | 3.50 | 34 |
| RONYX22534X | 2.25 | 34 | RONYX35038X | 3.50 | 38 |
| RONYX22538X | 2.25 | 38 | RONYX40008X | 4.00 | 8 |
| RONYX25008X | 2.50 | 8 | RONYX40012X | 4.00 | 12 |
| RONYX25012X | 2.50 | 12 | RONYX40015X | 4.00 | 15 |
| RONYX25015X | 2.50 | 15 | RONYX40018X | 4.00 | 18 |
| RONYX25018X | 2.50 | 18 | RONYX40022X | 4.00 | 22 |
| RONYX25022X | 2.50 | 22 | RONYX40026X | 4.00 | 26 |
| RONYX25026X | 2.50 | 26 | RONYX40030X | 4.00 | 30 |
| RONYX25030X | 2.50 | 30 | RONYX40034X | 4.00 | 34 |
| RONYX25034X | 2.50 | 34 | RONYX40038X | 4.00 | 38 |
| RONYX25038X | 2.50 | 38 | RONYX45012X | 4.50 | 12 |
| RONYX27508X | 2.75 | 8 | RONYX45015X | 4.50 | 15 |
| RONYX27512X | 2.75 | 12 | RONYX45018X | 4.50 | 18 |
| RONYX27515X | 2.75 | 15 | RONYX45022X | 4.50 | 22 |
| RONYX27518X | 2.75 | 18 | RONYX45026X | 4.50 | 26 |
| RONYX27522X | 2.75 | 22 | RONYX45030X | 4.50 | 30 |
| RONYX27526X | 2.75 | 26 | RONYX50012X | 5.00 | 12 |
| RONYX27530X | 2.75 | 30 | RONYX50015X | 5.00 | 15 |
| RONYX27534X | 2.75 | 34 | RONYX50018X | 5.00 | 18 |
| RONYX27538X | 2.75 | 38 | RONYX50022X | 5.00 | 22 |
| RONYX30008X | 3.00 | 8 | RONYX50026X | 5.00 | 26 |
| RONYX30012X | 3.00 | 12 | RONYX50030X | 5.00 | 30 |
| RONYX30015X | 3.00 | 15 | | | |

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 | 5.00 |
| 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 | 3.25 | 3.25 | 3.25 | 3.75 | 3.75 | 4.75 | 4.75 | 5.75 | 5.75 |

| Nominal pressure | Rated burst pressure ¹ | Maximum Stent I.D. ² |
|------------------|-----------------------------------|---------------------------------|
|------------------|-----------------------------------|---------------------------------|

1. Do not exceed rated burst pressure.
2. Do not postdilate greater than listed value.

1. DELIVER study
2. Based on bench test data vs. Promus Premier™ DES, Synergy™ II DES, Xience Xpedition™ DES, Xience Alpine™ DES, BioMatrix NeoFlex™ DES, Orsiro™ DES Ultimaster™ DES and Resolute Integrity™ DES.

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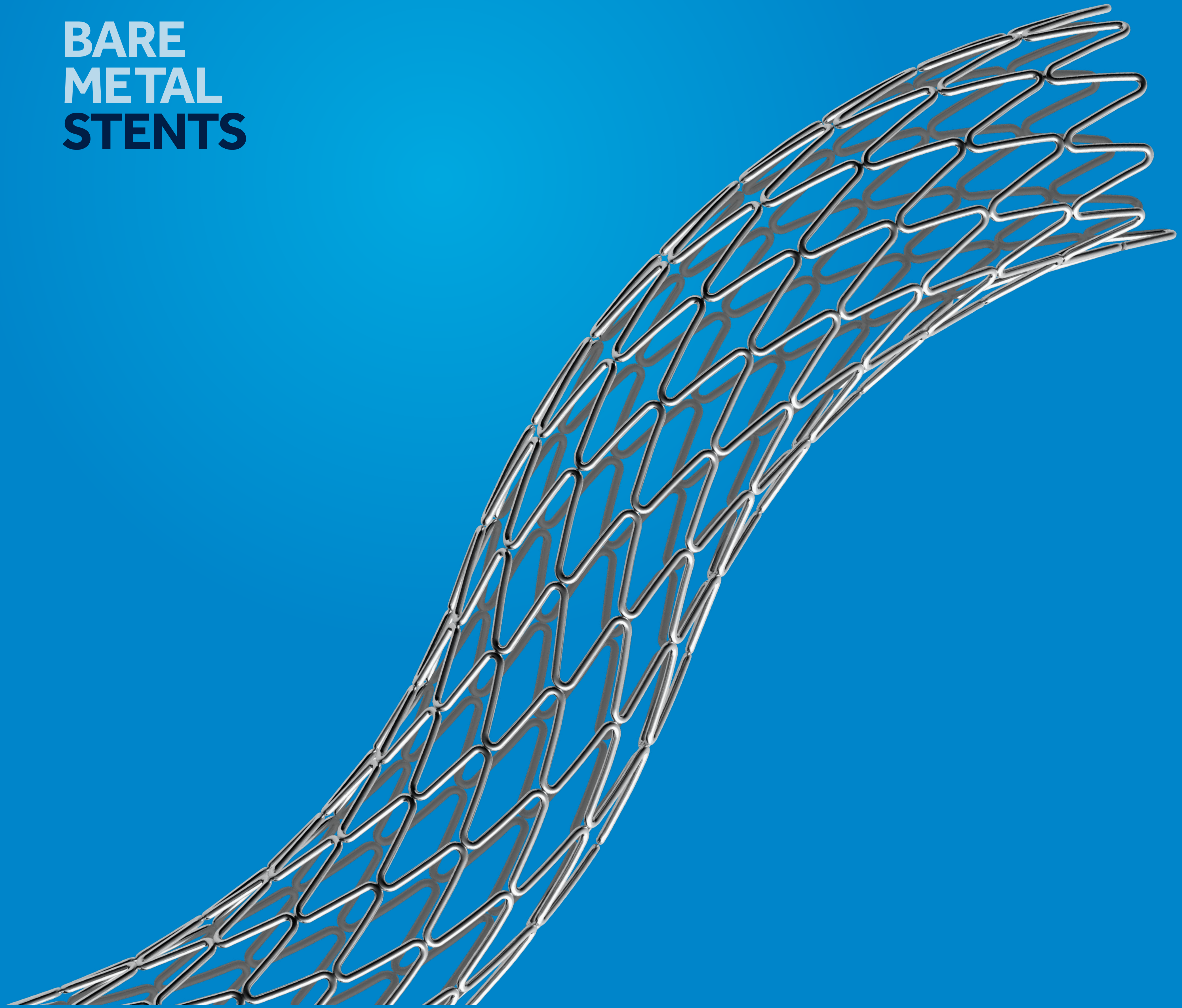
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BARE METAL STENTS





CORONARY STENTS

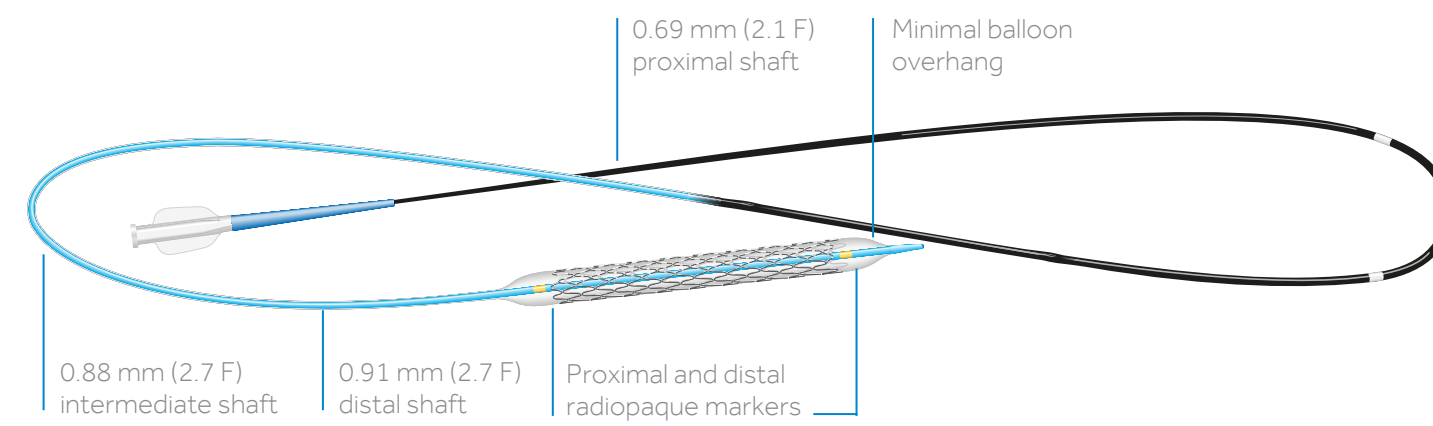
Integrity™ Bare-Metal Rapid Exchange Coronary Stent System

GENERAL CHARACTERISTICS

* Supplied sterile • Items per box: 1

PRODUCT DESCRIPTION

The Integrity™ Bare-Metal Rapid Exchange Coronary Stent System is a low-profile advanced cobalt alloy stent manufactured using Continuous Sinusoid Technology and mounted on the extended-pressure, semi-compliant, rapid exchange MicroTrac delivery system with a low-profile exchange joint for 6 F KBT and 7 F KST compatibility and an enhanced tip design.



INTEGRITY RAPID EXCHANGE CORONARY STENT SYSTEM

| PRODUCT CODE | STENT DIAMETER (MM) | STENT LENGTH (MM) | PRODUCT CODE | STENT DIAMETER (MM) | STENT LENGTH (MM) |
|--------------|---------------------|-------------------|--------------|---------------------|-------------------|
| INT22508X | 2.25 | 8 | INT30009X | 3.00 | 9 |
| INT22512X | 2.25 | 12 | INT30012X | 3.00 | 12 |
| INT22514X | 2.25 | 14 | INT30015X | 3.00 | 15 |
| INT22518X | 2.25 | 18 | INT30018X | 3.00 | 18 |
| INT22522X | 2.25 | 22 | INT30022X | 3.00 | 22 |
| INT22526X | 2.25 | 26 | INT30026X | 3.00 | 26 |
| INT22530X | 2.25 | 30 | INT30030X | 3.00 | 30 |
| INT25008X | 2.50 | 8 | INT35009X | 3.50 | 9 |
| INT25012X | 2.50 | 12 | INT35012X | 3.50 | 12 |
| INT25014X | 2.50 | 14 | INT35015X | 3.50 | 15 |
| INT25018X | 2.50 | 18 | INT35018X | 3.50 | 18 |
| INT25022X | 2.50 | 22 | INT35022X | 3.50 | 22 |
| INT25026X | 2.50 | 26 | INT35026X | 3.50 | 26 |
| INT25030X | 2.50 | 30 | INT35030X | 3.50 | 30 |
| INT27508X | 2.75 | 8 | INT40009X | 4.00 | 9 |
| INT27512X | 2.75 | 12 | INT40012X | 4.00 | 12 |
| INT27514X | 2.75 | 14 | INT40015X | 4.00 | 15 |
| INT27518X | 2.75 | 18 | INT40018X | 4.00 | 18 |
| INT27522X | 2.75 | 22 | INT40022X | 4.00 | 22 |
| INT27526X | 2.75 | 26 | INT40026X | 4.00 | 26 |
| INT27530X | 2.75 | 30 | INT40030X | 4.00 | 30 |

COMPLIANCE DATA

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

| Nominal pressure | Rated burst pressure ¹ | Maximum Stent I.D. ² |
|------------------|-----------------------------------|---------------------------------|
|------------------|-----------------------------------|---------------------------------|

1. Do not exceed rated burst pressure.
 2. 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.

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

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12. RENAL DENERVATION

BALLOON DILATATION CATHETERS





BALLOON DILATATION CATHETERS

Solarice™ Semicompliant Balloon Dilatation Catheter

GENERAL CHARACTERISTICS

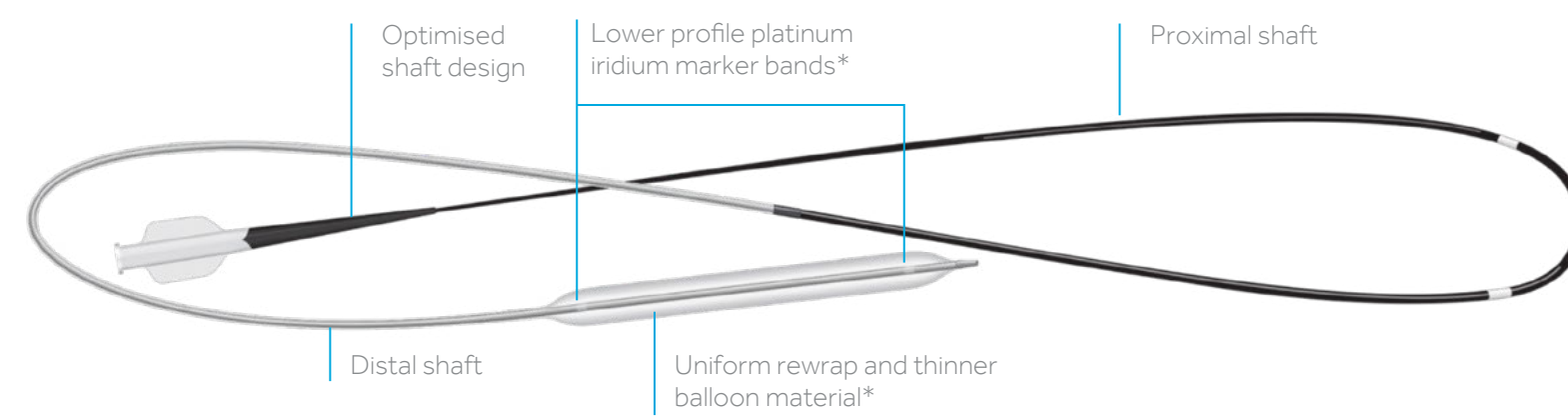
• Supplied sterile • Items per box: 1

PRODUCT DESCRIPTION

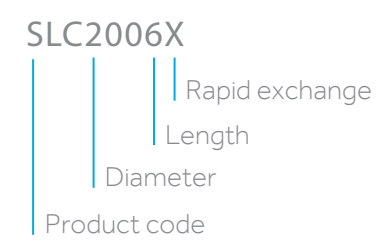
From material to design, every Solarice™ balloon component was developed to provide enhanced deliverability with improved pushability and crossability

FEATURES

- Thin balloon material
- Uniform rewrap
- Low profile platinum iridium marker bands
- Optimized shaft design



PRODUCT CODE



SIZE MATRIX

| BALLOON DIAMETER (MM) | BALLOON LENGTH (MM) | | | | | | |
|-----------------------|---------------------|-----------|-----------|-----------|-----------|-----------|----------|
| | 06 | 10 | 12 | 15 | 20 | 25 | 30 |
| 1.50 | SLC1506X | SLC1510X | SLC1512X | SLC1515X | SLC1520X | — | — |
| 2.00 | SLC2006X | SLC2010X | SLC2012X | SLC2015X | SLC2020X | SLC2025X | SLC2030X |
| 2.25 | SLC22506X | SLC22510X | SLC22512X | SLC22515X | SLC22520X | SLC22525X | — |
| 2.50 | SLC2506X | SLC2510X | SLC2512X | SLC2515X | SLC2520X | SLC2525X | SLC2530X |
| 2.75 | SLC27506X | — | SLC27512X | SLC27515X | SLC27520X | SLC27525X | — |
| 3.00 | SLC3006X | SLC3010X | SLC3012X | SLC3015X | SLC3020X | SLC3025X | SLC3030X |
| 3.25 | — | — | SLC32512X | SLC32515X | SLC32520X | — | — |
| 3.50 | SLC3506X | SLC3510X | SLC3512X | SLC3515X | SLC3520X | SLC3525X | SLC3530X |
| 3.75 | — | — | SLC37512X | SLC37515X | SLC37520X | — | — |
| 4.00 | SLC4006X | SLC4010X | SLC4012X | SLC4015X | SLC4020X | SLC4025X | SLC4030X |

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 pressure¹ Rated burst pressure²

1. Nominal pressure: the pressure at which the balloon approximates its labeled diameter
2. Rated burst pressure: the maximum pressure to which a balloon is designed to be inflated – do not exceed.

TECHNICAL INFORMATION

| | | |
|--|---|------------------------------------|
| Catheter length | 142 cm | |
| Platinum iridium marker bands | 1.50 mm 2.00 – 4.00 mm | Single Double |
| Coating | Selective Dura-Trac | |
| Balloon material | Fulcrum™ Lite | |
| MiniWrap | 1.50 mm 2.00-3.50 mm 3.75 – 4.00 mm | 2 folds 3 folds 5 folds |
| Shaft dimensions For 1.50 – 3.50 mm | Proximal Distal | 0.69 mm (2.1 F) 0.84 mm (2.5 F) |
| Shaft dimensions For 3.75 – 4.00 mm | Proximal Distal | 0.69 mm (2.1 F) 0.91 mm (2.7 F) |
| MGCID | For 1.50-4.00 mm balloon | 1.42 mm/0.056 in. |
| Nominal pressure atm | 8 | |
| Rated burst pressure (RBP) atm | 14 | |
| Cycles to RBP | 10 | |
| Lesion entry profile | 0.016 in. | |

*Comparison between Solarice™ and Sprinter™ Legend™ 2.50 mm x 15 mm balloons. Bench test data may not be indicative of clinical performance.

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



BALLOON DILATATION CATHETERS

NC Solarice™ Noncompliant Balloon Dilatation Catheter

GENERAL CHARACTERISTICS

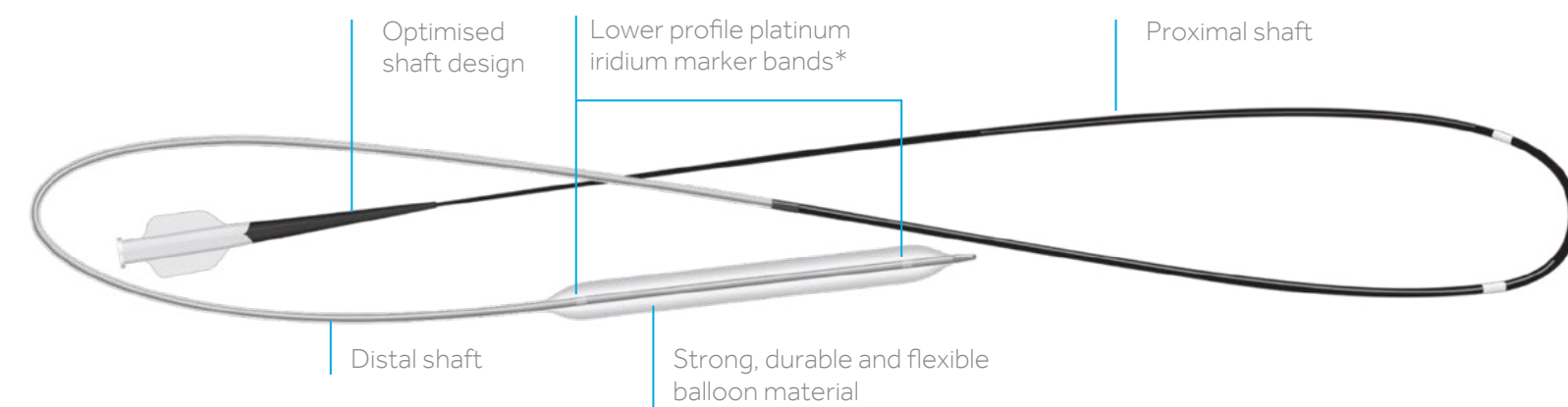
• Supplied sterile • Items per box: 1

PRODUCT DESCRIPTION

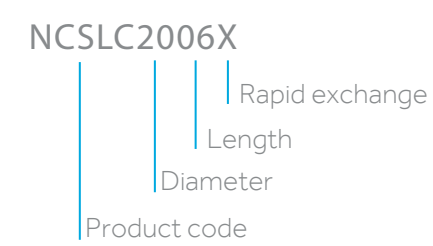
From material to design, every NC Solarice™ balloon component was developed to provide low growth profile with enhanced pushability and trackability

FEATURES

- Strong, durable and flexible balloon material
- Low profile platinum iridium marker bands
- Optimized shaft design



PRODUCT CODE



SIZE MATRIX

| BALLOON DIAMETER (MM) | BALLOON LENGTH (MM) | | | | | |
|-----------------------|---------------------|-------------|-------------|-------------|-------------|------------|
| | 06 | 08 | 12 | 15 | 20 | 27 |
| 2.00 | NCSLC2006X | NCSLC2008X | NCSLC2012X | NCSLC2015X | NCSLC2020X | — |
| 2.25 | NCSLC22506X | — | NCSLC22512X | — | NCSLC22520X | — |
| 2.50 | NCSLC2506X | NCSLC2508X | NCSLC2512X | NCSLC2515X | NCSLC2520X | NCSLC2527X |
| 2.75 | NCSLC27506X | NCSLC27508X | NCSLC27512X | NCSLC27515X | NCSLC27520X | — |
| 3.00 | NCSLC3006X | NCSLC3008X | NCSLC3012X | NCSLC3015X | NCSLC3020X | NCSLC3027X |
| 3.25 | NCSLC32506X | NCSLC32508X | NCSLC32512X | NCSLC32515X | NCSLC32520X | — |
| 3.50 | NCSLC3506X | NCSLC3508X | NCSLC3512X | NCSLC3515X | NCSLC3520X | NCSLC3527X |
| 3.75 | NCSLC37506X | NCSLC37508X | NCSLC37512X | NCSLC37515X | NCSLC37520X | — |
| 4.00 | NCSLC4006X | NCSLC4008X | NCSLC4012X | NCSLC4015X | NCSLC4020X | NCSLC4027X |
| 4.50 | — | NCSLC4508X | NCSLC4512X | NCSLC4515X | NCSLC4520X | — |
| 5.00 | — | NCSLC5008X | NCSLC5012X | NCSLC5015X | — | — |

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 | — | 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 pressure¹ Rated burst pressure²

1. Nominal pressure: the pressure at which the balloon approximates its labeled diameter
2. Rated burst pressure: the maximum pressure to which a balloon is designed to be inflated – do not exceed.

TECHNICAL INFORMATION

| | | |
|--|--|--|
| Catheter length | 142 cm | |
| Platinum iridium marker bands | 2.00 – 5.00 mm | Double |
| Coating | Selective Dura-Trac | |
| Balloon material | Proprietary nylon-based | |
| MiniWrap | 2.00 – 3.75 mm 4.00 – 5.00 mm | 3 folds 5 folds |
| Shaft dimensions For 2.00 – 3.75 mm | Proximal Distal | 0.69 mm (2.1 F) 0.84 mm (2.5 F) |
| Shaft dimensions For 4.00 – 5.00 mm | Proximal Distal | 0.69 mm (2.1 F) 0.91 mm (2.7 F) |
| MGCID | 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. |
| Nominal pressure, atm | 12 | |
| Rated burst pressure (RBP), atm | 20 | |
| Cycles to RBP | 20 | |
| Lesion entry profile | 0.015 in. | |

PORTFOLIO

1. DRUG ELUTING STENTS

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3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



BALLOON DILATATION CATHETERS

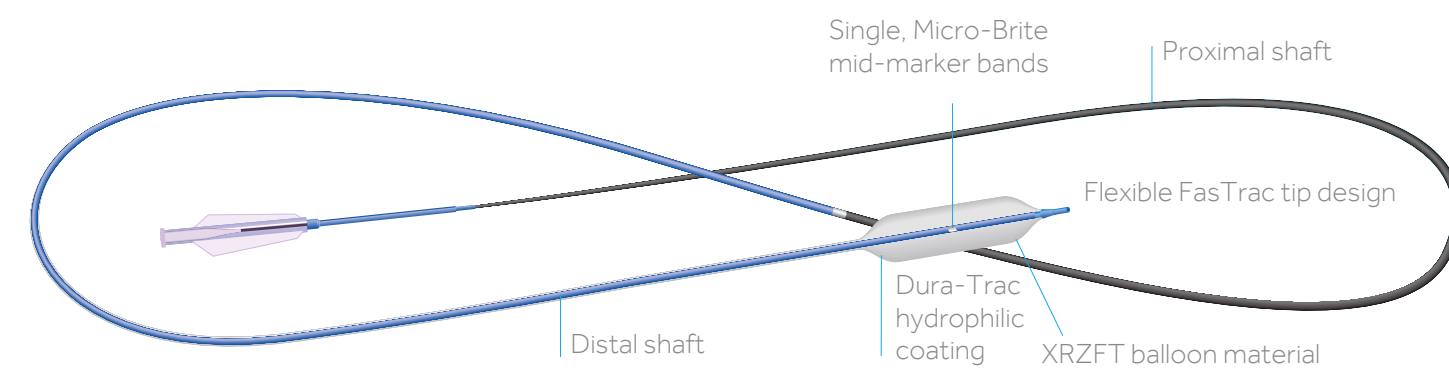
Sprinter Legend™ RX 1.25 mm Semicompliant Rapid Exchange Balloon Dilatation Catheter

GENERAL CHARACTERISTICS

• Supplied sterile • Items per box: 1

PRODUCT DESCRIPTION

The Sprinter Legend™ RX 1.25 mm semicompliant rapid exchange balloon dilatation catheter, with its SuperCROSSER Zerofold Technology, (no balloon wrap or shoulders) helps provide your best chance at crossing even the most difficult lesions

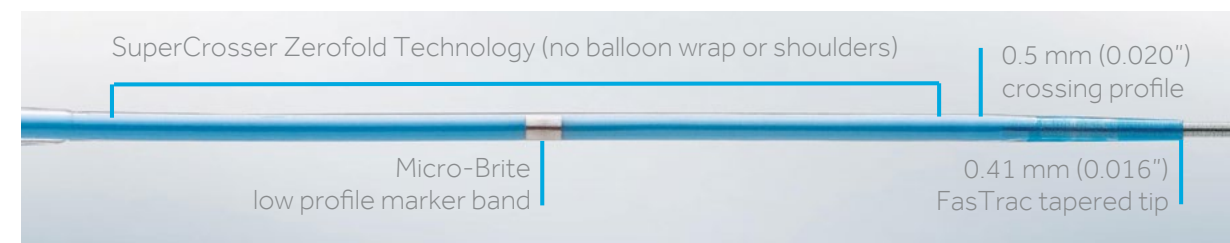
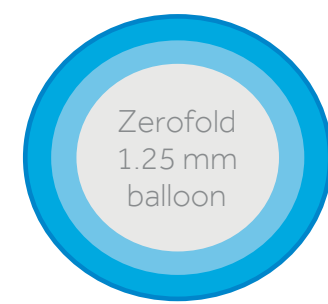


FEATURES

- 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. Expands from a straight tube into a balloon
- No balloon shoulders,¹ Facilitates balloon passage through the lesion

COMPLIANCE DATA

| PRESSURE KPA (ATM) | BALLOON DIAMETER 1.25 |
|---|-----------------------|
| 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 & Rated burst pressure | |



ORDERING INFORMATION

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

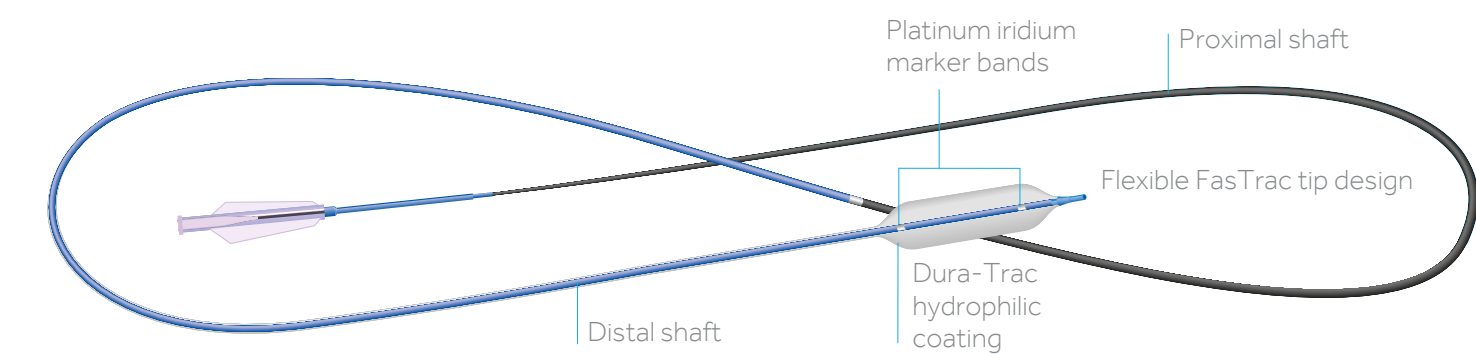
Sprinter Legend™ RX Semicompliant Rapid Exchange Balloon Dilatation Catheter

GENERAL CHARACTERISTICS

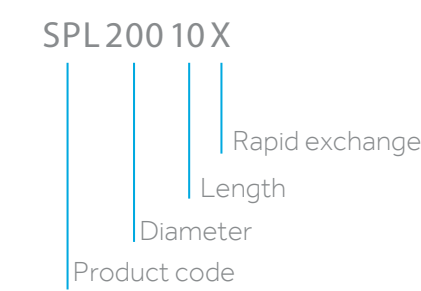
• Supplied sterile • Items per box: 1

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 and maximise your success in treating patients



PRODUCT CODE



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 |

¹ Test data on file at Medtronic, Inc. Best-in-class profiles based on distal balloon shoulder outer diameter vs. key competitors. Bench test data may not be indicative of clinical results.
 Test data on file at Medtronic, Inc. Bench testing not necessarily indicative of clinical performance.
 Nominal pressure: the pressure at which the balloon reaches its labeled diameter. 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).

PORTFOLIO

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2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

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6. SUPPORT CATHETER

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8. ASPIRATION CATHETERS

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10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



BALLOON DILATATION CATHETERS

Sprinter Legend™ RX Semicompliant Rapid Exchange Balloon Dilatation Catheter

GENERAL CHARACTERISTICS

• Supplied sterile • Items per box: 1

COMPLIANCE DATA

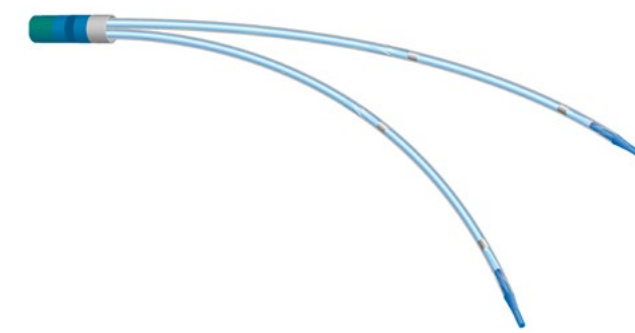
| PRESSURE KPA(ATM) | BALLOON DIAMETER (MM) | | | | | | | | | | |
|-------------------|-----------------------|------|------|------|------|------|------|------|------|------|------|
| | 1.25 | 1.50 | 2.00 | 2.25 | 2.50 | 2.75 | 3.00 | 3.25 | 3.50 | 3.75 | 4.00 |
| 405 (4) | 0.60 | 1.36 | — | — | — | — | — | — | — | — | — |
| 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 ¹ | Rated burst pressure ² | Nominal pressure & rated burst pressure |
|-------------------------------|-----------------------------------|---|
| 1.20 | 1.70 | 1.20/1.70 |

1. Nominal pressure: the pressure at which the balloon approximates its labeled diameter
2. Rated burst pressure: the maximum pressure to which a balloon is designed to be inflated – do not exceed.

TECHNICAL INFORMATION

| | |
|-----------------------------------|---------------------------|
| Catheter length (cm) | 142 |
| Distal shaft length (cm) | 21 |
| Platinum iridium marker bands | |
| 1.25-1.50 mm | Single |
| 2.00-4.00 mm | Double |
| Coating | Selective Dura-Trac |
| MiniWrap | |
| 1.25 mm | Zero Fold |
| 1.50 mm | 2 folds |
| 2.00 mm-3.75mm | 3 folds |
| 4.00 mm | 5 folds |
| Shaft dimensions for 1.25-3.5mm | |
| Proximal | 1.9F |
| Distal | 2.4F/2.6F |
| Shaft dimensions for 3.75-4.00 mm | |
| Proximal | 1.9F |
| Distal | 2.5F/2.7F |
| MGCID | 1.4 mm/0.056" (1.25-3.50) |



Sprinter Legend™ 1.25 OTW Semi-compliant Balloon Dilatation Catheter

GENERAL CHARACTERISTICS

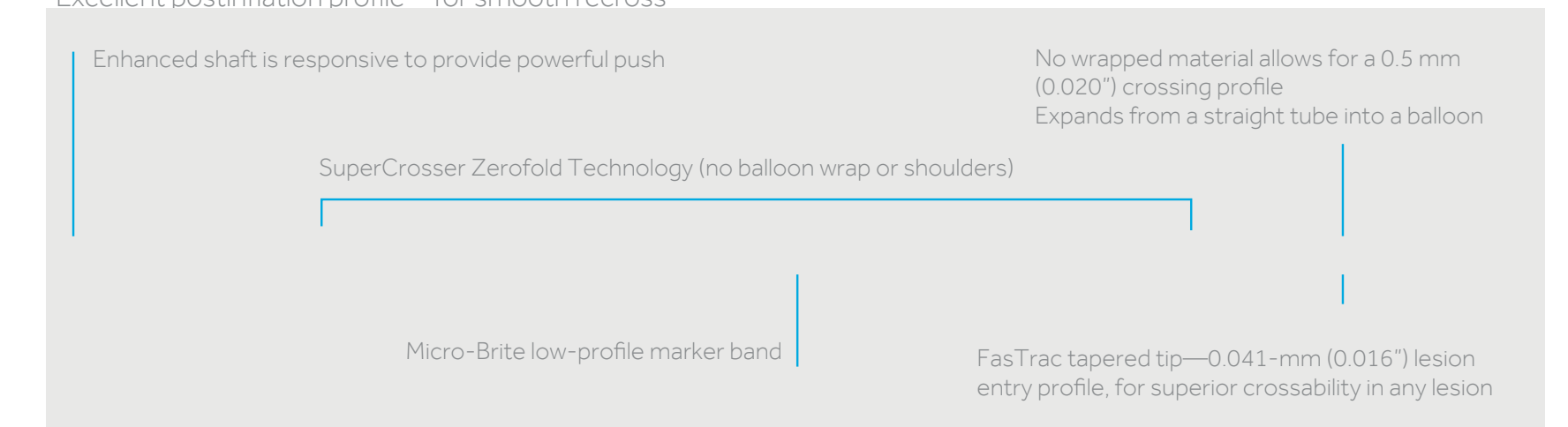
• Supplied sterile • Items per box: 1

PRODUCT DESCRIPTION

Sprinter Legend™ 1.25 OTW semicompliant balloon is designed to maximise your chances for a successful outcome on highly complex, challenging and tightly occluded lesions.

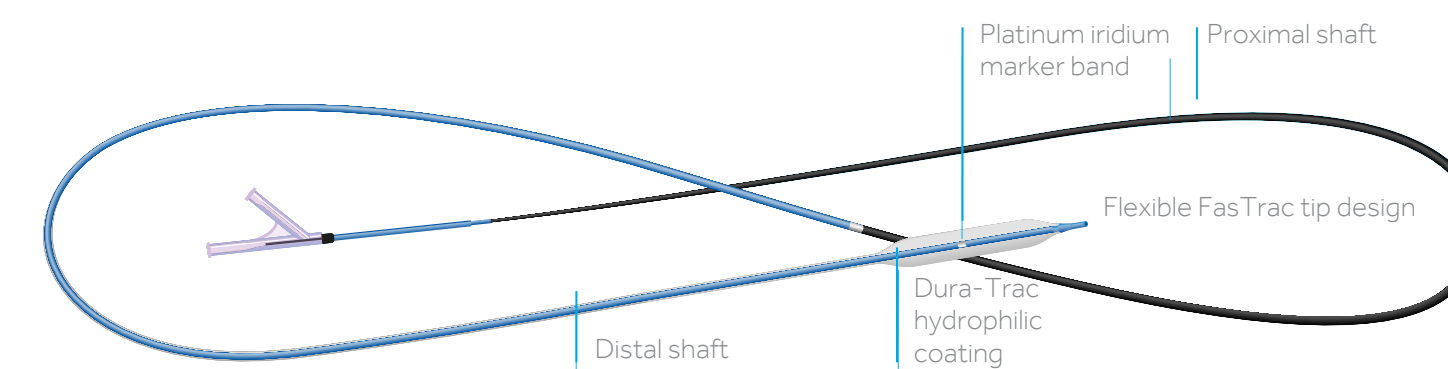
FEATURES

- Superb push and track—for easier lesion access
- 152-cm catheter length—to facilitate extended vasculature
- Ultralow crossing profiles—for advanced lesion crossing
- Excellent postinflation profile—for smooth recross



PRODUCT CODE

SPL 125 10 WL
Over the wire
Length
Diameter
Product code



TECHNICAL INFORMATION

| | |
|----------------------------------|---------------------------|
| Catheter length (cm) | 152 |
| Distal shaft length (cm) | 22.5 |
| Platinum iridium marker band | |
| 1.25mm | single |
| Coating | Selective Dura-Trac |
| SuperCROSSER ZeroFold technology | |
| Shaft dimensions | |
| Proximal | 3.2F |
| Distal | 2.4F/2.6F |
| MGCID | 1.42 mm/0.056" |
| Crossing profile | 1.25 MM 0.5 mm (0.020 in) |

ORDERING INFORMATION

| BALLOON DIAMETER (MM) | BALLOON LENGTH (MM) | | | |
|-----------------------|---------------------|------------|------------|------------|
| | 6 | 10 | 15 | 20 |
| 1.25 | SPL12506WL | SPL12510WL | SPL12515WL | SPL12520WL |

COMPLIANCE DATA

| PRESSURE KPA (ATM) | BALLOON DIAMETER 1.25 |
|---|-----------------------|
| 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 |
| 1621 (16) | |
| Nominal pressure & rated burst pressure | |

* 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. Test data on file at Medtronic, Inc.

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



BALLOON DILATATION CATHETERS

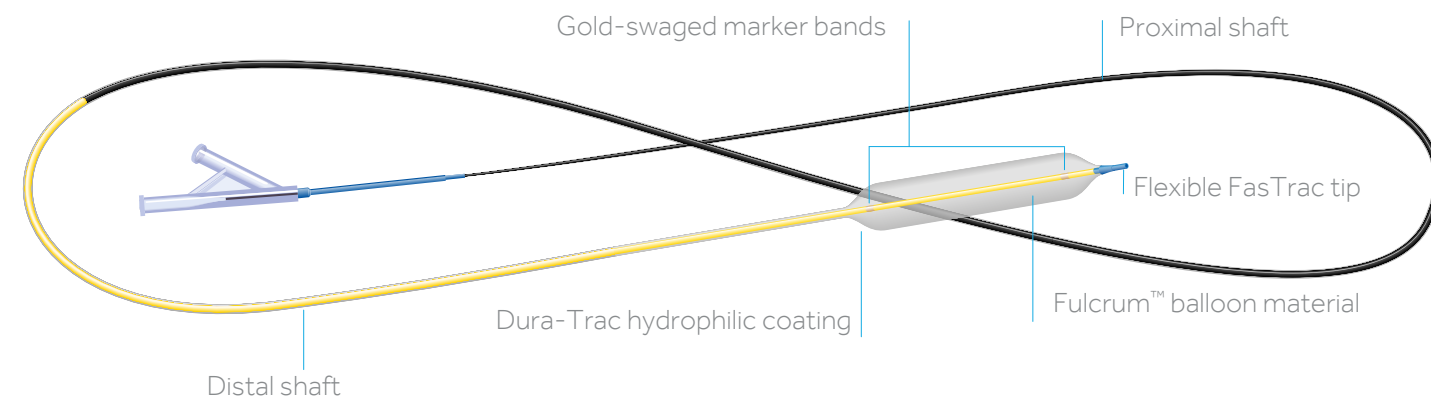
Sprinter™ OTW Semi-compliant Over-the-Wire Balloon Dilatation Catheter

GENERAL CHARACTERISTICS

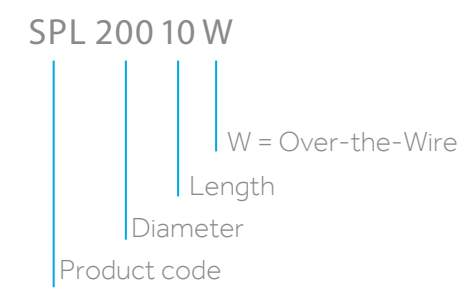
• Supplied sterile • Items per box: 1

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 and maximise your success in treating patients.



PRODUCT CODE



ORDERING INFORMATION

| BALLOON DIAMETER (MM) | BALLOON LENGTH (MM) | | | | | | |
|-----------------------|---------------------|-----------|-----------|-----------|-----------|----------|----------|
| | 6 | 10 | 12 | 15 | 20 | 25 | 30 |
| 1.50 | SPR15006W | SPR15010W | SPR15012W | SPR15015W | SPR15020W | — | — |
| 2.00 | SPR20006W | SPR20010W | SPR20012W | SPR20015W | SPR20020W | SPR2025W | SPR2030W |
| 2.25 | SPR22506W | SPR22510W | SPR22512W | SPR22515W | SPR22520W | — | — |
| 2.50 | SPR25006W | SPR25010W | SPR25012W | SPR25015W | SPR25020W | SPR2525W | SPR2530W |
| 2.75 | SPR27506W | — | SPR27512W | SPR27515W | SPR27520W | — | — |
| 3.00 | SPR30006W | SPR30010W | SPR30012W | SPR30015W | SPR30020W | SPR3025W | SPR3030W |
| 3.25 | — | — | SPR32512W | SPR32515W | SPR32520W | — | — |
| 3.50 | SPR35006W | SPR35010W | SPR35012W | SPR35015W | SPR35020W | SPR3525W | SPR3530W |
| 3.75 | — | — | SPR37512W | SPR37515W | SPR37520W | — | — |
| 4.00 | SPR40006W | SPR40010W | SPR40012W | SPR40015W | SPR40020W | SPR4025W | SPR4030W |

COMPLIANCE DATA

| BALLOON DIAMETER (MM) | BALLOON LENGTH (MM) | | | | | | |
|-----------------------|---------------------|----------|-----------|-----------|-----------|----------|----------|
| | 6 | 10 | 12 | 15 | 20 | 25 | 30 |
| 1.50 | SPR1506W | SPR1512W | SPR1512W | SPR1515W | SPR1520W | — | — |
| 2.00 | SPR2006W | SPR2010W | SPR2012W | SPR2015W | SPR2020W | SPR2025W | SPR2030W |
| 2.25 | SPR22506W | — | SPR22512W | SPR22520W | 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 | — | — | SPR32515W | SPR32515W | SPR32520W | — | — |
| 3.50 | SPR3506W | SPR3510W | SPR3512W | SPR3515W | SPR3520W | SPR3525W | SPR3530W |
| 3.75 | — | — | SPR37512W | SPR37515W | SPR37520W | — | — |
| 4.00 | SPR4006W | SPR4010W | SPR4015W | SPR4015W | SPR4020W | SPR4025W | SPR4030W |

1. Nominal pressure: the pressure at which the balloon approximates its labeled diameter
2. Rated burst pressure: the maximum pressure to which a balloon is designed to be inflated – do not exceed.

TECHNICAL INFORMATION

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

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

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8. ASPIRATION CATHETERS

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12. RENAL DENERVATION



BALLOON DILATATION CATHETERS

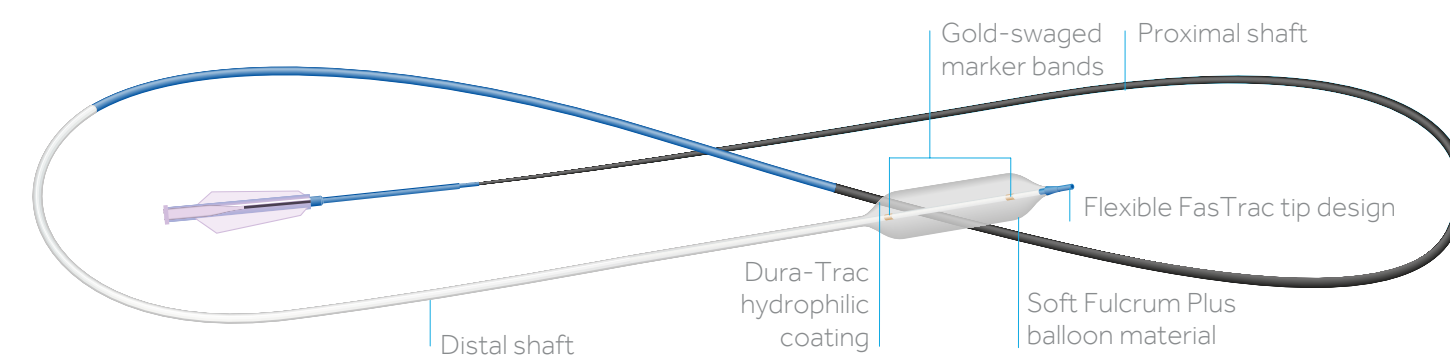
NC Sprinter™ Noncompliant Rapid Exchange Balloon Dilatation Catheter

GENERAL CHARACTERISTICS

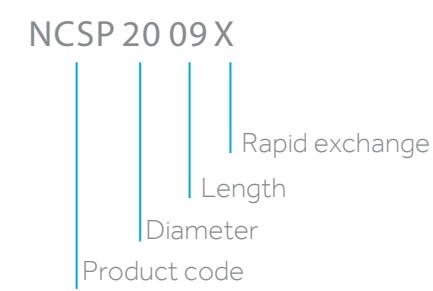
* Supplied sterile • Items per box: 1

PRODUCT DESCRIPTION

The NC Sprinter™ noncompliant rapid exchange balloon dilatation catheter combines proven Sprinter technology with the high-pressure capability and controlled expansion of a noncompliant balloon—performance for optimal stenting results.



PRODUCT CODE



ORDERING INFORMATION

| BALLOON DIAMETER (MM) | BALLOON LENGTH (MM) | | | | | |
|-----------------------|---------------------|------------|------------|------------|------------|-----------|
| | 6 | 9 | 12 | 15 | 21 | 27 |
| 2.00 | NCSP2006X | NCSP2009X | NCSP2012X | NCSP2015X | NCSP2021X | — |
| 2.25 | NCSP22506X | — | NCSP22512X | — | NCSP22521X | — |
| 2.50 | NCSP2506X | NCSP2509X | NCSP2512X | NCSP2515X | NCSP2521X | NCSP2527X |
| 2.75 | NCSP27506X | NCSP27509X | NCSP27512X | NCSP27515X | NCSP27521X | — |
| 3.00 | NCSP3006X | NCSP3009X | NCSP3012X | NCSP3015X | NCSP3021X | NCSP3027X |
| 3.25 | NCSP32506X | NCSP32509X | NCSP32512X | NCSP32515X | NCSP32521X | — |
| 3.50 | NCSP3506X | NCSP3509X | NCSP3512X | NCSP3515X | NCSP3521X | NCSP3527X |
| 3.75 | NCSP37506X | NCSP37509X | NCSP37512X | NCSP37515X | NCSP37521X | — |
| 4.00 | NCSP4006X | NCSP4009X | NCSP4012X | NCSP4015X | NCSP4021X | NCSP4027X |
| 4.50 | — | — | — | NCSP4515X | NCSP4521X | — |
| 5.00 | — | — | — | NCSP5015X | — | — |

COMPLIANCE DATA

| PRESSURE KPA (ATM) | 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 |
| 811 (8) | 1.98 | 2.17 | 2.45 | 2.70 | 2.97 | 3.09 | 3.36 | 3.62 | 3.87 | 4.27 | 4.75 |
| 912 (9) | 2.00 | 2.20 | 2.49 | 2.74 | 3.01 | 3.15 | 3.42 | 3.68 | 3.93 | 4.34 | 4.84 |
| 1013 (10) | 2.02 | 2.23 | 2.51 | 2.77 | 3.04 | 3.18 | 3.45 | 3.72 | 3.97 | 4.39 | 4.91 |
| 1115 (11) | 2.03 | 2.24 | 2.53 | 2.80 | 3.07 | 3.22 | 3.49 | 3.76 | 4.01 | 4.44 | 4.97 |
| 1216 (12) | 2.05 | 2.26 | 2.55 | 2.82 | 3.10 | 3.25 | 3.52 | 3.79 | 4.05 | 4.48 | 5.01 |
| 1317 (13) | 2.07 | 2.28 | 2.57 | 2.84 | 3.13 | 3.28 | 3.55 | 3.82 | 4.08 | 4.51 | 5.06 |
| 1419 (14) | 2.08 | 2.30 | 2.58 | 2.87 | 3.15 | 3.31 | 3.58 | 3.85 | 4.11 | 4.55 | 5.10 |
| 1520 (15) | 2.10 | 2.32 | 2.60 | 2.89 | 3.18 | 3.33 | 3.61 | 3.88 | 4.15 | 4.58 | 5.14 |
| 1621 (16) | 2.12 | 2.33 | 2.62 | 2.91 | 3.20 | 3.36 | 3.63 | 3.90 | 4.18 | 4.61 | 5.18 |
| 1723 (17) | 2.13 | 2.36 | 2.63 | 2.93 | 3.23 | 3.39 | 3.65 | 3.93 | 4.22 | 4.65 | 5.22 |
| 1824 (18) | 2.15 | 2.38 | 2.65 | 2.95 | 3.26 | 3.41 | 3.68 | 3.96 | 4.25 | 4.68 | 5.26 |
| 1925 (19) | 2.17 | 2.40 | 2.66 | 2.98 | 3.29 | 3.44 | 3.71 | 3.99 | 4.29 | 4.72 | 5.30 |
| 2026 (20) | 2.19 | 2.42 | 2.68 | 3.00 | — | 3.47 | 3.73 | 4.02 | — | 4.76 | — |
| 2128 (21) | 2.21 | 2.44 | 2.70 | 3.03 | — | 3.50 | 3.77 | 4.05 | — | 4.80 | — |
| 2229 (22) | 2.23 | 2.46 | 2.72 | 3.05 | — | 3.53 | — | 4.08 | — | 4.84 | — |

Nominal pressure¹ Rated burst pressure²

1. Nominal pressure: the pressure at which the balloon approximates its labeled diameter
2. Rated burst pressure: the maximum pressure to which a balloon is designed to be inflated – do not exceed.

TECHNICAL INFORMATION

| | |
|------------------------------------|-----------------------------|
| Catheter length | 142 cm |
| Gold-swaged marker bands | 2.00 - 5.00mm |
| Coating | Selective Dura-Trac |
| Balloon material | Soft Fulcrum Plus |
| MiniWrap | 2.00mm - 3.75mm |
| | 3 folds |
| | 4.00mm - 5.00mm |
| | 5 folds |
| Shaft dimensions for 2.00 - 3.75mm | |
| Proximal | 0.65 mm (1.9F) |
| Distal | 0.81 mm/0.86 mm (2.4F/2.6F) |
| Shaft dimensions for 4.00 - 5.00mm | |
| Proximal | 0.65 mm (1.9F) |
| Distal | 1.02 mm (3.0F) |
| MGCID | |
| 2.00mm - 4.00mm | 1.42 mm/.056" |
| 4.50mm - 5.00mm | 1.68 mm/.066" |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



PORTFOLIO

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6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

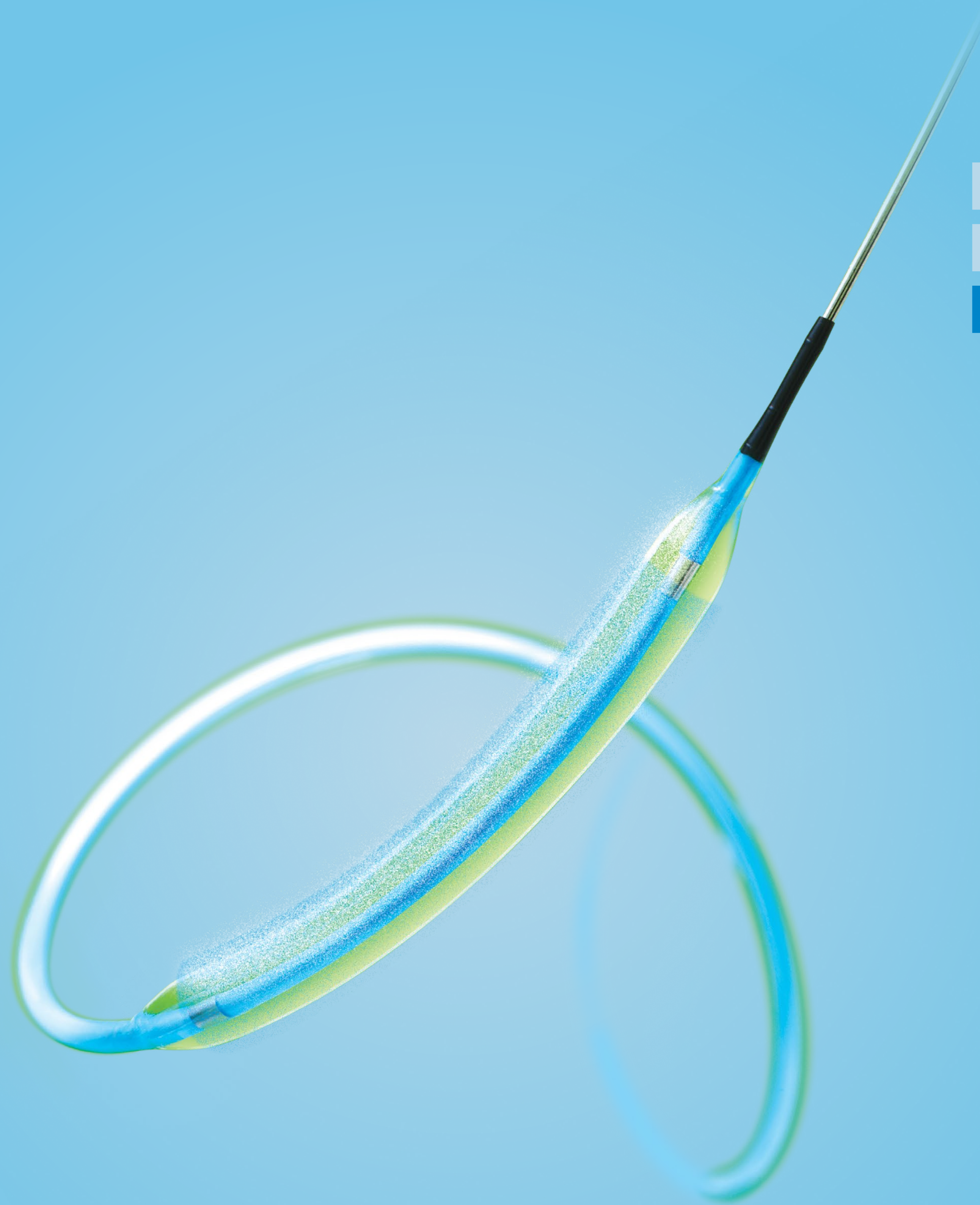
9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION

DRUG ELUTING BALLOONS





DRUG ELUTING BALLOONS

In.Pact Falcon™ Paclitaxel-Eluting Coronary Balloon Catheter

GENERAL CHARACTERISTICS

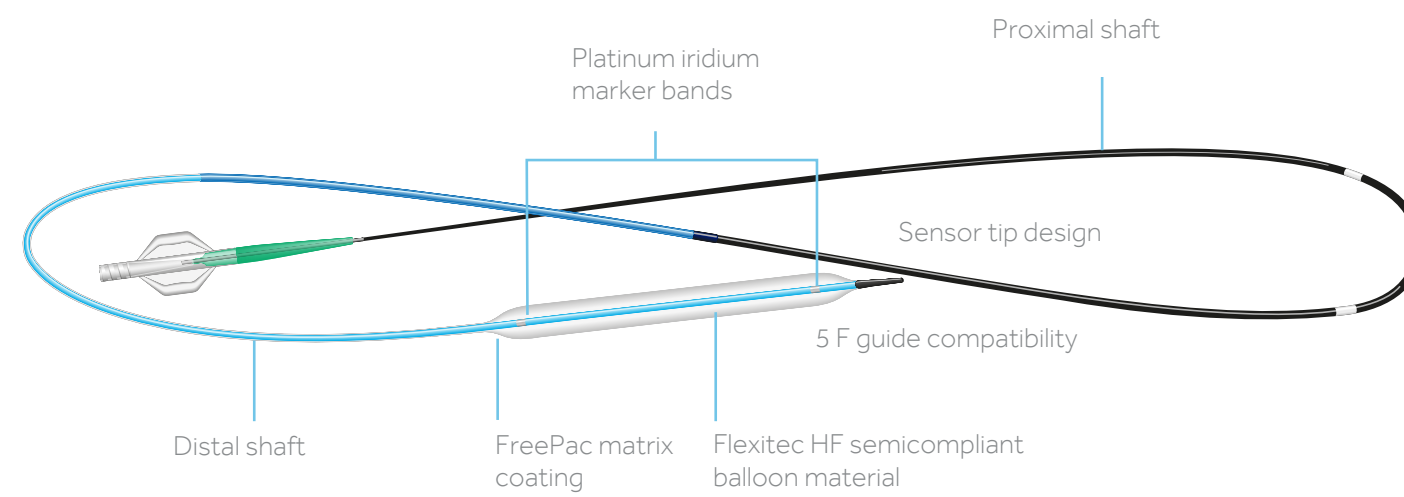
• Supplied sterile; items per box: 1

PRODUCT DESCRIPTION

The balloon's unique FreePac coating combines urea and paclitaxel molecules into a compound that provides increased drug solubility and optimal diffusion into the vessel wall, short-term drug delivery and continued antirestenotic protection.

FEATURES

- Paclitaxel drug
- Urea drug carrier
- Falcon™ Bravo semi-compliant balloon



PRODUCT CODE

FLC P20 014 B12
 |
 | Length
 | Diameter
 | Product code
 Semi-compliant construction

ORDERING INFORMATION

| BALLOON DIAMETER (MM) | BALLOON LENGTH (MM) | | | |
|-----------------------|---------------------|-----------------|-----------------|-----------------|
| | 14 | 20 | 30 | 40 |
| 2.00 | FLC P20 014 B12 | FLC P20 020 B12 | FLC P20 030 B12 | — |
| 2.25 | FLC P22 014 B12 | FLC P22 020 B12 | FLC P22 030 B12 | — |
| 2.50 | FLC P25 014 B12 | FLC P25 020 B12 | FLC P25 030 B12 | FLC P25 040 B12 |
| 2.75 | FLC P27 014 B12 | FLC P27 020 B12 | FLC P27 030 B12 | — |
| 3.00 | FLC P30 014 B12 | FLC P30 020 B12 | FLC P30 030 B12 | FLC P30 040 B12 |
| 3.25 | FLC P32 014 B12 | FLC P32 020 B12 | FLC P32 030 B12 | — |
| 3.50 | FLC P35 014 B12 | FLC P35 020 B12 | FLC P35 030 B12 | FLC P35 040 B12 |
| 3.75 | FLC P37 014 B12 | FLC P37 020 B12 | FLC P37 030 B12 | — |
| 4.00 | FLC P40 014 B12 | FLC P40 020 B12 | — | — |

COMPLIANCE DATA

| PRESSURE KPA (ATM) | BALLOON LENGTH (MM) | | | | | | | | |
|--------------------|---------------------|------|------|------|------|------|------|------|------|
| | 2.00 | 2.25 | 2.50 | 2.75 | 3.00 | 3.25 | 3.50 | 3.75 | 4.00 |
| 507 (5) | 1.90 | 2.15 | 2.40 | 2.65 | 2.90 | 3.15 | 3.40 | 3.65 | 3.90 |
| 608 (6) | 1.95 | 2.20 | 2.45 | 2.70 | 2.95 | 3.20 | 3.45 | 3.70 | 3.95 |
| 709 (7) | 2.00 | 2.25 | 2.50 | 2.75 | 3.00 | 3.25 | 3.50 | 3.75 | 4.35 |
| 811 (8) | 2.02 | 2.27 | 2.52 | 2.78 | 3.03 | 3.28 | 3.54 | 3.80 | 4.05 |
| 912 (9) | 2.04 | 2.29 | 2.54 | 2.82 | 3.07 | 3.32 | 3.58 | 3.85 | 4.10 |
| 1013 (10) | 2.06 | 2.31 | 2.57 | 2.86 | 3.11 | 3.36 | 3.62 | 3.90 | 4.15 |
| 1115 (11) | 2.08 | 2.34 | 2.60 | 2.90 | 3.15 | 3.40 | 3.66 | 3.95 | 4.20 |
| 1216 (12) | 2.11 | 2.37 | 2.63 | 2.94 | 3.19 | 3.45 | 3.70 | 4.00 | 4.25 |
| 1317 (13) | 2.14 | 2.40 | 2.67 | 2.98 | 3.23 | 3.50 | 3.75 | 4.05 | 4.30 |
| 1419 (14) | 2.17 | 2.43 | 2.71 | 3.02 | 3.27 | 3.55 | 3.80 | 4.10 | 4.35 |
| 1520 (15) | 2.20 | 2.46 | 2.75 | 3.06 | 3.31 | 3.60 | 3.85 | 4.15 | 4.40 |
| 1621 (16) | 2.23 | 2.50 | 2.80 | — | — | — | — | — | — |
| 1723 (17) | 2.26 | — | — | — | — | — | — | — | — |

| Nominal pressure | Rated burst pressure ¹ |
|------------------|-----------------------------------|
| — | — |

1. Do not exceed rated burst pressure. Test data on file at Medtronic, Inc.

TECHNICAL INFORMATION

| | |
|---|--|
| Catheter length, cm | 142 |
| Platinum iridium marker bands 2.00–4.00 mm | Double |
| Coating | FreePac matrix |
| Balloon material | Flexitec HF |
| Guide compatibility | 5F |
| Nominal pressure, atm | 7 |
| Rated burst pressure (RBP), atm | 2.00 mm 17 2.25 - 2.50 mm 16 2.75 - 4.00 mm 15 |

PORTFOLIO

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12. RENAL DENERVATION



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GUIDE CATHETERS



CORONARY GUIDE CATHETER FAMILY



PORTFOLIO

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10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

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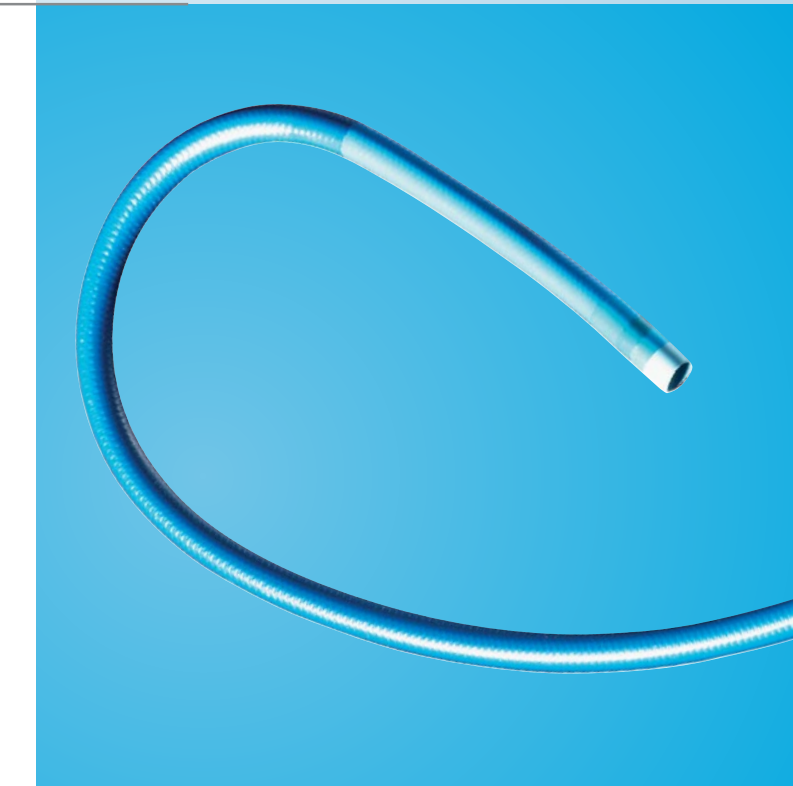
LAUNCHER™

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



SHERPA NX™ BALANCED

- Balanced guide for stable consistent performance with soft tip and advanced HDPE liner for smooth, low-friction device passage
- Workhorse construction suitable for a variety of anatomies and takeoffs
- Flexible distal segment for manipulation if case requires
- Supportive secondary curve for increased backup support and curve retention
- Large ID for maximum contrast flow and absolute visualization



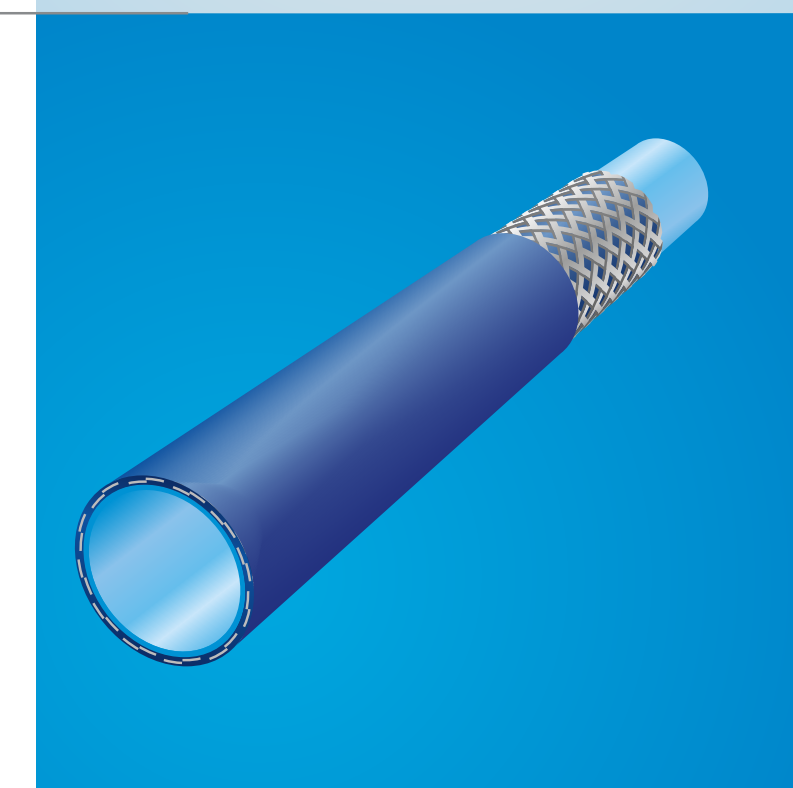
ZUMA 2™

- Soft, flexible distal segment for atraumatic engagement
- Soft tip polymer construction to minimize vessel trauma



UNIQUE FULL WALL TECHNOLOGY

- Encapsulated flat wire braid enables thinner, robust walls without compromising support or retention
- Designed for large lumens and enhanced flexibility without loss of support



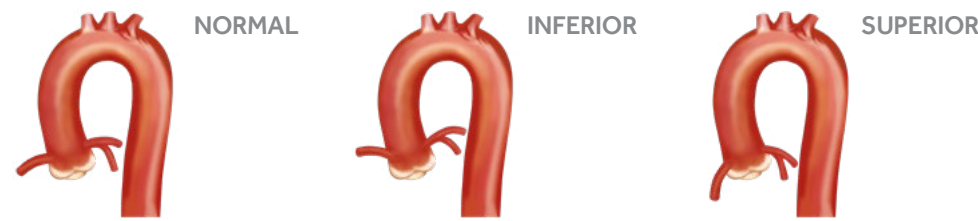


CORONARY GUIDE CATHETER FAMILY

Curve Selection Femoral approach

COMMON ANATOMIES

Three Types of Ostial Takeoffs (Can occur in right or left arteries)

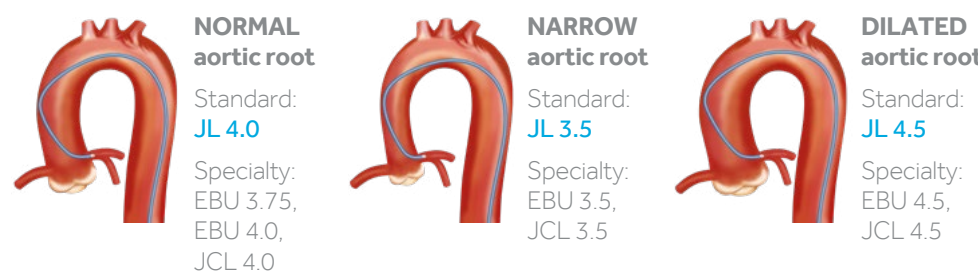


Three Types of Aortic Roots

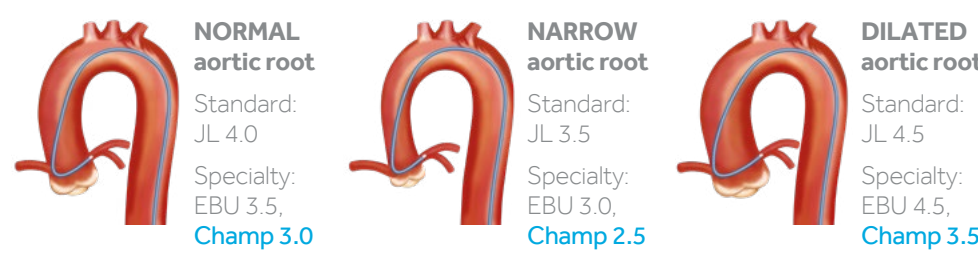


LEFT CURVES

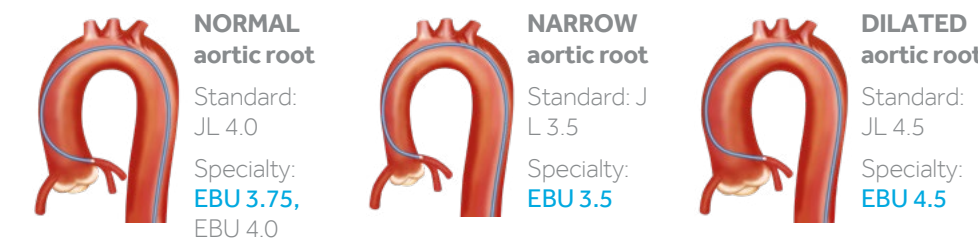
Normal Left Takeoffs



Superior Left Takeoffs



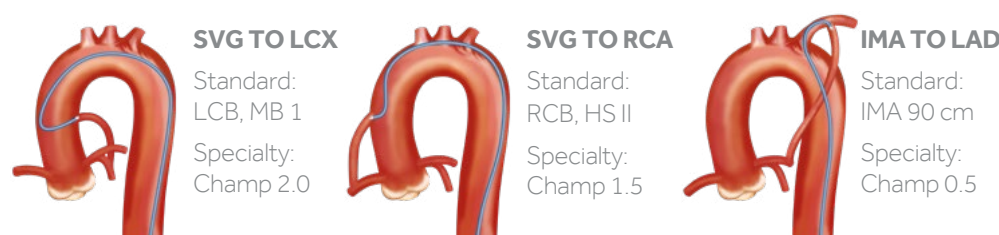
Inferior Left Takeoffs



Normal Takeoffs and Short Left Mains



BYPASS GRAFTS



Curve Selection Transradial approach

| | | | |
|--|--|--|--|
| EBU EXTRA BACKUP Patented curve design for left coronary arteries Sizing: JL35 = EBU35 JL40 = EBU35 JL50 = EBU40 | JR Standard right coronary artery curve Sizing: Same as femoral approach | JL Standard left coronary artery curve with open primary curve Sizing: Downsize the curve by 0.5 mm from what is used for femoral approach | AL Left coronary artery curve designed for maximum backup support with secondary curve seated firmly in aortic root Sizing: Same as femoral |
| AR (AMPLATZ RIGHT) Right coronary artery curve providing maximum backup support with secondary curve seated firmly in aortic root Sizing: Same as femoral | AL20 Designed for left coronary artery. Provides backup support with secondary curve seated firmly in aortic root Sizing: Same as femoral approach | MULTIPURPOSE-MB1/MP2 Gentle curve design provides ease of engagement for lateral to inferior-oriented arteries Sizing: One size fits all | MRADIAL Designed for left and right coronary artery engagement. Provides excellent support from contralateral wall and aortic root leverage Sizing: One size fits all |
| MAC Multi-aortic curve for left or right coronary artery Sizing: Lateral takeoff and small root-MAC30. Superior takeoff and small root-MAC35/40. Superior takeoff and large root-MAC40. Lateral and large root-MAC35/40 | MAC3030 Universal guide for left and right coronary artery engagement Sizing: One size fits all | ERADL Delivers excellent backup support and easy engagement Sizing: Easy Radial Left for standard size aorta. Easy Radial Left Long Tip for enlarged aorta. Easy Radial Left Short. Tip for narrowed aorta | ERADR Excellent backup support and easy engagement Sizing: Easy Radial Right for standard size aorta. Easy Radial Short Tip for narrowed aorta |
| RRAD Designed for both lateral and superior-oriented right coronary arteries. Modification of the MRADIAL curve. Provides good support from contralateral wall Sizing: One size fits all | LARA Provides excellent support from aortic root leverage and contralateral wall Sizing: One size fits all with Judkins-like engagement | ALR12 Designed for right coronary artery. Provides maximum backup support with secondary curve seated firmly in aortic root Sizing: One size fits all | MRESS Designed for right coronary artery. Provides excellent support from contralateral wall and aortic root leverage Sizing: One size fits all |
| HOCKEY STICK Multipurpose curve is easy to engage for right coronary artery. Gentle primary curve and long distal tip for device delivery Sizing: Available in HSI for <3.5 cm aortic roots and HSI for 3.5-4.0 cm aortic roots RMHSII (Relaxed Modified HSI) has a relaxed primary curve | PAPA Designed for left and right coronary arteries with contralateral wall support, and also available in PAPA 1, which has an angled tip Sizing: One size fits all | MULTIPURPOSE SHORT TIP Standard curve for right coronary artery and may be helpful for inferior takeoffs Engagement Recommendations: Use a gentle clockwise rotation technique similar to the Judkins Right coronary approach and the MAC Pullback may be required to carefully engage the artery Sizing: Same as femoral approach | |

CURVE ABBREVIATION KEY

ERAD = Easy Radial
EBU = Extra Backup
HS = Hockey Stick
LCB = Left Coronary Bypass
MAC = Multi-aortic Curve
NOTO = No Torque Right
RBU = Right Backup

RCB = Right Coronary Bypass
RMHS = Relaxed Modified Hockey Stick
SAL = Short Amplatz Left
SL = Short Left

NOTE: Curves in **BLUE** text indicate type of curve used in illustration.

Note: SH available on all curves. The curve recommendations on this sheet are not intended to replace patient specific clinical judgement.

Note: SH available on all curves. The curve recommendations on this sheet are not intended to replace patient specific clinical judgement.

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



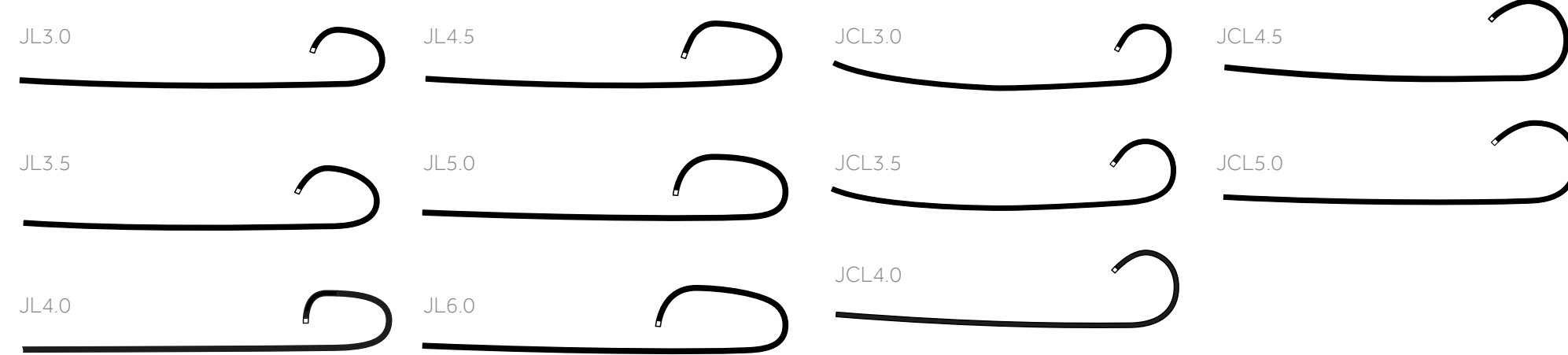
CORONARY GUIDE CATHETER FAMILY

Launcher™ Guide Catheter Left Coronary Curve

GENERAL CHARACTERISTICS • Supplied sterile Items per box: 1 • Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
• Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION Full-Wall Technology construction provides kink resistance and stable torque control; large ID allows for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES • Over 230 specialty curves available
• SH available on all curves



LEFT STANDARD

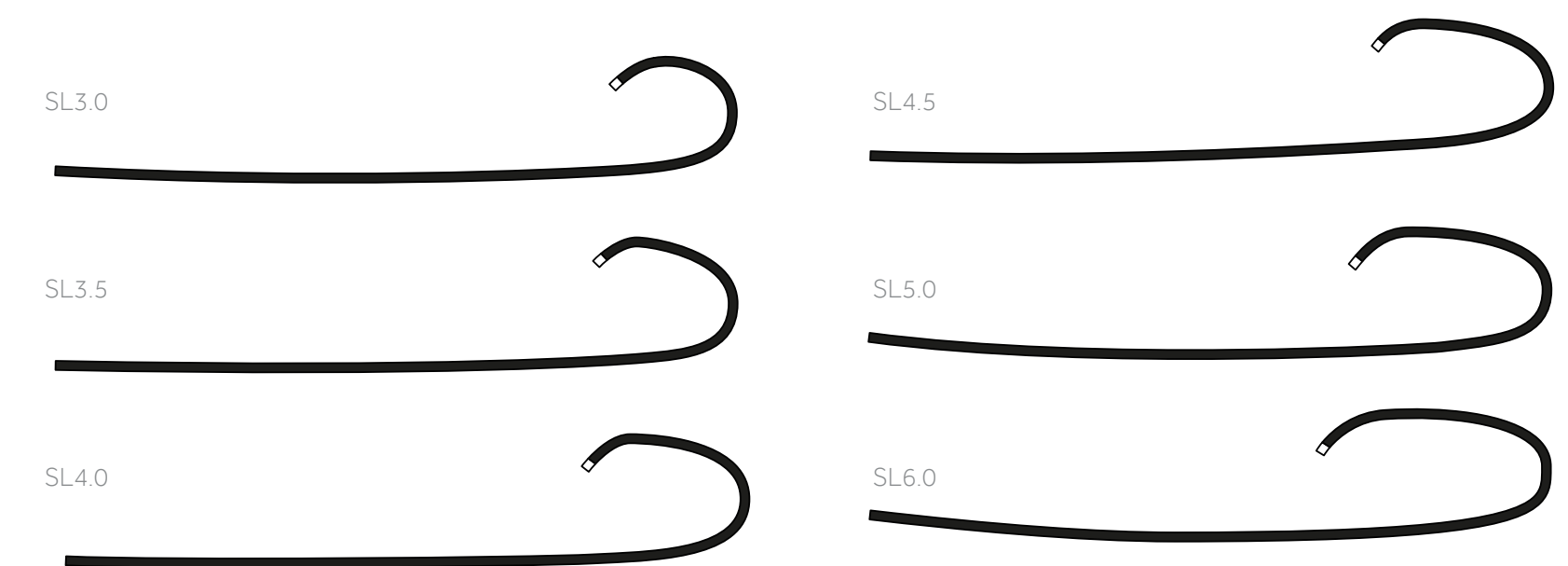
| PRODUCT CODE | 5F | 6F | 7F | 8F |
|--------------|------------------|------------------|------------------|------------------|
| | (I.D. 0.058 IN.) | (I.D. 0.071 IN.) | (I.D. 0.081 IN.) | (I.D. 0.090 IN.) |
| JL3.0 | LA5JL30 | LA6JL30 | LA7JL30 | LA8JL30 |
| JL3.5 | LA5JL35 | LA6JL35 | LA7JL35 | LA8JL35 |
| 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 |

Launcher™ Guide Catheter Short Left Coronary Curve

GENERAL CHARACTERISTICS • Supplied sterile Items per box: 1 • Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
• Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION Full-Wall Technology construction provides kink resistance and stable torque control; large ID allows for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES • Over 230 specialty curves available
• SH available on all curves



SHORT LEFT

| PRODUCT CODE | 5F | 6F | 7F | 8F |
|--------------|------------------|------------------|------------------|------------------|
| | (I.D. 0.058 IN.) | (I.D. 0.071 IN.) | (I.D. 0.081 IN.) | (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 | LA5SL60 | LA6SL60 | LA7SL60 | LA8SL60 |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



CORONARY GUIDE CATHETER FAMILY

Launcher™ Guide Catheter Amplatz Left Coronary Curve

GENERAL CHARACTERISTICS

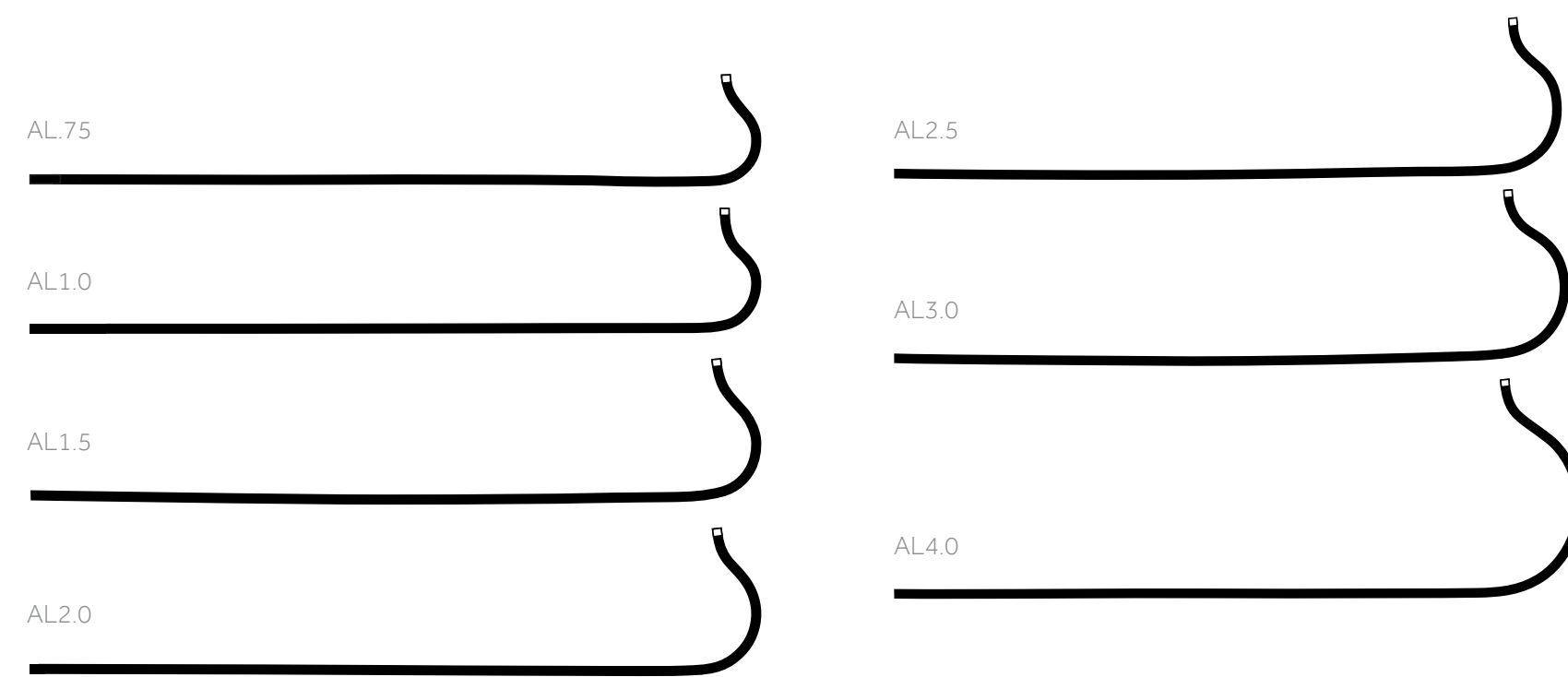
- Supplied sterile Items per box: 1 • Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID allows for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Over 230 specialty curves available
- SH available on all curves



AMPLATZ LEFT

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

Launcher™ Guide Catheter Short Amplatz Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1 • Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID allows for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Over 230 specialty curves available
- SH available on all curves



SHORT AMPLATZ LEFT

| PRODUCT CODE | 5F (I.D. 0.058 IN.) | 6F (I.D. 0.071 IN.) | 7F (I.D. 0.081 IN.) | 8F (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 | LA8SAL25 |
| SAL3.0 | LA5SAL30 | LA6SAL30 | LA7SAL30 | LA8SAL30 |
| SAL4.0 | LA5SAL40 | LA6SAL40 | LA7SAL40 | LA8SAL40 |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

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12. RENAL DENERVATION



CORONARY GUIDE CATHETER FAMILY

Launcher™ Guide Catheter Left Coronary Backup Support

GENERAL CHARACTERISTICS

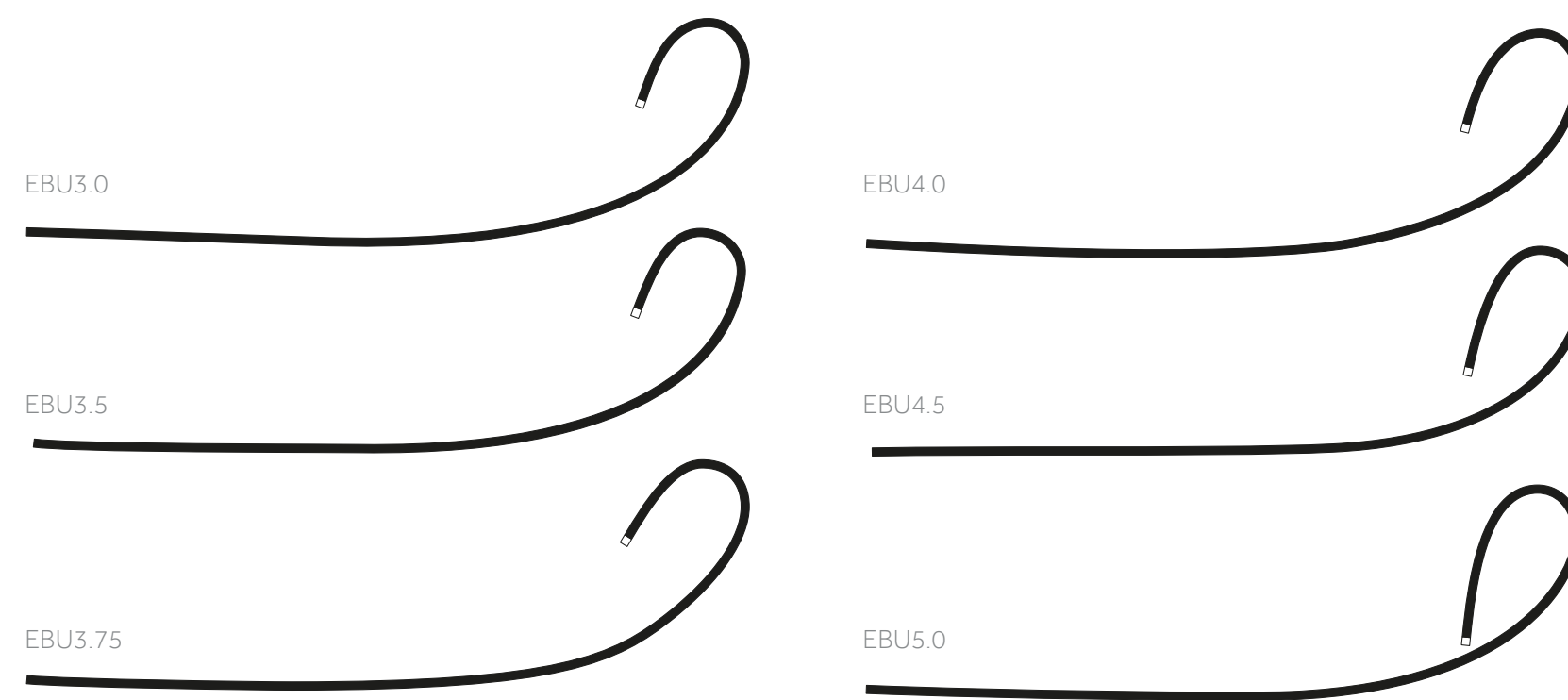
- Supplied sterile items per box: 1 • Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID allows for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Over 230 specialty curves available
- SH available on all curves



EBU (EXTRA BACKUP)

| PRODUCT CODE | 5F (I.D. 0.058 IN.) | 6F (I.D. 0.071 IN.) | 7F (I.D. 0.081 IN.) | 8F (I.D. 0.090 IN.) |
|--------------|------------------------|------------------------|------------------------|------------------------|
| EBU3.0 | LA5EBU30 | LA6EBU30 | LA7EBU30 | LA8EBU30 |
| 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 |

Launcher™ Guide Catheter Right Coronary Curve

GENERAL CHARACTERISTICS

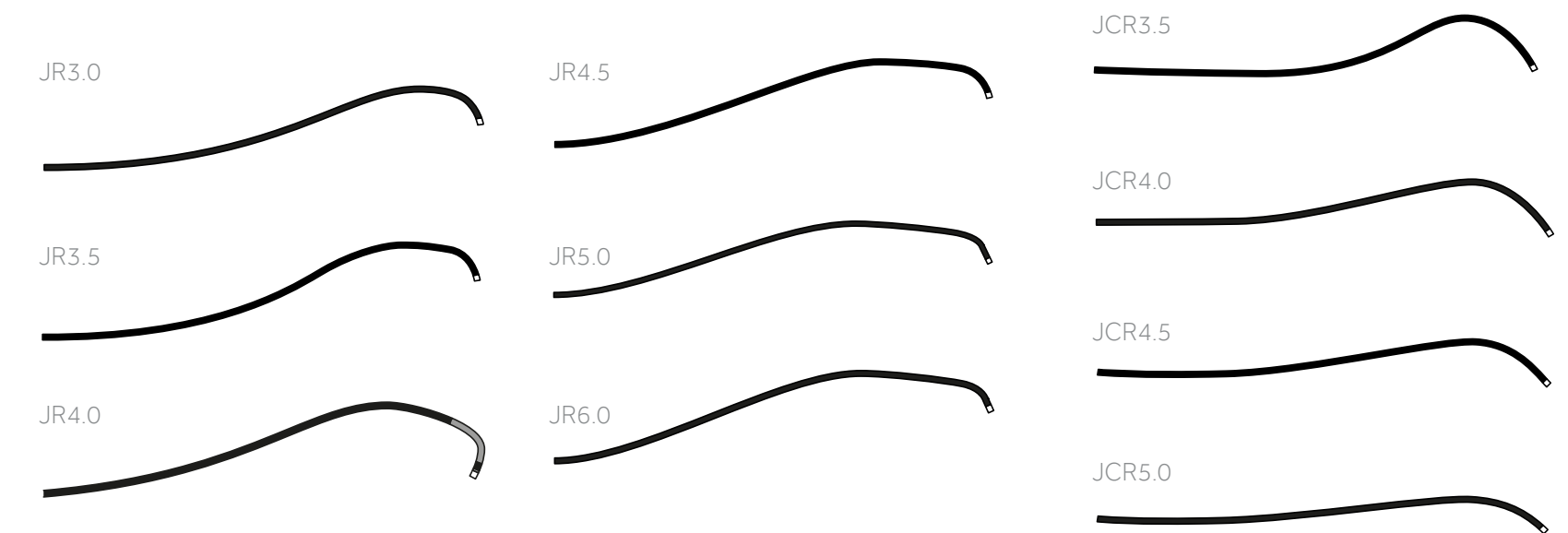
- Supplied sterile items per box: 1 • Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID allows for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Over 230 specialty curves available
- SH available on all curves



RIGHT STANDARD

| PRODUCT CODE | 5F (I.D. 0.058 IN.) | 6F (I.D. 0.071 IN.) | 7F (I.D. 0.081 IN.) | 8F (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 | LA5JCR50 | LA6JCR50 | LA7JCR50 | LA8JCR50 |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



CORONARY GUIDE CATHETER FAMILY

Launcher™ Guide Catheter Short Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1 • Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID allows for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Over 230 specialty curves available
- SH available on all curves



SHORT RIGHT

| PRODUCT CODE | 5F I.D. 0.058 IN.) | 6F I.D. 0.071 IN.) | 7F I.D. 0.081 IN.) | 8F 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 | LA5SR45 | LA6SR45 | LA7SR45 | LA8SR45 |
| SR5.0 | LA5SR50 | LA6SR50 | LA7SR50 | LA8SR50 |
| SR6.0 | LA5SR60 | LA6SR60 | LA7SR60 | LA8SR60 |

Launcher™ Guide Catheter Amplatz Right Coronary Curve

GENERAL CHARACTERISTICS

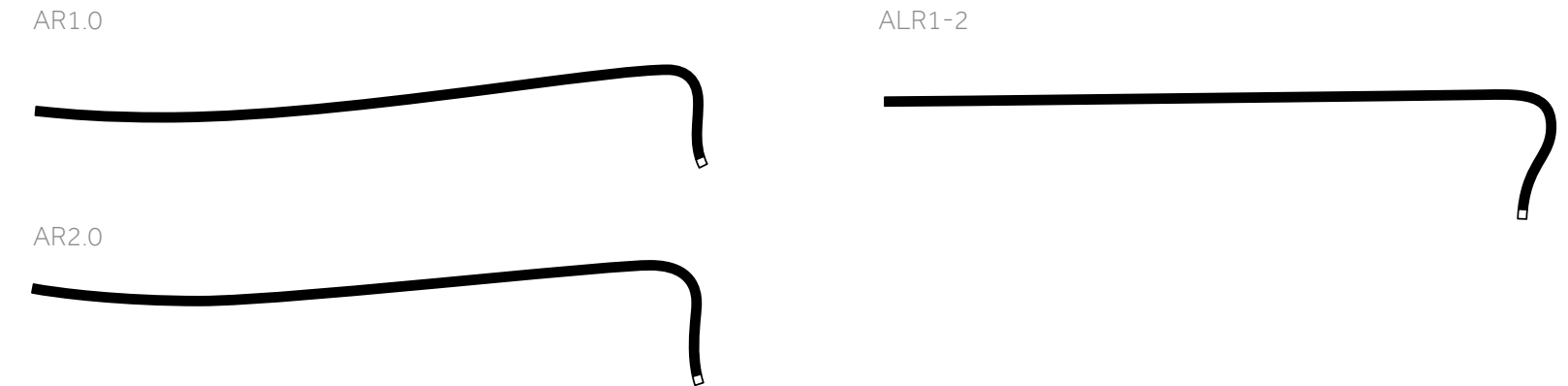
- Supplied sterile Items per box: 1 • Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID allows for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Over 230 specialty curves available
- SH available on all curves



AMPLATZ RIGHT

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

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



CORONARY GUIDE CATHETER FAMILY

Launcher™ Guide Catheter Short Amplatz Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1 • Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID allows for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

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- SH available on all curves

SAR1.0



SAR2.0



SHORT AMPLATZ RIGHT

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

Launcher™ Guide Catheter Shepherd's Crook Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1 • Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

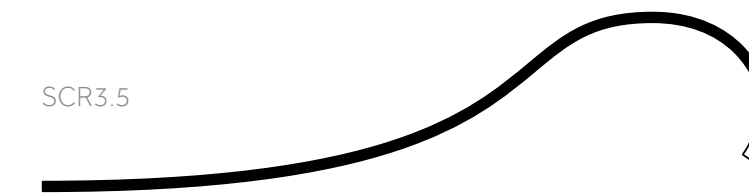
PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID allows for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

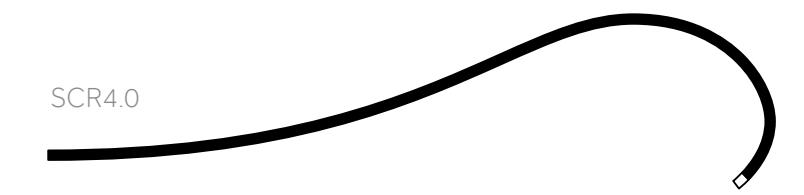
FEATURES

- Over 230 specialty curves available
- SH available on all curves

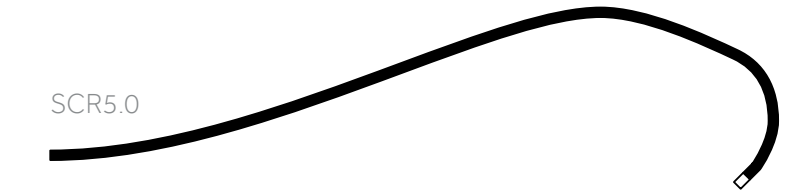
SCR3.5



SCR4.0



SCR5.0



SHEPHERD'S CROOK RIGHT

| PRODUCT CODE | 5F I.D. 0.058 IN.) | 6F I.D. 0.071 IN.) | 7F I.D. 0.081 IN.) | 8F I.D. 0.090 IN.) |
|--------------|-----------------------|-----------------------|-----------------------|-----------------------|
| SCR3.5 | LA5SCR35 | LA6SCR35 | LA7SCR35 | LA8SCR35 |
| SCR4.0 | LA5SCR40 | LA6SCR40 | LA7SCR40 | LA8SCR40 |
| SCR5.0 | LA5SCR50 | LA6SCR50 | LA7SCR50 | LA8SCR50 |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

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11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



CORONARY GUIDE CATHETER FAMILY

Launcher™ Guide Catheter Right Coronary Backup Support

GENERAL CHARACTERISTICS

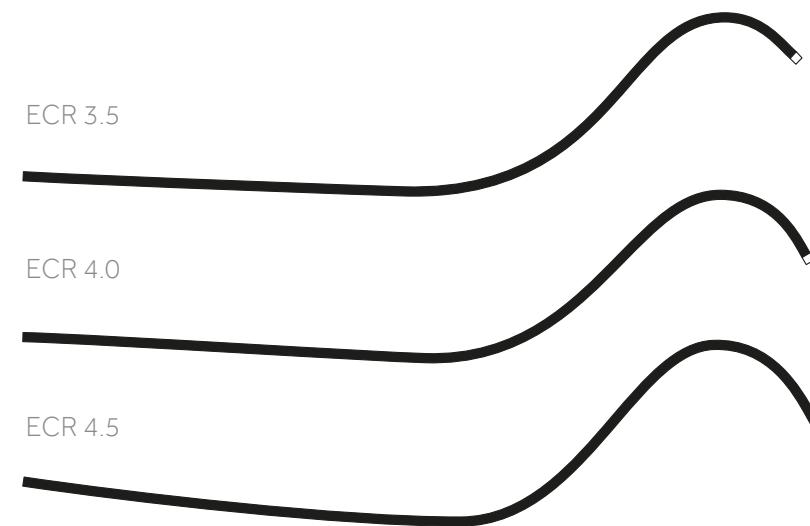
- Supplied sterile items per box: 1 • Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID allows for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Over 230 specialty curves available
- SH available on all curves



ECR CURVES

| PRODUCT CODE | 5F (I.D. 0.058 IN.) | 6F (I.D. 0.071 IN.) | 7F (I.D. 0.081 IN.) | 8F (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 | LA8ECR45 |

Launcher™ Guide Catheter Right Coronary Backup Support

GENERAL CHARACTERISTICS

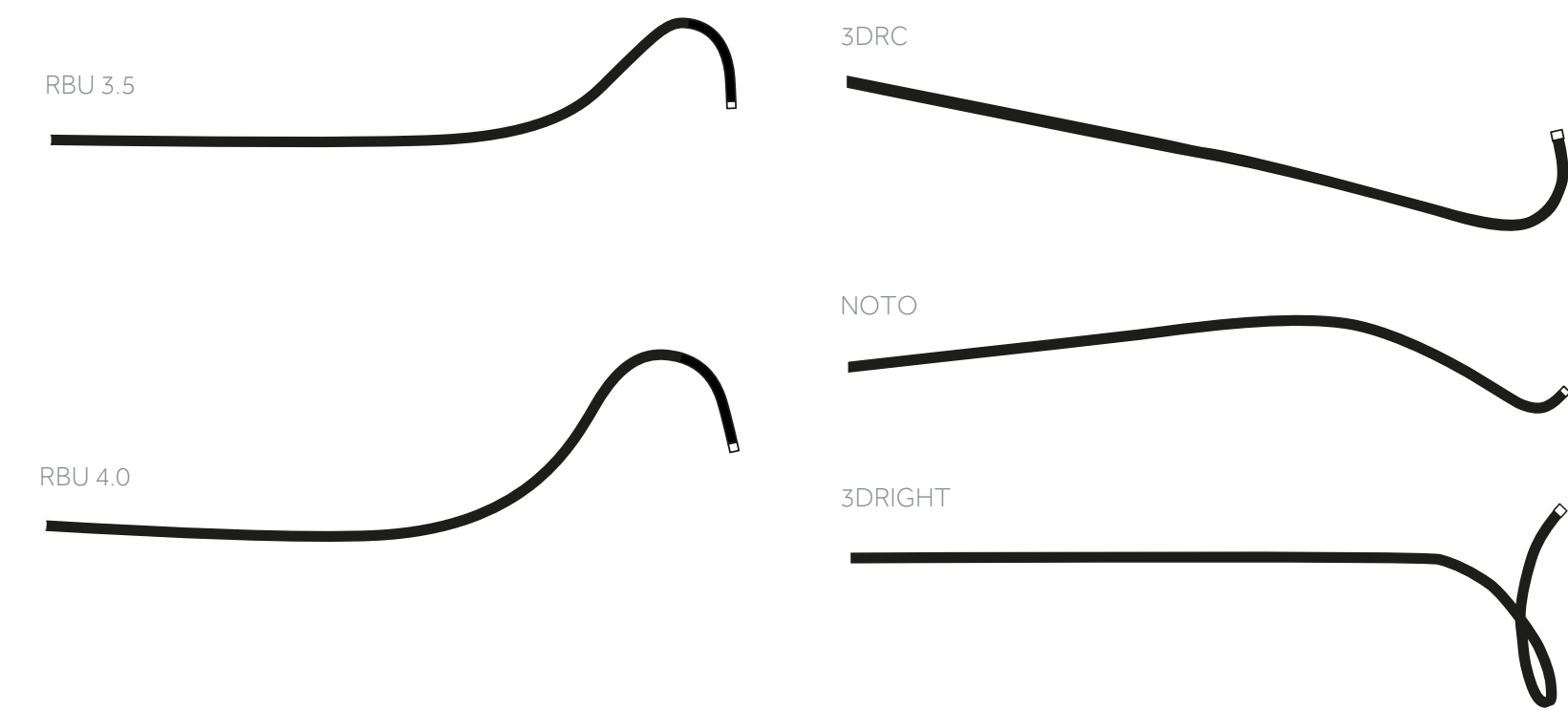
- Supplied sterile items per box: 1 • Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID allows for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Over 230 specialty curves available
- SH available on all curves



RBU CURVES

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

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

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9. ANGIOGRAPHIC CATHETERS AND WIRES

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11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



CORONARY GUIDE CATHETER FAMILY

Launcher™ Guide Catheter Multipurpose Curves

GENERAL CHARACTERISTICS

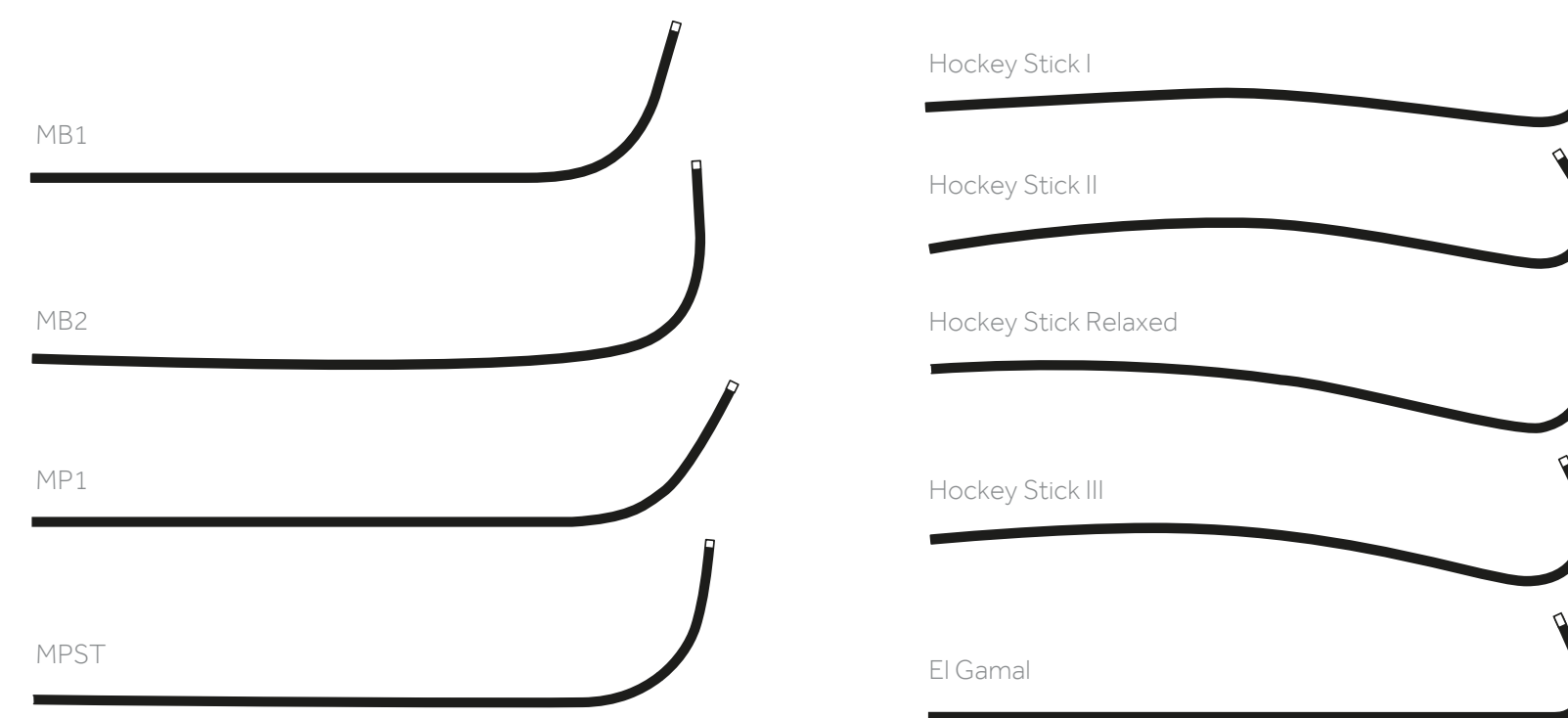
- Supplied sterile Items per box: 1 • Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID allows for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Over 230 specialty curves available
- SH available on all curves



MULTIPURPOSE

| PRODUCT CODE | 5F (I.D. 0.058 IN.) | 6F (I.D. 0.071 IN.) | 7F (I.D. 0.081 IN.) | 8F (I.D. 0.090 IN.) |
|------------------|------------------------|------------------------|------------------------|------------------------|
| MB1 | LA5MB1 | LA6MB1 | LA7MB1 | LA8MB1 |
| MB2 | LA5MB2 | LA6MB2 | LA7MB2 | LA8MB2 |
| MP1 | LA5MP1 | LA6MP1 | LA7MP1 | LA8MP1 |
| MP2 | | LA6MP2 | | |
| MB 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 |

Launcher™ Guide Catheter Other Curves

GENERAL CHARACTERISTICS

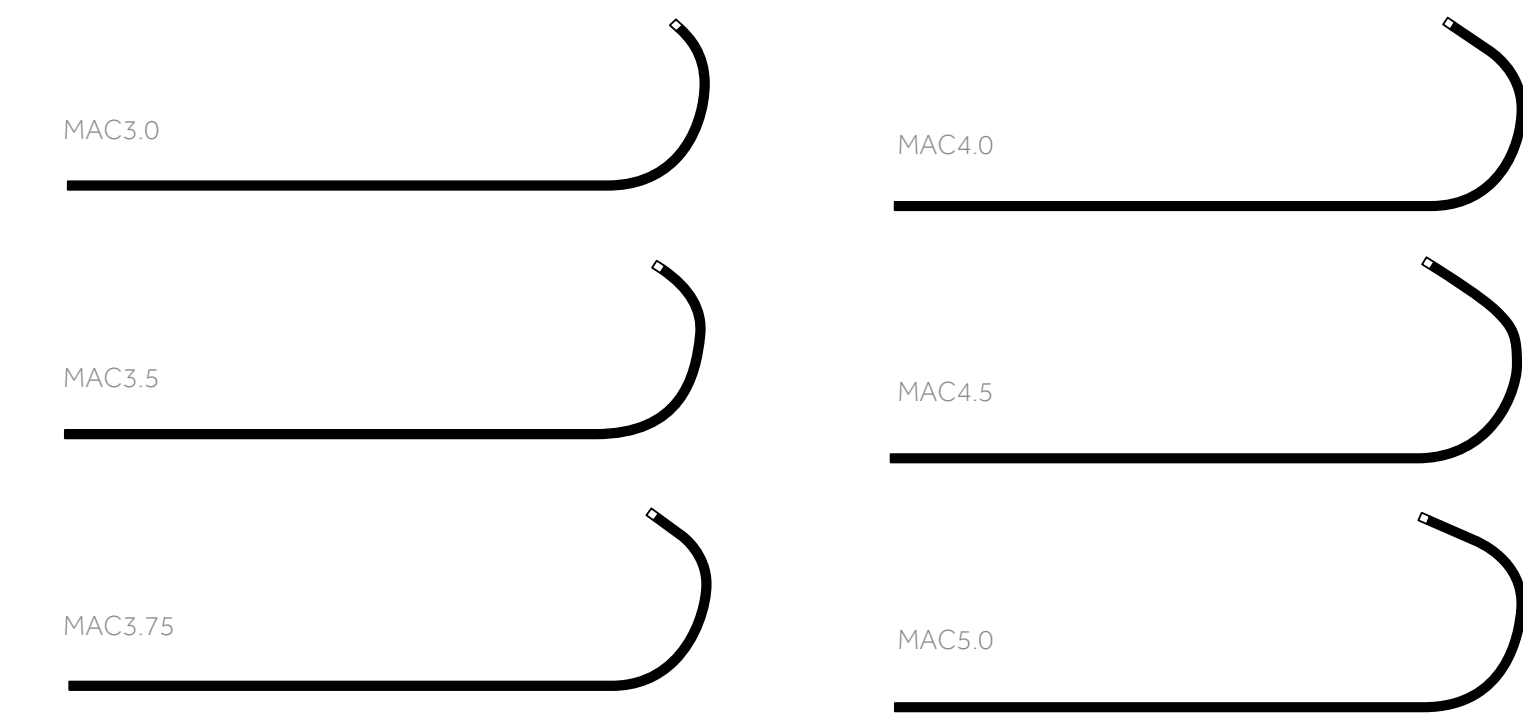
- Supplied sterile Items per box: 1 • Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID allows for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Over 230 specialty curves available
- SH available on all curves



MAC (MULTI-AORTIC CURVES)

| PRODUCT CODE | 5F (I.D. 0.058 IN.) | 6F (I.D. 0.071 IN.) | 7F (I.D. 0.081 IN.) | 8F (I.D. 0.090 IN.) |
|--------------|------------------------|------------------------|------------------------|------------------------|
| MAC3.0 | LA5MAC30 | LA6MAC30 | LA7MAC30 | LA8MAC30 |
| MAC3.5 | LA5MAC35 | LA6MAC35 | LA7MAC35 | LA8MAC35 |
| MAC3.75 | LA5MAC375 | LA6MAC375 | LA7MAC375 | LA8MAC375 |
| MAC4.0 | LA5MAC40 | LA6MAC40 | LA7MAC40 | LA8MAC40 |
| MAC4.5 | LA5MAC45 | LA6MAC45 | LA7MAC45 | LA8MAC45 |
| MAC5.0 | LA5MAC50 | LA6MAC50 | LA7MAC50 | LA8MAC50 |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



CORONARY GUIDE CATHETER FAMILY

Launcher™ Guide Catheter Bypass Curves

GENERAL CHARACTERISTICS

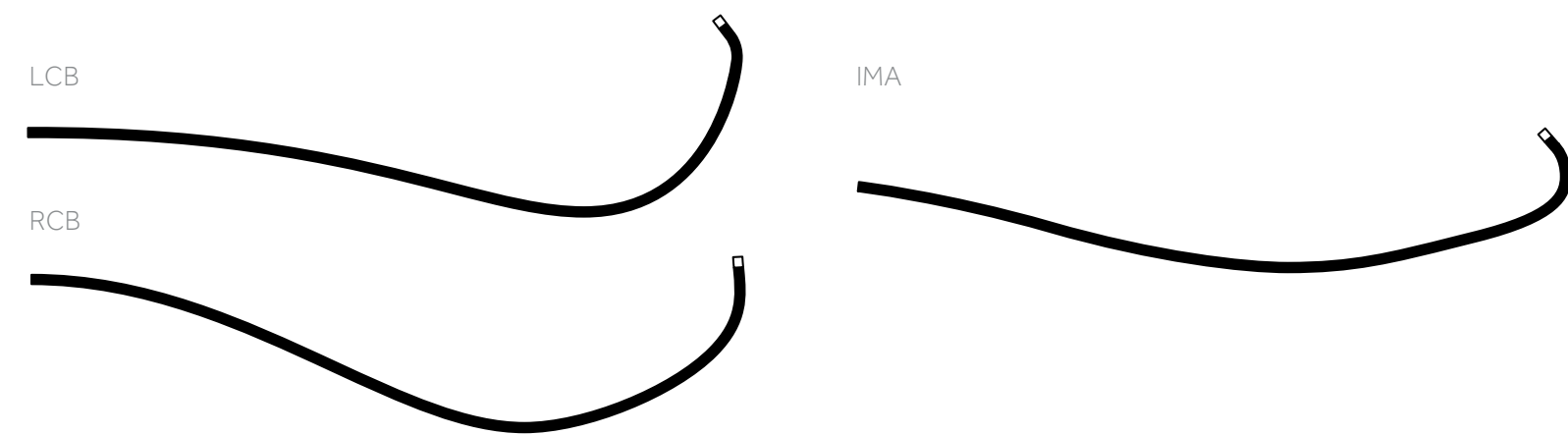
- Supplied sterile items per box: 1 • Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID allows for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Over 230 specialty curves available
- SH available on all curves



BYPASS GRAFTS

| PRODUCT CODE | 5F (I.D. 0.058 IN.) | 6F (I.D. 0.071 IN.) | 7F (I.D. 0.081 IN.) | 8F (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 |

Launcher™ Guide Catheter Other Curves

GENERAL CHARACTERISTICS

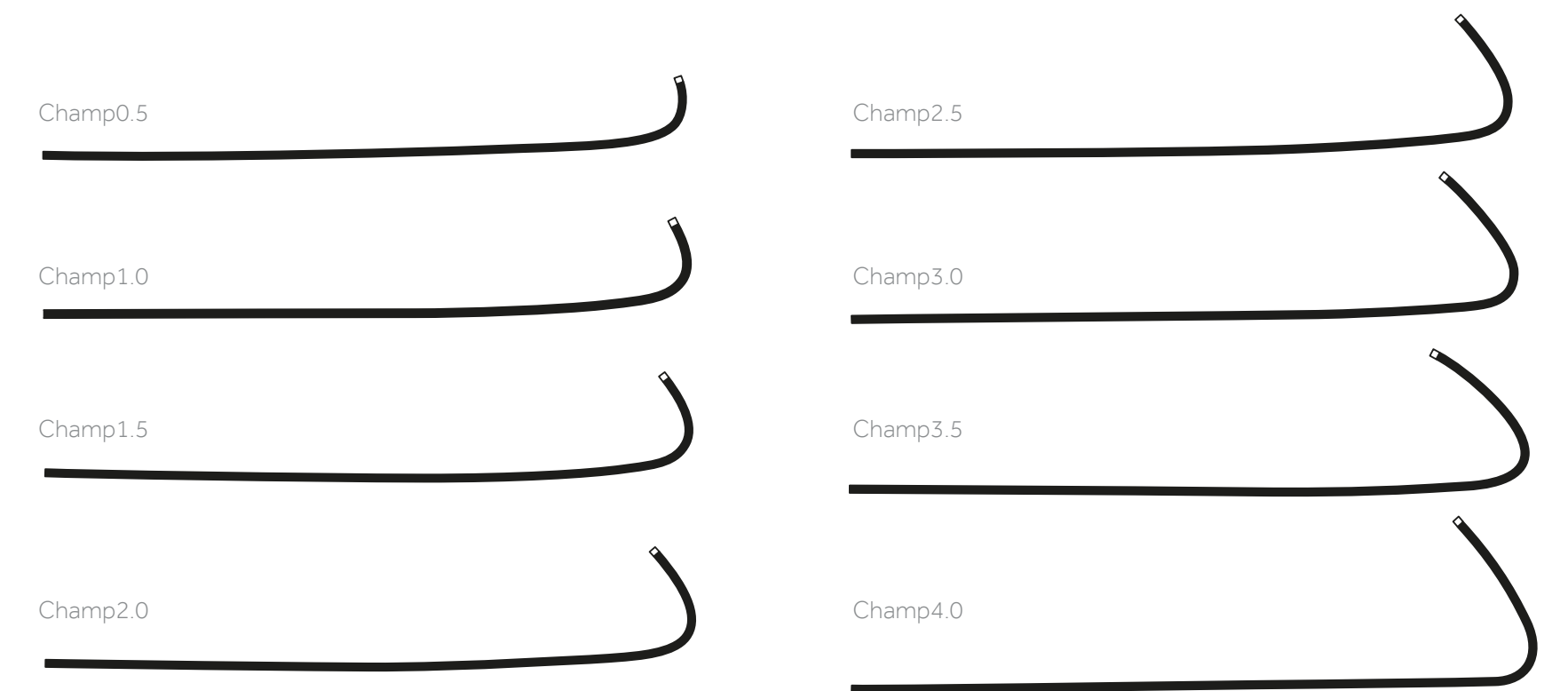
- Supplied sterile items per box: 1 • Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID allows for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Over 230 specialty curves available
- SH available on all curves



CHAMP

| PRODUCT CODE | 5F (I.D. 0.058 IN.) | 6F (I.D. 0.071 IN.) | 7F (I.D. 0.081 IN.) | 8F (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 |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



CORONARY GUIDE CATHETER FAMILY

Launcher™ Guide Catheter Radial Curves

GENERAL CHARACTERISTICS

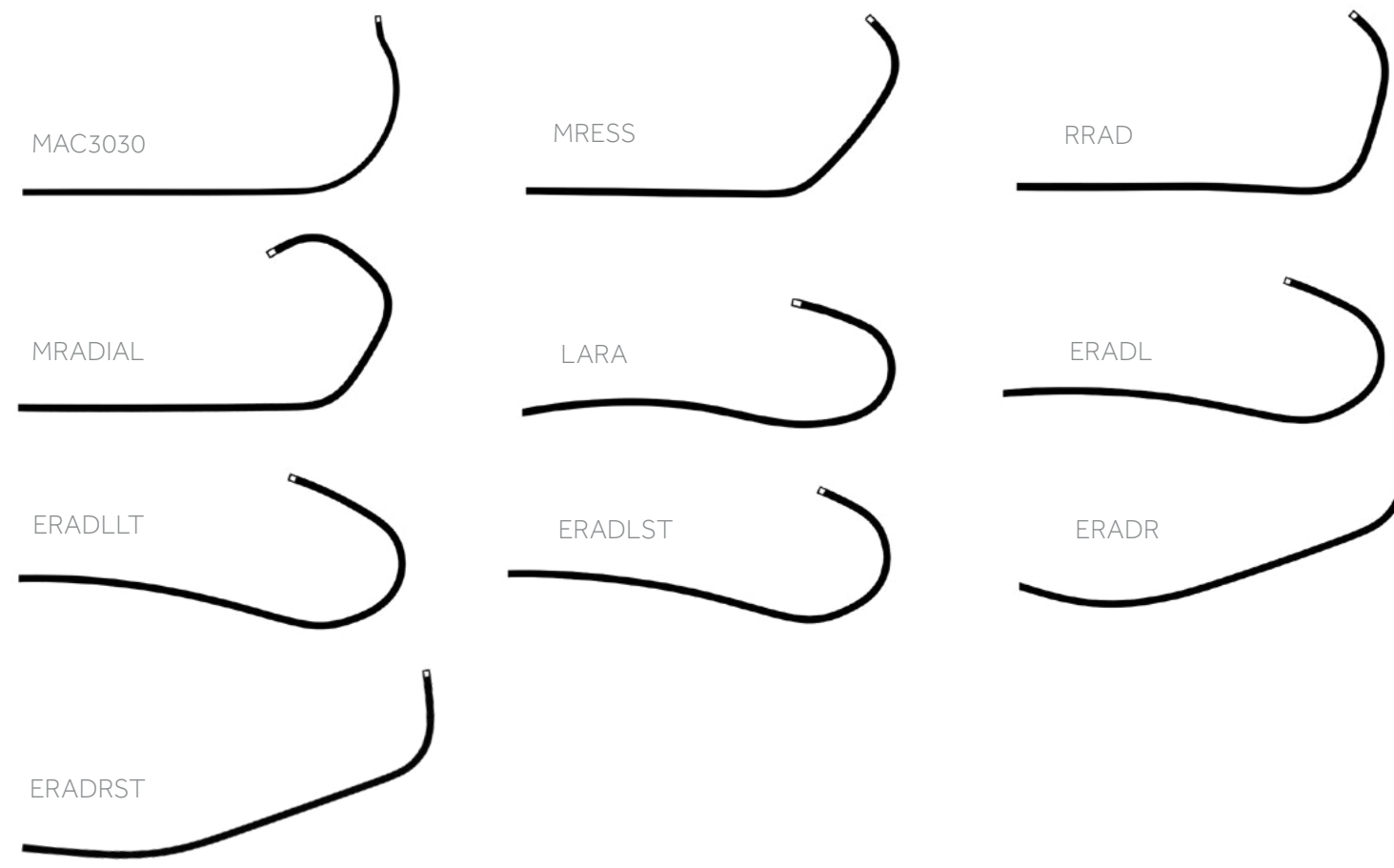
- Supplied sterile Items per box: 1
- Label colour: 5F: Grey, 6F: Green, 7F: Orange, 8F: Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.071", 7F = 0.081", 8F = 0.090"

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID allows for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES

- Over 230 specialty curves available
- SH available on all curves



ADDITIONAL RADIAL CURVES

| PRODUCT CODE | 5F (I.D. 0.058 IN.) | 6F (I.D. 0.071 IN.) | 7F (I.D. 0.081 IN.) | 8F (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 | - | - |

Launcher™ Guide Catheter 118cm length

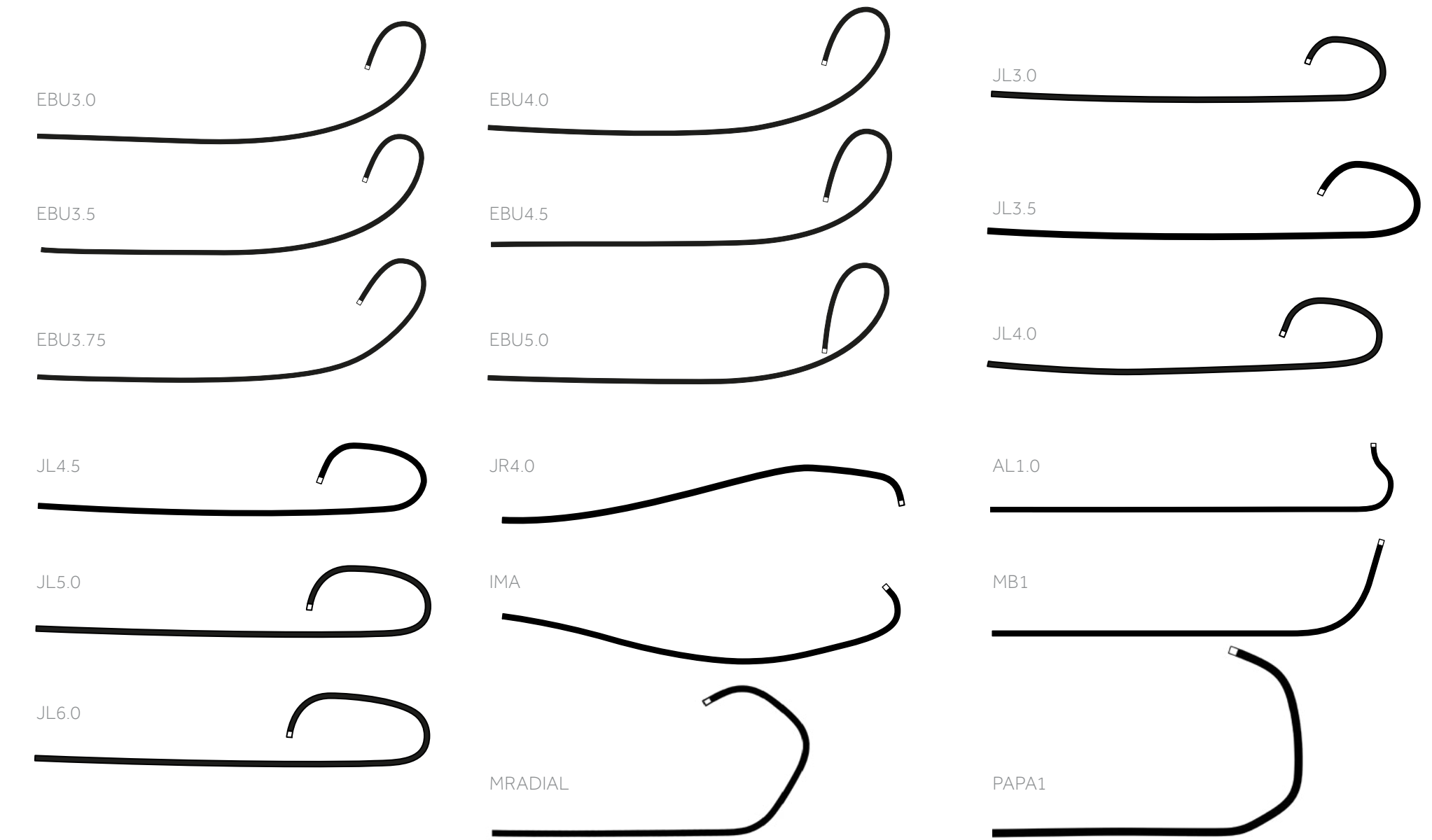
GENERAL CHARACTERISTICS

Supplied sterile Items per box: 1 Label colour: 5F: Grey, 6F: Green,
Lumen inner diameter: 5F = 0.058", 6F = 0.071",

PRODUCT DESCRIPTION

Full-Wall Technology construction provides kink resistance and stable torque control; large ID allows for increased contrast flow for enhanced visualization. Vest-Tech Nylon outer jacket provides excellent hub to tip radiopacity.

FEATURES 118 cm LENGTH



118CM LENGTH CATHETER

| PRODUCT CODE | 5F (I.D. 0.058 IN.) | 6F (I.D. 0.071 IN.) |
|--------------|------------------------|------------------------|
| JL 3.5 | LA5JL35Y | LA6JL35Y |
| JL 4.0 | LA5JL40Y | LA6JL40Y |
| JL 4.5 | LA6JL45Y | LA5JL45Y |
| JR 4.0 | LA5JR40Y | LA6JR40Y |
| EBU 3.5 | LA5EBU35Y | LA6EBU35Y |
| EBU 3.75 | LA5EBU375Y | LA6EBU375Y |
| EBU 4.0 | LA5EBU40Y | LA6EBU40Y |
| AL 1.0 | LA5AL10Y | LA6AL10Y |
| IMA | LA5IMAY | LA6IMAY |
| MB1 | LA5MB1Y | LA6MB1Y |
| PAPA1 | LA5PAPA1Y | LA6PAPA1Y |
| MRADIAL | LA5MRADIALY | LA6MRADIALY |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

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10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



CORONARY GUIDE CATHETER FAMILY

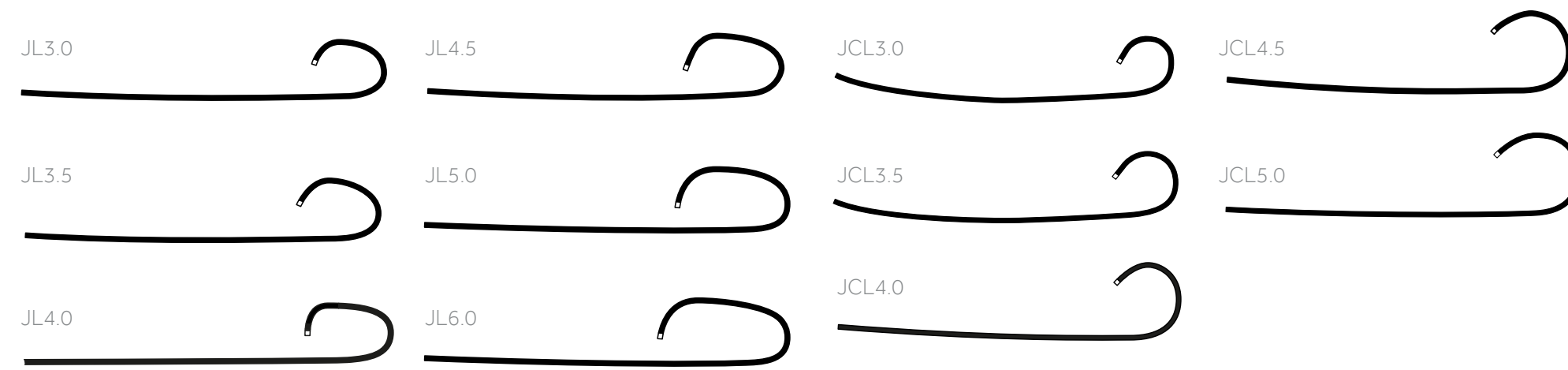
Sherpa NX™ Balanced Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange
- Lumen inner diameter: 6F = 0.070", 7F = 0.080"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



LEFT STANDARD

| | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.080 IN.) |
|--------|------------------------|------------------------|
| 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 | SB7JCL30 |
| JCL3.5 | SB6JCL35 | SB7JCL35 |
| JCL4.0 | SB6JCL40 | SB7JCL40 |
| JCL4.5 | SB6JCL45 | SB7JCL45 |
| JCL5.0 | SB6JCL50 | SB7JCL50 |

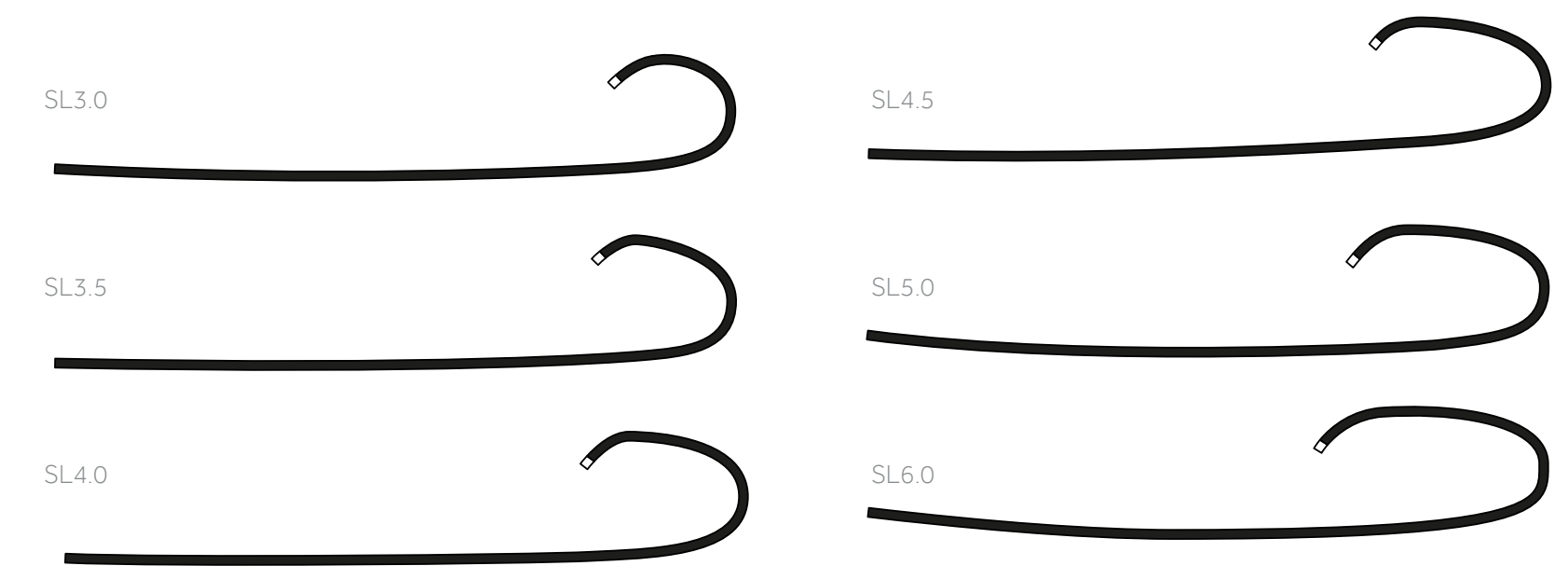
Sherpa NX™ Balanced Short Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange
- Lumen inner diameter: 6F = 0.070", 7F = 0.080"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



SHORT LEFT

| | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.080 IN.) |
|-------|------------------------|------------------------|
| SL3.0 | SB6SL30 | SB7SL30 |
| SL3.5 | SB6SL35 | SB7SL35 |
| SL4.0 | SB6SL40 | SB7SL40 |
| SL4.5 | SB6SL45 | SB7SL45 |
| SL5.0 | SB6SL50 | SB7SL50 |
| SL6.0 | SB6SL60 | SB7SL70 |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

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10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



CORONARY GUIDE CATHETER FAMILY

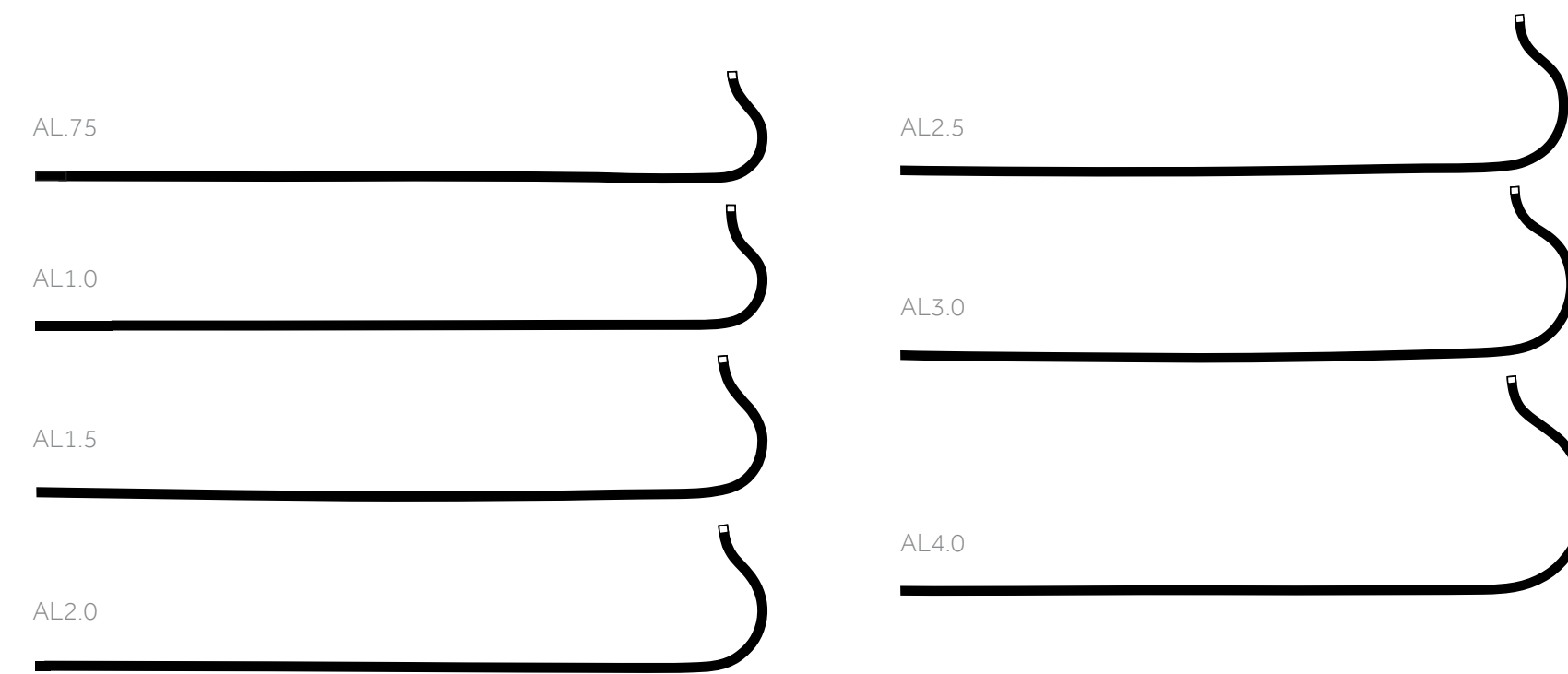
Sherpa NX™ Balanced Amplatz Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange
- Lumen inner diameter: 6F = 0.070", 7F = 0.080"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



AMPLATZ LEFT

| | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.080 IN.) |
|-------|------------------------|------------------------|
| AL75 | SB6AL75 | SB7AL75 |
| AL1.0 | SB6AL10 | SB7AL10 |
| AL1.5 | SB6AL15 | SB7AL15 |
| AL2.0 | SB6AL20 | SB7AL20 |
| AL2.5 | SB6AL25 | SB7AL25 |
| AL3.0 | SB6AL30 | SB7AL30 |
| AL4.0 | SB6AL40 | SB7AL40 |

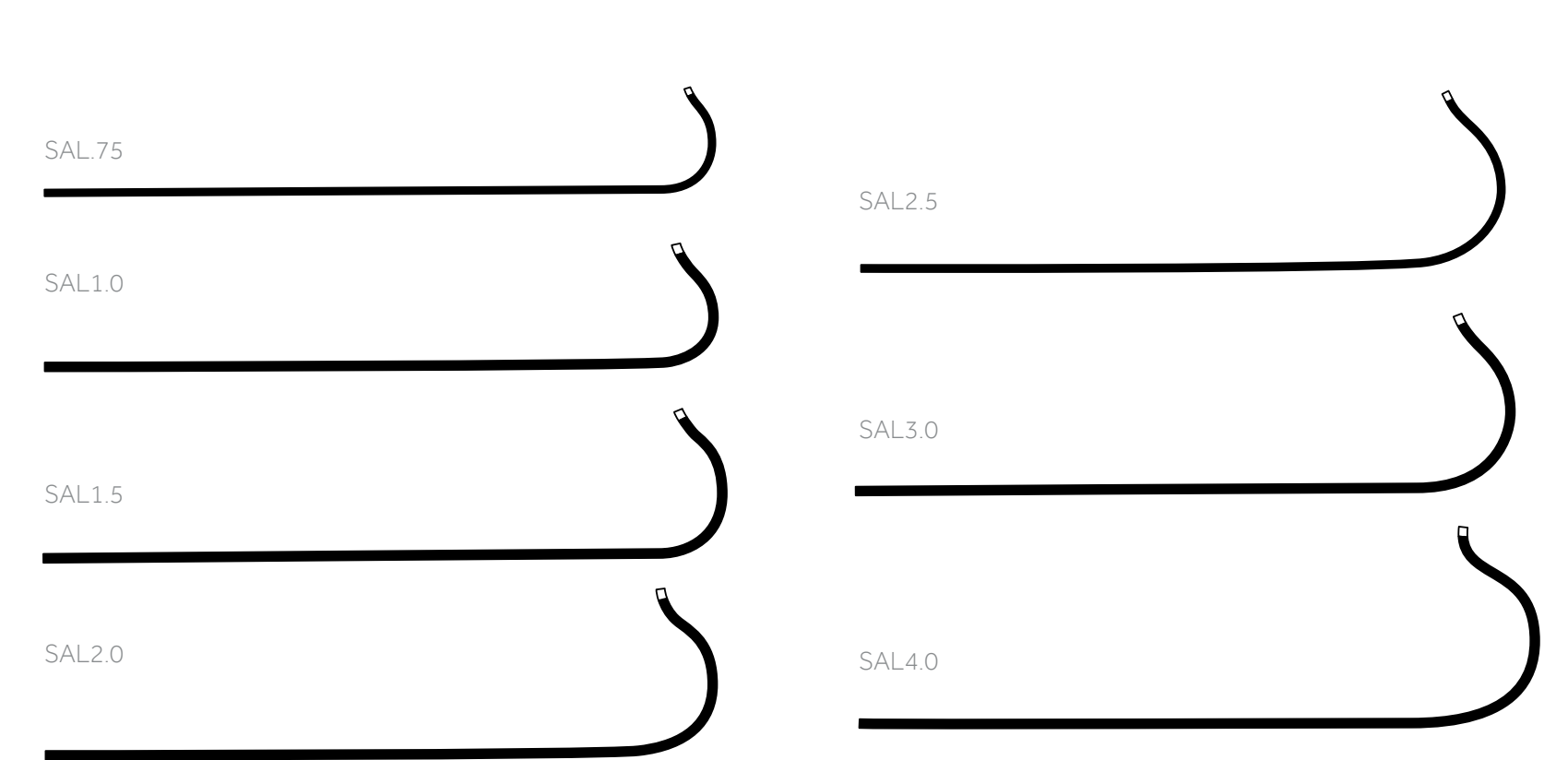
Sherpa NX™ Balanced Short Amplatz Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange
- Lumen inner diameter: 6F = 0.070", 7F = 0.080"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



SHORT AMPLATZ LEFT

| | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.080 IN.) |
|--------|------------------------|------------------------|
| SAL75 | SB6SAL75 | SB7SAL75 |
| SAL1.0 | SB6SAL10 | SB7SAL10 |
| SAL1.5 | SB6SAL15 | SB7SAL15 |
| SAL2.0 | SB6SAL20 | SB7SAL20 |
| SAL2.5 | SB6SAL25 | SB7SAL25 |
| SAL3.0 | SB6SAL30 | SB7SAL30 |
| SAL4.0 | SB6SAL40 | SB7SAL40 |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

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4. DRUG ELUTING BALLOONS

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12. RENAL DENERVATION



CORONARY GUIDE CATHETER FAMILY

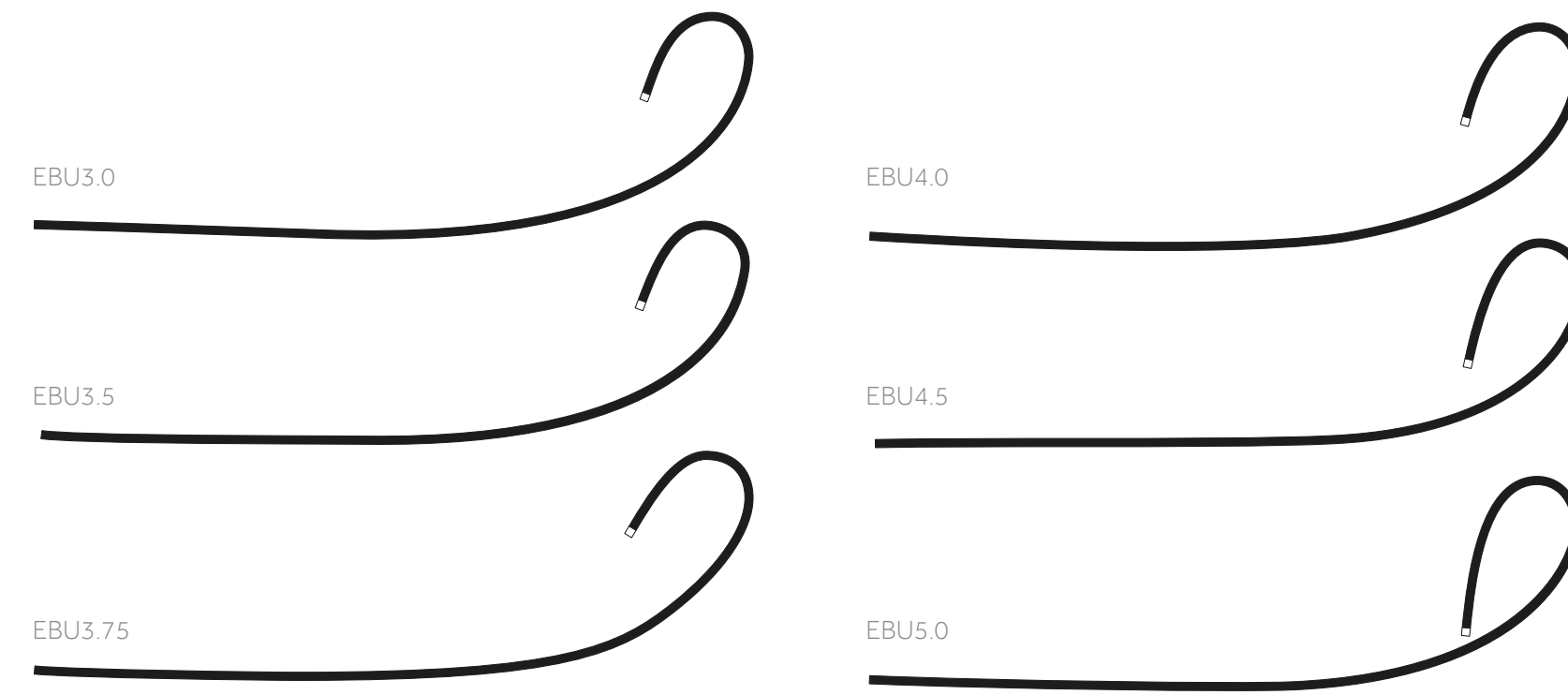
Sherpa NX™ Balanced Left Coronary Backup Support

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange
- Lumen inner diameter: 6F = 0.070", 7F = 0.080"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



EBU (EXTRA BACKUP)

| | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.080 IN.) |
|---------|------------------------|------------------------|
| EBU3.0 | SB6EBU30 | SB7EBU30 |
| EBU3.5 | SB6EBU35 | SB7EBU35 |
| EBU3.75 | SB6EBU375 | SB7EBU375 |
| EBU4.0 | SB6EBU40 | SB7EBU40 |
| EBU4.5 | SB6EBU45 | SB7EBU45 |
| EBU5.0 | SB6EBU50 | SB7EBU50 |

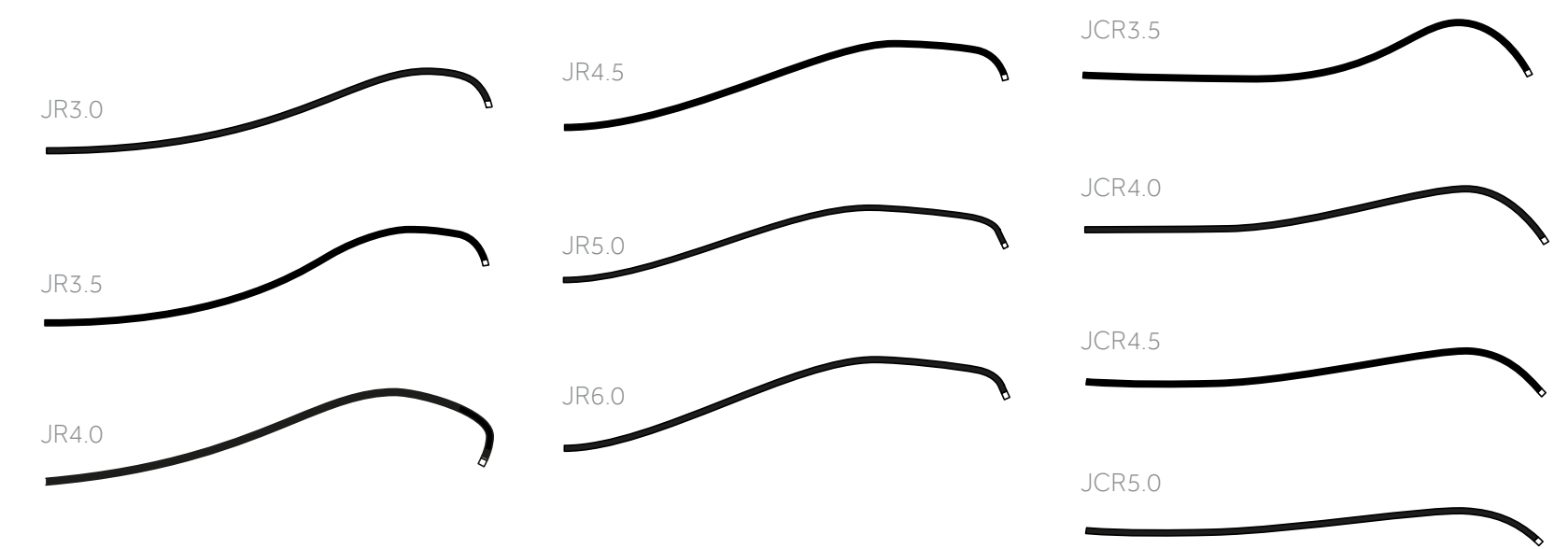
Sherpa NX™ Balanced Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange
- Lumen inner diameter: 6F = 0.070", 7F = 0.080"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



RIGHT STANDARD

| | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.080 IN.) |
|--------|------------------------|------------------------|
| JR3.0 | SB6JR30 | SB7JR30 |
| JR3.5 | SB6JR35 | SB7JR35 |
| JR4.0 | SB6JR40 | SB7JR40 |
| JR4.5 | SB6JR45 | SB7JR45 |
| JR5.0 | SB6JR50 | SB7JR50 |
| JR6.0 | SB6JR60 | SB7JR70 |
| JCR3.5 | SB6JCR35 | SB7JCR35 |
| JCR4.0 | SB6JCR40 | SB7JCR40 |
| JCR4.5 | SB6JCR45 | SB7JCR45 |
| JCR5.0 | SB6JCR50 | SB7JCR50 |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



CORONARY GUIDE CATHETER FAMILY

Sherpa NX™ Balanced Short Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange
- Lumen inner diameter: 6F = 0.070", 7F = 0.080"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



SHORT RIGHT

| | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.080 IN.) |
|-------|------------------------|------------------------|
| SR3.0 | SB6SR30 | SB7SR30 |
| SR3.5 | SB6SR35 | SB7SR35 |
| SR4.0 | SB6SR40 | SB7SR40 |
| SR4.5 | SB6SR45 | SB7SR45 |
| SR5.0 | SB6SR50 | SB7SR50 |
| SR6.0 | SB6SR60 | SB7SR70 |

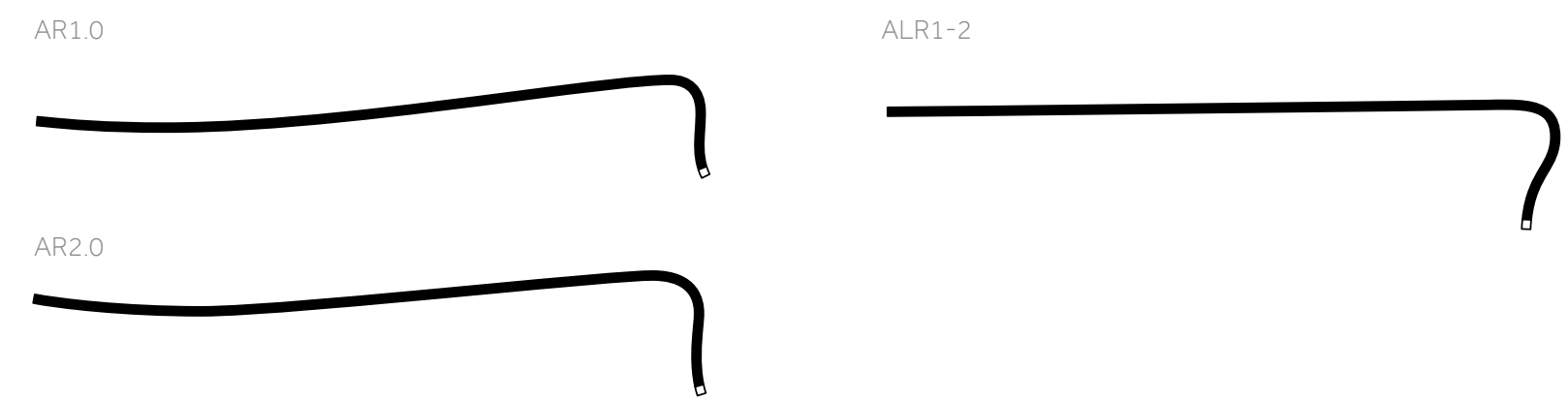
Sherpa NX™ Balanced Amplatz Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange
- Lumen inner diameter: 6F = 0.070", 7F = 0.080"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



AMPLATZ RIGHT

| | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.080 IN.) |
|--------|------------------------|------------------------|
| AR1.0 | SB6AR10 | SB7AR10 |
| AR2.0 | SB6AR20 | SB7AR20 |
| ALR1-2 | SB6ALR12 | SB7ALR12 |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

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10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



CORONARY GUIDE CATHETER FAMILY

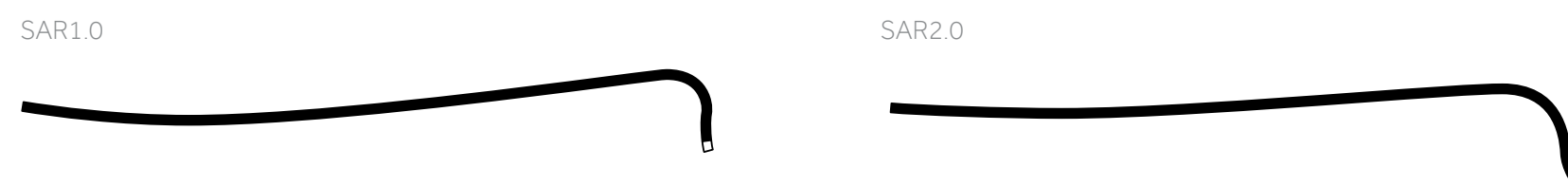
Sherpa NX™ Balanced Short Amplatz Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange
- Lumen inner diameter: 6F = 0.070", 7F = 0.080"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



SHORT AMPLATZ RIGHT

| | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.080 IN.) |
|--------|------------------------|------------------------|
| SAR1.0 | SB6SAR10 | SB7SAR10 |
| SAR2.0 | SB6SAR20 | SB7SAR20 |

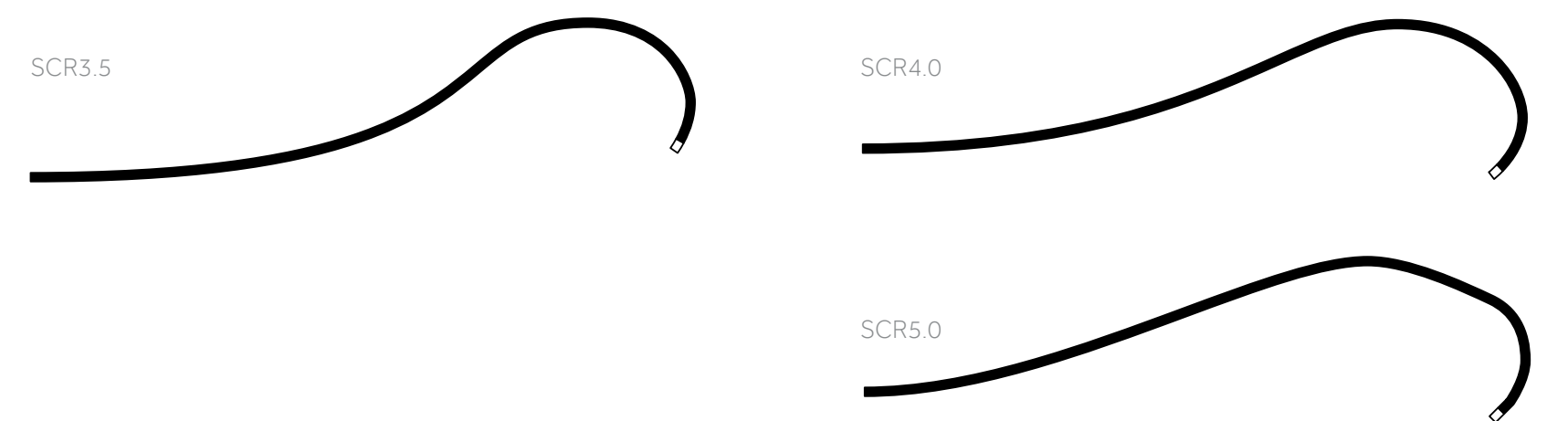
Sherpa NX™ Balanced Shepherd's Crook Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange
- Lumen inner diameter: 6F = 0.070", 7F = 0.080"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



SHEPHERD'S CROOK RIGHT

| | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.080 IN.) |
|--------|------------------------|------------------------|
| SCR3.5 | SB6SCR35 | SB7SCR35 |
| SCR4.0 | SB6SCR40 | SB7SCR40 |
| SCR5.0 | SB6SCR50 | SB7SCR50 |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



CORONARY GUIDE CATHETER FAMILY

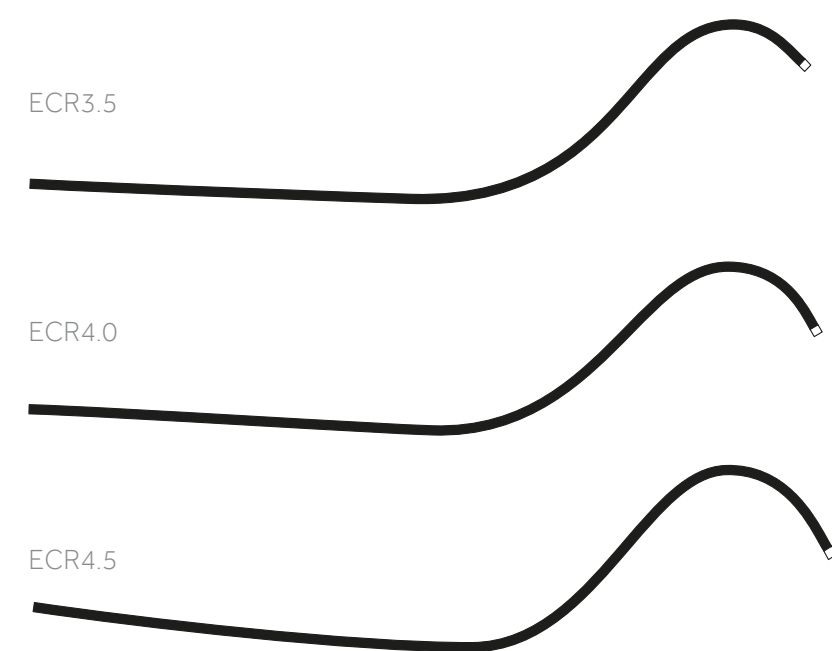
Sherpa NX™ Balanced Right Coronary Backup Support

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange
- Lumen inner diameter: 6F = 0.070", 7F = 0.080"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



ECR CURVES

| | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.080 IN.) |
|---------|------------------------|------------------------|
| ECR 3.5 | SB6ECR35 | SB7ECR35 |
| ECR 4.0 | SB6ECR40 | SB7ECR40 |
| ECR 4.5 | SB6ECR45 | SB7ECR45 |

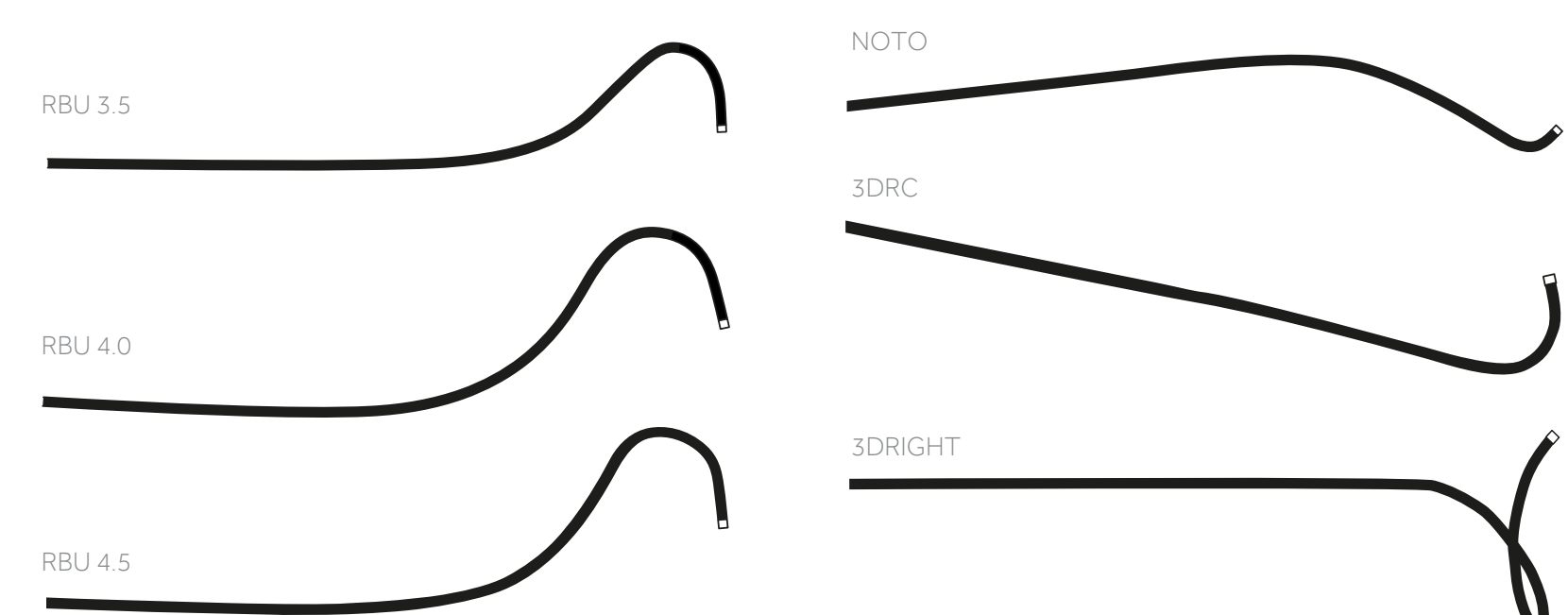
Sherpa NX™ Balanced Right Coronary Backup Support

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange
- Lumen inner diameter: 6F = 0.070", 7F = 0.080"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



BACKUP SUPPORT CURVES

| | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.080 IN.) |
|-----------------|------------------------|------------------------|
| 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 |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



CORONARY GUIDE CATHETER FAMILY

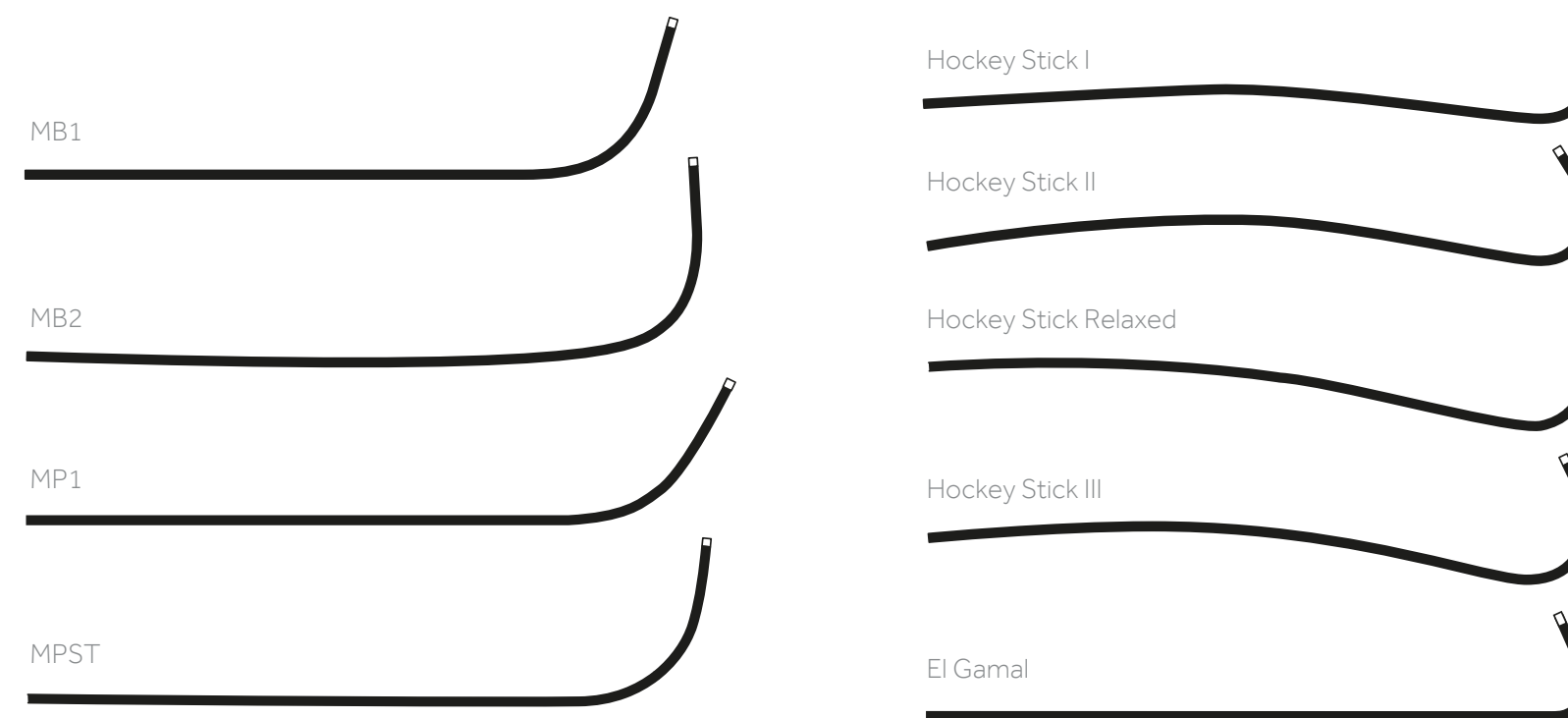
Sherpa NX™ Balanced Multipurpose Curves

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange
- Lumen inner diameter: 6F = 0.070", 7F = 0.080"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



MULTIPURPOSE

| | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.080 IN.) |
|------------------|------------------------|------------------------|
| MB1 | SB6MB1 | SB7MB1 |
| MB2 | SB6MB2 | SB7MB2 |
| MB Short Tip | SB6MPST | SB7MPST |
| MP1 | SB6MP1 | SB7MP1 |
| MP2 | SB6MP2 | SB7MP2 |
| Hockey Stick I | SB6HSI | SB7HSI |
| Hockey Stick II | SB6HSII | SB7HSII |
| HS II Relaxed | SB6RMHSII | SB7RMHSII |
| Hockey Stick III | SB6HSIII | SB7HSIII |
| El Gamal | SB6ELGAMAL | SB7ELGAMAL |

Sherpa NX™ Balanced Other Curves

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange
- Lumen inner diameter: 6F = 0.070", 7F = 0.080"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



MAC (MULTI-AORTIC CURVES)

| | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.080 IN.) |
|---------|------------------------|------------------------|
| MAC3.0 | SB6MAC30 | SB7MAC30 |
| MAC3.5 | SB6MAC35 | SB7MAC35 |
| MAC3.75 | SB6MAC375 | SB7MAC375 |
| MAC4.0 | SB6MAC40 | SB7MAC40 |
| MAC4.5 | SB6MAC45 | SB7MAC45 |
| MAC5.0 | SB6MAC50 | SB7MAC50 |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

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8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



CORONARY GUIDE CATHETER FAMILY

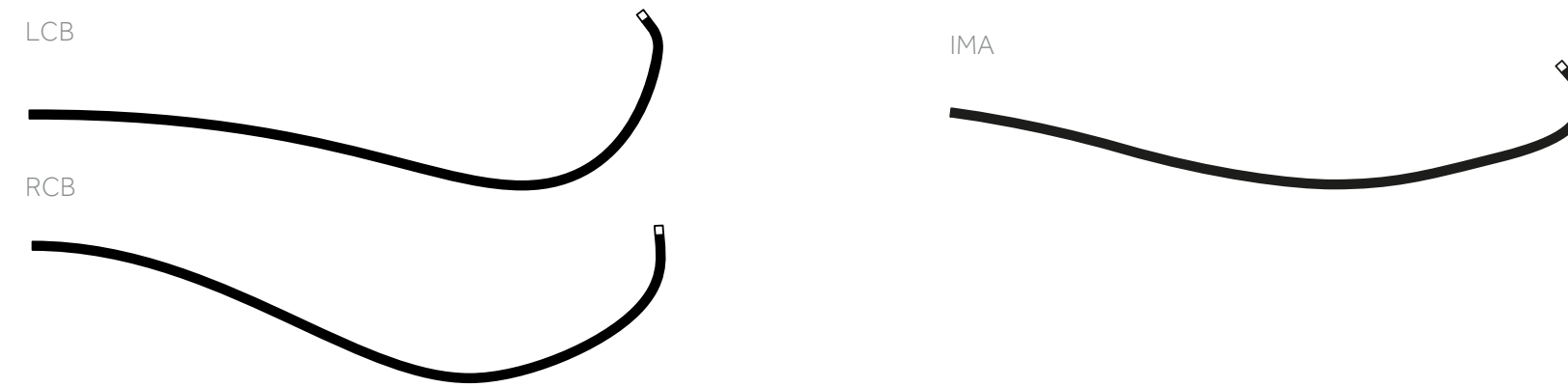
Sherpa NX™ Balanced Bypass Curves

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange
- Lumen inner diameter: 6F = 0.070", 7F = 0.080"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



BYPASS CURVES

| | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.080 IN.) |
|-------------|------------------------|------------------------|
| LCB | SB6LCB | SB7LCB |
| LCB (90 cm) | SB6LCBD | SB7LCBD |
| RCB | SB6RCB | SB7RCB |
| RCB (90 cm) | SB6RCBD | SB7RCBD |
| IMA | SB6IMA | SB7IMA |
| IMA (90 cm) | SB6IMAD | SB7IMAD |

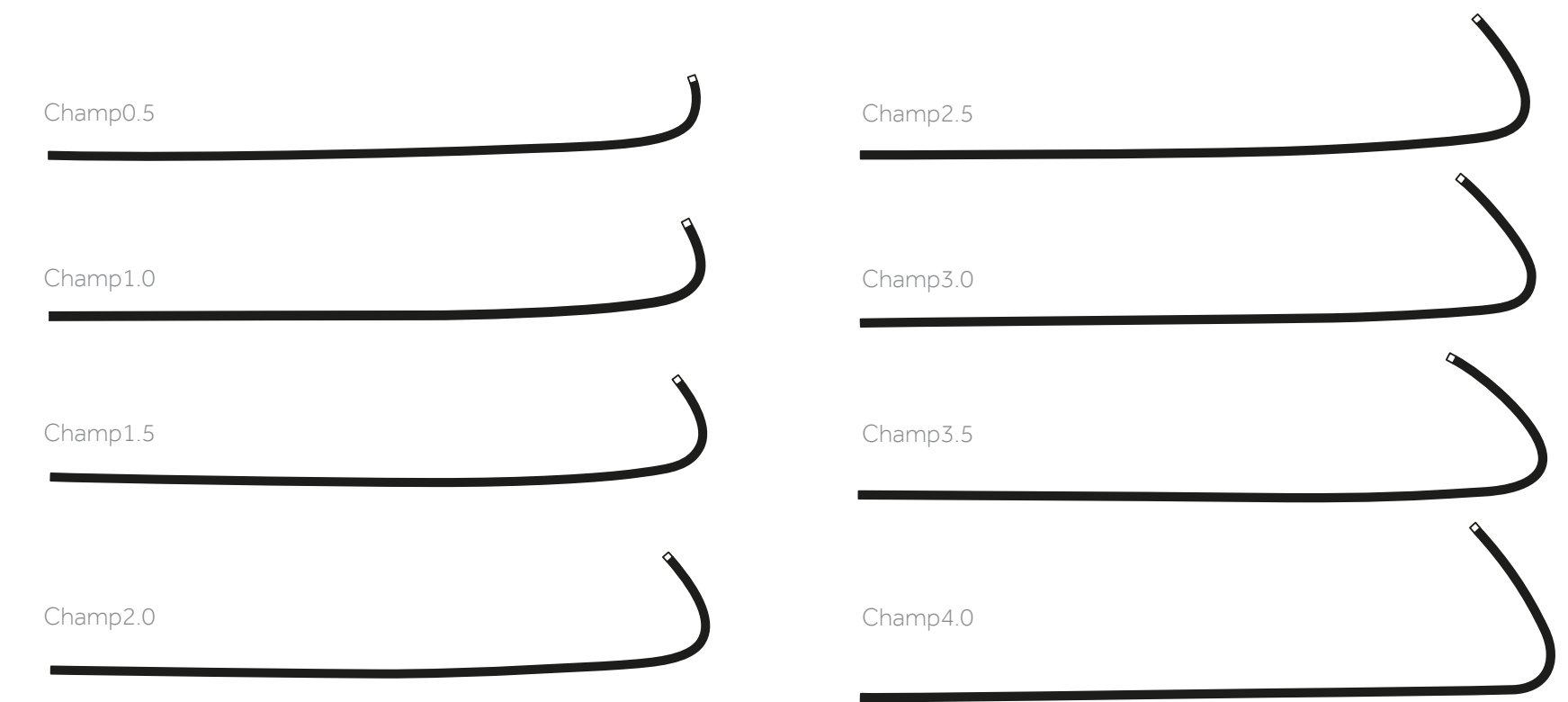
Sherpa NX™ Balanced Other Curves

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange
- Lumen inner diameter: 6F = 0.070", 7F = 0.080"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



CHAMP

| | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.080 IN.) |
|-----------|------------------------|------------------------|
| CHAMP 0.5 | SB6CHAMP05 | SB7CHAMP05 |
| CHAMP 10 | SB6CHAMP10 | SB7CHAMP10 |
| CHAMP 15 | SB6CHAMP15 | SB7CHAMP15 |
| CHAMP 20 | SB6CHAMP20 | SB7CHAMP20 |
| CHAMP 25 | SB6CHAMP25 | SB7CHAMP25 |
| CHAMP 30 | SB6CHAMP30 | SB7CHAMP30 |
| CHAMP 35 | SB6CHAMP35 | SB7CHAMP35 |
| CHAMP 40 | SB6CHAMP40 | SB7CHAMP40 |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

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10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



CORONARY GUIDE CATHETER FAMILY

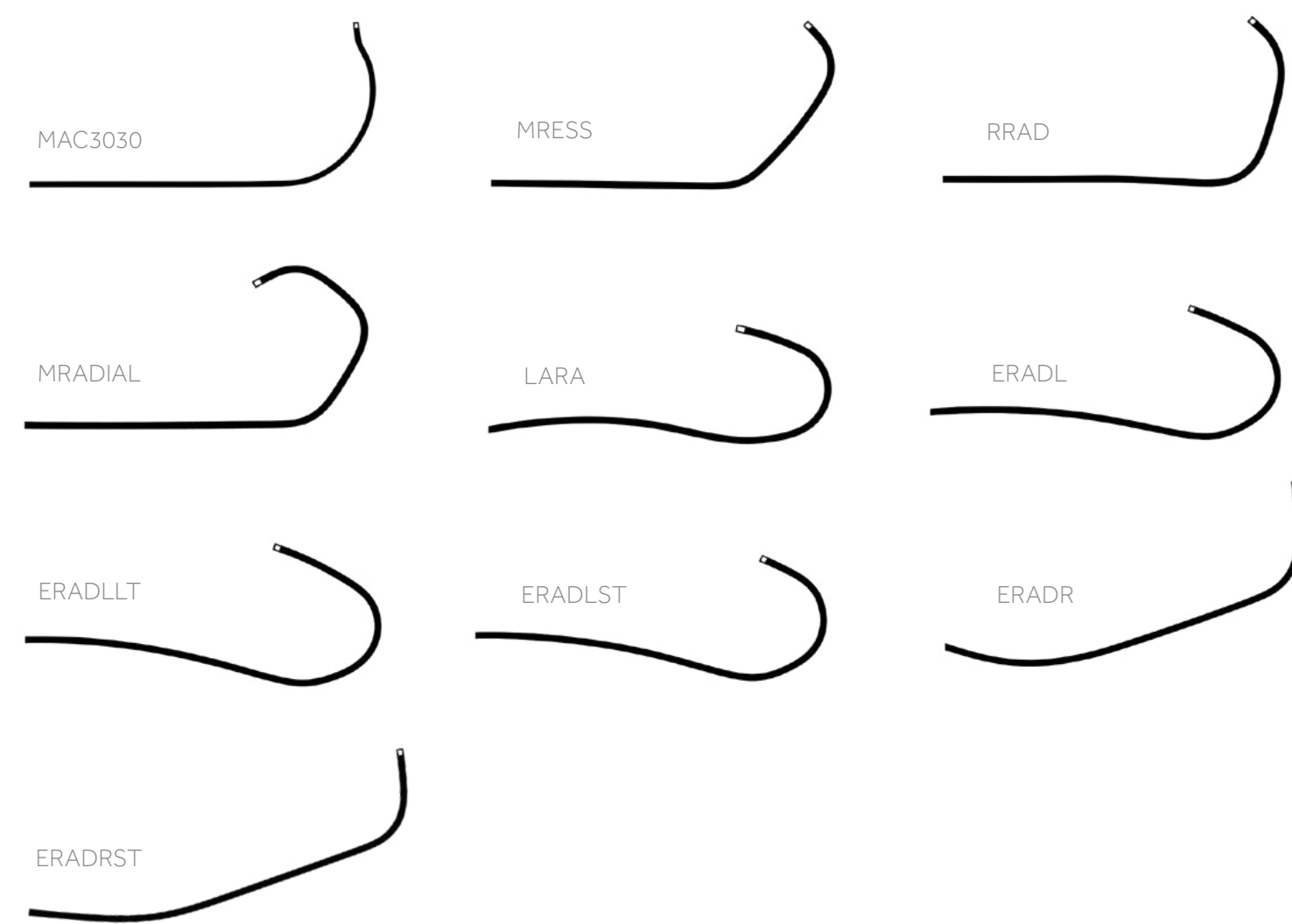
Sherpa NX™ Balanced Radial Curves

GENERAL CHARACTERISTICS

- Supplied sterile, Items per box: 1
- Label colour: 6F = Green, 7F = Orange
- Lumen inner diameter: 6F = 0.070", 7F = 0.080"

PRODUCT DESCRIPTION

Soft tip and distal sleeve to facilitate ease of engagement. Advanced HDPE liner for smooth, low friction device passage



RADIAL CURVES

| | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.080 IN.) |
|--------------|------------------------|------------------------|
| MRADIAL | SB6MRADIAL | SB7MRADIAL |
| MRESS | SB6MRESS | SB7MRESS |
| RIGHT RADIAL | SB6RRAD | SB7RRAD |
| ERADL | SB6ERADL | |
| ERADLLT | SB6ERADLLT | |
| ERADLST | SB6ERADLST | |
| ERADR | SB6ERADR | |
| ERADRST | SB6ERADRST | |

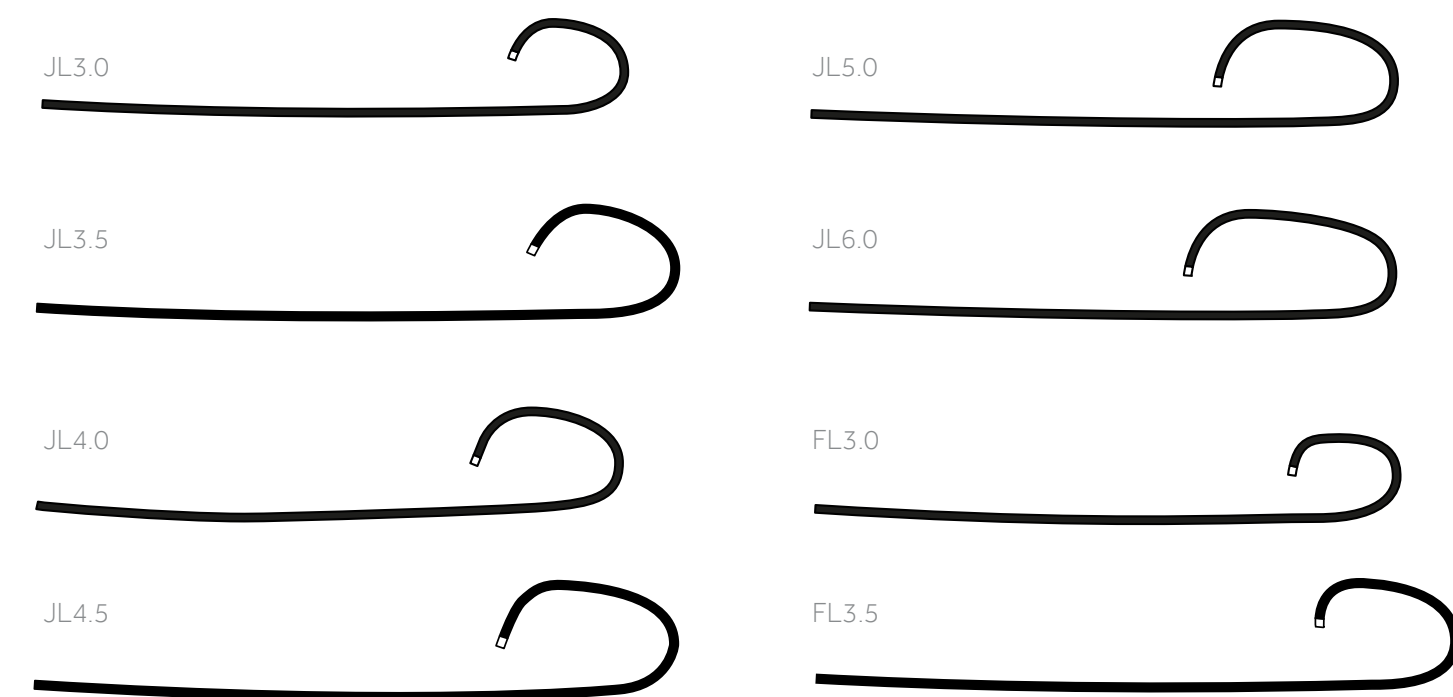
Zuma2™ Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



LEFT CORONARY

| | 5F (I.D. 0.058 IN.) | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.081 IN.) | 8F (I.D. 0.091 IN.) |
|-------|------------------------|------------------------|------------------------|------------------------|
| JL3.0 | ZM5JL30 | Z26JL30 | Z27JL30 | Z28JL30 |
| JL3.5 | ZM5JL35 | Z26JL35 | Z27JL35 | Z28JL35 |
| JL4.0 | ZM5JL40 | Z26JL40 | Z27JL40 | Z28JL40 |
| JL4.5 | ZM5JL45 | Z26JL45 | Z27JL45 | Z28JL45 |
| JL5.0 | ZM5JL50 | Z26JL50 | Z27JL50 | Z28JL50 |
| JL6.0 | ZM5JL60 | Z26JL60 | Z27JL60 | Z28JL60 |
| FL3.0 | ZM5FL30 | Z26FL30 | Z27FL30 | Z28FL30 |
| FL3.5 | ZM5FL35 | Z26FL35 | Z27FL35 | Z28FL35 |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

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12. RENAL DENERVATION



CORONARY GUIDE CATHETER FAMILY

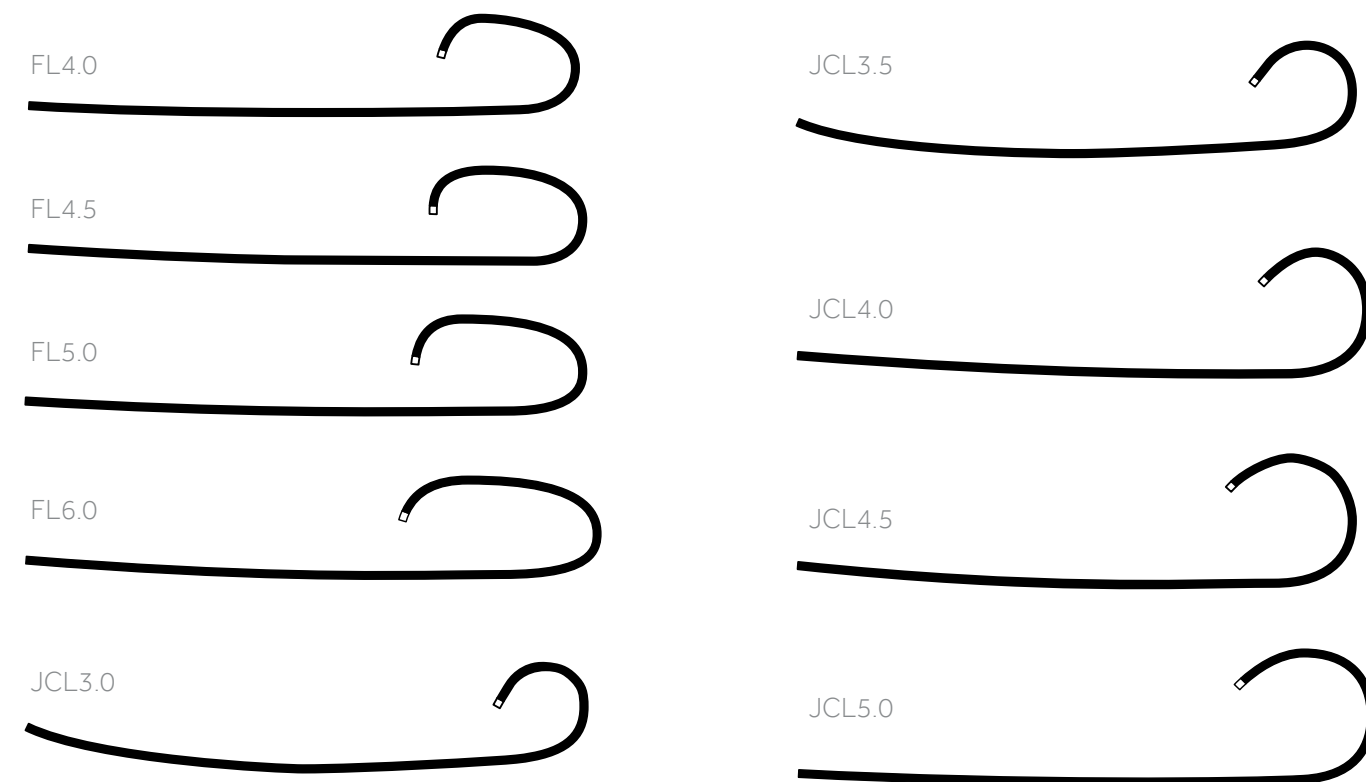
Zuma2™ Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



LEFT CORONARY

| | 5F (I.D. 0.058 IN.) | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.081 IN.) | 8F (I.D. 0.091 IN.) |
|--------|------------------------|------------------------|------------------------|------------------------|
| FL4.0 | ZM5FL40 | Z26FL40 | Z27FL40 | Z28FL40 |
| FL4.5 | ZM5FL45 | Z26FL45 | Z27FL45 | Z28FL45 |
| FL5.0 | ZM5FL50 | Z26FL50 | Z27FL50 | Z28FL50 |
| FL6.0 | ZM5FL60 | Z26FL60 | Z27FL60 | Z28FL60 |
| JCL3.0 | ZM5JCL30 | Z26JCL30 | Z27JCL30 | Z28JCL30 |
| JCL3.5 | ZM5JCL35 | Z26JCL35 | Z27JCL35 | Z28JCL35 |
| JCL4.0 | ZM5JCL40 | Z26JCL40 | Z27JCL40 | Z28JCL40 |
| JCL4.5 | ZM5JCL45 | Z26JCL45 | Z27JCL45 | Z28JCL45 |
| JCL5.0 | ZM5JCL50 | Z26JCL50 | Z27JCL50 | Z28JCL50 |

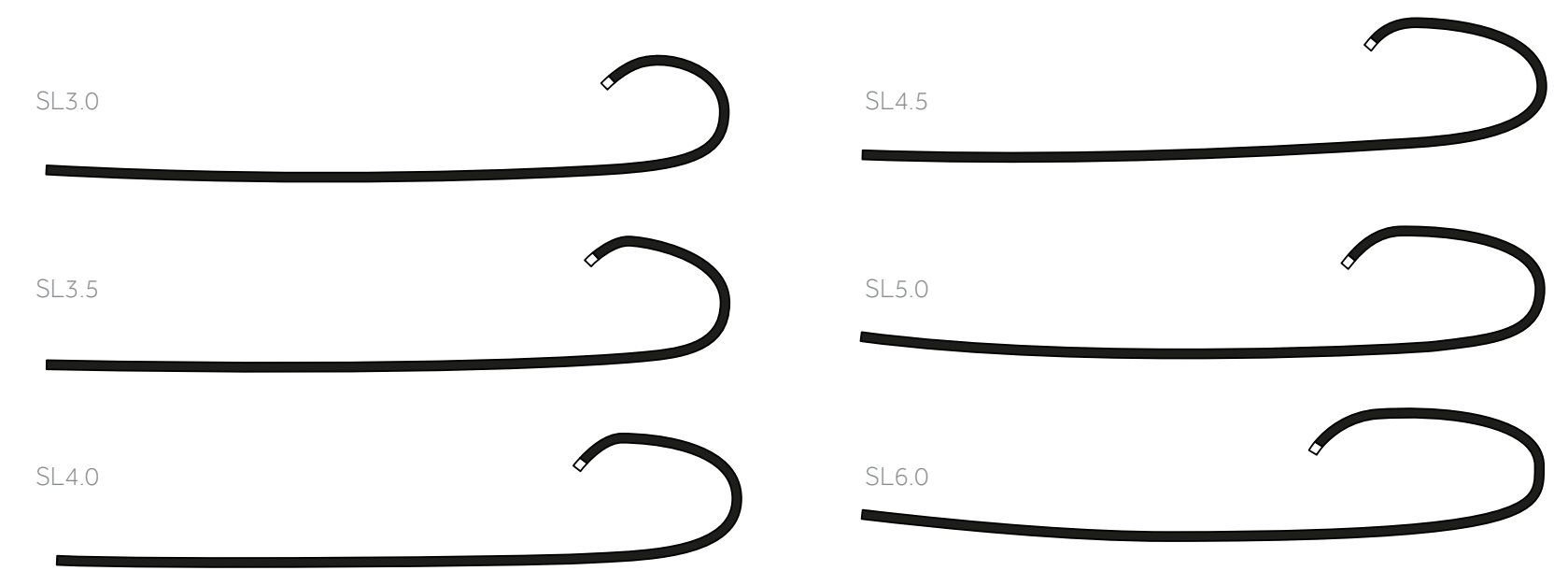
Zuma2™ Short Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



SHORT TIP LEFT CORONARY

| | 5F (I.D. 0.058 IN.) | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.081 IN.) | 8F (I.D. 0.091 IN.) |
|-------|------------------------|------------------------|------------------------|------------------------|
| SL3.0 | ZM5SL30 | Z26SL30 | Z27SL30 | Z28SL30 |
| SL3.5 | ZM5SL35 | Z26SL35 | Z27SL35 | Z28SL35 |
| SL4.0 | ZM5SL40 | Z26SL40 | Z27SL40 | Z28SL40 |
| SL4.5 | ZM5SL45 | Z26SL45 | Z27SL45 | Z28SL45 |
| SL5.0 | ZM5SL50 | Z26SL50 | Z27SL50 | Z28SL50 |
| SL6.0 | ZM5SL60 | Z26SL60 | Z27SL60 | Z28SL60 |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

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6. SUPPORT CATHETER

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12. RENAL DENERVATION



CORONARY GUIDE CATHETER FAMILY

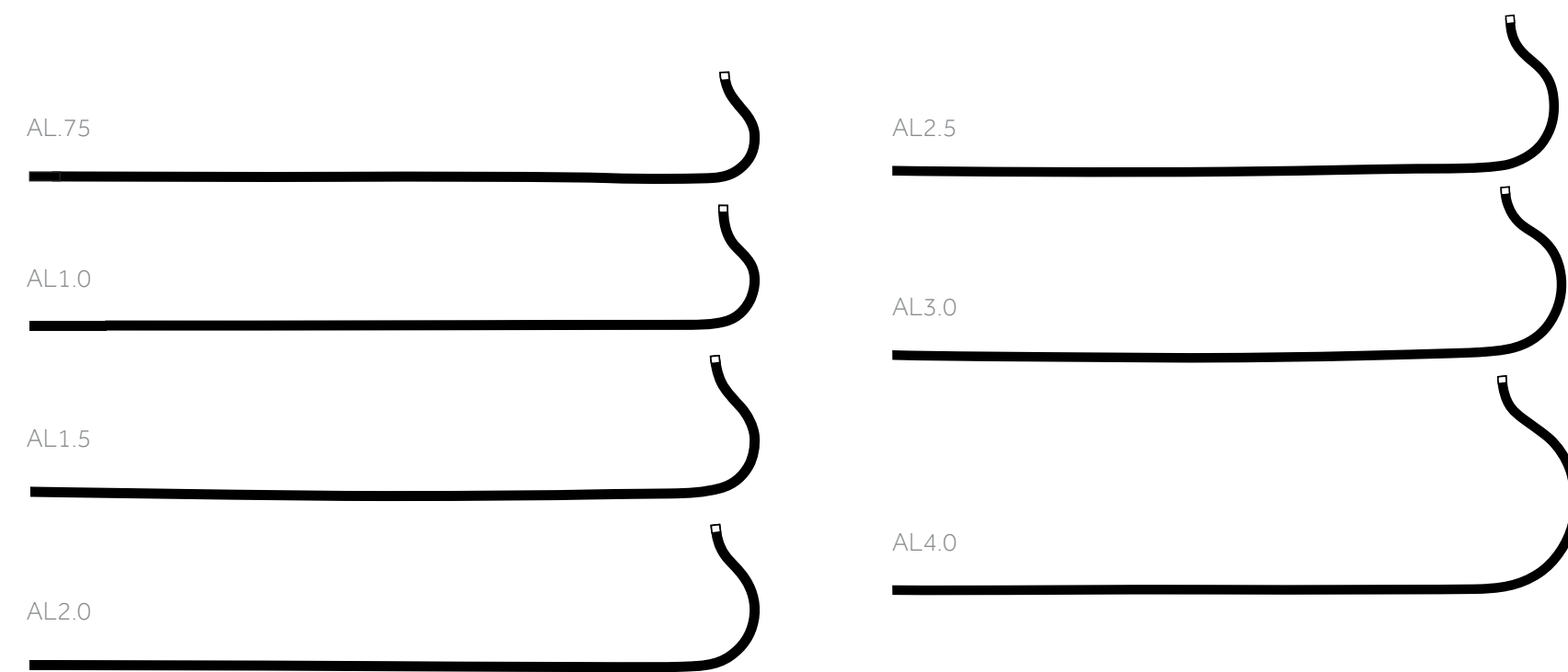
Zuma2™ Amplatz Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



AMPLATZ LEFT

| | 5F (I.D. 0.058 IN.) | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.081 IN.) | 8F (I.D. 0.091 IN.) |
|--------|------------------------|------------------------|------------------------|------------------------|
| AL 7.5 | ZM5AL75 | Z26AL75 | Z27AL75 | Z28AL75 |
| AL 1.0 | ZM5AL10 | Z26AL10 | Z27AL10 | Z28AL10 |
| AL 1.5 | ZM5AL15 | Z26AL15 | Z27AL15 | Z28AL15 |
| AL 2.0 | ZM5AL20 | Z26AL20 | Z27AL20 | Z28AL20 |
| AL 2.5 | ZM5AL25 | Z26AL25 | Z27AL25 | Z28AL25 |
| AL 3.0 | ZM5AL30 | Z26AL30 | Z27AL30 | Z28AL30 |
| AL 4.0 | ZM5AL40 | Z26AL40 | Z27AL40 | Z28AL40 |

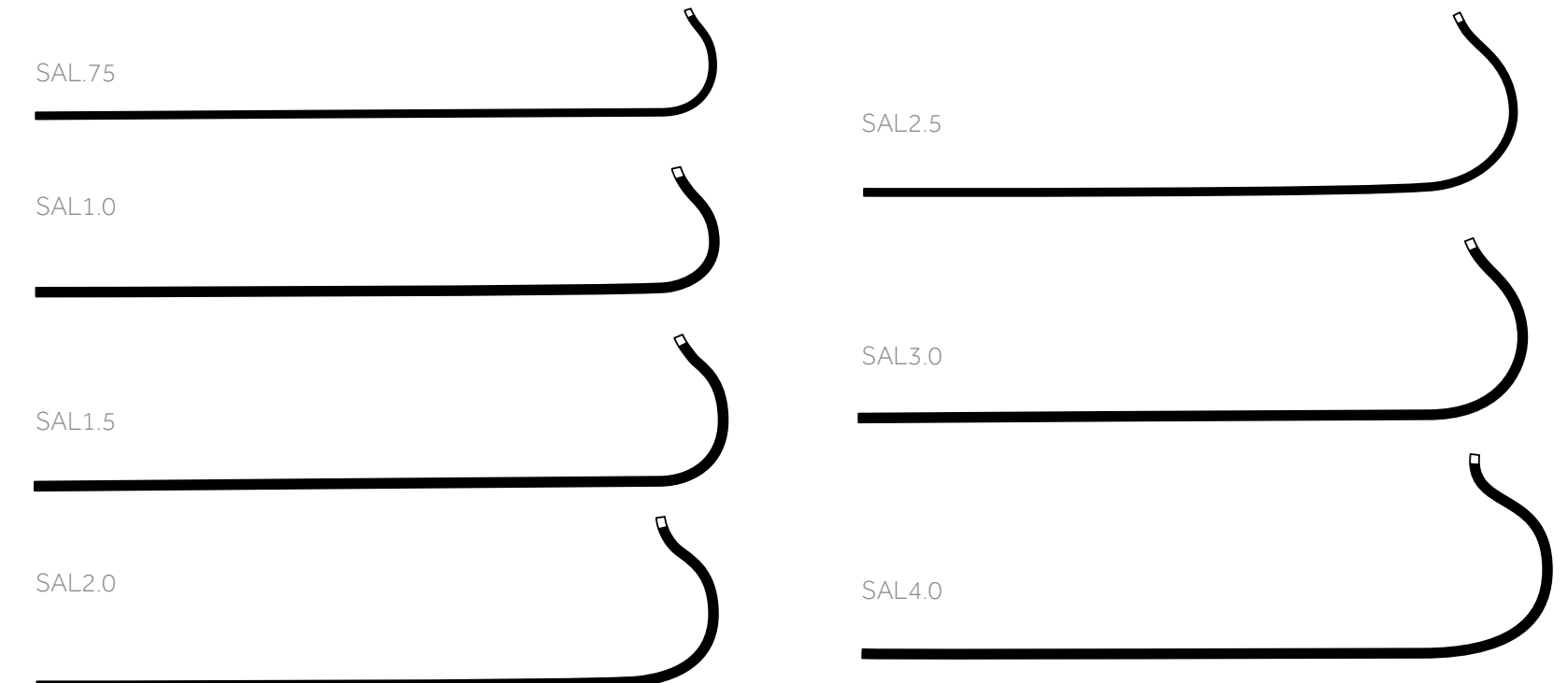
Zuma2™ Short Amplatz Left Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



SHORT TIP AMPLATZ LEFT

| | 5F (I.D. 0.058 IN.) | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.081 IN.) | 8F (I.D. 0.091 IN.) |
|---------|------------------------|------------------------|------------------------|------------------------|
| SAL 7.5 | ZM5SAL75 | Z26SAL75 | Z27SAL75 | Z28SAL75 |
| SAL 1.0 | ZM5SAL10 | Z26SAL10 | Z27SAL10 | Z28SAL10 |
| SAL 1.5 | ZM5SAL15 | Z26SAL15 | Z27SAL15 | Z28SAL15 |
| SAL 2.0 | ZM5SAL20 | Z26SAL20 | Z27SAL20 | Z28SAL20 |
| SAL 2.5 | ZM5SAL25 | Z26SAL25 | Z27SAL25 | Z28SAL25 |
| SAL 3.0 | ZM5SAL30 | Z26SAL30 | Z27SAL30 | Z28SAL30 |
| SAL 4.0 | ZM5SAL40 | Z26SAL40 | Z27SAL40 | Z28SAL40 |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

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10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



CORONARY GUIDE CATHETER FAMILY

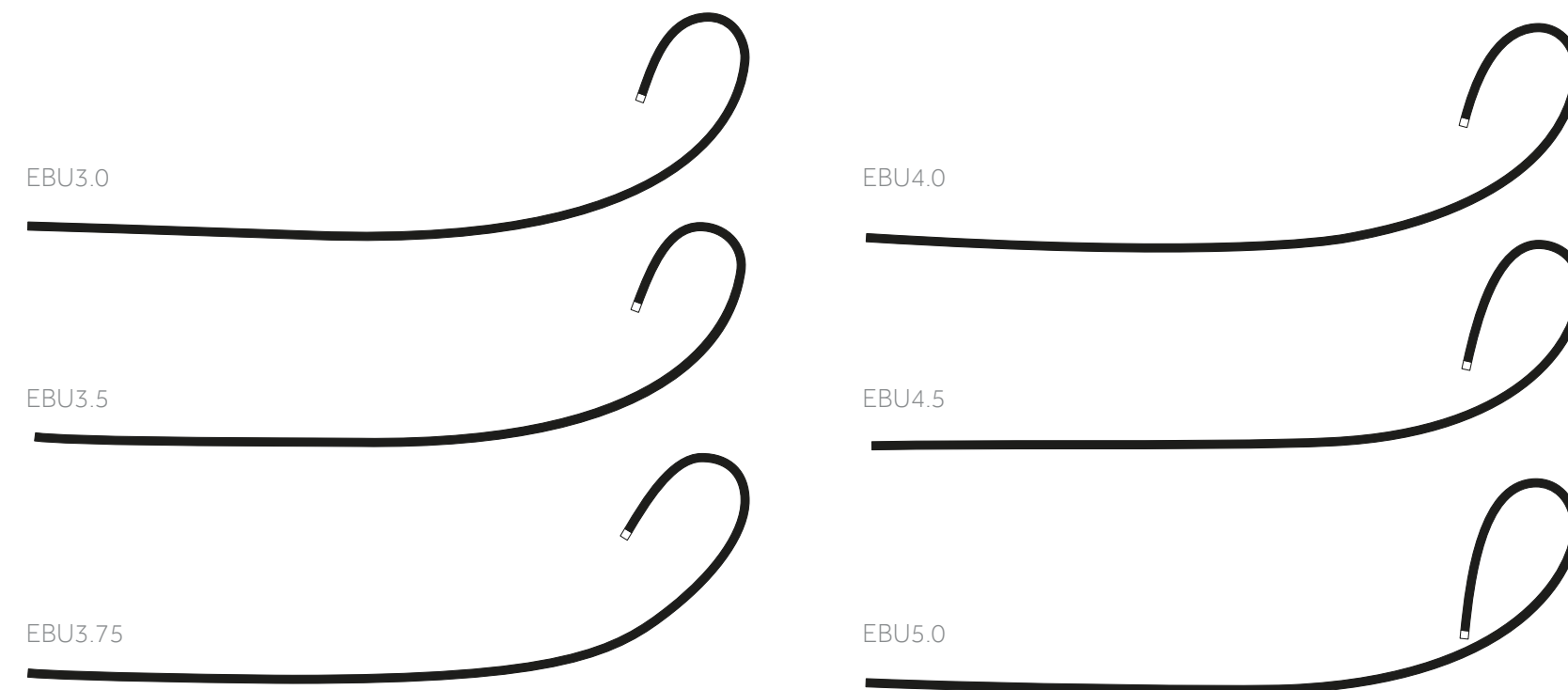
Zuma2™ Left Coronary Backup Support

GENERAL CHARACTERISTICS

- Supplied sterile items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



EBU (EXTRA BACKUP)

| | 5F (I.D. 0.058 IN.) | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.081 IN.) | 8F (I.D. 0.091 IN.) |
|---------|------------------------|------------------------|------------------------|------------------------|
| EBU3.0 | ZM5EBU30 | Z26EBU30 | Z27EBU30 | Z28EBU30 |
| EBU3.5 | ZM5EBU35 | Z26EBU35 | Z27EBU35 | Z28EBU35 |
| EBU3.75 | ZM5EBU375 | Z26EBU375 | Z27EBU375 | Z28EBU375 |
| EBU4.0 | ZM5EBU40 | Z26EBU40 | Z27EBU40 | Z28EBU40 |
| EBU4.5 | ZM5EBU45 | Z26EBU45 | Z27EBU45 | Z28EBU45 |
| EBU5.0 | ZM5EBU50 | Z26EBU50 | Z27EBU50 | Z28EBU50 |

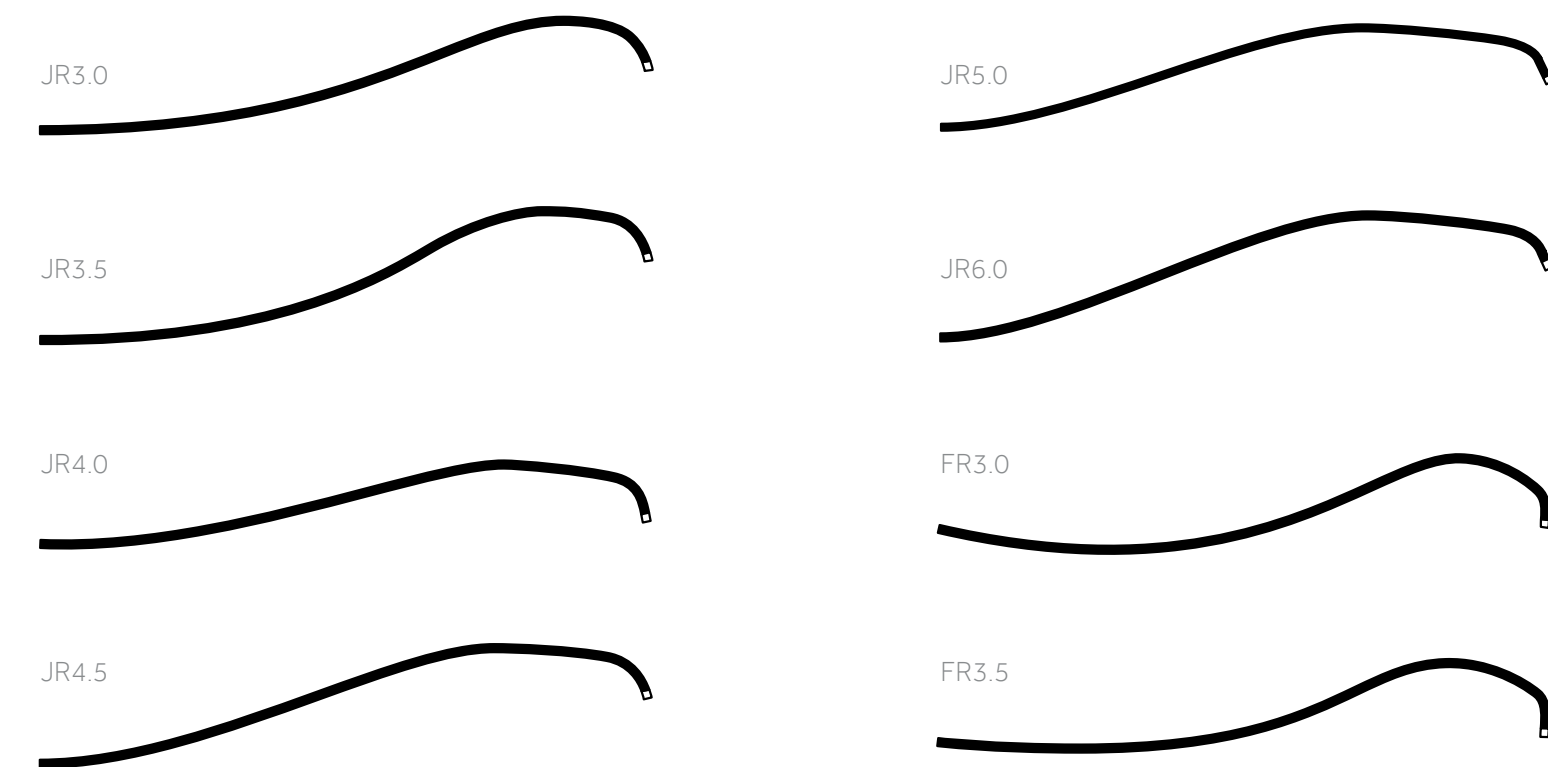
Zuma2™ Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



RIGHT CORONARY CURVE

| | 5F (I.D. 0.058 IN.) | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.081 IN.) | 8F (I.D. 0.091 IN.) |
|-------|------------------------|------------------------|------------------------|------------------------|
| JR3.0 | ZM5JR30 | Z26JR30 | Z27JR30 | Z28JR30 |
| JR3.5 | ZM5JR35 | Z26JR35 | Z27JR35 | Z28JR35 |
| JR4.0 | ZM5JR40 | Z26JR40 | Z27JR40 | Z28JR40 |
| JR4.5 | ZM5JR45 | Z26JR45 | Z27JR45 | Z28JR45 |
| JR5.0 | ZM5JR50 | Z26JR50 | Z27JR50 | Z28JR50 |
| JR6.0 | ZM5JR60 | Z26JR60 | Z27JR60 | Z28JR60 |
| FR3.0 | ZM5FR30 | Z26FR30 | Z27FR30 | Z28FR30 |
| FR3.5 | ZM5FR35 | Z26FR35 | Z27FR35 | Z28FR35 |

PORTFOLIO

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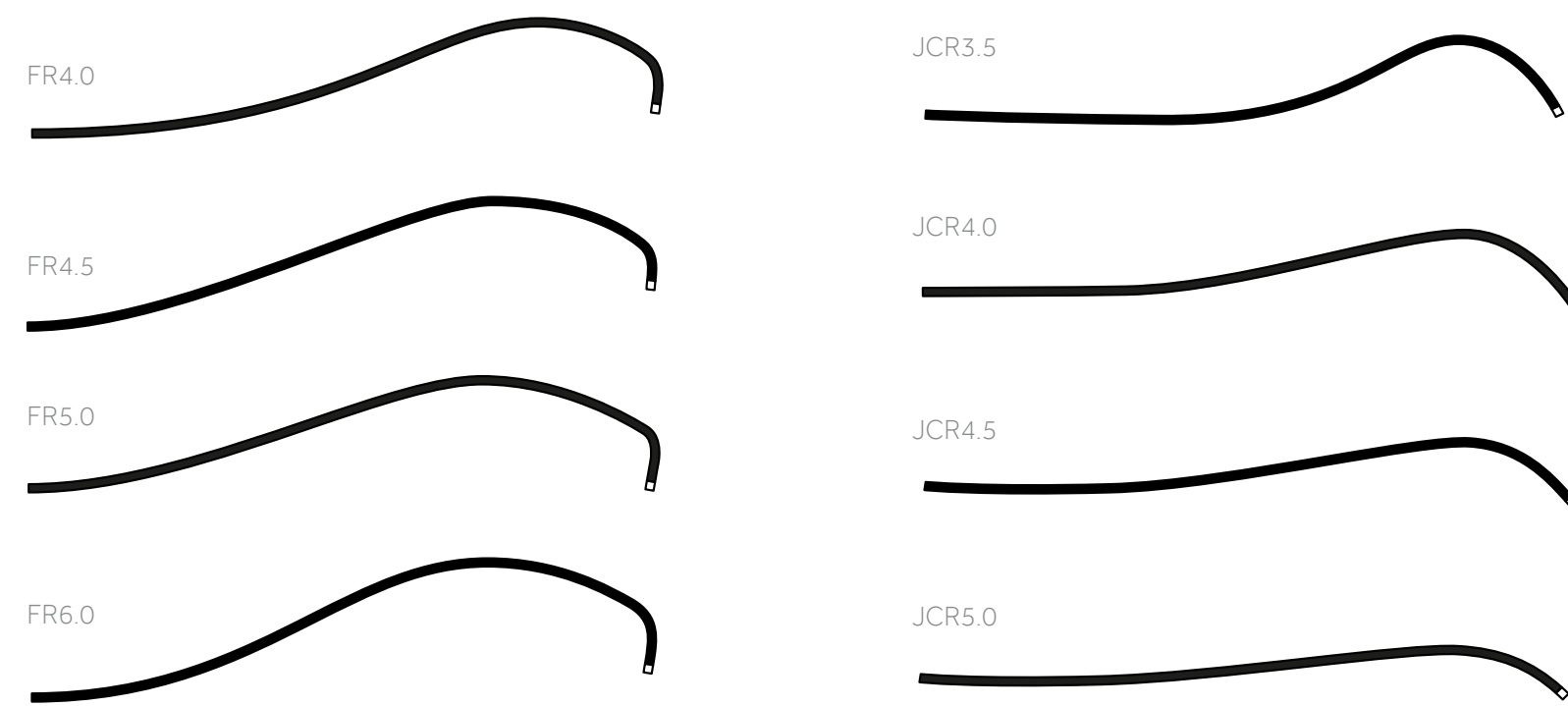
Zuma2™ Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



RIGHT CORONARY CURVE

| | 5F (I.D. 0.058 IN.) | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.081 IN.) | 8F (I.D. 0.091 IN.) |
|--------|------------------------|------------------------|------------------------|------------------------|
| FR4.0 | ZM5FR40 | Z26FR40 | Z27FR40 | Z28FR40 |
| FR4.5 | ZM5FR45 | Z26FR45 | Z27FR45 | Z28FR45 |
| FR5.0 | ZM5FR50 | Z26FR50 | Z27FR50 | Z28FR50 |
| FR6.0 | ZM5FR60 | Z26FR60 | Z27FR60 | Z28FR60 |
| JCR3.5 | ZM5JCR35 | Z26JCR35 | Z27JCR35 | Z28JCR35 |
| JCR4.0 | ZM5JCR40 | Z26JCR40 | Z27JCR40 | Z28JCR40 |
| JCR4.5 | ZM5JCR45 | Z26JCR45 | Z27JCR45 | Z28JCR45 |
| JCR5.0 | ZM5JCR50 | Z26JCR50 | Z27JCR50 | Z28JCR50 |

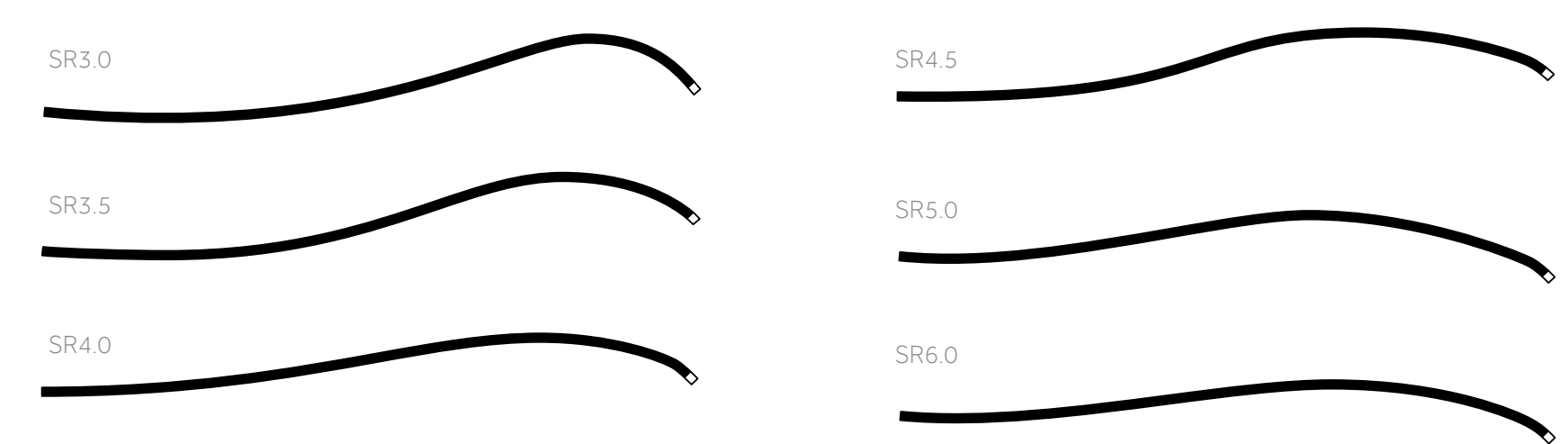
Zuma2™ Short Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



SHORT TIP RIGHT CORONARY

| | 5F (I.D. 0.058 IN.) | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.081 IN.) | 8F (I.D. 0.091 IN.) |
|-------|------------------------|------------------------|------------------------|------------------------|
| SR3.0 | ZM5SR30 | Z26SR30 | Z27SR30 | Z28SR30 |
| SR3.5 | ZM5SR35 | Z26SR35 | Z27SR35 | Z28SR35 |
| SR4.0 | ZM5SR40 | Z26SR40 | Z27SR40 | Z28SR40 |
| SR4.5 | ZM5SR45 | Z26SR45 | Z27SR45 | Z28SR45 |
| SR5.0 | ZM5SR50 | Z26SR50 | Z27SR50 | Z28SR50 |
| SR6.0 | ZM5SR60 | Z26SR60 | Z27SR60 | Z28SR60 |



PORTFOLIO

1. DRUG ELUTING STENTS

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12. RENAL DENERVATION



CORONARY GUIDE CATHETER FAMILY

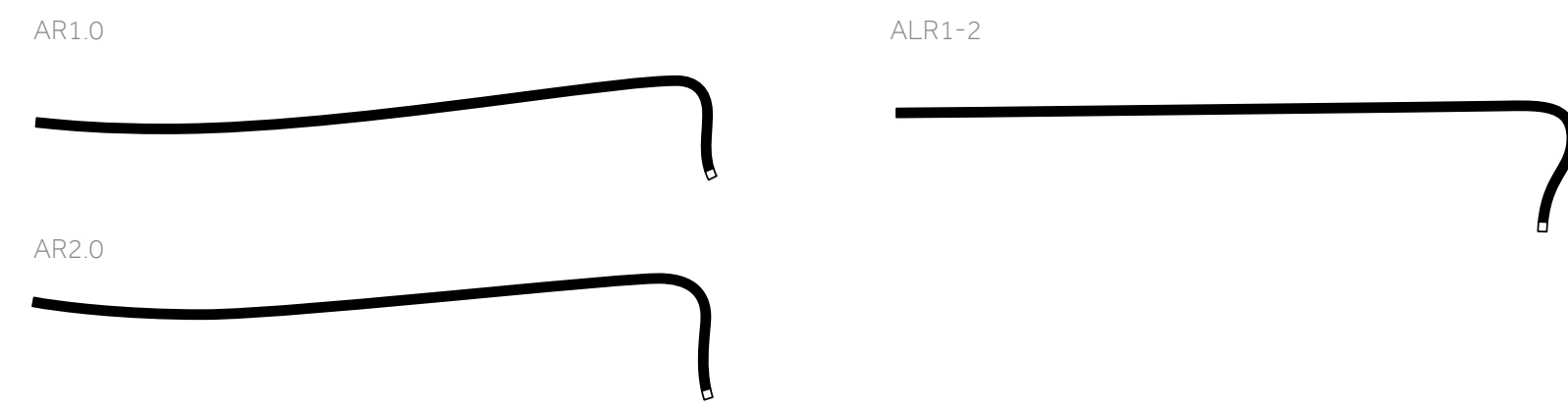
Zuma2™ Amplatz Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



AMPLATZ RIGHT

| | 5F (I.D. 0.058 IN.) | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.081 IN.) | 8F (I.D. 0.091 IN.) |
|--------|------------------------|------------------------|------------------------|------------------------|
| AR1.0 | ZM5AR10 | Z26AR10 | Z27AR10 | Z28AR10 |
| AR2.0 | ZM5AR20 | Z26AR20 | Z27AR20 | Z28AR20 |
| ALR1-2 | ZM5ALR12 | Z26ALR12 | Z27ALR12 | Z28ALR12 |

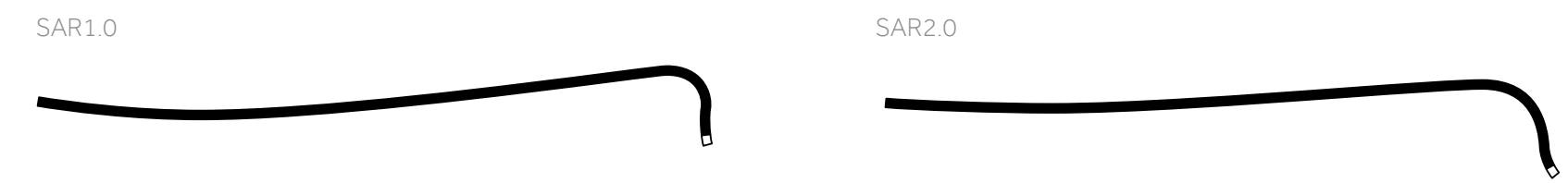
Zuma2™ Short Amplatz Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



SHORT TIP AMPLATZ RIGHT

| | 5F (I.D. 0.058 IN.) | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.081 IN.) | 8F (I.D. 0.091 IN.) |
|--------|------------------------|------------------------|------------------------|------------------------|
| SAR1.0 | ZM5SAR10 | Z26SAR10 | Z27SAR10 | Z28SAR10 |
| SAR2.0 | ZM5SAR20 | Z26SAR20 | Z27SAR20 | Z28SAR20 |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



CORONARY GUIDE CATHETER FAMILY

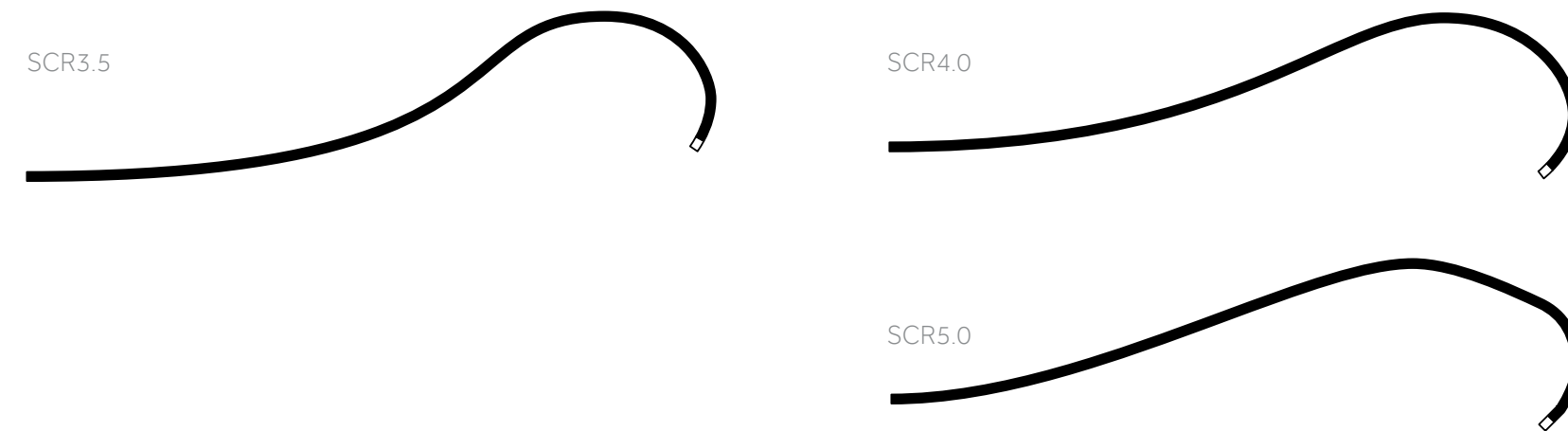
Zuma2™ Shepherd's Crook Right Coronary Curve

GENERAL CHARACTERISTICS

- Supplied sterile items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



SHEPHERD'S CROOK RIGHT

| | 5F (I.D. 0.058 IN.) | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.081 IN.) | 8F (I.D. 0.091 IN.) |
|--------|------------------------|------------------------|------------------------|------------------------|
| SCR3.5 | ZM5SCR35 | Z26SCR35 | Z27SCR35 | Z28SCR35 |
| SCR4.0 | ZM5SCR40 | Z26SCR40 | Z27SCR40 | Z28SCR40 |
| SCR5.0 | ZM5SCR50 | Z26SCR50 | Z27SCR50 | Z28SCR50 |

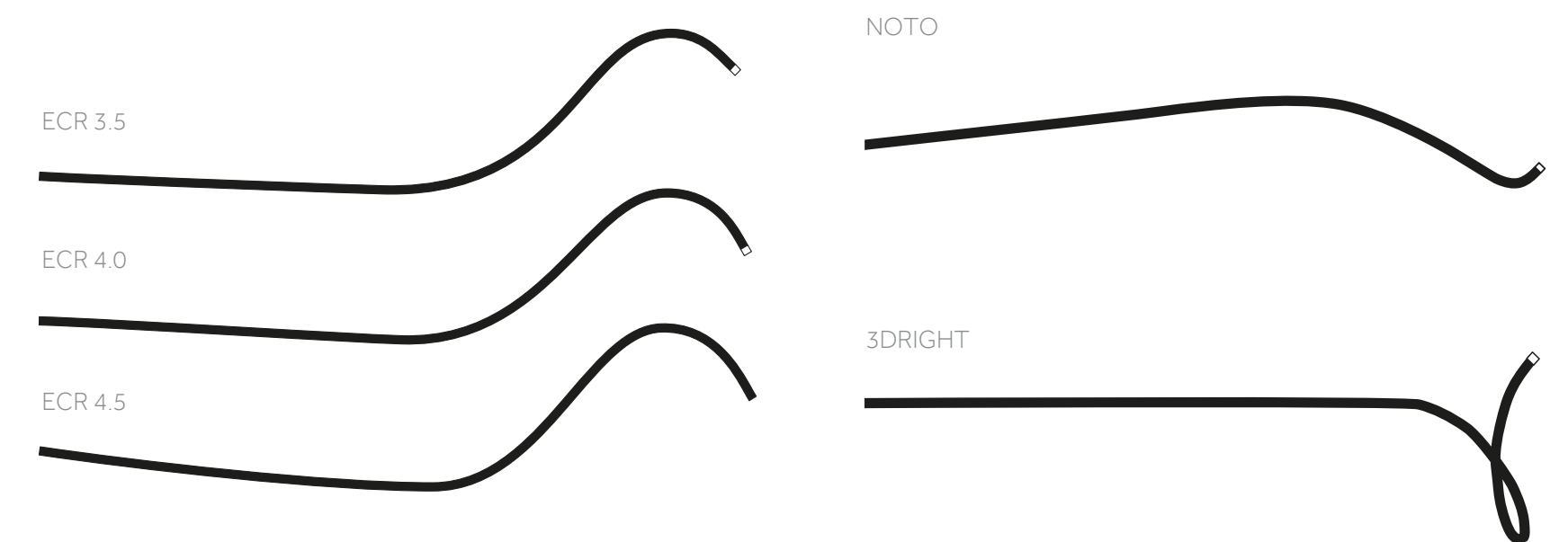
Zuma2™ Right Coronary Backup Support

GENERAL CHARACTERISTICS

- Supplied sterile items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



ECR CURVES

| | 5F (I.D. 0.058 IN.) | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.081 IN.) | 8F (I.D. 0.091 IN.) |
|-----------------|------------------------|------------------------|------------------------|------------------------|
| ECR 3.5 | | Z26ECR35 | Z27ECR35 | Z28ECR35 |
| ECR 4.0 | | Z26ECR40 | Z27ECR40 | Z28ECR40 |
| ECR 4.5 | | Z26ECR45 | Z27ECR45 | Z28ECR45 |
| 3D RIGHT | - | Z263DRIGHT | | |
| NO TORQUE Right | ZM5NOTO | Z26NOTO | Z27NOTO | Z28NOTO |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



CORONARY GUIDE CATHETER FAMILY

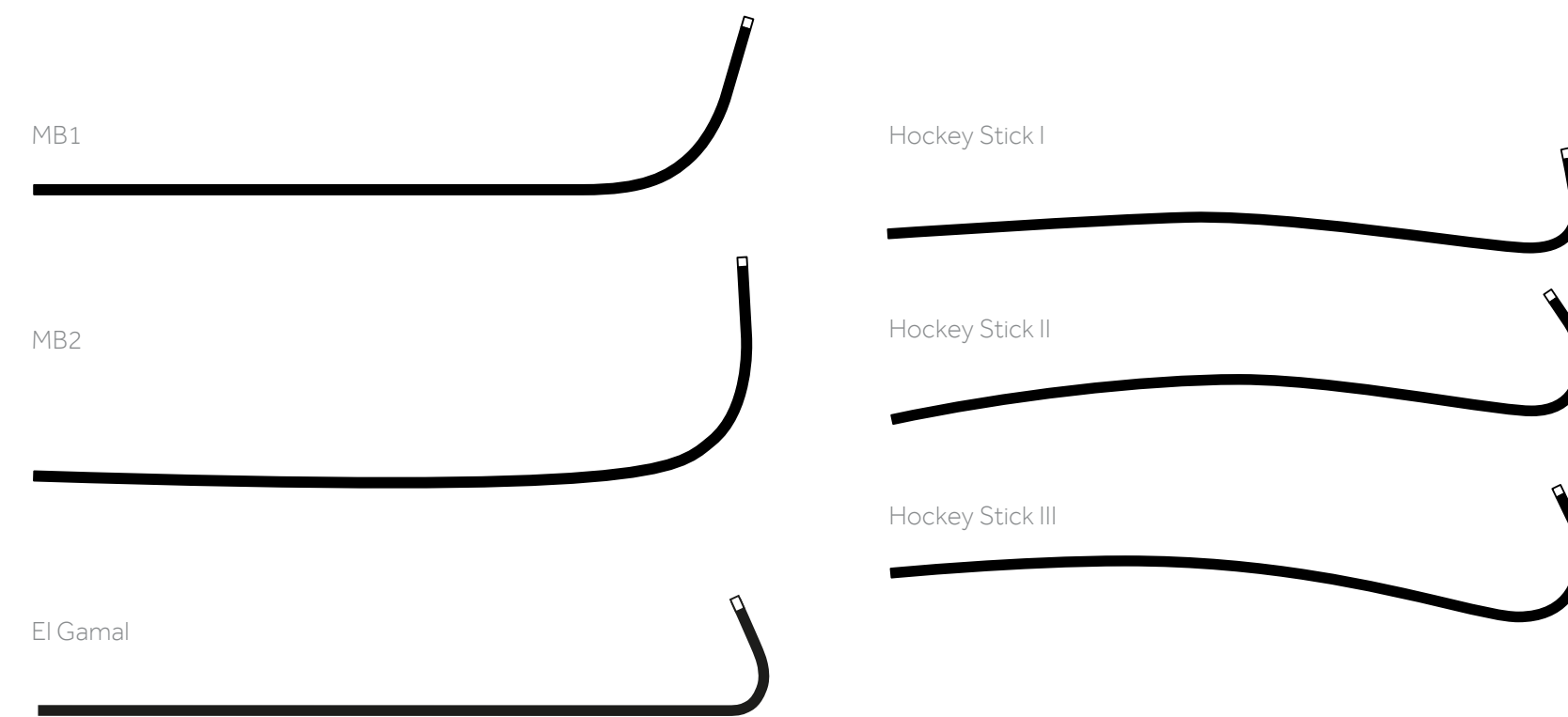
Zuma2™ Multipurpose Curves

GENERAL CHARACTERISTICS

- Supplied sterile items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



MULTIPURPOSE

| | 5F (I.D. 0.058 IN.) | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.081 IN.) | 8F (I.D. 0.091 IN.) |
|------------------|------------------------|------------------------|------------------------|------------------------|
| MB1 | ZM5MB1 | Z26MB1 | Z27MB1 | Z28MB1 |
| MB2 | ZM5MB2 | Z26MB2 | Z27MB2 | Z28MB2 |
| Hockey Stick I | ZM5HSI | Z26HSI | Z27HSI | Z28HSI |
| Hockey Stick II | ZM5HSII | Z26HSII | Z27HSII | Z28HSII |
| Hockey Stick III | ZM5HSIII | Z26HSIII | Z27HSIII | Z28HSIII |
| El Gamal | ZM5ELGAMAL | Z26ELGAMAL | Z27ELGAMAL | Z28ELGAMAL |

Zuma2™ Other Curves

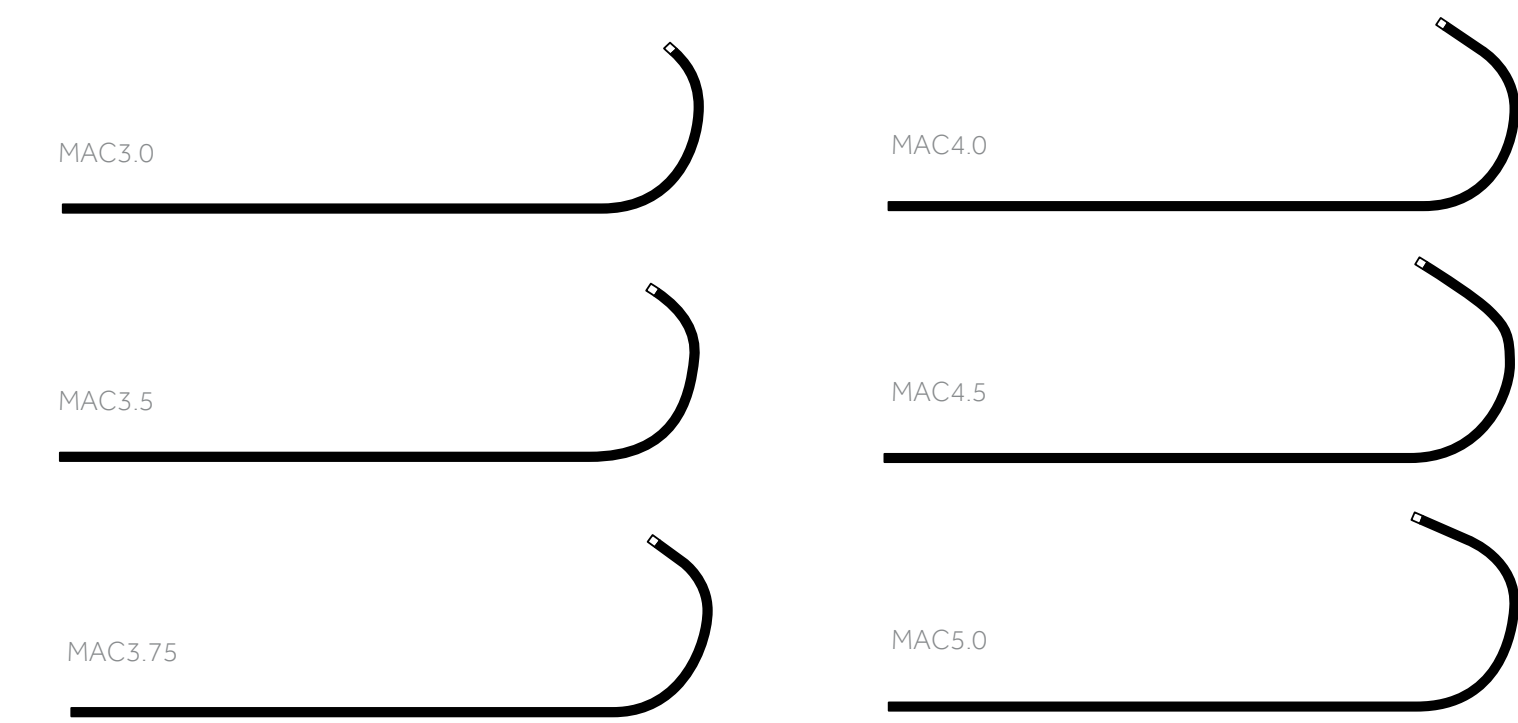
GENERAL CHARACTERISTICS

- Supplied sterile items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.

Relaxed secondary curve allows for easy engagement of the coronary artery ostia. Simple clockwise and counter-clockwise rotations to engage the RCA.



MAC (MULTI-AORTIC CURVES)

| | 5F (I.D. 0.058 IN.) | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.081 IN.) | 8F (I.D. 0.091 IN.) |
|---------|------------------------|------------------------|------------------------|------------------------|
| MAC3.0 | ZM5MAC30 | Z26MAC30 | Z27MAC30 | Z28MAC30 |
| MAC3.5 | ZM5MAC35 | Z26MAC35 | Z27MAC35 | Z28MAC35 |
| MAC3.75 | ZM5MAC375 | Z26MAC375 | Z27MAC375 | Z28MAC375 |
| MAC4.0 | ZM5MAC40 | Z26MAC40 | Z27MAC40 | Z28MAC40 |
| MAC4.5 | ZM5MAC45 | Z26MAC45 | Z27MAC45 | Z28MAC45 |
| MAC5.0 | ZM5MAC50 | Z26MAC50 | Z27MAC50 | Z28MAC50 |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

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10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



CORONARY GUIDE CATHETER FAMILY

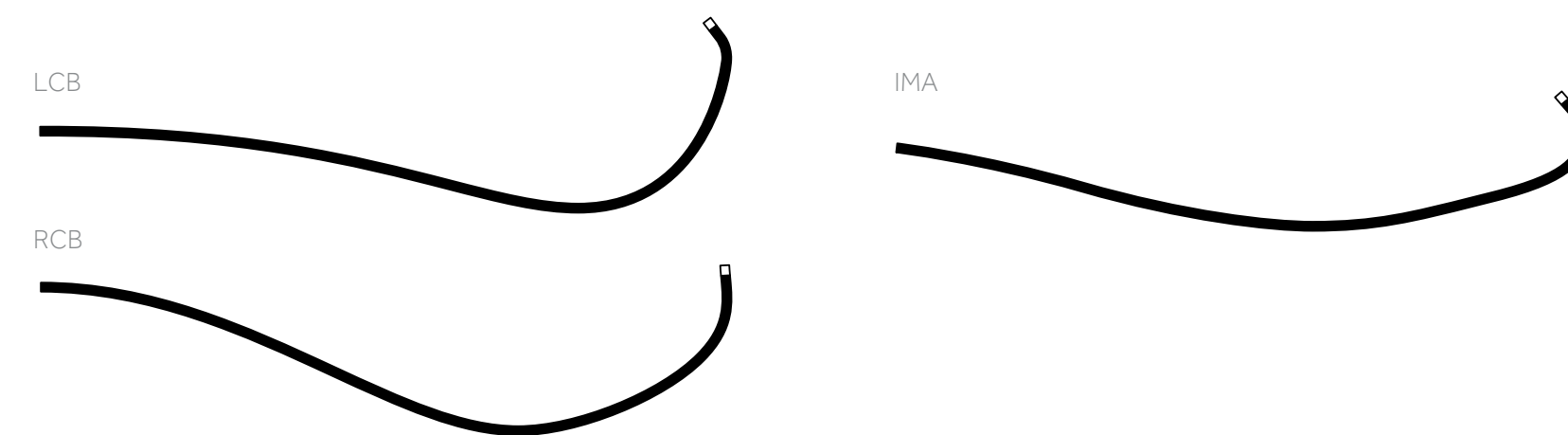
Zuma2™ Bypass Curves

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



BYPASS GRAFTS

| | 5F (I.D. 0.058 IN.) | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.081 IN.) | 8F (I.D. 0.091 IN.) |
|-------------|------------------------|------------------------|------------------------|------------------------|
| LCB | ZM5LCB | Z26LCB | Z27LCB | Z28LCB |
| RCB | ZM5RCB | Z26RCB | Z27RCB | Z28RCB |
| RCB (90 cm) | ZM5RCBD | Z26RCBD | Z27RCBD | Z28RCBD |
| IMA | ZM5IMA | Z26IMA | Z27IMA | Z28IMA |
| IMA (90 cm) | ZM5IMAD | Z26IMAD | Z27IMAD | Z28IMAD |

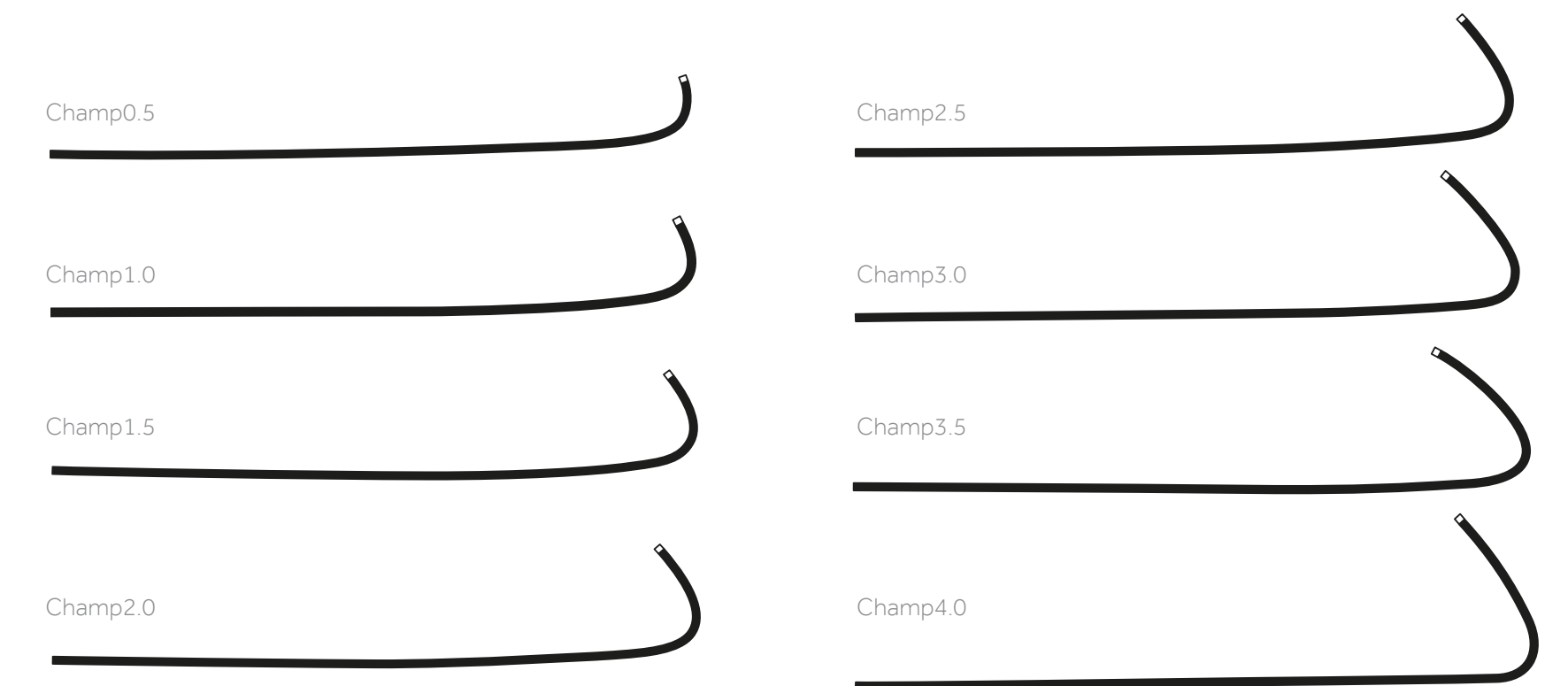
Zuma2™ Other Curves

GENERAL CHARACTERISTICS

- Supplied sterile Items per box: 1
- Label colour: 5F = Grey, 6F = Green, 7F = Orange, 8F = Blue
- Lumen inner diameter: 5F = 0.058", 6F = 0.070", 7F = 0.081", 8F = 0.091"

PRODUCT DESCRIPTION

Soft, flexible distal segment for atraumatic engagement. Soft tip polymer construction to minimize vessel trauma.



CHAMP

| | 5F (I.D. 0.058 IN.) | 6F (I.D. 0.070 IN.) | 7F (I.D. 0.081 IN.) | 8F (I.D. 0.091 IN.) |
|-----------|------------------------|------------------------|------------------------|------------------------|
| CHAMP 0.5 | ZM5CHAMP05 | Z26CHAMP05 | Z27CHAMP05 | Z28CHAMP05 |
| CHAMP 10 | ZM5CHAMP10 | Z26CHAMP10 | Z27CHAMP10 | Z28CHAMP10 |
| CHAMP 15 | ZM5CHAMP15 | Z26CHAMP15 | Z27CHAMP15 | Z28CHAMP15 |
| CHAMP 20 | ZM5CHAMP20 | Z26CHAMP20 | Z27CHAMP20 | Z28CHAMP20 |
| CHAMP 25 | ZM5CHAMP25 | Z26CHAMP25 | Z27CHAMP25 | Z28CHAMP25 |
| CHAMP 30 | ZM5CHAMP30 | Z26CHAMP30 | Z27CHAMP30 | Z28CHAMP30 |
| CHAMP 35 | ZM5CHAMP35 | Z26CHAMP35 | Z27CHAMP35 | Z28CHAMP35 |
| CHAMP 40 | ZM5CHAMP40 | Z26CHAMP40 | Z27CHAMP40 | Z28CHAMP40 |



PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



PORTFOLIO

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8. ASPIRATION CATHETERS

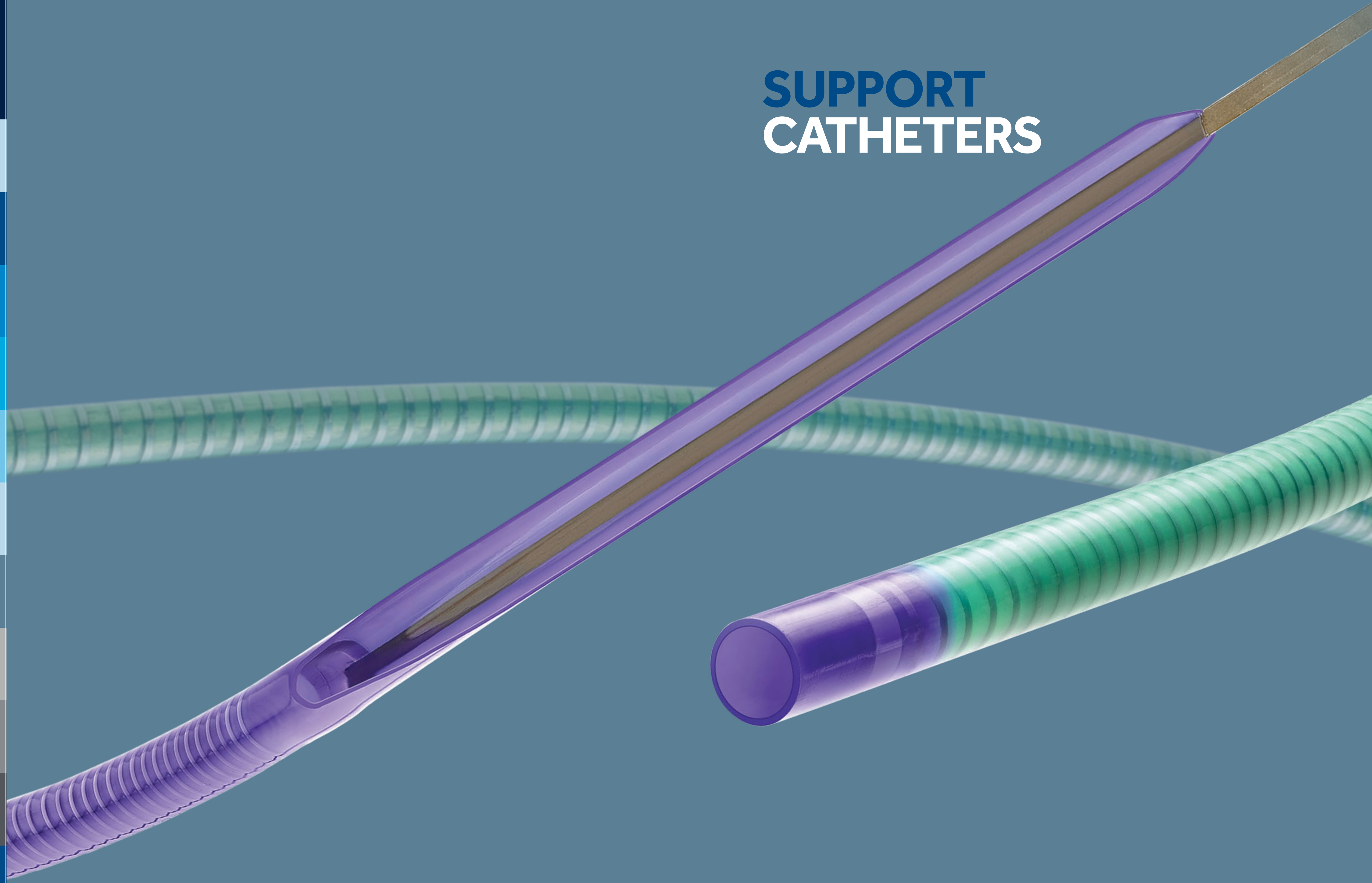
9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION

SUPPORT CATHETERS





CORONARY SUPPORT CATHETER

Telescope™ Guide extension catheter

GENERAL CHARACTERISTICS

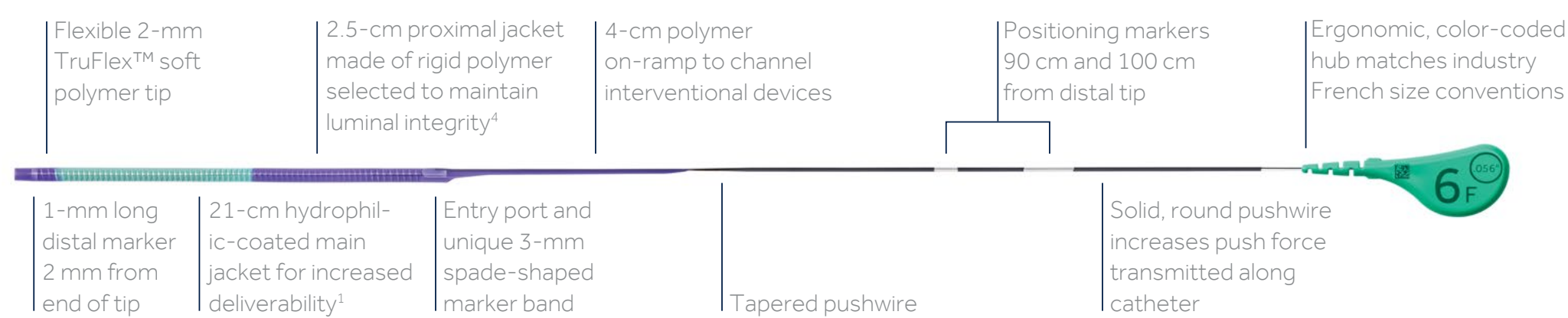
Supplied sterile // Items per box: 1

PRODUCT DESCRIPTION

Telescope™ guide extension catheter pushes past the ordinary to provide you with the performance you want for your complex clinical practice.

- Superior deliverability¹ — strong pushwire² and coil reinforced distal segment enhance performance
- Softest³ 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

FEATURES



ORDERING INFORMATION

| FRENCH SIZE (F) | CFN |
|-----------------|--------|
| 6 | TELE6F |
| 7 | TELE7F |

TECHNICAL INFORMATION

| PRODUCT SPECIFICATIONS | |
|-----------------------------------|--|
| Catheter Length | 150 cm |
| Distal extension length | 25 cm |
| Marker band material | Platinum iridium |
| Marker band lengths and locations | 1 mm long, 2mm from distal tip 3mm long, spade-shaped at entry port |
| Coating | Hydrophilic, outer layer of distal 21 cm |
| Pushwire Length | 125 cm |
| Tapered pushwire portion | 10 cm |
| On-ramp length | 4 cm |
| On-ramp material | Nylon-based polymer |
| TruFlex™ tip | 2 mm |
| Shelf life | 2 years |

1. Deliverability bench testing: Telescope™ GEC 6 F vs. GuideLiner™ V3 5.5 F/6 F vs. Guidezilla™ II 6 F.
 2. Pushability bench testing: Telescope™ GEC 6 F vs. GuideLiner™ V3 6 F vs. Guidezilla™ II 6 F.
 3. Soft tip bench testing: Telescope™ GEC 6 F vs. GuideLiner™ V3 5.5 F/6 F vs. Guidezilla™ II 6 F. Bench test data may not be indicative of clinical performance.
 4. Details on luminal integrity are in the Telescope™ GEC design freeze document (internal design document).

PORTFOLIO

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PORTFOLIO

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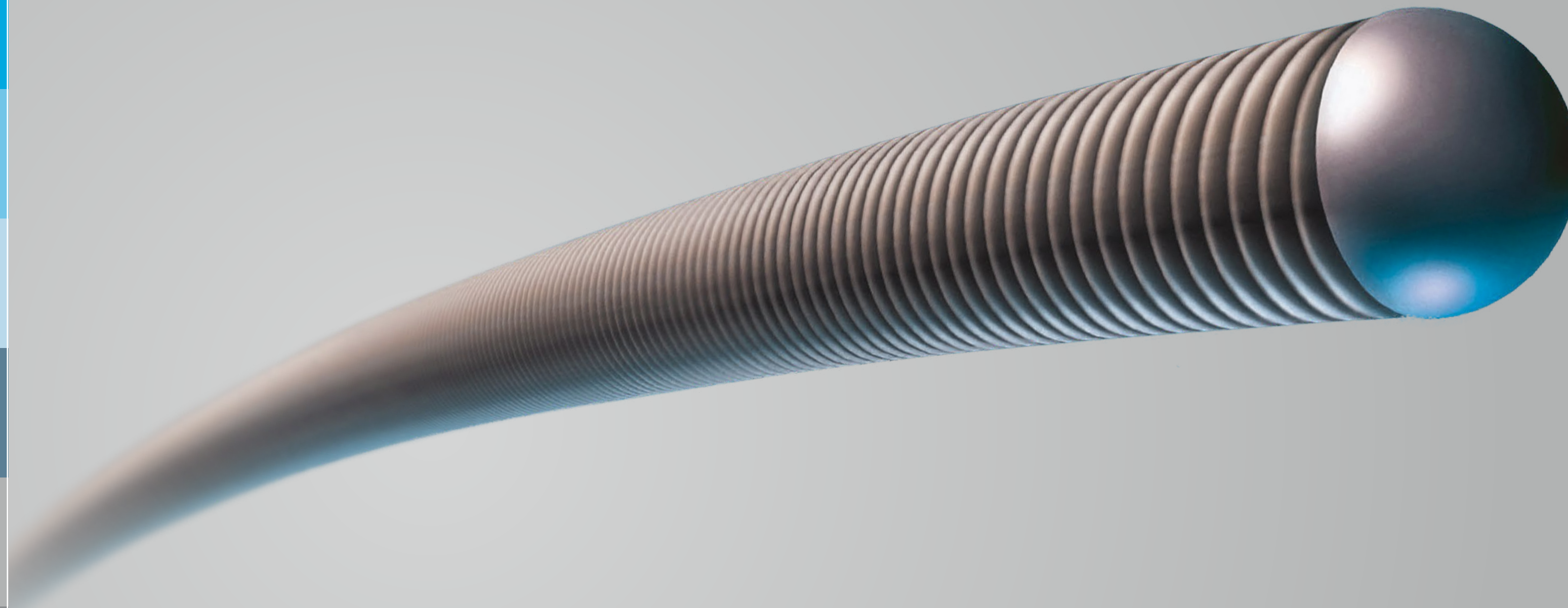
9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

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INTERVENTIONAL GUIDEWIRES



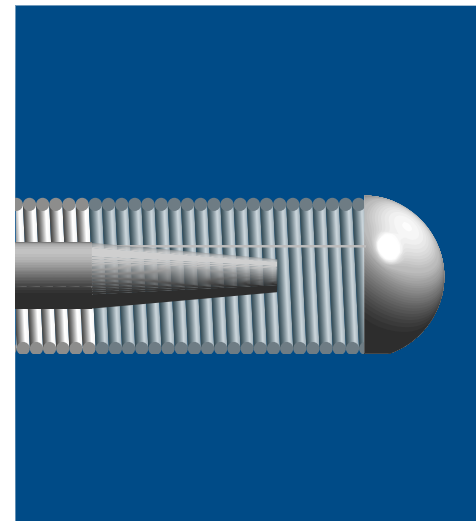


INTERVENTIONAL GUIDEWIRES

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

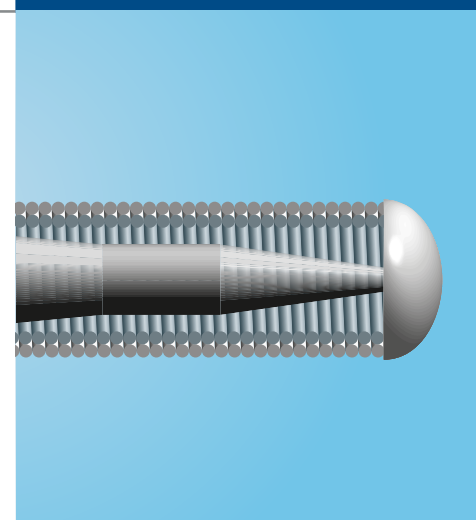
ZINGER™ Stainless steel workhorse guidewire

- When you need steerability and torque control
- Stainless steel core wire provides torque transmission for advanced steerability and control. Available in a range of support levels for a variety of clinical situations: light, marker, medium and support.



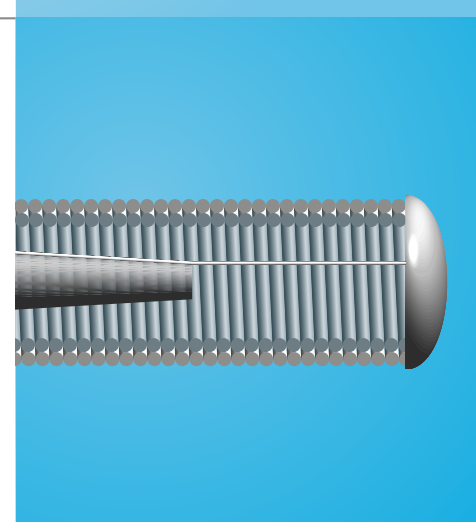
INTUITION™ Advanced workhorse guidewire

- Confidently cross your more challenging workhorse cases
- Torque performance and one-gram tip weight give you precision and confidence during your more difficult workhorse cases. Accu-Core Technology provides torque and improved crossability.



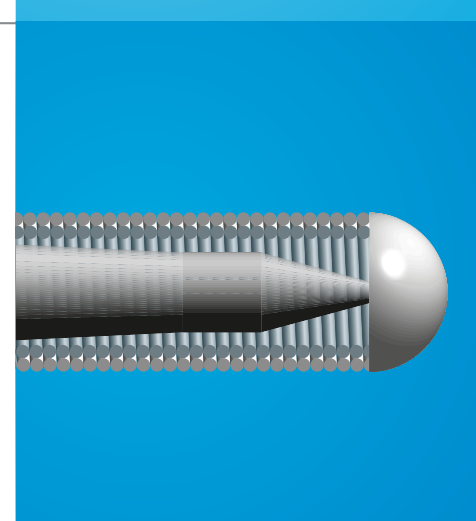
COUGAR™ Nitinol workhorse guidewire

- When you need trackability for distal and tortuous access
- Nitinol core wire provides steerability and support through tortuous anatomy and for multivessel treatment. Double coil tip is soft and atraumatic for shape retention.



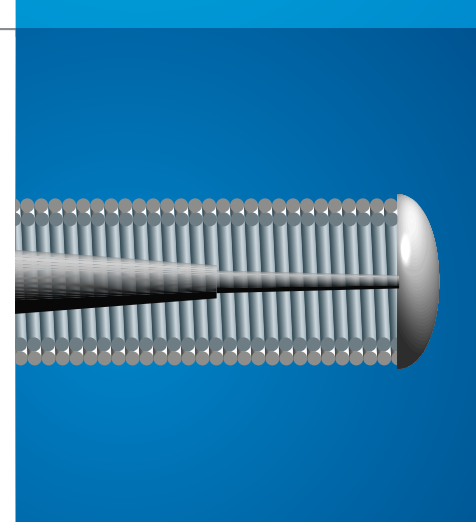
PROVIA™ Crossing guidewire

- Designed to cross your most demanding lesions
- Available in a wide range of weights and lengths. Accu-Core Technology offers torque performance, tactile feel, improved lesion penetration and a 1-mm nonhydrophilic tip.



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.



Zinger™ Light Stainless steel workhorse guidewire

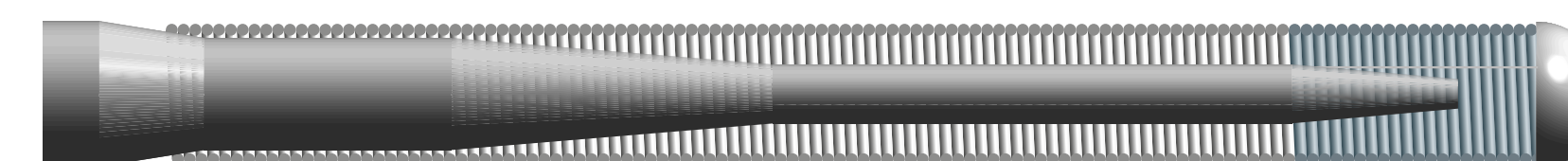
GENERAL CHARACTERISTICS

• Supplied sterile • Items per box: 5

PRODUCT DESCRIPTION

The Zinger™ line of guidewires is the latest advancement in highly trackable guidewires with excellent torque control.

- Available with Pro/Pel™ silicone coating or Hydro-Track™ hydrophilic coating for more treatment strategies.
- Zinger™ is available in various support levels as well as a marker version to meet your preference and clinical challenge.
- 2-cm radiopaque tip for visibility.
- Zinger™ Light is a highly trackable light support guidewire with floppy tip for tortuous anatomy.



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



PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

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INTERVENTIONAL GUIDEWIRES

Zinger™ Marker Stainless steel workhorse guidewire

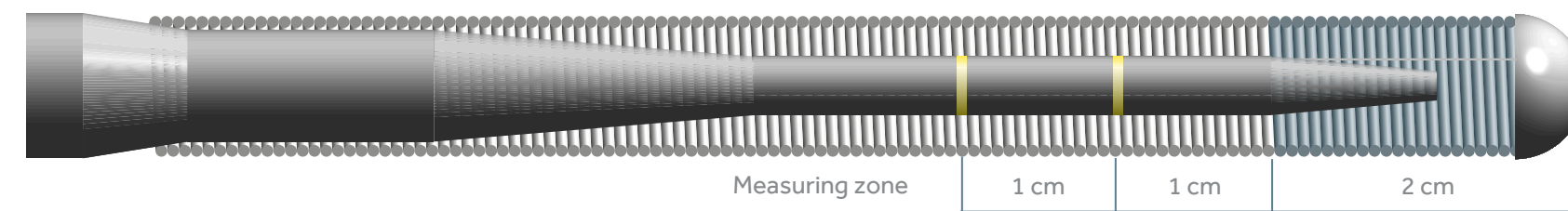
GENERAL CHARACTERISTICS

• Supplied sterile • Items per box: 5

PRODUCT DESCRIPTION

The Zinger™ line of guidewires is the latest advancement in highly trackable guidewires with excellent torque control.

- The Hydro-track hydrophilic coating offers optimal lubricity and durability.
- Zinger™ is available in various support levels as well as a marker version to meet your preference and clinical challenge.
- 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



Zinger™ Medium Stainless steel workhorse guidewire

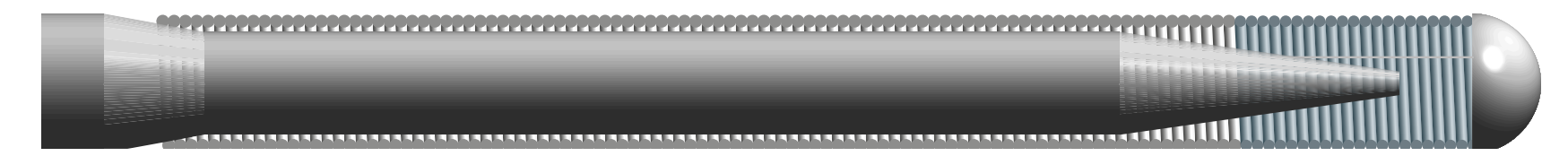
GENERAL CHARACTERISTICS

• Supplied sterile • Items per box: 5

PRODUCT DESCRIPTION

The Zinger™ line of guidewires is the latest advancement in highly trackable guidewires with excellent torque control.

- The Hydro-track hydrophilic coating offers optimal lubricity and durability.
- Zinger™ is available in various support levels as well as a marker version to meet your preference and clinical challenge.
- Zinger™ Medium is a medium weight "workhorse" wire, ideal for general use in varied anatomy.



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: Core-to-tip

Outer coating: Hydro-Track or Pro/Pel

Tip Stiffness



Support



PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

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9. ANGIOGRAPHIC CATHETERS AND WIRES

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INTERVENTIONAL GUIDEWIRES

Zinger™ Support Stainless steel workhorse guidewire

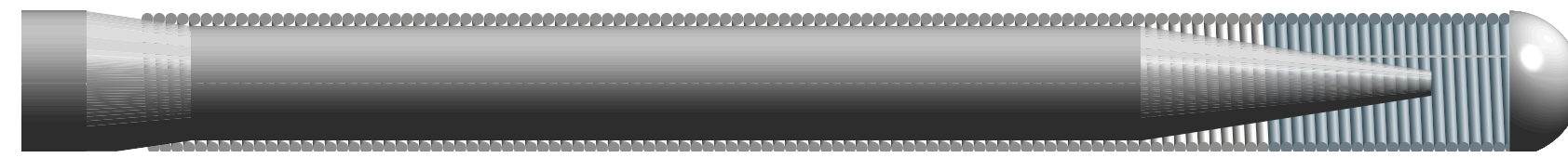
GENERAL CHARACTERISTICS

• Supplied sterile • Items per box: 5

PRODUCT DESCRIPTION

The Zinger™ line of guidewires is the latest advancement in highly trackable guidewires with excellent torque control.

- The Hydro-track hydrophilic coating offers optimal lubricity and durability.
- Zinger™ is available in various support levels as well as a marker version to meet your preference and clinical challenge.
- Zinger™ Support is designed with added support for stent placement, yet trackable.



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



Intuition™ Advanced workhorse guidewire

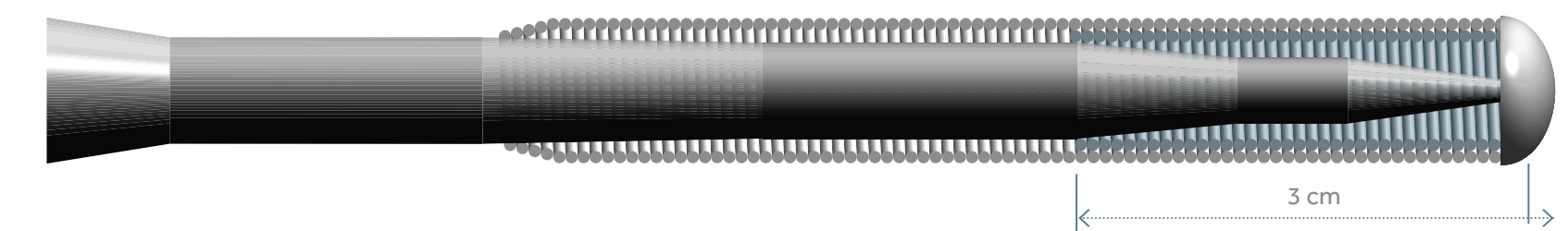
GENERAL CHARACTERISTICS

• Supplied sterile • Items per box: 5

PRODUCT DESCRIPTION

The Intuition™ guidewire offers torque performance and one-gram tip weight to give precision and confidence during more difficult workhorse cases.

- Rounded tip and body provide control.
- Accu-Core technology provides torque performance to control and direct the wire.
- Femoral (proximal) markers on wire, 90 cm and 100 cm from distal tip.
- Available with Pro/Pel™ silicone coating or Hydro-Track™ hydrophilic coating for more treatment strategies.
- 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



PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



INTERVENTIONAL GUIDEWIRES

Cougar™ LS Nitinol workhorse guidewire

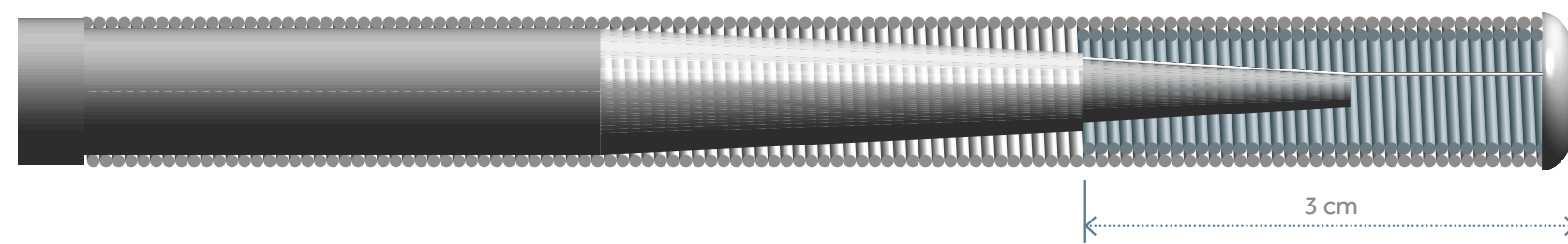
GENERAL CHARACTERISTICS

• Supplied sterile • Items per box: 5

PRODUCT DESCRIPTION

The Cougar™ Steerable Guidewire offers the performance and support required for workhorse cases.

- Nitinol core wire
- Double coil tip design offers a soft tip with outstanding tip shape retention.
- Available in Hydro-Track™ hydrophilic or Pro/Pel™ silicone coating. The Hydro-Track hydrophilic coating offers optimal lubricity and durability.
- The Pro/Pel silicone coating offers traditional performance for situations that require reduced lubricity.
- 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



Cougar™ XT Nitinol workhorse guidewire

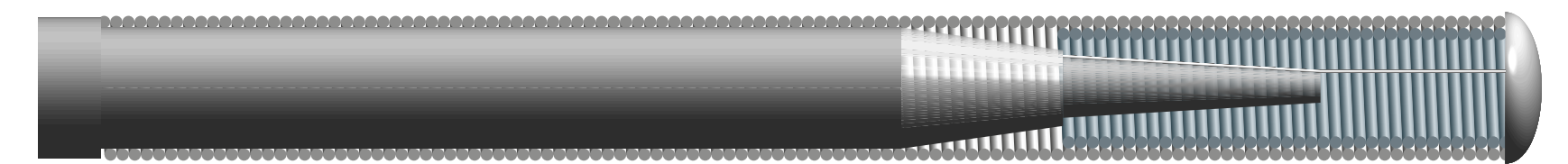
GENERAL CHARACTERISTICS

• Supplied sterile • Items per box: 5

PRODUCT DESCRIPTION

The Cougar™ Steerable Guidewire offers the performance and support required for workhorse cases.

- Nitinol core wire
- Double coil tip design offers a soft tip with outstanding tip shape retention.
- Available in Hydro-Track™ hydrophilic or Pro/Pel™ silicone coating. The Hydro-Track hydrophilic coating offers optimal lubricity and durability.
- The Pro/Pel silicone coating offers traditional performance for situations that require reduced lubricity.
- 3-cm radiopaque tip for visibility.



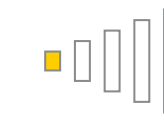
ORDERING INFORMATION

| 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



PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

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11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



INTERVENTIONAL GUIDEWIRES

ProVia™ Crossing guidewire

GENERAL CHARACTERISTICS

• Supplied sterile • Items per box: 5

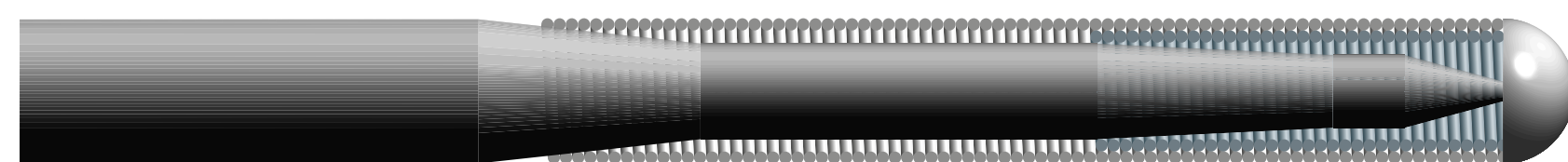
PRODUCT DESCRIPTION

The ProVia™ Crossing Guidewire is designed to cross demanding lesions.

- Accu-Core wire technology is designed to provide torque performance to control and direct the wire.
- Rounded tip and body provide control.
- Tapered tip on ProVia™ 9 and 12 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. The Hydro-Track hydrophilic coating offers optimal lubricity and durability.
- The Pro/Pel silicone coating offers traditional performance for situations that require reduced lubricity.
- 3-cm radiopaque tip for visibility

ProVia™ 3

Straight tip (0.014 in.)



3 cm

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

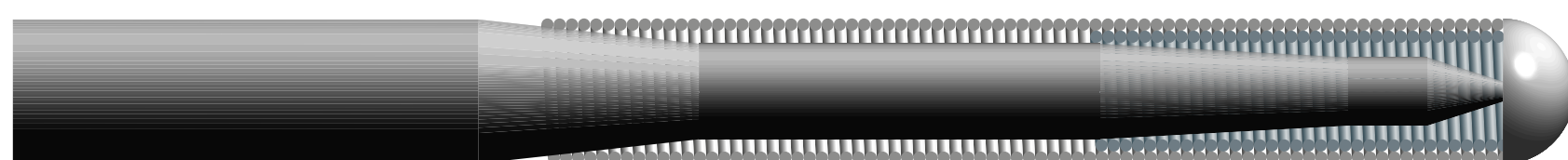
Outer coating: Hydro-Track or Pro/Pel

Tip Stiffness Support



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



ProVia™ Crossing guidewire

GENERAL CHARACTERISTICS

• Supplied sterile • Items per box: 5

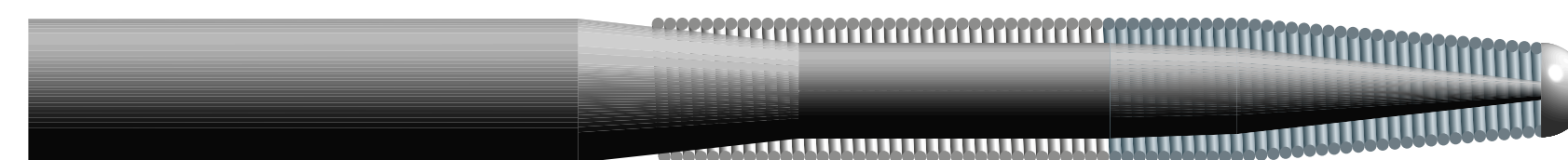
PRODUCT DESCRIPTION

The ProVia™ Crossing Guidewire is designed to cross demanding lesions.

- Accu-Core wire technology is designed to provide torque performance to control and direct the wire.
- Rounded tip and body provide control.
- Tapered tip on ProVia™ 9 and 12 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. The Hydro-Track hydrophilic coating offers optimal lubricity and durability.
- The Pro/Pel silicone coating offers traditional performance for situations that require reduced lubricity.
- 3-cm radiopaque tip for visibility

ProVia™ 9

Tapered tip (0.009 in.)



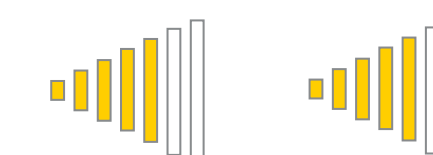
ORDERING INFORMATION

| 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

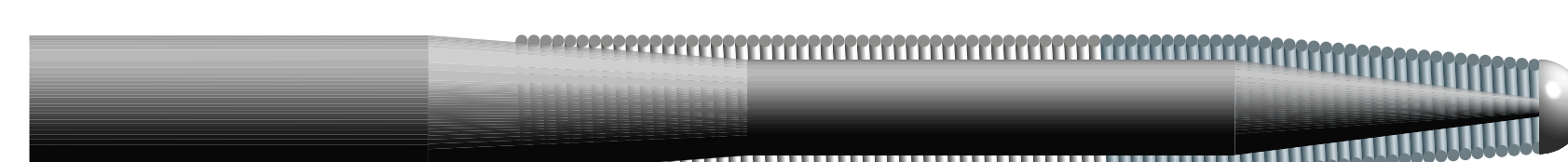
Outer coating: Hydro-Track or Pro/Pel

Tip Stiffness Support



ProVia™ 12

Tapered tip (0.009 in.)



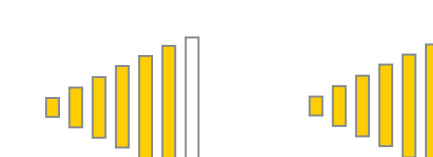
ORDERING INFORMATION

| 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



PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



INTERVENTIONAL GUIDEWIRES

ProVia™ Crossing guidewire

GENERAL CHARACTERISTICS

• Supplied sterile • Items per box: 5

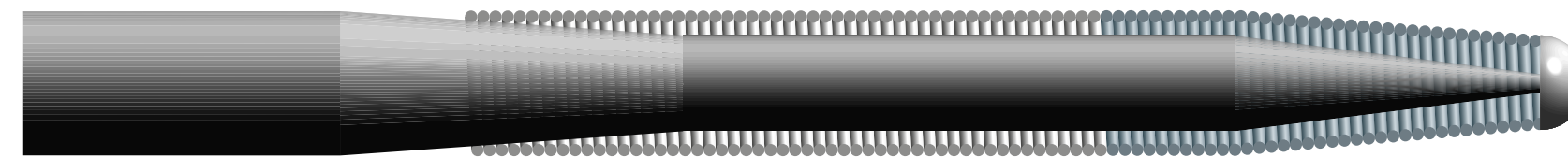
PRODUCT DESCRIPTION

The ProVia™ Crossing Guidewire is designed to cross demanding lesions.

- Accu-Core wire technology is designed to provide torque performance to control and direct the wire.
- Rounded tip and body provide control.
- Tapered tip on ProVia™ 9 and 12 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. The Hydro-Track hydrophilic coating offers optimal lubricity and durability.
- The Pro/Pel silicone coating offers traditional performance for situations that require reduced lubricity.
- 3-cm radiopaque tip for visibility

ProVia™ 15

Tapered tip (0.009 in.)



ORDERING INFORMATION

| PRODUCT | PRODUCT CODE | SIZE (G) | LENGTH (CM) | COATING | TIP |
|-----------|--------------|----------|-------------|-------------|-------------|
| ProVia 15 | 15PROV180HS | 15 | 180 | Hydro-Track | Tapered tip |
| ProVia 15 | 15PROV180SS | 15 | 180 | Pro/Pel | Tapered tip |
| ProVia 15 | 15PROV300HS | 15 | 300 | Hydro-Track | Tapered tip |
| ProVia 15 | 15PROV300SS | 15 | 300 | Pro/Pel | Tapered tip |

Tip style: Core-to-tip

Outer coating: Hydro-Track or Pro/Pel



Thunder™ Extra-Support guidewire

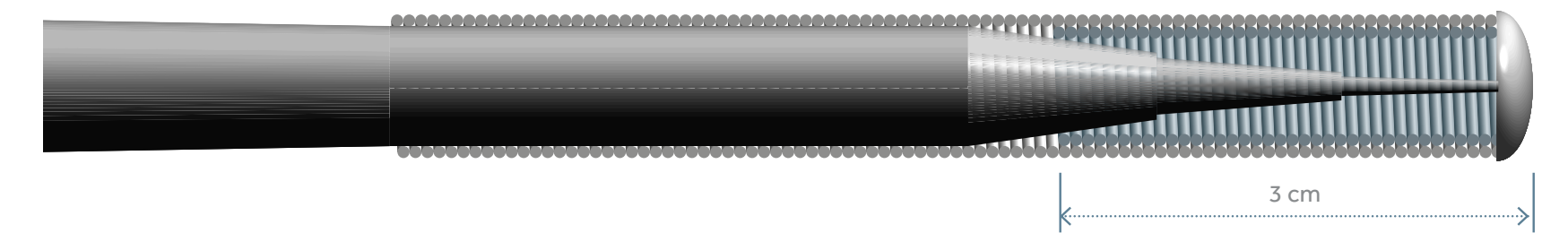
GENERAL CHARACTERISTICS

• 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.

- 11 cm transition zone (rail) which provides support for accurate device placement
- Available in Pro/Pel Silicone coating for track ability and smooth device delivery
- 3 cm Radiopaque Tip for visibility

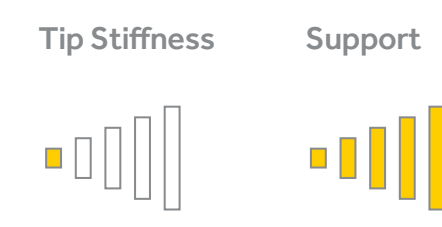


ORDERING INFORMATION

| 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



PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

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12. RENAL DENERVATION



PORTFOLIO

1. DRUG ELUTING STENTS

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3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

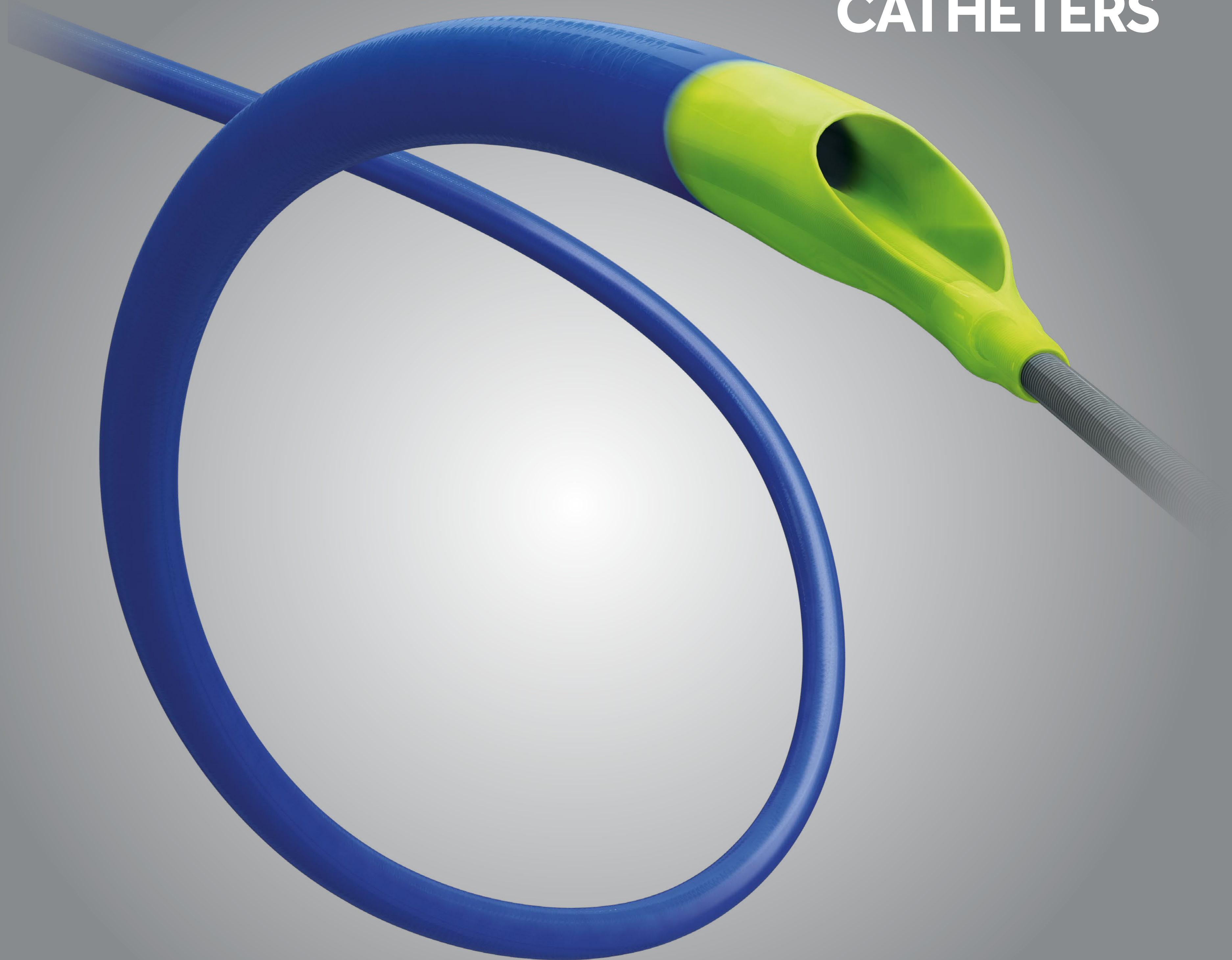
9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION

ASPIRATION CATHETERS





ASPIRATION CATHETERS

Export Advance™

GENERAL CHARACTERISTICS

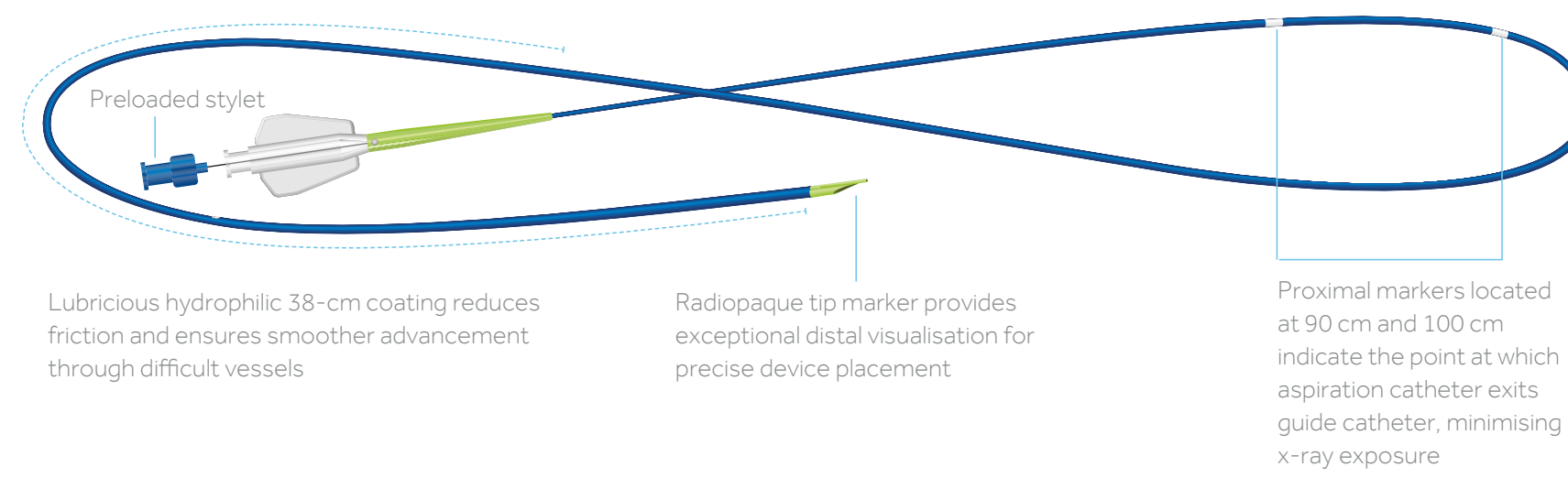
• Supplied sterile • Items per box: 1 • Includes two syringes, one filter cup and extension line with stopcock.

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



TECHNICAL INFORMATION

| PRODUCT SPECIFICATIONS | |
|------------------------|----------------------------------|
| Distal O.D. (in.) | 0.067 |
| Lumen I.D. (in.) | 0.043 (distal), 0.044 (proximal) |
| Length (cm) | 140 |
| Braiding | Variable, hub to tip |
| Tip design | Soft, short, beveled tip |
| Coating | Hydrophilic (38 cm) |
| Syringe (cc) | 2 x 30 |
| Product code | ADVANCECE |

Export™ AP

GENERAL CHARACTERISTICS

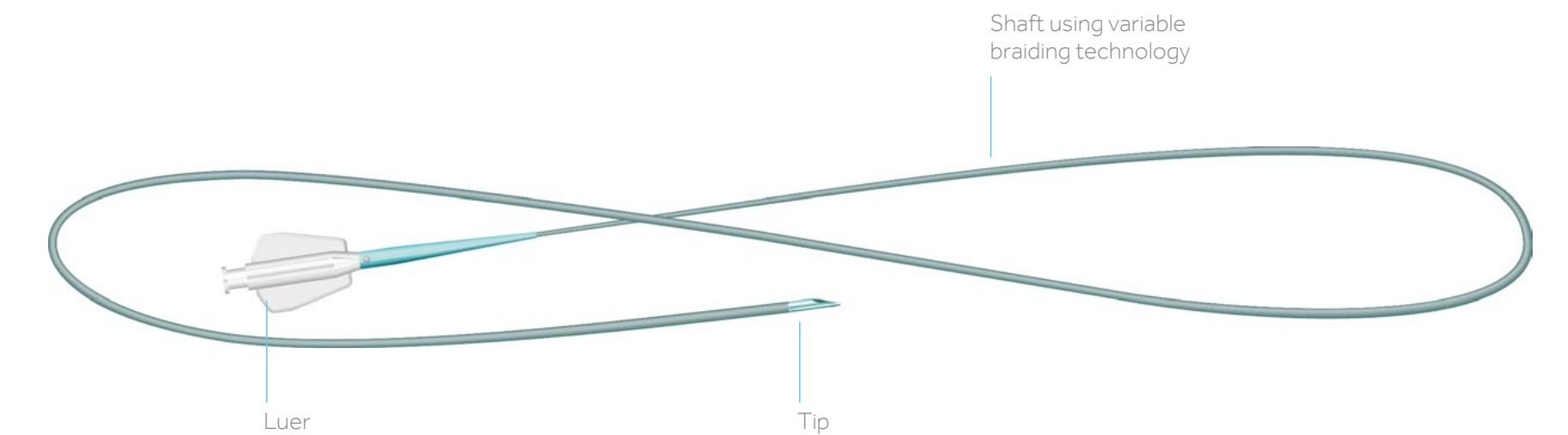
• Supplied sterile • Items per box: 1 • Includes two syringes, one filter cup and extension line with stopcock.

PRODUCT DESCRIPTION

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

FEATURES

- Full Wall Variable Braiding Technology shaft construction
- Extended hydrophilic coating (40 cm)
- Forward-facing atraumatic tip



TECHNICAL INFORMATION

| PRODUCT SPECIFICATIONS | |
|------------------------------------|------------------------|
| Lumen I.D. (in.) | 0.043 |
| Lumen O.D. (in.) | 0.068 |
| Guide catheter compatibility (in.) | 6F (min ID 0.070) |
| Guide wire compatibility (in.) | 0.014 |
| Delivery System | Rapid Exchange |
| Length (cm) | 140 |
| Radio-opaque marker | 1.5 mm from distal tip |
| Product code | EXPORTAPCE |

PORTFOLIO

1. DRUG ELUTING STENTS

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PORTFOLIO

1. DRUG ELUTING STENTS

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4. DRUG ELUTING BALLOONS

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6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

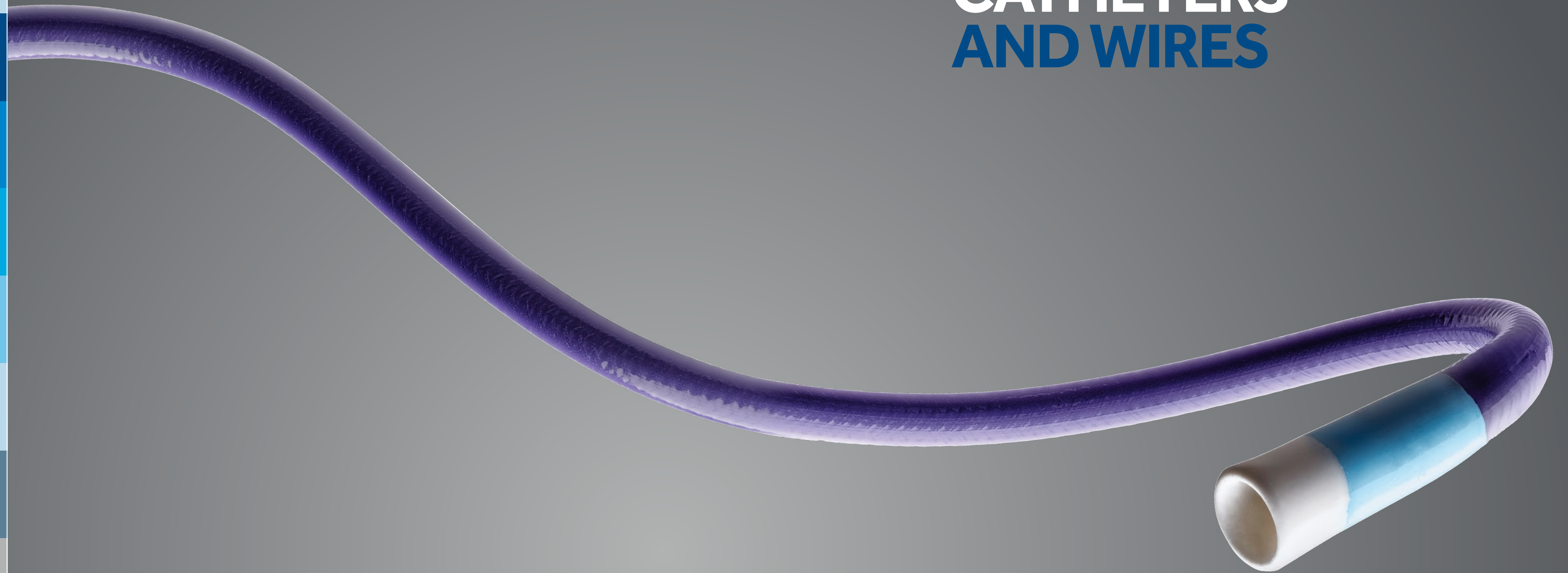
9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION

ANGIOGRAPHIC CATHETERS AND WIRES





CORONARY DIAGNOSTIC CATHETERS

DxTerity™

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.

PRODUCT FEATURES

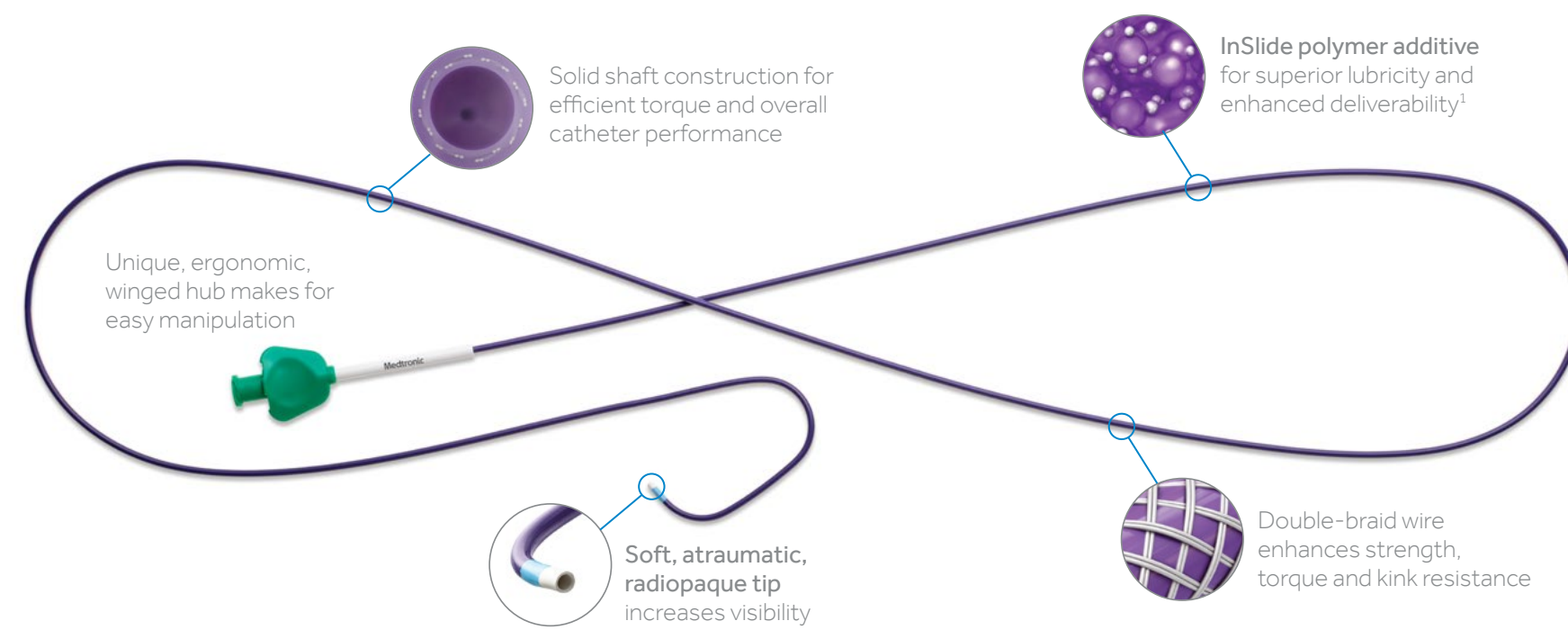
Enhanced deliverability:
• InSlide™ polymer additive for superior lubricity to reduce friction and enhance deliverability

Precise manipulation:
• Unique, ergonomic, winged hub design for easy manipulation
• Double-braid wire applied from hub to tip enhances strength, torque and kink resistance

Excellent image quality:
• Soft, atraumatic radiopaque tip allows for increased visibility
• Large lumen enables high flow of contrast media to increase visualization

Broad catheter portfolio:
• Optimized for both radial and femoral procedures
• Wide range of shapes and sizes
• Includes expanded offerings of long (125 cm) lengths

Transradial curves
• 5 universal curves to engage both coronaries without catheter exchange¹
• All of our performance advantages, specifically adapted for radial use²
• Offered in 100-cm and 110-cm lengths and options with and without sideholes



TECHNICAL SPECIFICATIONS

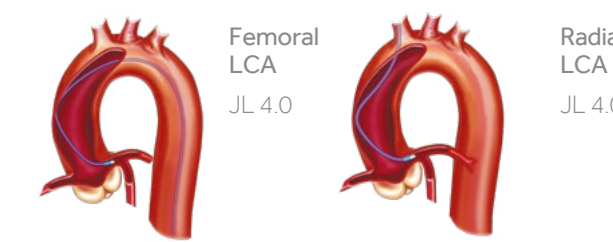
| | 5F | | 6F | |
|--------------------|------------|----------|------------|----------|
| Catheter O.D. (in) | 0.066 | | 0.079 | |
| Lumen I.D. (in) | 0.047 | | 0.056 | |
| Braiding | Hub to tip | | Hub to tip | |
| Dye flow rate at: | 600 psi | 1200 psi | 600 psi | 1200 psi |
| (mL/sec) | 19 | 27 | 28 | 40 |

DxTerity™ Standard Curve Selection

LEFT CURVES

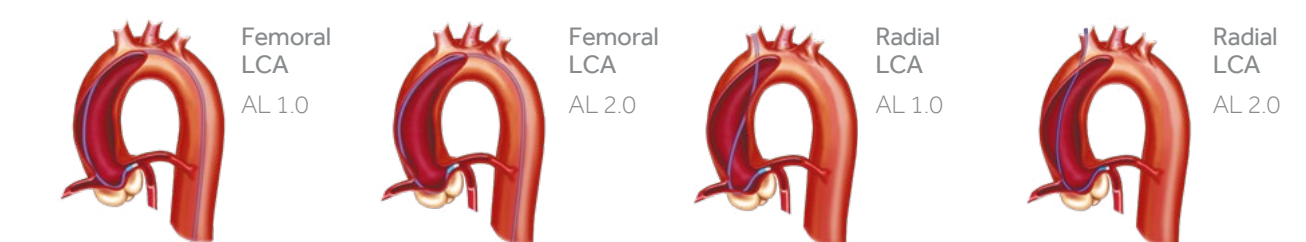
Judkins Left

Available in: 3.5, 4.0, 4.5, 5.0, 6.0



Amplatz Left

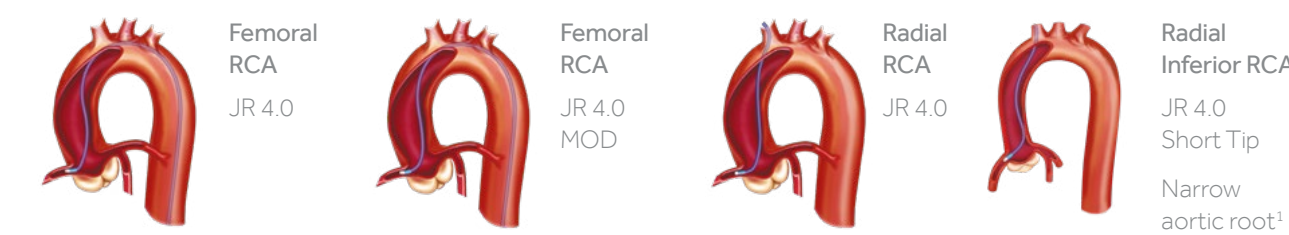
Available in: 1.0, 2.0, 3.0



RIGHT CURVES

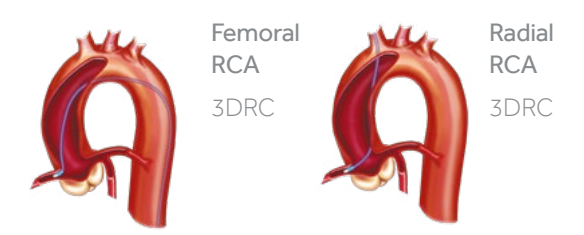
Judkins Right

Available in: 3.5, 4.0, 4.0 ST, 4.0 MOD, 5.0, 6.0



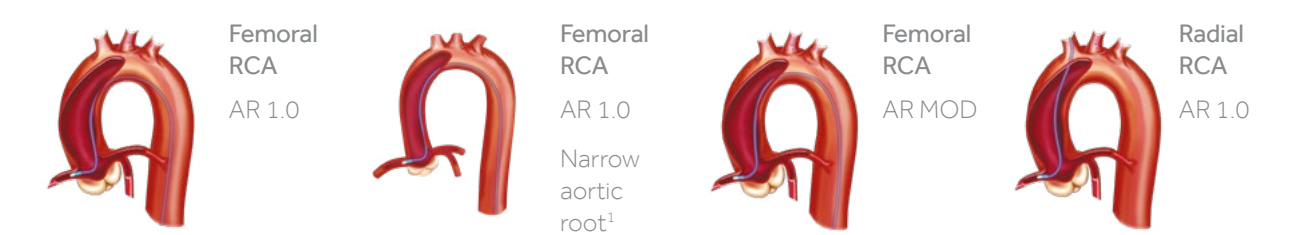
3DRC

One size



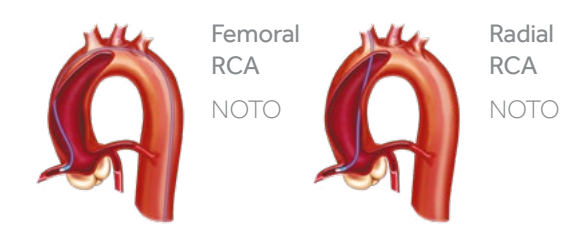
Amplatz Right

Available in: 1.0, 2.0, MOD



NOTO

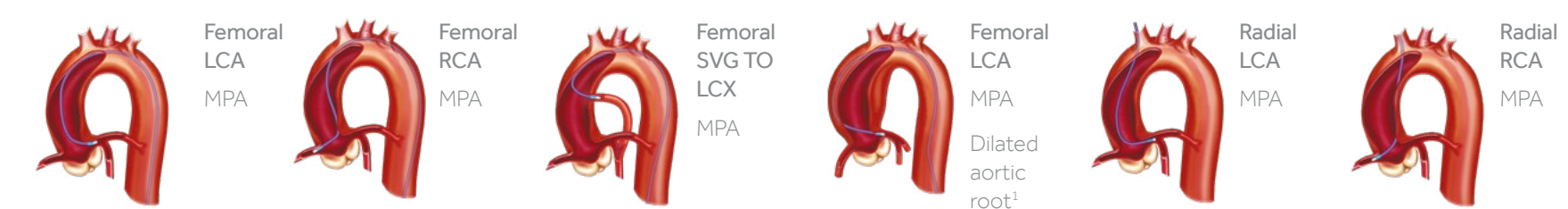
One size



MULTIPURPOSE CURVES

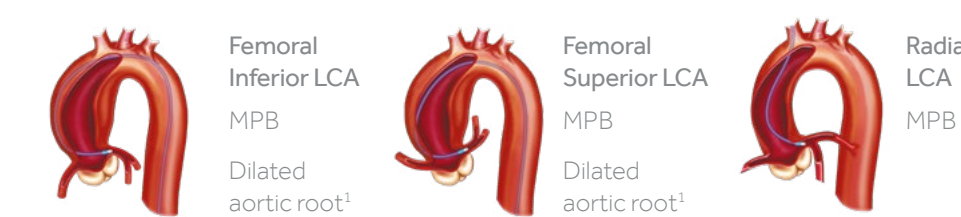
MPA

One size fits all



MPB

One size fits all



1 In porcine models. Based on preclinical data on file at Medtronic.
2 Based on preclinical data on file at Medtronic.

Normal anatomy is shown unless otherwise indicated.

1. In porcine models. Based on preclinical data on file at Medtronic.

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

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7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

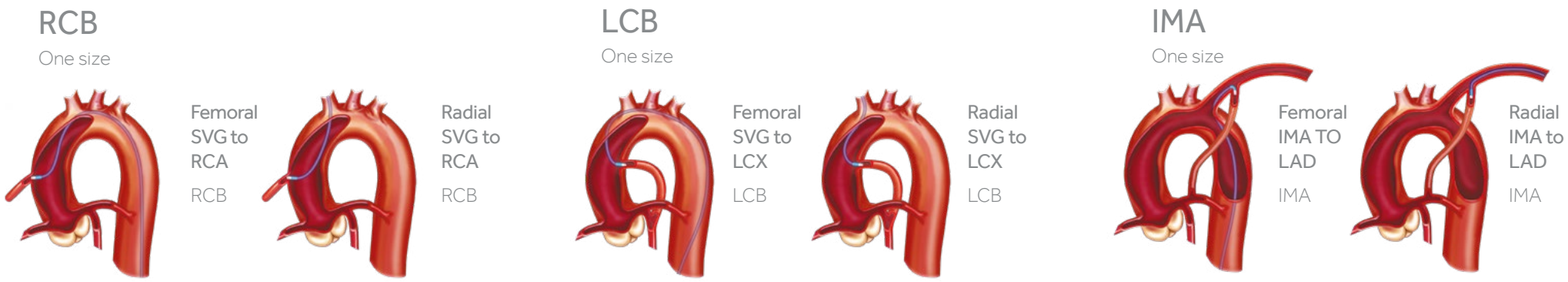
12. RENAL DENERVATION



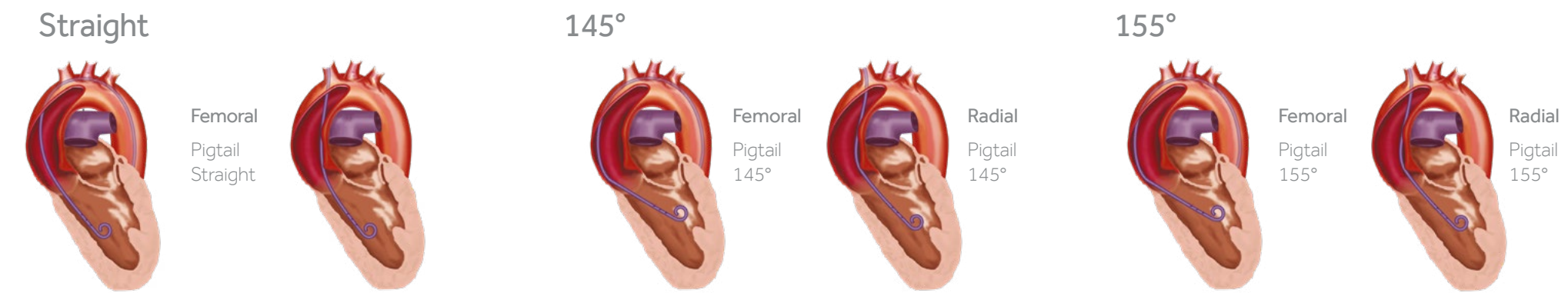
CORONARY DIAGNOSTIC CATHETERS

DxTerity™ Standard Curve Selection

BYPASS CURVES

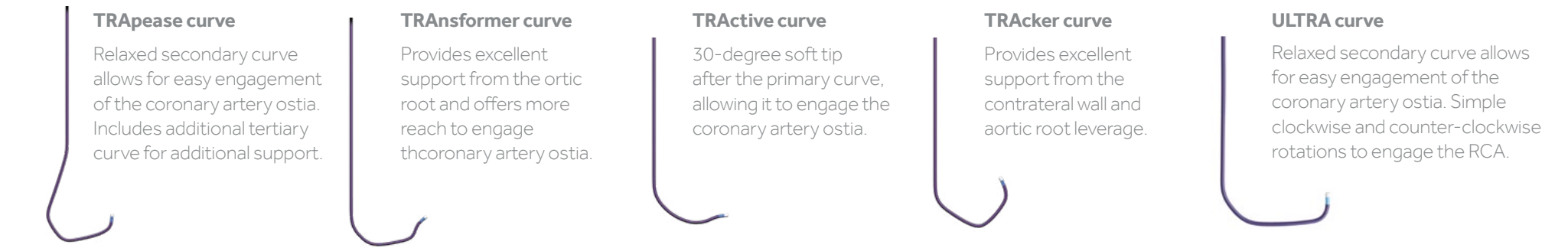


PIGTAIL CURVES

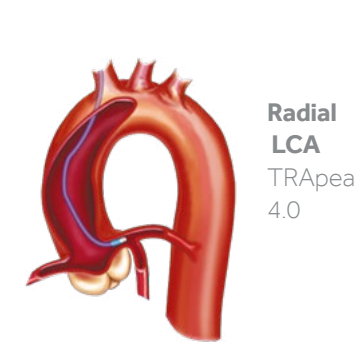


DxTerity™ Universal Radial Curve Selection

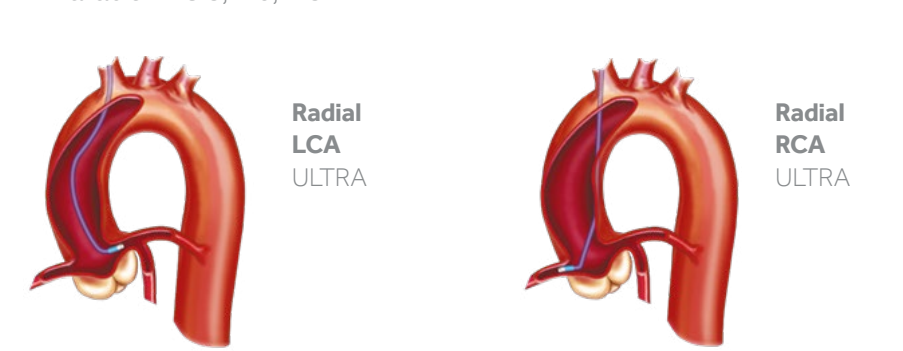
UNIVERSAL RADIAL CURVES



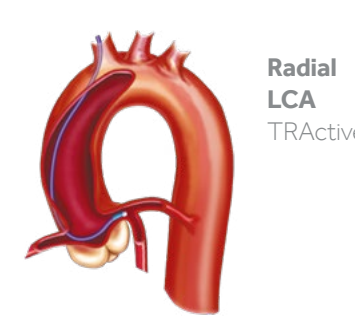
TRapease Curve



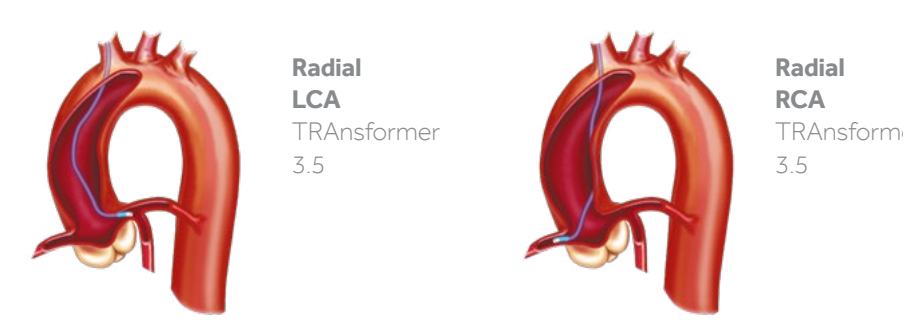
Ultra Curve



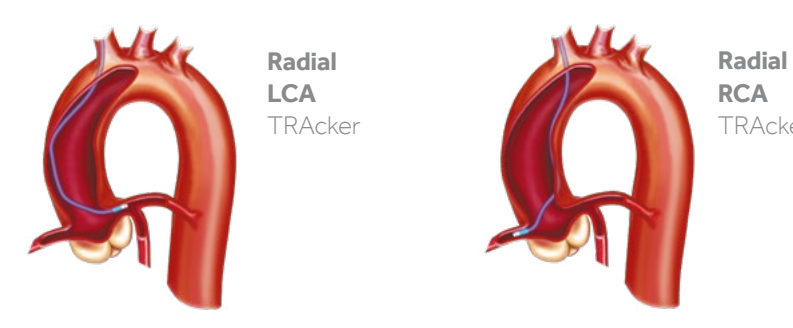
TRActive Curve



TRAnsformer Curve



TRAcker Curve



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1. Normal aortic root, 3.5-4.0 cm; narrow aortic root, <3.5 cm; dilated aortic root > 4.0 cm.

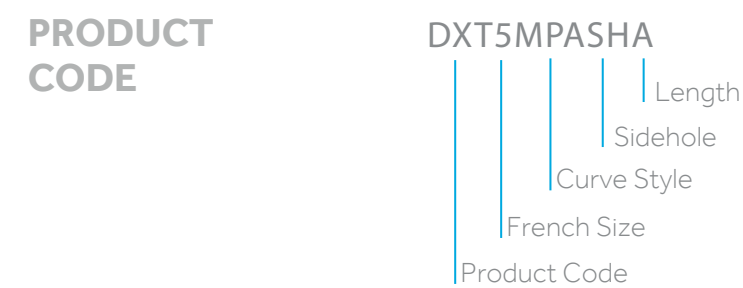


CORONARY DIAGNOSTIC CATHETERS

DxTerity™ Standard Curves

GENERAL CHARACTERISTICS • 5 catheters per box • Supplied sterile • Color-coded hub and packaging
• Maximum guidewire: 5F = 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.



ORDERING INFORMATION

| CURVE STYLE | CURVE SIZE | LENGTH (CM) | 5F PRODUCT CODE | 6F PRODUCT CODE | SIDEHOLES |
|---------------|------------|-------------|-----------------|-----------------|-----------|
| Judkins Left | 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 |
| Judkins Right | JL6.0 | 100 | DXT5JL60 | DXT6JL60 | 0 |
| | 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 |
| Amplatz Left | AL1.0 | 100 | DXT5AL10 | DXT6AL10 | 0 |
| | AL2.0 | 100 | DXT5AL20 | DXT6AL20 | 0 |
| | AL3.0 | 100 | DXT5AL30 | DXT6AL30 | 0 |
| Amplatz Right | AR1.0 | 100 | DXT5AR10 | DXT6AR10 | 0 |
| | AR2.0 | 100 | DXT5AR20 | DXT6AR20 | 0 |
| | AR MOD | 100 | DXT5ARM | DXT6ARM | 0 |
| Multipurpose | 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 |
| Specialty | MPB | 110 | DXT5MPBSHA | DXT6MPBSHA | 2 |
| | NOTO | 100 | DXT5NOTO | DXT6NOTO | 0 |
| | 3DRC | 100 | DXT53DRC | DXT63DRC | 0 |
| | RCB | 100 | DXT5RCB | DXT6RCB | 0 |
| | LCB | 100 | DXT5LCB | DXT6LCB | 0 |
| Pigtails | IMA | 100 | DXT5IMA | DXT6IMA | 0 |
| | PIG STR | 110CM | DXT5PIGSTA | DXT6PIGSTA | 6 |
| | PIG STR | 125CM | DXT5PIGSTX | DXT6PIGSTX | 6 |
| | PIG 145 | 110CM | DXT5PIG45A | DXT6PIG45A | 6 |
| PIG 155 | 110CM | DXT5PIG55A | DXT6PIG55A | 6 | |

Packaging options for DxTerity™ Angio-kits Standard curve

GENERAL CHARACTERISTICS • 5 catheters per box • Supplied sterile • Maximum guidewire: 5F = 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 | Judkins Left 4.0 | 100 | 5F |
| | Judkins Right 4.0 | 100 | 5F |
| | Straight Pigtail | 110 | 5F |
| AKSTAN502 | Judkins Left 4.0 | 100 | 5F |
| | Judkins Right 4.0 | 100 | 5F |
| | 145 Pigtail | 110 | 5F |
| AKSTAN601 | Judkins Left 4.0 | 100 | 6F |
| | Judkins Right 4.0 | 100 | 6F |
| | Straight Pigtail | 110 | 6F |
| AKSTAN602 | Judkins Left 4.0 | 100 | 6F |
| | Judkins Right 4.0 | 100 | 6F |
| | 145 Pigtail | 110 | 6F |

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CORONARY DIAGNOSTIC CATHETERS

DxTerity™ Universal Radial Curves

GENERAL CHARACTERISTICS

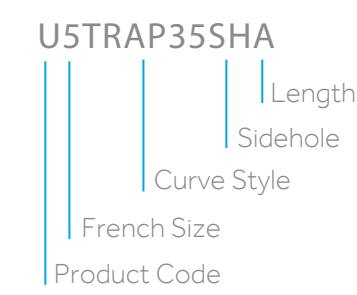
• 5 catheters per box • Supplied sterile • Color-coded hub and packaging • Maximum guidewire: 5F = 0.038"; 6 F = 0.038"

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.

DxTerity™ TRA diagnostic catheters are specifically adapted for radial use, offering four universal radial curve shapes to engage both coronaries without catheter exchange.¹

PRODUCT CODE



| CURVE STYLE | CURVE STYLE | LENGTH (CM) | 5F PRODUCT CODE | 6F PRODUCT CODE | SIDEHOLES |
|-------------|-------------|-------------|-----------------|-----------------|-----------|
| ULTRA | ULTRA 3.5 | 100 | USULTRA35 | U6ULTRA35 | 0 |
| | ULTRA 3.5 | 100 | USULTRA35SH | U6ULTRA35SH | 2 |
| | ULTRA 3.5 | 110 | USULTRA35SHA | U6ULTRA35SHA | 2 |
| | ULTRA 4.0 | 100 | USULTRA40 | U6ULTRA40 | 0 |
| | ULTRA 4.0 | 100 | USULTRA40SH | U6ULTRA40SH | 2 |
| | ULTRA 4.0 | 110 | USULTRA40SHA | U6ULTRA40SHA | 2 |
| | ULTRA 4.5 | 100 | USULTRA45 | U6ULTRA45 | 0 |
| | ULTRA 4.5 | 100 | USULTRA45SH | U6ULTRA45SH | 2 |
| | ULTRA 4.5 | 110 | USULTRA45SHA | U6ULTRA45SHA | 2 |

ORDERING INFORMATION

| CURVE STYLE | CURVE SIZE | LENGTH (CM) | 5F PRODUCT CODE | 6F PRODUCT CODE | SIDEHOLES | |
|-------------|------------|-------------|-----------------|-----------------|------------|---|
| TRApense | TRAP 3.5 | 100 | USTRAP35 | U6TRAP35 | 0 | |
| | TRAP 3.5 | 100 | USTRAP35SH | U6TRAP35SH | 2 | |
| | TRAP 3.5 | 110 | USTRAP35SHA | U6TRAP35SHA | 2 | |
| | TRAP 4.0 | 100 | USTRAP40 | U6TRAP40 | 0 | |
| | TRAP 4.0 | 100 | USTRAP40SH | U6TRAP40SH | 2 | |
| | TRAP 4.0 | 110 | USTRAP40SHA | U6TRAP40SHA | 2 | |
| | TRAP 4.5 | 100 | USTRAP45 | U6TRAP45 | 0 | |
| | TRAP 4.5 | 100 | USTRAP45SH | U6TRAP45SH | 2 | |
| | TRAP 4.5 | 110 | USTRAP45SHA | U6TRAP45SHA | 2 | |
| | TRAnformer | TRAN 3.5 | 100 | USTRAN35 | U6TRAN35 | 0 |
| TRAN 3.5 | | 100 | USTRAN35SH | U6TRAN35SH | 2 | |
| TRAN 3.5 | | 110 | USTRAN35SHA | U6TRAN35SHA | 2 | |
| TRAN 4.0 | | 100 | USTRAN40 | U6TRAN40 | 0 | |
| TRAN 4.0 | | 100 | USTRAN40SH | U6TRAN40SH | 2 | |
| TRAN 4.0 | | 110 | USTRAN40SHA | U6TRAN40SHA | 2 | |
| TRAN 4.5 | | 100 | USTRAN45 | U6TRAN45 | 0 | |
| TRAN 4.5 | | 100 | USTRAN45SH | U6TRAN45SH | 2 | |
| TRAN 4.5 | | 110 | USTRAN45SHA | U6TRAN45SHA | 2 | |
| TRAcker | | TRACK | 100 | USTRACK | U6TRACK | 0 |
| | | TRACK | 100 | USTRACKSH | U6TRACKSH | 2 |
| | | TRACK | 110 | USTRACKSHA | U6TRACKSHA | 2 |
| TRActive | TRACT | 100 | USTRACT | U6TRACT | 0 | |
| | TRACT | 100 | USTRACTSH | U6TRACTSH | 2 | |
| | TRACT | 110 | USTRACTSHA | U6TRACTSHA | 2 | |
| TRApense | TRAP 3.5 | 100 | USTRAP35 | U6TRAP35 | 0 | |

1. In porcine models. Based on preclinical data on file at Medtronic.

PORTFOLIO

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ANGIOGRAPHIC CATHETERS

Sones™ Woven Coronary Catheters Curve Style A Standard Nylon Core

GENERAL CHARACTERISTICS

- Supplied sterile. • Maximum guidewire: 7F, 7.5F & 8F Standard: 0.035"; 7F & 8F Hi-Flow: 0.038"
- Items per box: 10 • All tips taper to 5.5F

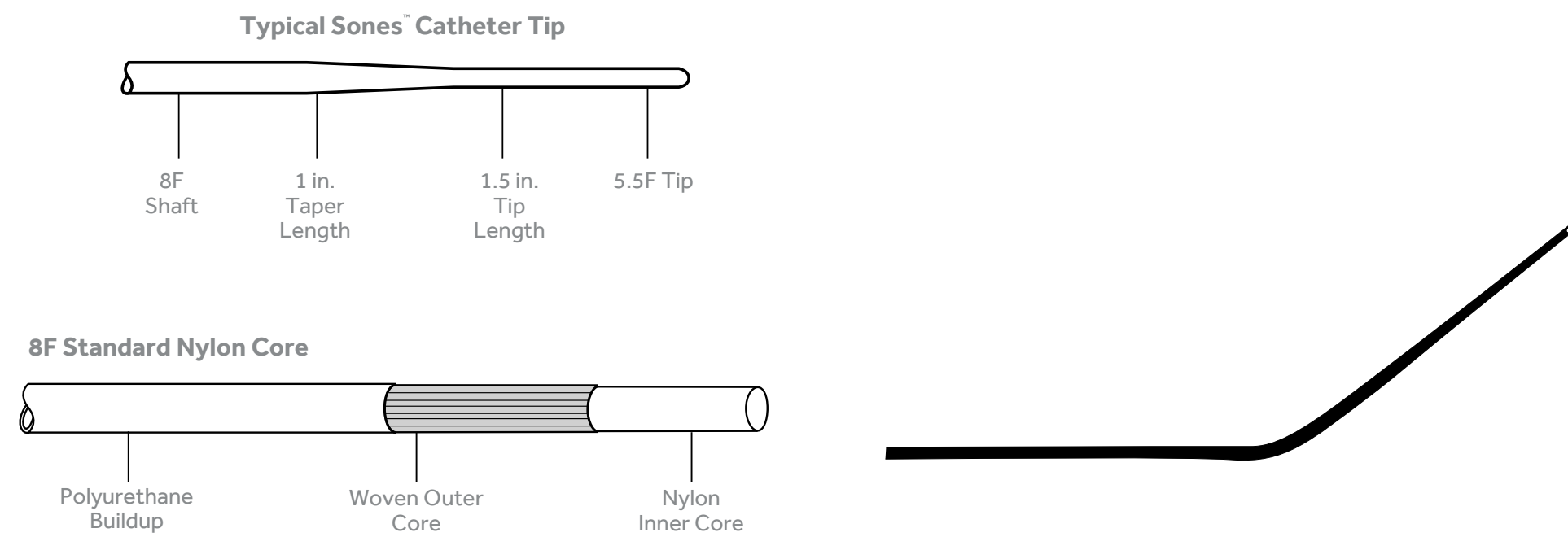
PRODUCT DESCRIPTION

The Sones™ coronary catheter was developed with F. Mason Sones, MD, to meet the evolving clinical needs of the brachial angiographer.

Two Unique Design Features:

- The woven core provides excellent torque control.
- The tapered tip easily adapts to anatomical variations.

Medtronic supplies a variety of catheter constructions and curve style tips as illustrated.



CURVE STYLE A STANDARD NYLON CORE

| PRODUCT CODE | FRENCH SIZE | LENGTH (CM) | TIP LENGTH (IN.) | MINIMUM TIP I.D. (IN.) | COMMENTS |
|--------------|-------------|-------------|------------------|------------------------|----------|
| 007539 | 8 | 100 | 1.5 | 0.036 | |
| 007540 | 8 | 125 | 1.5 | 0.036 | |

Sones™ Woven Coronary Catheters Curve Style B Standard Nylon Core

GENERAL CHARACTERISTICS

- Supplied sterile. • Maximum guidewire: 7F, 7.5F & 8F Standard: 0.035"; 7F & 8F Hi-Flow: 0.038"
- Items per box: 10 • All tips taper to 5.5F

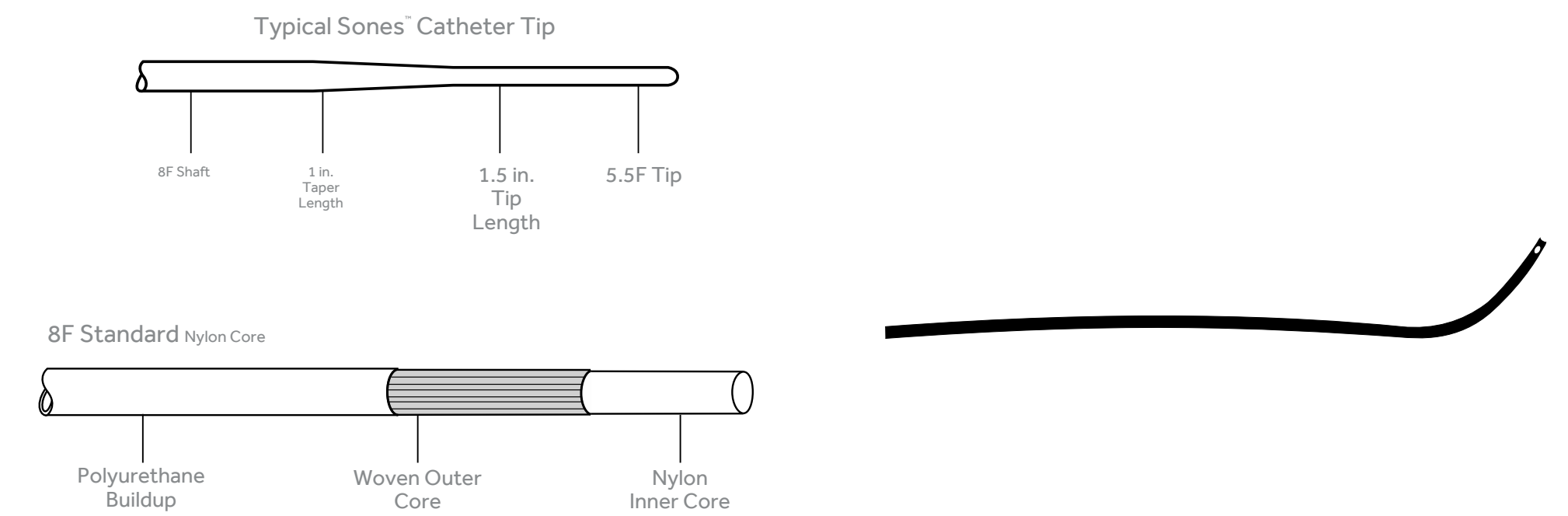
PRODUCT DESCRIPTION

The Sones™ coronary catheter was developed with F. Mason Sones, MD, to meet the evolving clinical needs of the brachial angiographer.

Two Unique Design Features:

- The woven core provides excellent torque control.
- The tapered tip easily adapts to anatomical variations.

Medtronic supplies a variety of catheter constructions and curve style tips as illustrated.



CURVE STYLE B STANDARD NYLON CORE

| PRODUCT CODE | FRENCH SIZE | LENGTH (CM) | TIP LENGTH (IN.) | MINIMUM TIP I.D. (IN.) | COMMENTS |
|--------------|-------------|-------------|------------------|------------------------|----------|
| 007550 | 8 | 80 | 1.5 | 0.036 | |

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ANGIOGRAPHIC CATHETERS

NIH

Woven Coronary catheters High-Volume

GENERAL CHARACTERISTICS

• Supplied sterile • Items per box: 10 • Nylon core • Closed end • Six sideholes • Thin-wall construction

PRODUCT DESCRIPTION

The NIH catheter is designed with a thin wall and nylon core construction to provide maximum flow rates and catheter stability.

The flexible tip makes positioning in the cardiopulmonary system easier. This catheter is used to visualize the aorta, ventricles, pulmonary vasculature and the great veins.



NIH

| PRODUCT CODE | FRENCH SIZE | DESIGN STYLE | LENGTH (CM) |
|------------------|-------------|--------------|-------------|
| 001348 † | 5 | Thin wall | 50 |
| 001353 † | 6 | Thin wall | 80 |
| † Pediatric item | | | |

Pediatric NIH

Woven Coronary catheters High-Volume

GENERAL CHARACTERISTICS

• Supplied sterile • Items per box: 10 • Closed end • Six sideholes (4F catheter has four sideholes) • Thin-wall construction

PRODUCT DESCRIPTION

This thin-walled catheter is designed to provide maximum flow and flexibility.

The catheter can be used for aortic, ventricular, pulmonary and large-vein contrast studies.



PEDIATRIC NIH

| PRODUCT CODE | FRENCH SIZE | DESIGN STYLE | SIDEHOLES | LENGTH (CM) |
|------------------|-------------|--------------|-----------|-------------|
| 001375 † | 4 | Thin wall | 4 | 50 |
| 001377 † | 5 | Thin wall | 6 | 50 |
| 001378 † | 5 | Thin wall | 6 | 80 |
| 001380 † | 6 | Thin wall | 6 | 50 |
| 001381 † | 6 | Thin wall | 6 | 80 |
| 001382 † | 6 | Thin wall | 6 | 100 |
| † Pediatric item | | | | |

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ANGIOGRAPHIC CATHETERS

Pediatric NIH with Cardio-Marker Image Bands Woven Coronary catheters High-Volume

GENERAL CHARACTERISTICS

• Supplied sterile • Items per box: 5 • Closed end • Six sideholes • Thin-wall construction • Band width: 1mm

PRODUCT DESCRIPTION

This thin-walled catheter is designed to provide maximum flow and flexibility. The catheter can be used for aortic, ventricular, pulmonary and large-vein contrast studies.

Bandwidth: 1 mm; two marker bands 1 cm apart ± 0.5 mm (leading edge to leading edge)



PEDIATRIC NIH WITH CARDIO-MARKER IMAGE BANDS

| PRODUCT CODE | FRENCH SIZE | DESIGN STYLE | LENGTH (CM) |
|----------------|-------------|--------------|-------------|
| 010010 | 5 | Thin wall | 010010 - 65 |
| 010011 | 6 | Thin wall | 010011 - 80 |
| 010012 | 7 | Thin wall | 010012 - 80 |
| Pediatric item | | | |

Pediatric Curved NIH Woven Coronary catheters High-Volume

GENERAL CHARACTERISTICS

• Supplied sterile • Items per box: 10 • Closed end • Six sideholes • Thin-wall construction

PRODUCT DESCRIPTION

This thin-walled catheter is designed to provide maximum flow and flexibility.

The catheter can be used for aortic, ventricular, pulmonary and large-vein contrast studies.



PEDIATRIC CURVED NIH

| PRODUCT CODE | FRENCH SIZE | DESIGN STYLE | LENGTH (CM) |
|----------------|-------------|--------------|-------------|
| 008761 | 5 | Thin wall | 65 |
| Pediatric item | | | |

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ANGIOGRAPHIC CATHETERS

Cournand™ Catheter Woven Coronary catheters General Purpose and Transvalvular

GENERAL CHARACTERISTICS

• Supplied sterile • Items per box: 10 • Open end • No sideholes • Standard wall construction

PRODUCT DESCRIPTION

Designed by Andre Cournand, MD, in 1939, the Cournand™ Catheter was the first to be manufactured specifically for use in the heart. The gradually curved tip facilitates easy access to the right heart. The Cournand™ catheter is used for blood sampling and pressure measurements.

The general construction of these catheters consists of a woven outer core and a high-density polyurethane coating.



COURNAND™ CATHETER

| PRODUCT CODE | FRENCH SIZE | DESIGN STYLE | MINIMUM TIP I.D. (IN.) | LENGTH (CM) |
|--------------|-------------|---------------|------------------------|-------------|
| 001433 | 6 | Standard wall | 0.036 | 100 |
| 001434 | 6 | Standard wall | 0.036 | 125 |
| 007455 | 7 | Standard wall | 0.046 | 100 |
| 007456 | 7 | Standard wall | 0.046 | 125 |

Lehman™ Catheter Woven Coronary catheters General Purpose and Transvalvular

GENERAL CHARACTERISTICS

• Supplied sterile • Items per box: 10 • Open end • No sideholes • Thin-wall construction

PRODUCT DESCRIPTION

J.S. Lehman, MD, designed a catheter for right heart studies similar to the Cournand™ catheter. However, the Lehman™ catheter has a thin-wall construction that maximizes catheter flexibility and flow rates.

The general construction of these catheters consists of a woven outer core and a high-density polyurethane coating.



LEHMAN™ CATHETER

| PRODUCT CODE | FRENCH SIZE | DESIGN STYLE | MINIMUM TIP I.D. (IN.) | LENGTH (CM) |
|---------------------|-------------|--------------|------------------------|-------------|
| 001253 [†] | 5 | Thin wall | 0.032 | 50 |
| 001254 [†] | 5 | Thin wall | 0.032 | 80 |
| 001263 | 7 | Thin wall | 0.055 | 100 |
| 001264 | 7 | Thin wall | 0.055 | 125 |

[†] Pediatric item

PORTFOLIO

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ANGIOGRAPHIC CATHETERS

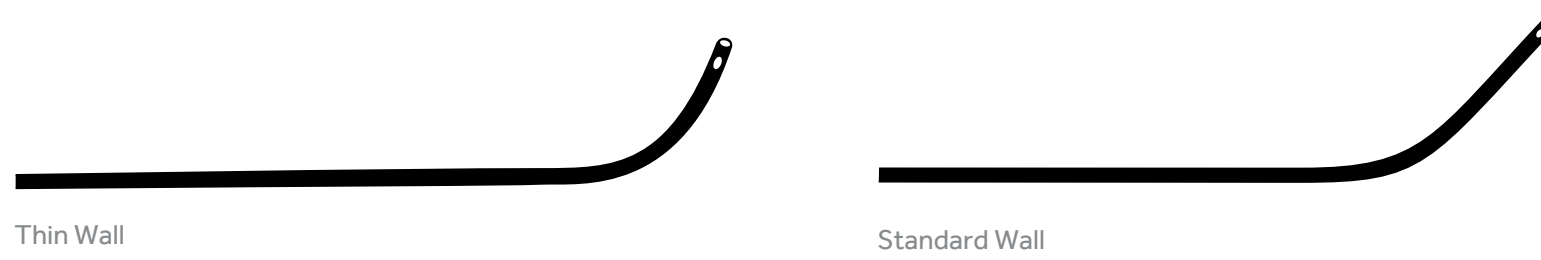
Goodale-Lubin™ Catheter Woven Coronary catheters General Purpose and Transvalvular

GENERAL CHARACTERISTICS

• Supplied sterile • Items per box: 10 • Open end • Two laterally opposed sideholes • Thin-wall or standard-wall construction.

PRODUCT DESCRIPTION

The general construction of these catheters consists of a woven outer core and a high-density polyurethane coating. Walter T. Goodale, MD, and Martin Lubin, MD, developed standard-wall and thin-wall catheters similar to the Courmand™ and Lehman™ catheters in construction and tip curve. The additional feature of the Goodale-Lubin™ catheter is the two laterally opposed sideholes just proximal to the tip for improved disbursement of contrast during right heart angiography.



GOODALE-LUBIN™ CATHETER

| PRODUCT CODE | FRENCH SIZE | DESIGN STYLE | MINIMUM TIP I.D. (IN.) | LENGTH (CM) |
|--------------|-------------|---------------|------------------------|-------------|
| 001279 ★ | 5 | Thin wall | 0.032 | 80 |
| 001453 ★ | 5 | Standard wall | 0.026 | 50 |
| 001284 | 6 | Thin wall | 0.043 | 100 |
| 001288 | 7 | Thin wall | 0.055 | 100 |
| 007459 | 7 | Standard wall | 0.046 | 100 |
| 007460 | 7 | Standard wall | 0.046 | 125 |

★ Pediatric item

PTFE-Coated Guidewires: Fixed Core Straight Tip

GENERAL CHARACTERISTICS

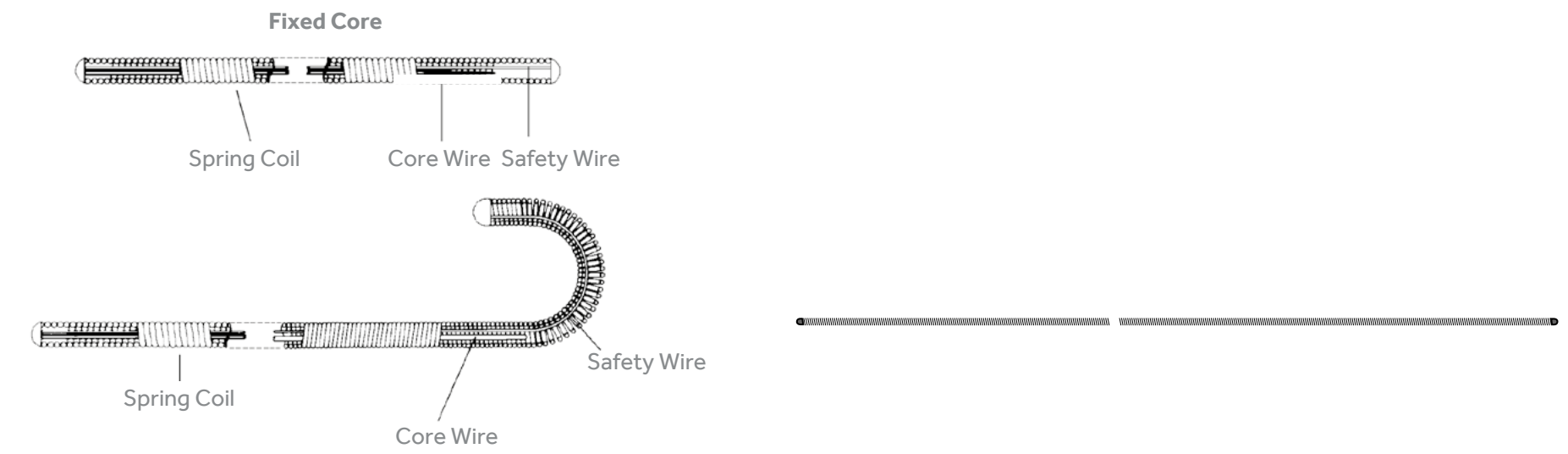
• Supplied sterile • Packaged in coiled hoops • Items per box: 10

PRODUCT DESCRIPTION

This design has a gradually tapered core that minimizes trauma to the vessel. Angiography guidewires come with a PTFE coating applied over the entire core, enabling free movement and a smooth sliding action.

A unique 'J' tip configuration is available on the fixed core wires. This 'J' tip can be "fingertip-straightened" from virtually any point of the wire shaft. This built-in convenience eliminates the need for a 'J' straightening tool for wire loading.

Medtronic offers a variety of tip configurations, sizes and styles. The two most common tip configurations are straight and 'J'. Medtronic guidewires are available in a range of diameters and are compatible with the minimal needle sizes noted in the table.



| Guidewire Diameter in./mm | Minimum Needle Size | Minimal Needle Size Compatibility |
|---------------------------|---------------------|-----------------------------------|
| 0.025/0.6 | 19 gauge | |
| 0.032/0.8 | 18 gauge | |
| 0.035/0.9 | 18 gauge | |
| 0.038/1.0 | 18 gauge | |
| 0.045/1.1 | 16 gauge | |

STRAIGHT TIP

| PRODUCT CODE | SIZE IN./MM | LENGTH (CM) | COMMENTS |
|--------------|-------------|-------------|-----------------------------|
| 007468 | 0.035/0.9 | 145 | Extra long taper core 15 cm |
| 007643 | 0.038/1.0 | 145 | Extra long taper core 15 cm |
| 007467 | 0.035/0.9 | 145 | Long taper core 10 cm |
| 007642 | 0.038/1.0 | 145 | Long taper core 10 cm |
| 007641 | 0.025/0.6 | 120 | Standard taper core 6 cm |
| 010387 | 0.025/0.6 | 145 | Standard taper core 6 cm |
| 007644 | 0.032/0.8 | 120 | Standard taper core 6 cm |
| 007645 | 0.032/0.8 | 145 | Standard taper core 6 cm |
| 007045 | 0.035/0.9 | 120 | Standard taper core 6 cm |
| 007046 | 0.035/0.9 | 145 | Standard taper core 6 cm |
| 008629 | 0.035/0.9 | 175 | Standard taper core 6 cm |
| 007048 | 0.038/1.0 | 145 | Standard taper core 6 cm |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



ANGIOGRAPHIC WIRES

PTFE-Coated Guidewires: Fixed Core 1.5-mm 'J' Tip

GENERAL CHARACTERISTICS

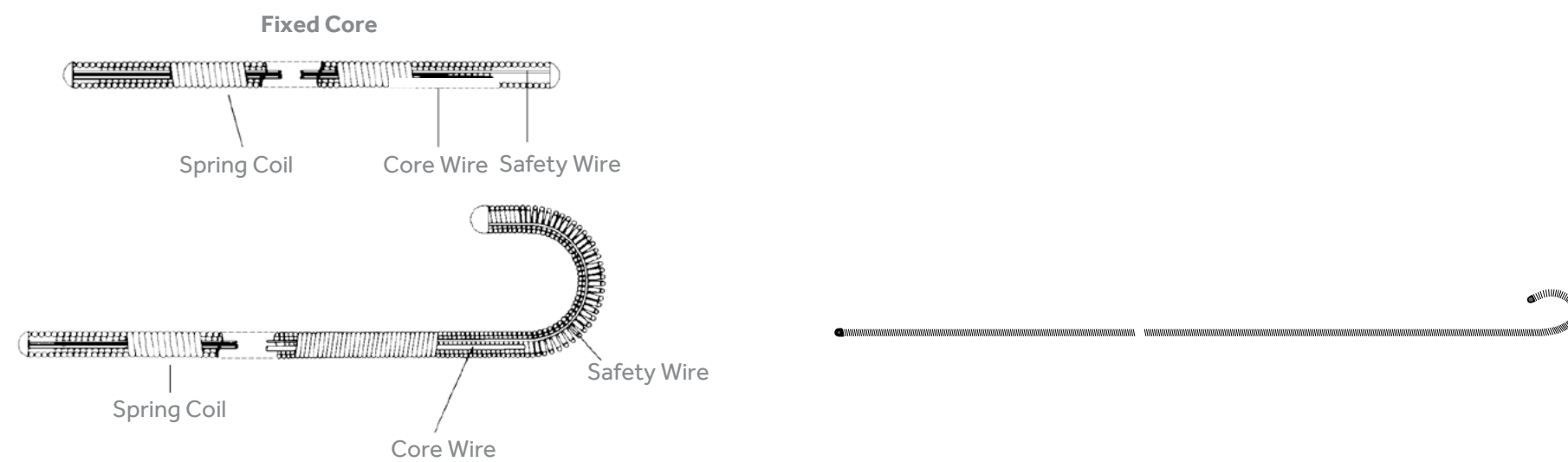
• Supplied sterile. • Packaged in coiled hoops. • Items per box: 10

PRODUCT DESCRIPTION

This design has a gradually tapered core that minimizes trauma to the vessel. Angiography guidewires come with a PTFE coating applied over the entire core, enabling free movement and a smooth sliding action.

A unique 'J' tip configuration is available on the fixed core wires. This 'J' tip can be "fingertip-straightened" from virtually any point of the wire shaft. This built-in convenience eliminates the need for a 'J' straightening tool for wire loading.

Medtronic offers a variety of tip configurations, sizes and styles. The two most common tip configurations are straight and 'J'. Medtronic guidewires are available in a range of diameters and are compatible with the minimal needle sizes noted in the table.



| Guidewire Diameter in./mm | Minimum Needle Size | Minimal Needle Size Compatibility |
|---------------------------|---------------------|-----------------------------------|
| 0.025/0.6 | 19 gauge | |
| 0.032/0.8 | 18 gauge | |
| 0.035/0.9 | 18 gauge | |
| 0.038/1.0 | 18 gauge | |
| 0.045/1.1 | 16 gauge | |

1.5-MM 'J' TIP

| PRODUCT CODE | SIZE IN./MM | LENGTH (CM) | COMMENTS |
|--------------|-------------|-------------|-----------------|
| 008944 | 0.035/0.9 | 175 | Rosen guidewire |
| 008945 | 0.038/1.0 | 175 | Rosen guidewire |

PTFE-Coated Guidewires: Fixed Core 3-mm 'J' Tip

GENERAL CHARACTERISTICS

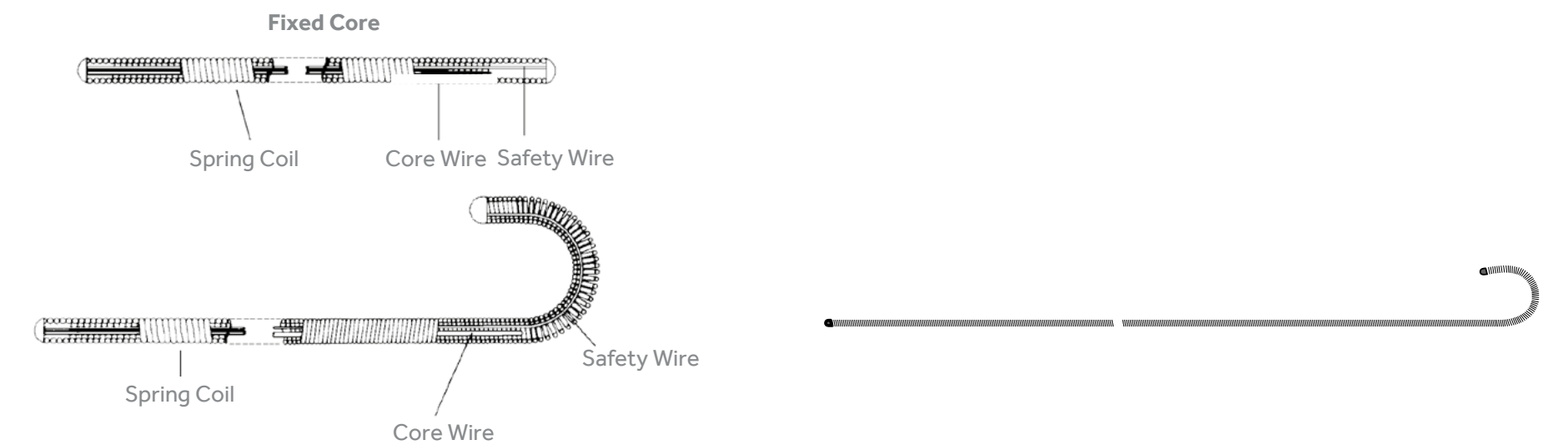
• Supplied sterile. • Packaged in coiled hoops. • Items per box: 10

PRODUCT DESCRIPTION

This design has a gradually tapered core that minimizes trauma to the vessel. Angiography guidewires come with a PTFE coating applied over the entire core, enabling free movement and a smooth sliding action.

A unique 'J' tip configuration is available on the fixed core wires. This 'J' tip can be "fingertip-straightened" from virtually any point of the wire shaft. This built-in convenience eliminates the need for a 'J' straightening tool for wire loading.

Medtronic offers a variety of tip configurations, sizes and styles. The two most common tip configurations are straight and 'J'. Medtronic guidewires are available in a range of diameters and are compatible with the minimal needle sizes noted in the table.



| Guidewire Diameter in./mm | Minimum Needle Size | Minimal Needle Size Compatibility |
|---------------------------|---------------------|-----------------------------------|
| 0.025/0.6 | 19 gauge | |
| 0.032/0.8 | 18 gauge | |
| 0.035/0.9 | 18 gauge | |
| 0.038/1.0 | 18 gauge | |
| 0.045/1.1 | 16 gauge | |

3-MM 'J' TIP

| PRODUCT CODE | SIZE IN./MM | LENGTH (CM) | COMMENTS |
|--------------|-------------|-------------|--------------------------|
| 010388 | 0.025/0.6 | 145 | Standard taper core 6 cm |
| 008952 | 0.028/0.7 | 145 | Standard taper core 6 cm |
| 008953 | 0.032/0.8 | 145 | Standard taper core 6 cm |
| 007041 | 0.035/0.9 | 120 | Standard taper core 6 cm |
| 007042 | 0.035/0.9 | 145 | Standard taper core 6 cm |
| 008627 | 0.035/0.9 | 175 | Standard taper core 6 cm |
| 007044 | 0.038/1.0 | 145 | Standard taper core 6 cm |
| 008628 | 0.038/1.0 | 175 | Standard taper core 6 cm |
| 010003 | 0.035/0.9 | 145 | Long taper core 10 cm |
| 010004 | 0.038/1.0 | 145 | Long taper core 10 cm |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



ANGIOGRAPHIC WIRES

PTFE-Coated Guidewires: Fixed Core

6-mm 'J' Tip

GENERAL CHARACTERISTICS

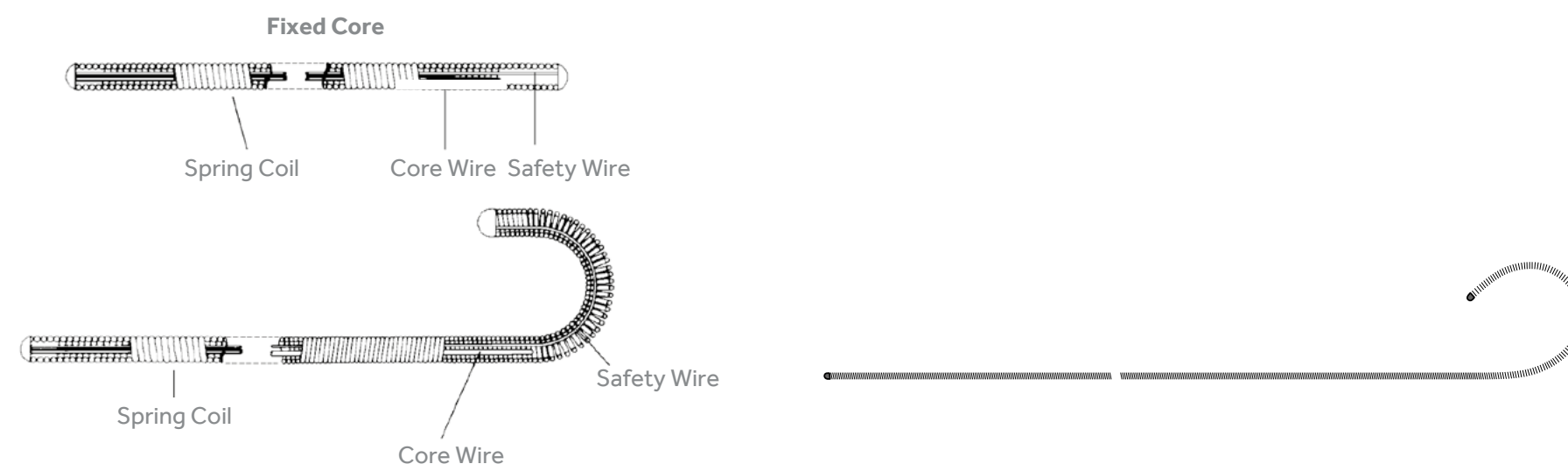
• Supplied sterile. • Packaged in coiled hoops. • Items per box: 10

PRODUCT DESCRIPTION

This design has a gradually tapered core that minimizes trauma to the vessel. Angiography guidewires come with a PTFE coating applied over the entire core, enabling free movement and a smooth sliding action.

A unique 'J' tip configuration is available on the fixed core wires. This 'J' tip can be "fingertip-straightened" from virtually any point of the wire shaft. This built-in convenience eliminates the need for a 'J' straightening tool for wire loading.

Medtronic offers a variety of tip configurations, sizes and styles. The two most common tip configurations are straight and 'J'. Medtronic guidewires are available in a range of diameters and are compatible with the minimal needle sizes noted in the table.



| Guidewire Diameter in./mm | Minimum Needle Size | Minimal Needle Size Compatibility |
|---------------------------|---------------------|-----------------------------------|
| 0.025/0.6 | 19 gauge | |
| 0.032/0.8 | 18 gauge | |
| 0.035/0.9 | 18 gauge | |
| 0.038/1.0 | 18 gauge | |
| 0.045/1.1 | 16 gauge | |

6-MM 'J' TIP

| PRODUCT CODE | SIZE IN./MM | LENGTH (CM) | COMMENTS |
|--------------|-------------|-------------|--------------------------|
| 007441 | 0.035/0.9 | 145 | Standard taper core 6 cm |
| 007443 | 0.038/1.0 | 145 | Standard taper core 6 cm |

PTFE-Coated Guidewires: Fixed Core

15-mm 'J' Tip

GENERAL CHARACTERISTICS

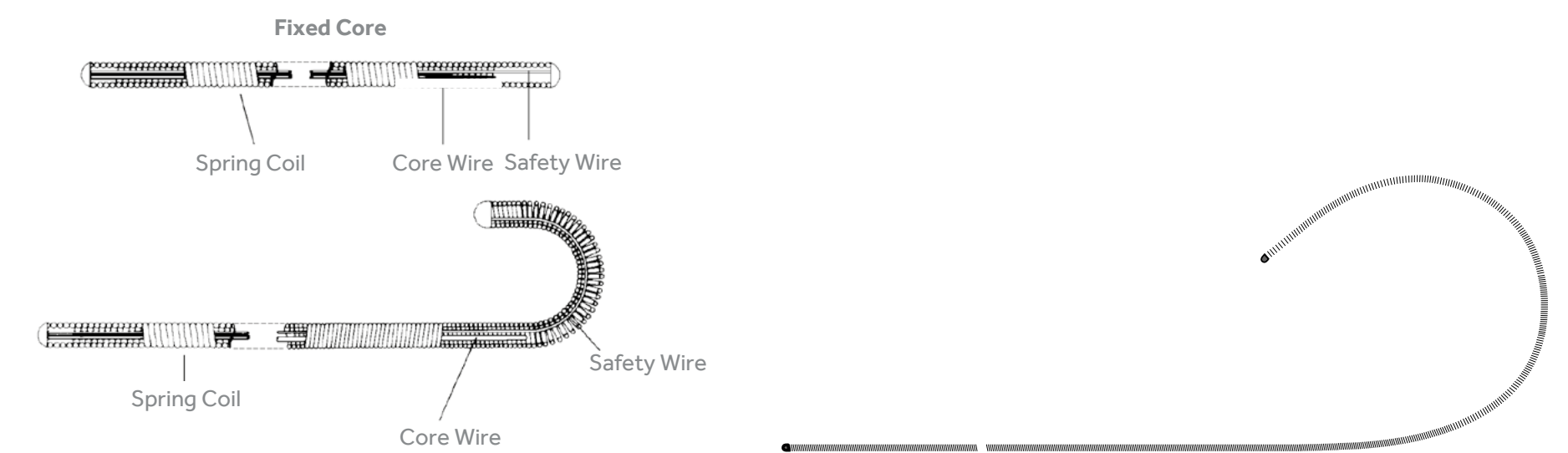
• Supplied sterile. • Packaged in coiled hoops. • Items per box: 10

PRODUCT DESCRIPTION

This design has a gradually tapered core that minimizes trauma to the vessel. Angiography guidewires come with a PTFE coating applied over the entire core, enabling free movement and a smooth sliding action.

A unique 'J' tip configuration is available on the fixed core wires. This 'J' tip can be "fingertip-straightened" from virtually any point of the wire shaft. This built-in convenience eliminates the need for a 'J' straightening tool for wire loading.

Medtronic offers a variety of tip configurations, sizes and styles. The two most common tip configurations are straight and 'J'. Medtronic guidewires are available in a range of diameters and are compatible with the minimal needle sizes noted in the table.



| Guidewire Diameter in./mm | Minimum Needle Size | Minimal Needle Size Compatibility |
|---------------------------|---------------------|-----------------------------------|
| 0.025/0.6 | 19 gauge | |
| 0.032/0.8 | 18 gauge | |
| 0.035/0.9 | 18 gauge | |
| 0.038/1.0 | 18 gauge | |
| 0.045/1.1 | 16 gauge | |

15-MM 'J' TIP

| PRODUCT CODE | FRENCH SIZE | LENGTH (CM) | COMMENTS |
|--------------|-------------|-------------|--------------------------|
| 007471 | 0.035/0.9 | 145 | Standard taper core 6 cm |
| 007472 | 0.038/1.0 | 145 | Standard taper core 6 cm |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



ANGIOGRAPHIC WIRES

PTFE-Coated Guidewires: Movable Core Straight Tip

GENERAL CHARACTERISTICS

• Supplied sterile. • Packaged in coiled hoops. • Variable stiffness. • Items per box: 10

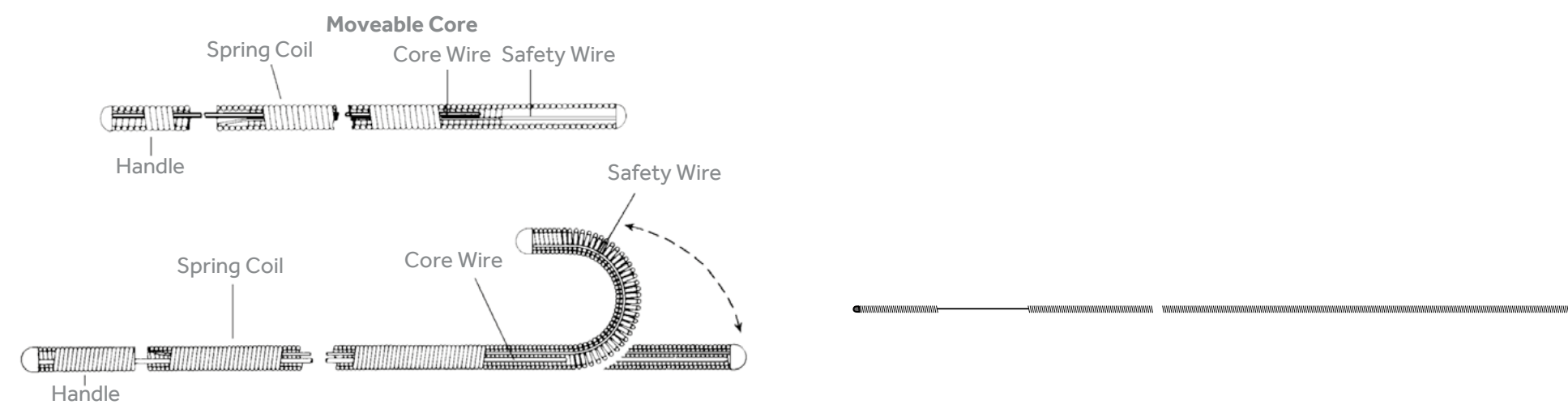
PRODUCT DESCRIPTION

This design allows the wire softness to be adjusted manually by moving the core wire back and forth, allowing the operator to lengthen or shorten at will.

Angiography guidewires come with a PTFE coating applied over the entire core, enabling free movement and a smooth sliding action.

A unique 'J' tip configuration is available on the movable core wires. This 'J' tip can be "fingertipstraightened" from virtually any point of the wire shaft.

This built-in convenience eliminates the need for a 'J' straightening tool for wire loading. Medtronic offers a variety of tip configurations, sizes and styles. The two most common tip configurations are straight and 'J'. Medtronic guidewires are available in a range of diameters and are compatible with the minimal needle sizes noted in the table.



| Guidewire Diameter in./mm | Minimum Needle Size | Minimal Needle Size Compatibility |
|---------------------------|---------------------|-----------------------------------|
| 0.025/0.6 | 19 gauge | |
| 0.032/0.8 | 18 gauge | |
| 0.035/0.9 | 18 gauge | |
| 0.038/1.0 | 18 gauge | |
| 0.045/1.1 | 16 gauge | |

STRAIGHT TIP

| PRODUCT CODE | SIZE IN./MM | LENGTH (CM) |
|--------------|-------------|-------------|
| 007647 | 0.032/0.8 | 145 |
| 007051 | 0.035/0.9 | 145 |
| 007053 | 0.038/1.0 | 145 |

PTFE-Coated Guidewires: Movable Core 3-mm 'J' Tip

GENERAL CHARACTERISTICS

• Supplied sterile. • Packaged in coiled hoops. • Variable stiffness. • Items per box: 10

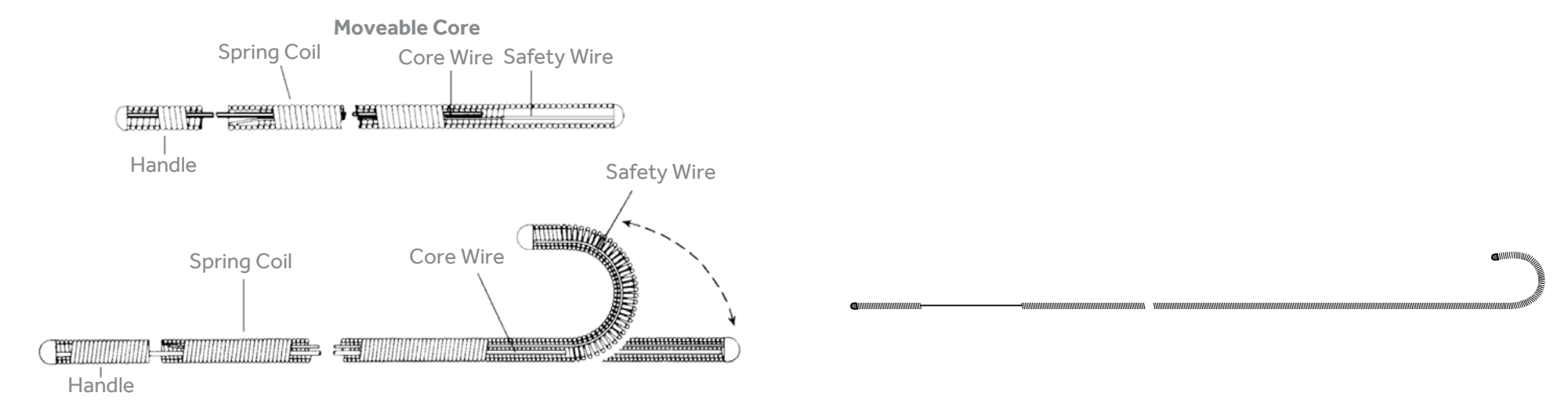
PRODUCT DESCRIPTION

This design allows the wire softness to be adjusted manually by moving the core wire back and forth, allowing the operator to lengthen or shorten at will.

Angiography guidewires come with a PTFE coating applied over the entire core, enabling free movement and a smooth sliding action.

A unique 'J' tip configuration is available on the movable core wires. This 'J' tip can be "fingertipstraightened" from virtually any point of the wire shaft.

This built-in convenience eliminates the need for a 'J' straightening tool for wire loading. Medtronic offers a variety of tip configurations, sizes and styles. The two most common tip configurations are straight and 'J'. Medtronic guidewires are available in a range of diameters and are compatible with the minimal needle sizes noted in the table.



| Guidewire Diameter in./mm | Minimum Needle Size | Minimal Needle Size Compatibility |
|---------------------------|---------------------|-----------------------------------|
| 0.025/0.6 | 19 gauge | |
| 0.032/0.8 | 18 gauge | |
| 0.035/0.9 | 18 gauge | |
| 0.038/1.0 | 18 gauge | |
| 0.045/1.1 | 16 gauge | |

3-MM 'J' TIP

| PRODUCT CODE | SIZE IN./MM | LENGTH (CM) |
|--------------|-------------|-------------|
| 007648 | 0.032/0.8 | 120 |
| 007649 | 0.032/0.8 | 145 |
| 007446 | 0.035/0.9 | 120 |
| 007447 | 0.035/0.9 | 145 |
| 007054 | 0.038/1.0 | 145 |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



ANGIOGRAPHIC WIRES

PTFE-Coated Guidewires: Movable Core 6-mm 'J' Tip

GENERAL CHARACTERISTICS

- Supplied sterile. • Packaged in coiled hoops. • Variable stiffness. • Items per box: 10

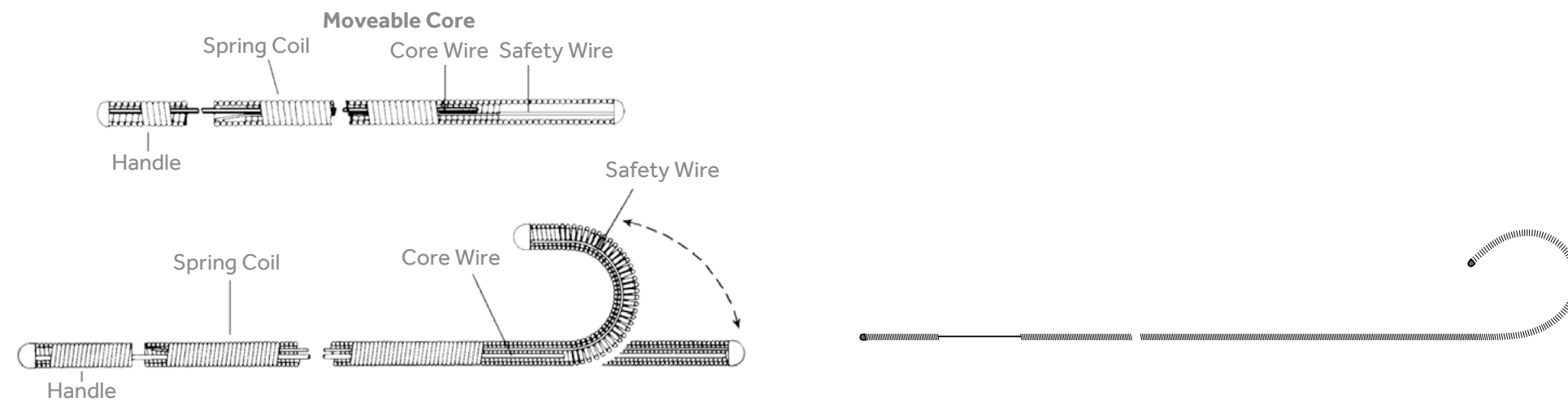
PRODUCT DESCRIPTION

This design allows the wire softness to be adjusted manually by moving the core wire back and forth, allowing the operator to lengthen or shorten at will.

Angiography guidewires come with a PTFE coating applied over the entire core, enabling free movement and a smooth sliding action.

A unique 'J' tip configuration is available on the movable core wires. This 'J' tip can be "fingertipstraightened" from virtually any point of the wire shaft.

This built-in convenience eliminates the need for a 'J' straightening tool for wire loading. Medtronic offers a variety of tip configurations, sizes and styles. The two most common tip configurations are straight and 'J'. Medtronic guidewires are available in a range of diameters and are compatible with the minimal needle sizes noted in the table.



| Guidewire Diameter in./mm | Minimum Needle Size | Minimal Needle Size Compatibility |
|---------------------------|---------------------|-----------------------------------|
| 0.025/0.6 | 19 gauge | |
| 0.032/0.8 | 18 gauge | |
| 0.035/0.9 | 18 gauge | |
| 0.038/1.0 | 18 gauge | |
| 0.045/1.1 | 16 gauge | |

6-MM 'J' TIP

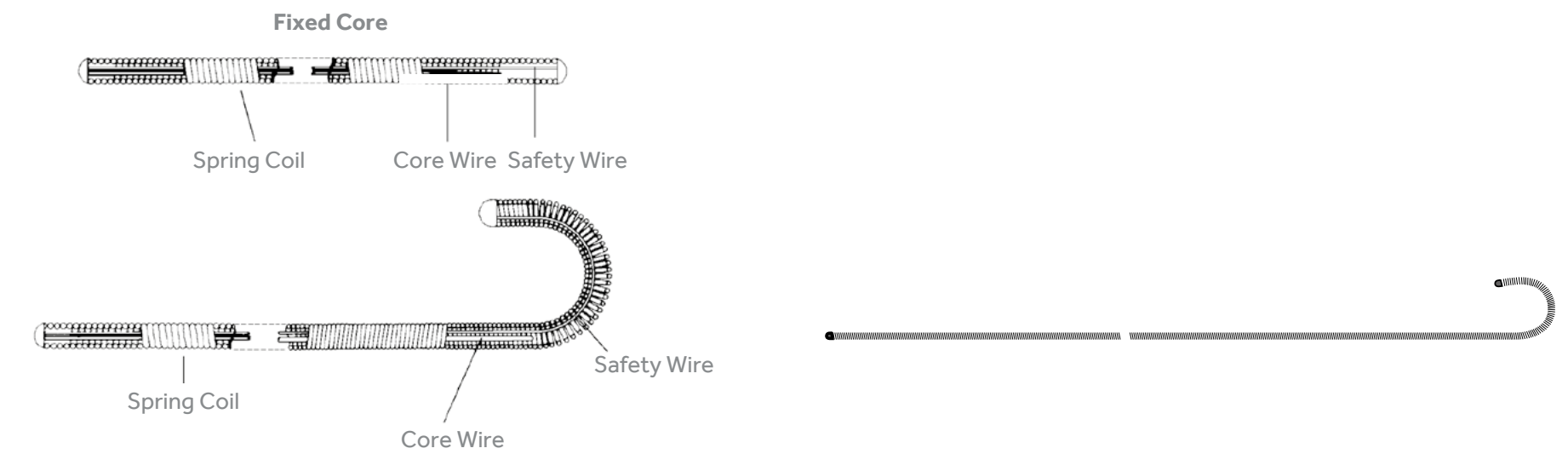
| PRODUCT CODE | SIZE IN./MM | LENGTH (CM) |
|--------------|-------------|-------------|
| 007445 | 0.035/0.9 | 145 |

Support and Exchange wires 3-mm 'J' Tip Exchange Wire: Fixed Core

GENERAL CHARACTERISTICS

- Supplied sterile. • Packaged in coiled hoops. • PTFE coated. • Items per box: 10

PRODUCT DESCRIPTION



| Guidewire Diameter in./mm | Minimum Needle Size | Minimal Needle Size Compatibility |
|---------------------------|---------------------|-----------------------------------|
| 0.025/0.6 | 19 gauge | |
| 0.032/0.8 | 18 gauge | |
| 0.035/0.9 | 18 gauge | |
| 0.038/1.0 | 18 gauge | |
| 0.045/1.1 | 16 gauge | |

3-MM 'J' TIP EXCHANGE WIRE: FIXED CORE

| PRODUCT CODE | SIZE IN./MM | LENGTH (CM) | COMMENTS |
|--------------|-------------|-------------|--------------------------|
| 008631 | 0.035/0.9 | 260 | Standard taper core 6 cm |
| 008634 | 0.038/1.0 | 260 | Standard taper core 6 cm |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



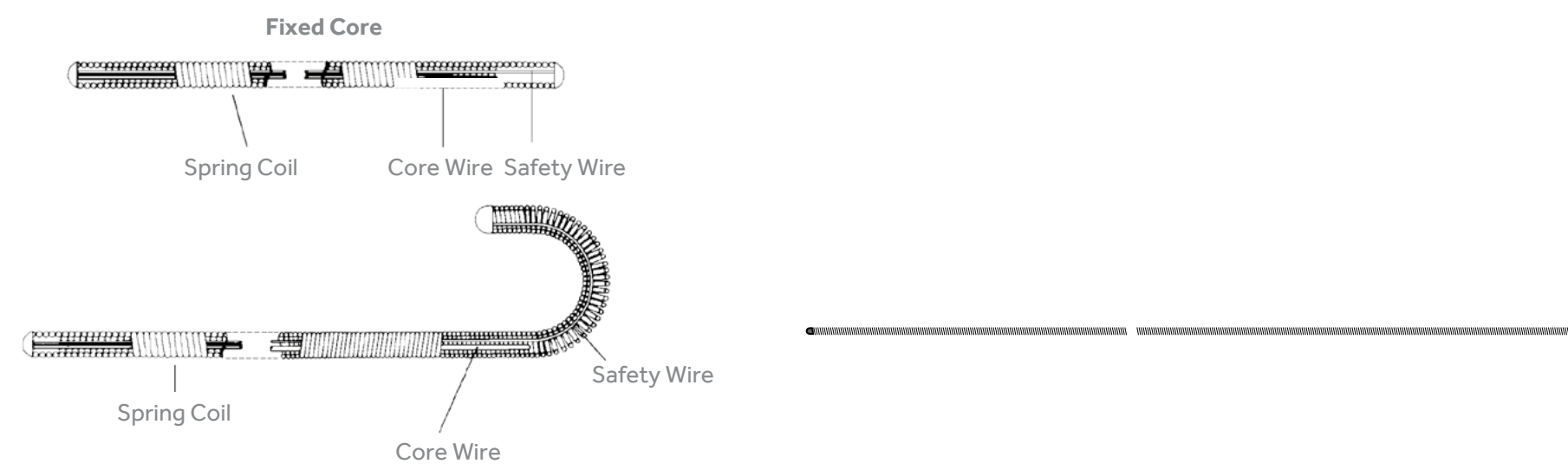
ANGIOGRAPHIC WIRES

Support and Exchange wires Straight Tip Exchange Wire: Fixed Core

GENERAL CHARACTERISTICS

• Supplied sterile. • Packaged in coiled hoops. • PTFE coated. • Items per box: 10

PRODUCT DESCRIPTION



| Guidewire Diameter in./mm | Minimum Needle Size | Minimal Needle Size Compatibility |
|---------------------------|---------------------|-----------------------------------|
| 0.025/0.6 | 19 gauge | |
| 0.032/0.8 | 18 gauge | |
| 0.035/0.9 | 18 gauge | |
| 0.038/1.0 | 18 gauge | |
| 0.045/1.1 | 16 gauge | |

STRAIGHT TIP EXCHANGE WIRE: FIXED CORE

| PRODUCT CODE | SIZE IN./MM | LENGTH (CM) | COMMENTS |
|--------------|-------------|-------------|--------------------------|
| 008633 | 0.035/0.9 | 260 | Standard taper core 6 cm |
| 008632 | 0.038/1.0 | 260 | Standard taper core 6 cm |

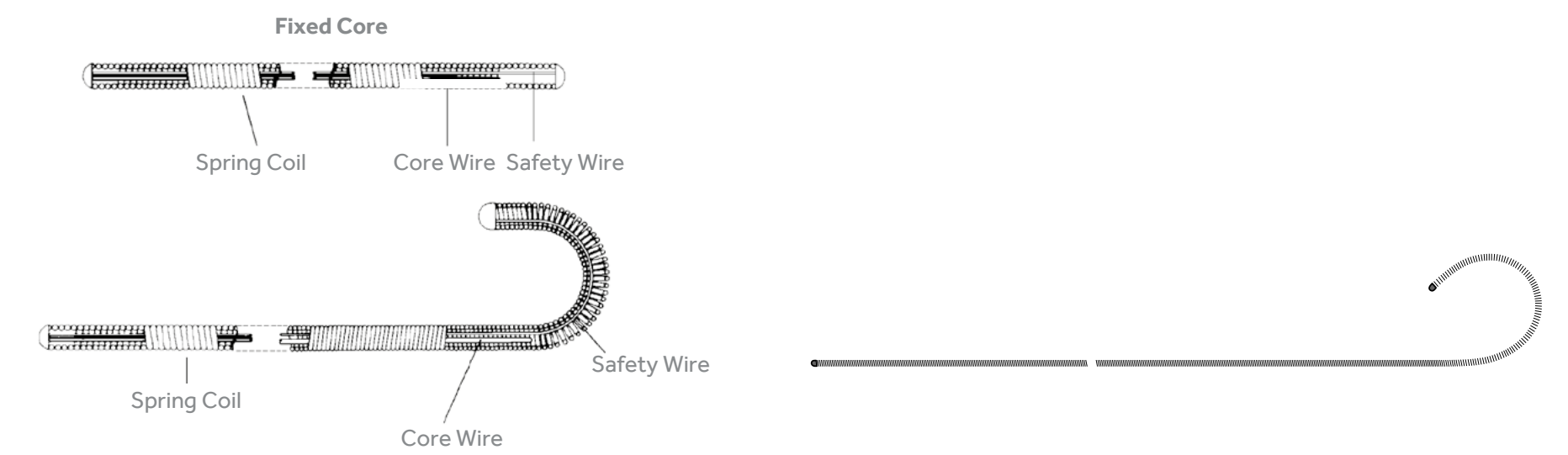
Support and Exchange wires PTFE-Coated 0.063" Guidewire

GENERAL CHARACTERISTICS

• Supplied sterile. • Packaged in coiled hoops. • PTFE coated. • Items per box: 10

PRODUCT DESCRIPTION

For placement of guiding catheter (flexible distal tip, fixed core)



PTFE-COATED 0.063" GUIDEWIRE

| PRODUCT CODE | TIP | DIAMETER (IN.) | LENGTH (CM) |
|--------------|----------|----------------|-------------|
| 008418 | 6-mm 'J' | 0.063 | 160 |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

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6. SUPPORT CATHETER

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11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



INTERVENTIONAL ACCESSORIES



INTERVENTIONAL ACCESSORIES

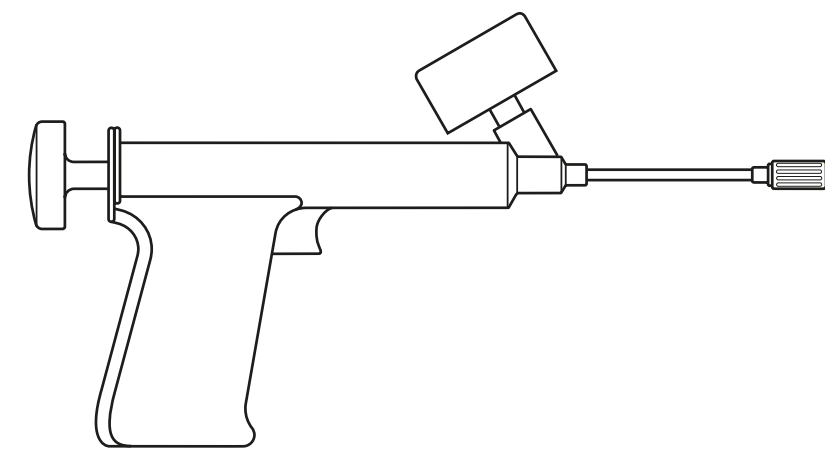
Everest™ Disposable Inflation Device and Accessories

GENERAL CHARACTERISTICS

• Supplied sterile. • Items per box: 1 • Kits per box: 1

PRODUCT DESCRIPTION

- Available with a 3-way stopcock.
- The pistol-grip fits comfortably in either hand and its trigger mechanism is easy to use for all operators.
- A 20-cc syringe capacity provides rapid negative pressures to speed deflation times.
- The 20 atm/bar and 30 atm/bar luminescent gauges are easy to read under low light conditions. Accurate readings within +/- 3% of gauge full scale.



EVEREST INFLATION DEVICE

| 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 Everest20 atm inflation device, 1 three-way stopcock, Piton™ Y-adapter, guidewire insertion tool, and torque handle |
| AC3205P | Everest30 Survival Kit | 1 Everest30 atm inflation device, 1 three-way stopcock, Piton™ Y-adapter, guidewire insertion tool, and torque handle |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

7. INTERVENTIONAL GUIDEWIRES

8. ASPIRATION CATHETERS

9. ANGIOGRAPHIC CATHETERS AND WIRES

10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



INTERVENTIONAL ACCESSORIES

Piton™

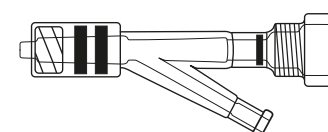
Disposable PTCA Y-Adaptor and Y-Adaptor Kits

GENERAL CHARACTERISTICS

• Supplied sterile. • Items per box: 5

PRODUCT DESCRIPTION

- Designed for today's smaller shafted balloon catheters.
- Large, ridged cap and extra length simplify handling.
- Cap won't fall off.
- Lubricious gasket allows better maneuverability.



Piton™ Y-Adaptor



Insertion Tool

PITON™ Y-ADAPTOR

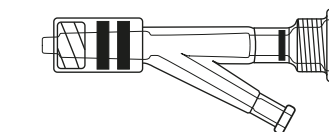
| PRODUCT CODE | COLOR | LUMEN I.D. (IN.) | PACKAGED WITH |
|--------------|------------|------------------|--------------------------------------|
| AC4001M | Clear/Blue | 0.110 | 1 Piton™ Y-Adaptor, 1 insertion tool |

GENERAL CHARACTERISTICS

• Supplied sterile. • Items per box: 5

PRODUCT DESCRIPTION

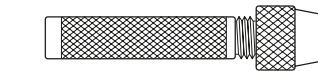
- Designed for today's smaller shafted balloon catheters.
- Large, ridged cap and extra length simplify handling.
- Cap won't fall off.
- Lubricious gasket allows better maneuverability.



Piton™ Y-Adaptor



Insertion Tool



Torque Handle

PITON™ Y-ADAPTOR KIT

| PRODUCT CODE | LUMEN I.D. (IN.) | PACKAGED WITH |
|--------------|------------------|---|
| AC4003M | 0.110 | 1 Piton™ Y-Adaptor, 1 insertion tool, 1 torque handle |

PORTFOLIO

1. DRUG ELUTING STENTS

2. BARE METAL STENTS

3. BALLOON DILATATION CATHETERS

4. DRUG ELUTING BALLOONS

5. GUIDE CATHETER FAMILY

6. SUPPORT CATHETER

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10. INTERVENTIONAL ACCESSORIES

11. PEDIATRIC AND TRANSSEPTAL PRODUCTS

12. RENAL DENERVATION



INTERVENTIONAL ACCESSORIES

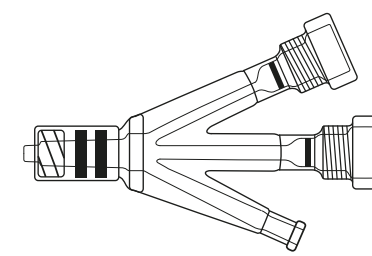
Piton™ Disposable PTCA Y-Adaptor and Y-Adaptor Kits

GENERAL CHARACTERISTICS

- Supplied sterile. • Items per box: 5

PRODUCT DESCRIPTION

- Designed for today's smaller shafted balloon catheters.
- Large, ridged cap and extra length simplify handling.
- Cap won't fall off.
- Lubricious gasket allows better maneuverability.



Piton™ Tri-Adaptor



Insertion Tool

PITON™ TRI-ADAPTORS

| PRODUCT CODE | LUMEN I.D. (IN.) | PACKAGED WITH |
|--------------|------------------|--|
| AC4002M | 0.110 | 1 Piton™ Tri-Adaptor, 1 insertion tool |

Metal guidewire insertion tool

GENERAL CHARACTERISTICS

- Supplied sterile. • Items per box: 5

PRODUCT DESCRIPTION

For use with Piton™ Y-Adaptors and Tri-Adaptors.



Stretch Insertion Tool

STRETCH INSERTION TOOL

| PRODUCT CODE | DESCRIPTION |
|--------------|------------------------|
| 006073 | Stretch insertion tool |

PORTFOLIO

1. DRUG ELUTING STENTS

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10. INTERVENTIONAL ACCESSORIES

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12. RENAL DENERVATION



INTERVENTIONAL ACCESSORIES

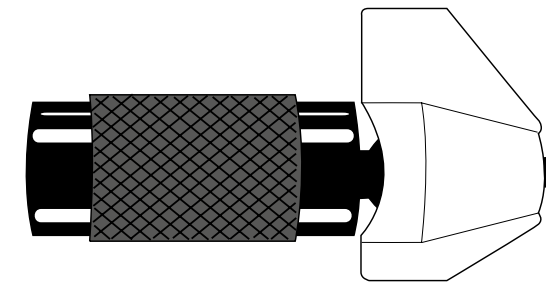
Steering Handle

GENERAL CHARACTERISTICS

• Supplied sterile. • Items per box: 5

PRODUCT DESCRIPTION

For use with PTCA guidewires.
Plastic nut with metal jaws.



STEERING HANDLE

PRODUCT CODE
008958

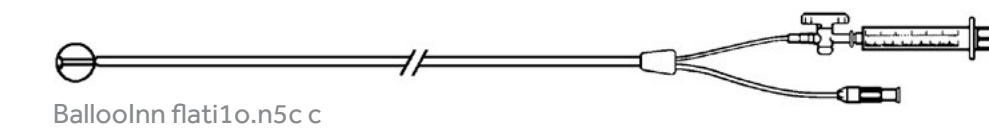
Pulmonary Wedge Pressure (PWP) Catheter

GENERAL CHARACTERISTICS

• Supplied sterile. • For single use. • Maximum guidewire: 0.038" • Items per box: 5
• Packaged with balloon inflation syringe.

PRODUCT DESCRIPTION

• Provides rapid and accurate placement for hemodynamic pressure readings.
• Large lumen for blood sampling and excellent pressure tracings.



Balloon flat 1.0 x 5 cm

PULMONARY WEDGE PRESSURE (PWP) CATHETER

| PRODUCT CODE | FRENCH SIZE | LENGTH (CM) |
|--------------|-------------|-------------|
| 150075 | 7 | 110 |

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PEDIATRIC AND TRANSSEPTAL PRODUCTS



PEDIATRIC PRODUCTS

Lehman™ Catheter Pediatric Woven Coronary Catheters

GENERAL CHARACTERISTICS

- Supplied sterile. • Items per box: 10 • Maximum guidewire equals minimum tip I.D. • Closed end.
- Thin-wall construction.

PRODUCT DESCRIPTION

J.S. Lehman, MD, developed the Lehman™ ventriculography catheter. This catheter is specifically designed to be placed easily into the left ventricle via the aorta. The flexible, tapered distal tip is slightly curved to assist passage through the aortic valve and to sit freely in the contour of the left ventricle. This catheter provides excellent flow rates and catheter stability due to its thin-wall construction.



LEHMAN™ CATHETER

| PRODUCT CODE | FRENCH SIZE | DESIGN STYLE | MINIMUM TIP I.D. (IN.) | LENGTH (CM) | COMMENTS |
|----------------|-------------|--------------|------------------------|-------------|--------------|
| 001253 | 5 | Thin wall | 0.032 | 50 | No sideholes |
| 001254 | 5 | Thin wall | 0.032 | 80 | No sideholes |
| Pediatric item | | | | | |

Goodale-Lubin™ Catheter Pediatric Woven Coronary Catheters

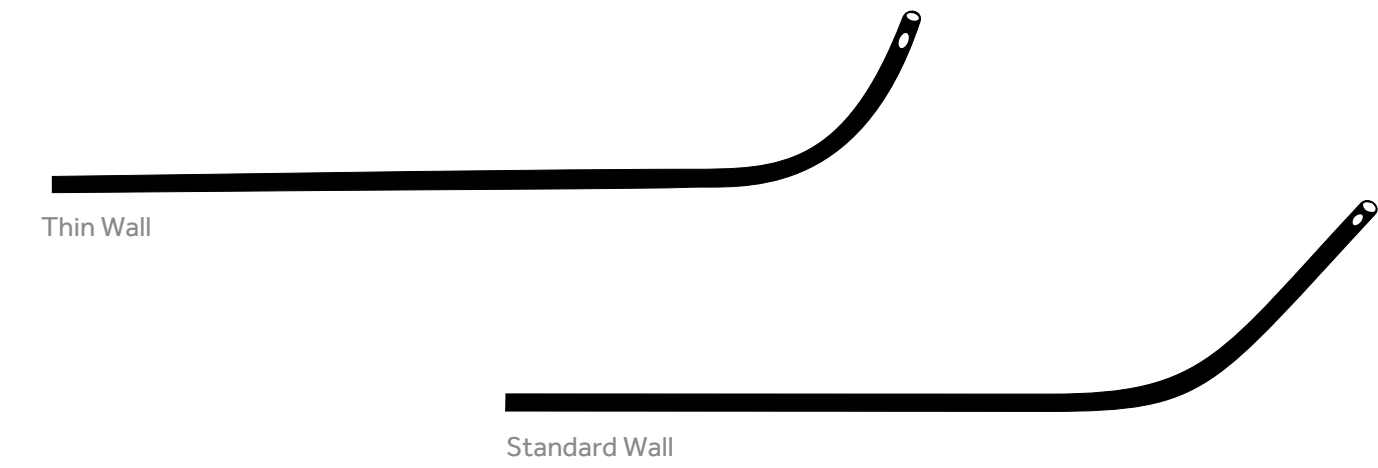
GENERAL CHARACTERISTICS

- Supplied sterile. • Items per box: 10 • Maximum guidewire equals minimum tip I.D. • Open end.
- Two laterally opposed sideholes. • Thin-wall or standard-wall construction.

PRODUCT DESCRIPTION

Walter T. Goodale, MD, and Martin Lubin, MD, developed standard-wall and thin-wall catheters similar to the Cournand™ and Lehman™ catheters in construction and tip curve.

The additional feature of the Goodale-Lubin™ catheter is the two laterally opposed sideholes just proximal to the tip for improved disbursement of contrast during right heart angiography.



GOODALE-LUBIN™ CATHETER

| PRODUCT CODE | FRENCH SIZE | DESIGN STYLE | MINIMUM TIP I.D. (IN.) | SIDEHOLES | LENGTH (CM) |
|----------------|-------------|---------------|------------------------|-----------|-------------|
| 001279 | 5 | Thin wall | 0.032 | 2 | 80 |
| 001453 | 5 | Standard wall | 0.026 | 2 | 50 |
| Pediatric item | | | | | |

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PEDIATRIC PRODUCTS

Gensini™ Percutaneous Catheter Pediatric Woven Coronary Catheters

GENERAL CHARACTERISTICS

- Supplied sterile. • Items per box: 10 • Maximum guidewire equals minimum tip I.D. • Open end.
- Six sideholes. • Thin-wall construction.

PRODUCT DESCRIPTION

Goffredo G. Gensini, MD, is responsible for the first designed catheter with an open end hole. This catheter has a tapered tip that fits securely over a guidewire for percutaneous introduction.

The six sideholes and thin-wall construction provide maximum flow rates. The catheter is used for aortic, ventricular, pulmonary and large-venous contrast studies.



GENSINI™ PERCUTANEOUS CATHETER

| PRODUCT CODE | FRENCH SIZE | DESIGN STYLE | MINIMUM TIP I.D. (IN.) | LENGTH (CM) | COMMENTS |
|----------------|-------------|--------------|------------------------|-------------|------------------------------|
| 001323 | 5 | Thin wall | 0.026 | 100 | Use with 0.025 in. guidewire |
| 001339 | 6 | Thin wall | 0.036 | 80 | Use with 0.035 in. guidewire |
| Pediatric item | | | | | |

NIH Pediatric Woven NIH Catheters

GENERAL CHARACTERISTICS

- Supplied sterile. • Items per box: 10 • Maximum guidewire equals minimum tip I.D. • Nylon core.
- Closed end. • Six sideholes. • Thin-wall construction.

PRODUCT DESCRIPTION

The NIH (National Institutes of Health) catheter is designed with a thin wall and nylon core construction to provide maximum flow rates and catheter stability.

The flexible tip makes positioning in the cardiopulmonary system easier. This catheter is used to visualize the aorta, ventricles, pulmonary vasculature and the great veins.

The flexible tip makes positioning in the cardiopulmonary system easier. This catheter is used to visualize the aorta, ventricle, pulmonary vasculature and the great veins.



NIH

| PRODUCT CODE | FRENCH SIZE | DESIGN STYLE | SIDEHOLES | LENGTH (CM) |
|----------------|-------------|--------------|-----------|-------------|
| 001348 | 5 | Thin wall | 6 | 50 |
| 001353 | 6 | Thin wall | 6 | 80 |
| Pediatric item | | | | |

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PEDIATRIC PRODUCTS

Pediatric NIH Pediatric Woven NIH Catheters

GENERAL CHARACTERISTICS

- Supplied sterile. • Items per box: 10 • Maximum guidewire equals minimum tip I.D. • Nylon core.
- Closed end. • Six sideholes (4F Catheter has four sideholes). • Thin-wall construction.

PRODUCT DESCRIPTION

This thin-walled catheter is designed to provide maximum flow and flexibility. The catheter can be used for aortic, ventricular, pulmonary and large-vein contrast studies.

The flexible tip makes positioning in the cardiopulmonary system easier. This catheter is used to visualize the aorta, ventricle, pulmonary vasculature and the great veins.



PEDIATRIC NIH

| PRODUCT CODE | FRENCH SIZE | DESIGN STYLE | SIDEHOLES | LENGTH (CM) |
|--------------|-------------|--------------|-----------|-------------|
| 001375 † | 4 | Thin wall | 4 | 50 |
| 001377 † | 5 | Thin wall | 6 | 50 |
| 001378 † | 5 | Thin wall | 6 | 80 |
| 001380 † | 6 | Thin wall | 6 | 50 |
| 001381 † | 6 | Thin wall | 6 | 80 |
| 001382 † | 6 | Thin wall | 6 | 100 |

† Pediatric item

GENERAL CHARACTERISTICS

- Supplied sterile. • Items per box: 10 • Maximum guidewire equals minimum tip I.D. • Nylon core.
- Closed end. • Six sideholes. • Thin-wall construction.

PRODUCT DESCRIPTION

This thin-walled catheter is designed to provide maximum flow and flexibility. The catheter can be used for aortic, ventricular, pulmonary and large-vein contrast studies.

The flexible tip makes positioning in the cardiopulmonary system easier. This catheter is used to visualize the aorta, ventricle, pulmonary vasculature and the great veins.



PEDIATRIC CURVED NIH

| PRODUCT CODE | FRENCH SIZE | DESIGN STYLE | LENGTH (CM) |
|--------------|-------------|--------------|-------------|
| 008761 † | 5 | Thin wall | 65 |

† Pediatric item

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PEDIATRIC PRODUCTS

Pediatric NIH with Cardio-Marker Image Bands Pediatric Woven NIH Catheters

GENERAL CHARACTERISTICS

- Supplied sterile. • Items per box: 5 • Maximum guidewire equals minimum tip I.D. • Closed end.
- Six sideholes • Thin-wall construction.

PRODUCT DESCRIPTION

This thin-walled catheter is designed to provide maximum flow and flexibility. The catheter can be used for aortic, ventricular, pulmonary and large-vein contrast studies.

Band width: 1 mm.

Two marker bands 1 cm apart +- 1/2 mm (leading edge to leading edge).



PEDIATRIC NIH WITH CARDIO-MARKER IMAGE BANDS

| PRODUCT CODE | FRENCH SIZE | DESIGN STYLE | SIDEHOLES | LENGTH (CM) |
|--------------|-------------|--------------|-----------|-------------|
| 010010 | 5 | Thin wall | 6 | 65 |
| 010011 | 6 | Thin wall | 6 | 80 |
| 010012 | 7 | Thin wall | 6 | 80 |

Pediatric item

Rashkind™ Recessed Balloon Catheter Pediatric Septostomy Balloon Catheters

GENERAL CHARACTERISTICS

- Supplied sterile. • Items per box: 1

PRODUCT DESCRIPTION

- Woven shaft design
- Shaft length: 50 cm



RASHKIND™ RECESSED BALLOON CATHETER

| PRODUCT CODE | SHAFT SIZE (F) | RECOMMENDED INFLATED BALLOON DIAMETER (MM) | RECOMMENDED INTRODUCER (F) | COMMENTS |
|--------------|----------------|--|----------------------------|--------------|
| 008764 | 6 | 14 | 6 | Single lumen |

Pediatric item

Rashkind™ is a registered trademark of William J. Rashkind, M.D.

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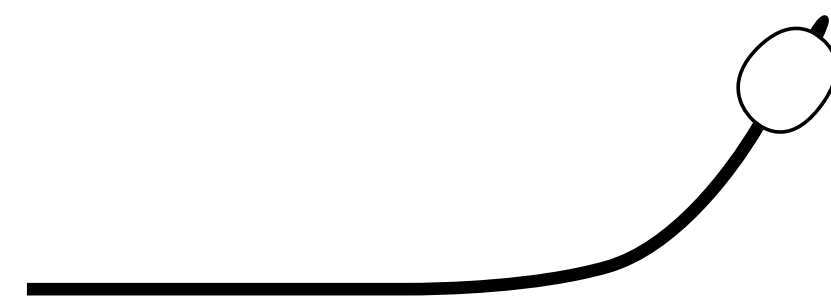
Rashkind™ Balloon Catheter Single Lumen Pediatric Septostomy Balloon Catheters

GENERAL CHARACTERISTICS

• Supplied sterile. • Items per box: 1

PRODUCT DESCRIPTION

• Woven shaft design
• Shaft length: 50 cm



RASHKIND™ BALLOON CATHETER SINGLE LUMEN

| PRODUCT CODE | SHAFT SIZE (F) | RECOMMENDED INFLATED BALLOON DIAMETER (MM) | RECOMMENDED INTRODUCER (F) | COMMENTS |
|--------------|----------------|--|----------------------------|--------------|
| 007161* | 4 | 11 | 7 | Single lumen |
| 007160* | 5 | 12 | 8 | Single lumen |

*Pediatric item
Rashkind™ is a registered trademark of William J. Rashkind, M.D.

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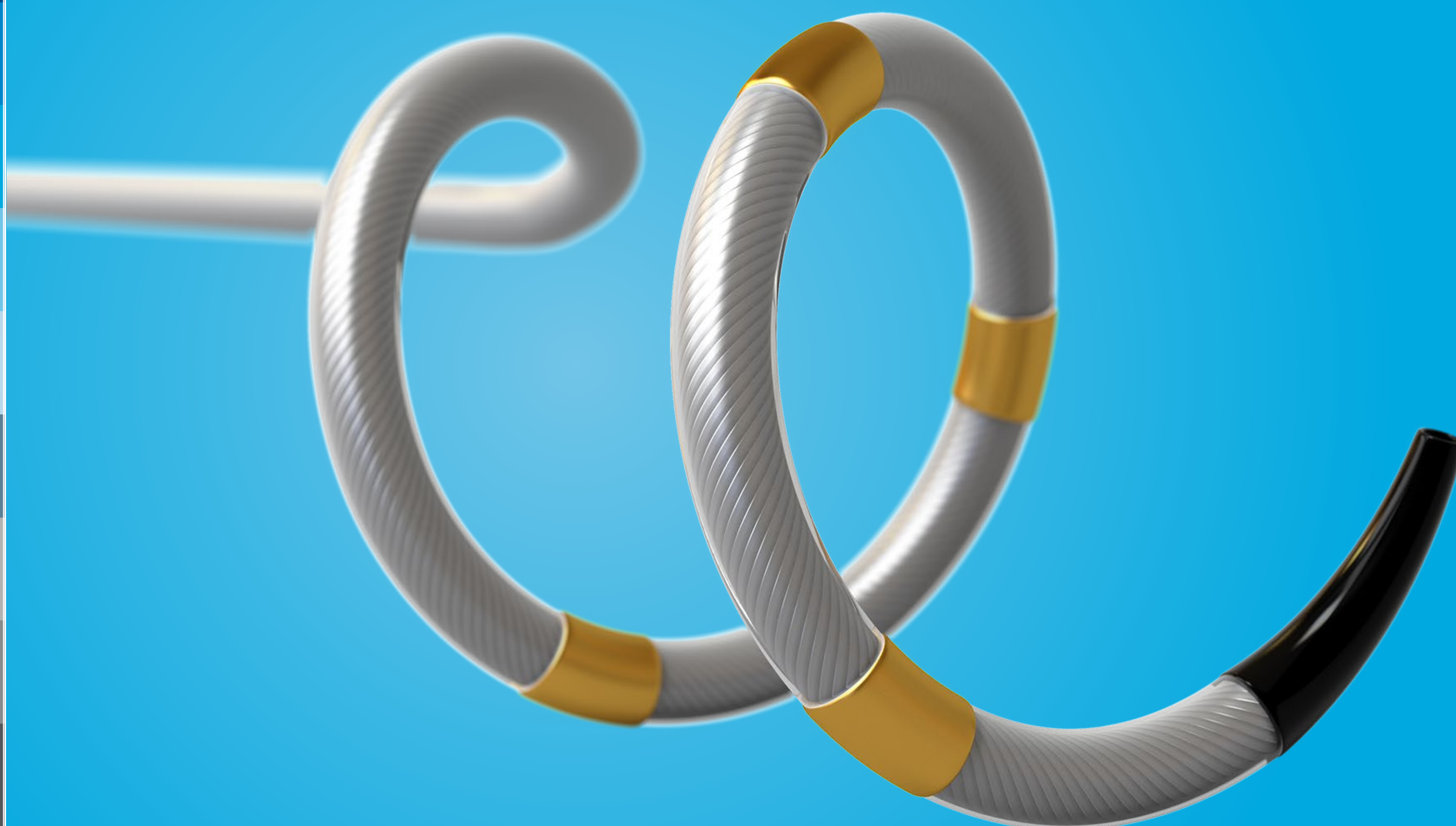
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RENAL DENERVATION CATHETERS



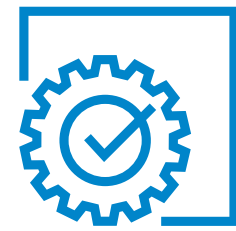


TRANSFORMING HYPERTENSION TREATMENT

Symplcity Spyrals™ Multi-Electrode Renal Denervation Catheter Symplcity G3™ Renal Denervation RF Generator

Many interventionalists have long believed in renal denervation (RDN) and its potential to change hypertension treatment. Clinical evidence now shows their commitment to the therapy was justified.^{1,2}

Backed by an unmatched body of clinical and real-world data, the Medtronic Renal Denervation system is thoughtfully designed to balance safety and efficacy. It demonstrated consistent performance that reduced blood pressure independent of a patient's medication adherence. It is the most tested, used, and researched RDN technology³, and it comes with the support of the world's largest medical technology company.



PROVEN PERFORMANCE

- Lowers blood pressure in a clinically meaningful way^{1,4}
- "Always on" effect works 24 hours a day¹
- Consistent, repeatable, four-quadrant ablation⁵
- Energy monitoring helps control energy delivery³



UNPARALLELED DATA

- Supported by a comprehensive and unparalleled clinical program, including a real-world registry and two randomised, sham-controlled trials that demonstrated safety and efficacy^{1,4}
- More published findings and patient-years of follow-up than any other RDN technology³
- Unique global registry tracking long-term outcomes for up to 3,000 patients²



POWERFUL PARTNERSHIP

- Help the 35% of people who prefer interventions to medications^{6,7}
- Align with an industry leader that has a proven legacy of success
- Access best-in-class training and case support



The Symplcity Spyrals™ catheter positions electrodes to generate 360 degrees of ablation; and can treat the distal branches to maximize the probability of complete denervation.

- Reaches the main artery, branches and accessory vessels within a broad diameter range (3–8mm) to treat a wide range of patients^{4,5,8}
- Treats distal branches where nerves are close to the artery lumen⁹
- Features a helical (spiral) electrode pattern that ablates all four quadrants simultaneously
- Compatible with 6F guide catheters



The Symplcity G3™ generator works in tandem with the Symplcity Spyrals™ catheter to deliver controlled radio frequency (RF) energy during renal denervation.

- Delivers precisely controlled RF energy according to a programmed algorithm³
- Allows electrode selection for treatment delivery³
- Assesses temperature and impedance feedback independently for each electrode; the algorithm responds to ensure therapy is applied appropriately³

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TRANSFORMING HYPERTENSION TREATMENT

Symplcity Spyrals™ Multi-Electrode Renal Denervation Catheter Symplcity G3™ Renal Denervation RF Generator

COMPONENTS

- Symplcity Spyrals™ multi-electrode renal denervation catheter: single-use RDN catheter for use only with the Symplcity G3™ generator with remote control and DVI-D output
- Symplcity G3™ renal denervation RF generator: reusable RF generator for use with the Symplcity Spyrals™ catheter
- Mobile cart: used with the Symplcity G3™ generator
- Foot switch: alternative way to operate generator
- Power cable: supplies power to generator unit

ORDERING INFORMATION

| CATALOGUE NUMBER | |
|------------------|---|
| RDN016 | Symplcity Spyrals™ catheter |
| RDN017 | Symplcity G3™ generator (supplied standard with remote control) |
| RDN019 | Cart for Symplcity G3™ generator |
| RDN012 | Foot switch |
| PRT075-XX | Power cable (country specific) (Contact Medtronic representative for catalogue number) |
| THNDR190S | Thunder™ guidewire |
| SB6RDND1K | Sherpa NX™ Balanced 6F 55-cm guide catheter with RDND1 curve |
| LA6IMAK | Launcher™ 6F 55-cm guide catheter with IMA curve |
| SB6IMAK | Sherpa NX™ Balanced 6F 55-cm guide catheter with IMA curve |

Symplcity Spyrals™ Catheter components



- Catheter: 6 F guide catheter-compatible
- Electrodes: 4 RF monopolar, gold, radio-opaque, 1.5 mm length
- Thermocouple: T-type
- Tip marker: platinum/iridium alloy
- Handle: injection moulded
- Integrated extension cable for connection with the Symplcity G3™ renal denervation RF generator
Power cable: supplies power to generator unit

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