

ev3 IS NOW
PART OF  COVIDIEN

Peripheral Vascular
U.S. Product Catalog

2012

Our Mission

ev3 Peripheral Vascular, now part of Covidien, develops, manufactures and commercializes innovative and breakthrough technologies and solutions for the treatment of lower extremity peripheral vascular diseases. Through **talented and motivated employees**, a commitment to **rapid innovation**, a global perspective and a personal touch, we work in close collaboration to delight our customers by delivering **high quality products and services**. We support and develop highly motivated, passionate, and accountable employees creating meaningful careers in a high performance environment. We adhere to quality performance principles and practices in all that we do. We do this to generate profits and returns for our shareholders that exceed comparable investments allowing us to strive everyday to help endovascular and neurovascular specialists **improve patients' lives** around the world.

Who We Are...

Covidien is a global leader and best-in-class technology provider for specialists treating a wide range of vascular diseases and disorders. Covidien is committed to the peripheral vascular market and offers a comprehensive portfolio of treatment options, including the primary interventional technologies used today - plaque excision systems, PTA balloons, stents, embolic protection, thrombectomy, and procedural support. With a legacy in technology development and innovation, Covidien is helping endovascular specialists around the world perform more efficiently, effectively and predictably.

“ ... to strive everyday to help endovascular and neurovascular specialists **improve patients' lives around the world.** ”

Ordering Information

To Order:

Covidien
Peripheral Vascular
3033 Campus Drive, N550
Plymouth MN, 55441
USA

Customer Service:

800.716.6700

Fax:

763.398.7001

Hours:

7:00 A.M. - 7:00 P.M. CST

Terms and Conditions

All sales are subject to Covidien Standard Terms and Conditions of Sale. See Terms and Conditions on the following page.

Damaged Goods

Merchandise should be inspected upon delivery and refused at your receiving department if damaged. Notify Covidien Customer Service promptly of receipt of damaged merchandise.

Product Catalog Updates

For the latest updates to the peripheral vascular product catalog contact your peripheral vascular sales representative or Covidien Customer Service.

Returned Goods

Returned goods will be accepted only with prior authorization by Covidien Customer Service, who will issue a Return Goods Authorization (RGA) number. Contact Customer Service or see Terms and Conditions on the following page for instructions and returned goods policies and procedures.

Covidien Terms and Conditions of Sale

1. Agreement.

1.01. Definitions. "Company" means Covidien "Purchaser" means any buyer of Company's products. "These terms" means Covidien Terms and Conditions of Sale. "This Agreement" means these Terms, together with any agreement signed by Purchaser and a duly authorized representative of Company. "Products" means any of Company's products sold pursuant to this Agreement.

1.02. Binding Effect. These Terms are applicable to any order, agreement, understanding, or other proposition relating to the sale of the Products. Company and Purchaser agree that these Terms shall govern all sales and purchases of Company's Products, notwithstanding any term, condition, or other provision (including any prior or subsequent understanding, agreement, or trade custom) that is different from or in addition to these Terms, whether in a purchase order, receipt, acceptance, confirmation, correspondence, or otherwise, unless the parties specifically agree otherwise in a writing signed by both parties.

2. Orders, Acceptance, and Delivery.

2.01. Orders. All orders, whether solicited by Company or sent orally or in writing by Purchaser, are deemed offers by Purchaser to purchase Products.

2.02. Acceptance. Company reserves the right to accept or reject each such offer. Company's acceptance of each such offer can be in writing, by electronic record delivered to Purchaser, or by Product delivery. Company may ship less than all Products ordered, which shipment shall constitute acceptance of the order only as to those Products shipped.

2.03. Delivery. Company will make commercially reasonable efforts to meet any delivery dates scheduled or acknowledged, but will not be liable for any failure to meet such dates. Company will deliver all Products F.C.A. (Incoterms 2000), unless the parties specifically agree otherwise in a writing signed by both parties. The remaining provisions of this Paragraph 2.03 shall not apply to consignment products, if any, which shall be the subject of a separate agreement signed by both parties. Delivery shall be deemed to occur when the Products are placed at Purchaser's disposal at Company's place of business or such other shipping point as Company may reasonably select. All title, risk of loss, and risk of damage shall pass to Purchaser at delivery. Purchaser is responsible for selecting and paying any carrier; provided, however, if Company explicitly agrees to pay any carrier, Purchaser shall promptly reimburse Company for all costs related to such shipment, including, but not limited to, all shipping charges, freight insurance premiums, inspection fees, assessments, other costs and Company's reasonable shipping and handling charges.

3. Product or Order Changes.

3.01. Product Changes. Company may, without notice, make changes in design, additions to, or improvements in Products without liability or obligation to install such change, addition, or improvement in any Product previously manufactured. Company may discontinue or withdraw any Product without notice. Company may revise or modify Product information without notice. Specifications, weights, dimensions, and descriptions are actual or careful estimates but are not guaranteed and are subject to change without notice. Company reserves the right to furnish materially equivalent substitutes for any Product or Product component.

3.02. Order Changes. Any item additions, quantity changes, or specification changes made to accepted orders will generate a new acknowledgment for the entire order and a new scheduled delivery date. If Purchaser requests that Company hold delivery of Products previously ordered, Company may require payment for such Products based upon the original anticipated delivery date.

4. Prices and Payment.

4.01. Prices. Unless the parties specifically agree otherwise in a writing signed by both parties, the purchase prices for the Products shall be as specified in Company's then-current standard price list in effect on the delivery date and all prices are subject to change without notice.

4.02. Taxes. The prices payable under Paragraph 4.01 do not include sales, goods and services, value-added, or other taxes. Except where the law provides otherwise, Purchaser shall be responsible for, and shall pay or reimburse Company for, all such taxes, duties, assessments, and other governmental charges, however designated, on account of the sale of any Product delivered hereunder. If applicable, Purchaser shall provide to Company a tax exemption certificate acceptable to Company and to the applicable taxing authorities. Any duties and costs incurred importing or exporting Products into any countries shall be the sole responsibility of Purchaser.

4.03. Payment. Purchaser shall accept and pay for all Products in full within thirty (30) days from the date of invoice unless the parties specifically agree otherwise in a writing signed by both parties (the "Due Date"). All amounts payable under this Agreement are denominated in United States dollars, all references to \$ shall mean United States dollars, and Purchaser shall pay all amounts due in lawful money of the United States, unless the parties specifically agree otherwise in a writing signed by both parties.

4.04. Late Payments. If Purchaser fails to pay invoices in full on or before the Due Date, Company shall have the right to assess interest on unpaid balances at the lesser of 1.5% per month or the maximum rate permitted by law, for each month or fraction thereof, until paid in full. In addition, Purchaser agrees to pay Company's reasonable attorney's fees and other costs incurred in collection of any amounts not paid on or before the Due Date, regardless of whether litigation or other proceedings have been commenced.

4.05. Disputed Charges. If Purchaser objects to or otherwise disputes any charges set forth in an invoice, Purchaser must provide to Company a documented claim regarding the disputed amount within thirty (30) days of the invoice date. Any invoice to which Purchaser has not objected within such 30-day period shall be deemed irrevocably accepted and all claims by Purchaser regarding disputed charges not submitted within such 30-day period are deemed waived. Upon receipt of any objection, Company will promptly investigate such objection and notify Purchaser of the results of its investigation. Payment of any amounts that Company determines to be owed as a result of its investigation shall be made within fifteen (15) days after notice to Purchaser. Purchaser is required to pay all invoices to which no objection has been made regardless of the existence of disputes relating to other invoices, and Purchaser is not entitled to make setoffs with respect to amounts owed to Company.

4.06. Purchaser's Financial Condition. If Company determines that Purchaser's financial condition or any other circumstances cause Company to be insecure with respect to Purchaser's performance of any obligation under this Agreement or if Purchaser fails to comply with any terms of this Agreement, Company may, without liability, accelerate and demand immediate payment of any amounts owed Company, suspend performance, or cancel any accepted order, including any remaining installments of multiple installment orders.

5. Inspection; Return of Products

5.01. Inspection by Purchaser. Purchaser shall inspect each shipment of Products promptly upon arrival and promptly notify Company in writing of any shortages, erroneous shipments, or other failure to conform to the specifications of this Agreement that is reasonably discoverable upon arrival. In any event, Purchaser shall notify Company, within ninety (90) days from the receipt of any Products, of any hidden defect pertaining to the Products or other failure to conform to the specifications of this Agreement. Purchaser's failure to provide notice within such time period and/or Purchaser's failure to allow Company a reasonable opportunity to inspect such Products to verify any alleged nonconformity shall constitute an irrevocable acceptance of the Products and a waiver of any claims relating to any such nonconformity.

5.02. Return Authorization. Written authorization is required prior to returning any Product. Purchaser may request return authorization by contacting Company's Customer Service Department. Request for return authorization must include: (1) reason for return; (2) Product number, quantity, and lot number; and (3) purchase order number, Company order number, and date of invoice. Authorization to return and credit for returns will be granted in Company's sole discretion. Company will not issue credit for the following returns: (1) Products ordered on "Special Order" or "Custom Order" basis; (2) Products for which Purchaser failed to notify Company within ninety (90) days from the receipt of any Products; (3) Products in unusable condition, including, but not limited to, expired Products; (4) Products not listed in Company's then-current catalog or then-current price list; (5) Products not properly packed for shipping when returned; (6) incomplete kits or boxes; and (7) Products returned without written authorization. All returned cartons must be clearly marked with the Return Goods Authorization Number on the outside of the carton. Company reserves the right to refuse returns not properly labeled with the Return Goods Authorization Number on the outside of the carton.

5.03. Credit for Returns. If Company grants return authorization as described above, credit will be issued as follows: Products authorized for return will receive full credit; provided, however, that any Product that has been defaced in any way will receive full credit less the greater of a 10% processing charge or the cost to Company to return the Product to usable condition. Values for determining credit amounts will be the prices that were in effect as of the date of invoice. Purchaser is responsible for the transportation costs of any returned Products. All Products replaced by Company shall become Company's property.

Covidien Terms and Conditions of Sale

6. Limited Warranties and Liability.

6.01. Limited Warranty to Purchaser. Company warrants to Purchaser that, for the earlier of one (1) year or until the Product is used by Purchaser, the Products will be free from defects in materials and workmanship when stored and used in accordance with the instructions for storage and use provided by Company and in accordance with applicable regulatory requirements. Descriptions or specifications appearing in Company's literature are meant to generally describe the Products and do not constitute any express warranties. In the event that Company gives technical advice with respect to the Products, it is agreed that such advice is given without any liability on Company's part. Company does not warrant conformity of Products with any samples provided. Any guarantee of specific properties of or in the Products shall only be effective if and to the extent specifically confirmed by Company in writing. These warranties shall not apply for Product failure or deficiency due to improper storage, alteration, or the consequences of uses for which the Product was not designed or that adversely affect its integrity, reliability, or performance.

6.02. Disclaimer and Release. THE WARRANTIES, OBLIGATIONS, AND LIABILITIES OF COMPANY AS SET FORTH IN THIS SECTION 6 ARE EXCLUSIVE AND IN SUBSTITUTION FOR, AND PURCHASER HEREBY WAIVES, ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, ARISING BY LAW OR OTHERWISE, WITH RESPECT TO THE PRODUCTS AND ANY OTHER GOODS OR SERVICES DELIVERED UNDER THIS AGREEMENT, INCLUDING, BUT NOT LIMITED TO: (1) ALL OTHER EXPRESS AND IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND (2) ANY IMPLIED WARRANTY ARISING FROM COURSE OF PERFORMANCE, COURSE OF DEALING, OR USAGE OF TRADE.

6.03. Implied Warranties. This Agreement may be subject to laws in the territories applicable to the sale of the Products by Company to Purchaser (the "Territory"), which impose implied warranties, conditions, or obligations that cannot be excluded, restricted, or modified (or can be excluded, restricted, or modified only to a limited extent). To the greatest extent allowed by such laws, the provisions of Paragraphs 6.02 and 6.04 shall apply.

6.04. Limitation of Liability. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, (1) COMPANY'S LIABILITY UNDER THIS WARRANTY SHALL BE LIMITED TO: (1) THE REPLACEMENT OF THE PRODUCTS OR THE RE-SUPPLY OF EQUIVALENT PRODUCTS; (2) THE REPAIR OF THE PRODUCTS; (3) PAYMENT OF THE COST OF REPLACING THE PRODUCTS OR ACQUIRING EQUIVALENT PRODUCTS; OR (4) PAYMENT OF THE COST OF REPAIRING THE PRODUCTS. COMPANY SHALL HAVE NO OBLIGATION OR LIABILITY, WHETHER ARISING IN CONTRACT (INCLUDING WARRANTY), TORT (INCLUDING ACTIVE, PASSIVE, OR IMPUTED NEGLIGENCE, STRICT LIABILITY, OR PRODUCT LIABILITY) OR OTHERWISE, FOR ANY SPECIAL, CONSEQUENTIAL, PUNITIVE, INCIDENTAL, OR INDIRECT DAMAGES, OR FOR LOSS OF USE, LOSS OF REVENUE, LOSS OF BUSINESS, LOST PROFIT, OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH ANY PRODUCT OR OTHER GOODS OR SERVICES FURNISHED UNDER THIS AGREEMENT, REGARDLESS OF WHETHER OR NOT COMPANY WAS AWARE OF THE POSSIBILITY OF THE SAME.

7. Compliance with Laws.

7.01. Export Controls. Purchaser shall comply strictly with all export control laws, including without limitation, the U.S. Export Administration Regulations (collectively, "Export Controls"), cooperate fully with Company in any official or unofficial audit or inspection that relates to the Export Controls, and not export, re-export, divert, or transfer, directly or indirectly, any Product or direct product thereof to any country that is embargoed by the Export Controls or an Executive Order, unless Purchaser has first obtained written authorization from Company and the relevant U.S. export control authorities. Purchaser also shall comply with all applicable export and import control laws and regulations of any Territory in which such Products are used. Company shall not be liable for any delays in shipping, or inability to ship, Products resulting from or relating to any import or export laws. **7.02. Compliance with Laws.** Purchaser shall be solely responsible for ensuring compliance with any Territory's laws, regulations, or ordinances relating to the use or operation of the Products.

8. Reporting, Recordkeeping, and Recall.

8.01. Reporting and Recordkeeping. Company and Purchaser agree to provide to each other, upon request, any information reasonably necessary for the other to comply with any applicable governmental reporting or recordkeeping requirements, including, but not limited to, the United States Food and Drug Administration's Medical Device Reporting Regulations and all similar laws or regulations insofar as they are applicable where the Products are used. When requesting such information, the requesting party shall inform the other what information is required for these purposes, and, promptly after being made aware of any such required information, the recipient of the request shall supply the other with responsive information necessary to enable the requesting party to comply with such requirements. Purchaser also agrees to provide to Company any and all information that may be required by law or regulation regarding whether any Product(s) may have caused or contributed to the death or serious injury of an individual or has malfunctioned, and whether the Product(s) would

be likely to cause or contribute to death or serious injury of another if the malfunction were to recur.

8.02. Recalls. In the event of a recall, Purchaser shall cooperate with Company in conducting such recall.

9. Miscellaneous.

9.01. Notices. All notices required or permitted by this Agreement shall be in writing and shall be delivered to the other party: (i) in person; (ii) by certified or registered mail, return receipt requested, postage prepaid; or (iii) by a reputable international courier with tracking capabilities, postage prepaid. Such notices shall be delivered to the addresses set forth by each party in this Agreement or to such other address as either party may designate in writing pursuant to this Paragraph 9.01. All notices shall be deemed effective upon sending in accordance with this paragraph.

9.02. Proprietary Information and Intellectual Property. The information and material contained in this Agreement is proprietary and is submitted in confidence and with the condition that it will not be copied or otherwise reproduced and will not be used or disclosed to anyone outside Purchaser's company, except as authorized in writing by Company. Neither this Agreement nor the sale of any Product hereunder grants, assigns, or transfers to Purchaser any ownership interest in or rights to any of Company's intellectual property or proprietary rights. The ev3name and Company's trademarked Product names are trademarks owned by Company, and may not be used without Company's prior written consent.

9.03. Excused Performance. Neither party will be responsible for or be considered to be in breach of or default under this Agreement on account of any cause beyond such party's reasonable control or not occasioned by such party's fault or negligence, including but not limited to, acts of God, war, terrorism, sabotage, civil commotion, governmental action, fire, storm, flood, unusually severe weather, casualty, explosion, strike, walkout, other industrial disturbance, inability to procure materials, components, or transportation from usual sources, unforeseen operating or shipping difficulties, or any other cause beyond the party's control.

9.04. No Waiver. No failure or delay by any party hereto in exercising any right, power or privilege hereunder will operate as a waiver thereof, nor will any single or partial exercise thereof preclude any other or further exercise thereof or the exercise of any right, power or privilege hereunder.

9.05. Assignment. Purchaser may not assign or delegate its rights or obligations under this Agreement without written consent of Company.

9.06. Amendments. No amendment, modification, or waiver of this Agreement will be valid unless set forth in a written instrument signed by both parties.

9.07. Severability. In the event any one or more of the provisions contained in this Agreement is deemed illegal or unenforceable, such provision (a) shall be construed in a manner to enable it to be enforced to the extent permitted by applicable law, and (b) shall not affect the validity and enforceability of any legal and enforceable provision of this Agreement.

9.08. Governing Law. This Agreement shall be governed by the laws of the State of Minnesota without regard to conflict of law rules. Each of the parties hereto hereby irrevocably and unconditionally consents to submit to the exclusive jurisdiction and venue of the federal and state courts within the State of Minnesota and each party hereby consents to personal jurisdiction in such forum, for any actions, suits or proceedings arising out of or relating to this Agreement (and agrees not to commence any action, suit or proceeding relating thereto except in such courts). Notwithstanding the foregoing, nothing in this Agreement will prevent Company from filing any action to recover amounts owed to Company by Purchaser in any court having jurisdiction over Purchaser.

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TurboHawk Peripheral Plaque Excision System is Covidien's newest atherectomy platform for maximizing lumen gain in all lesion morphologies including calcium—from hip to heel. TurboHawk is a stand alone, frontline therapy for the treatment of peripheral arterial disease (PAD). No adjunctive therapy is required. Because there is no capital equipment needed to operate TurboHawk, there is no set-up time required.

TurboHawk

Peripheral Plaque Excision System

Product Name	Product Catalog Number	Vessel Diameter (mm)	Sheath Compatibility (F)	Crossing Profile (in)	Working Length ¹ (cm)	Effective Length ² (cm)	Tip Length (cm)	Max Cut Length (cm)	Packing Device	MEC™ Tech
LS-C (SUPER) Large Vessel Standard Calcium Tip	THS-LS-C	3.5-7.0	8	0.105 (2.7 mm)	110	104	6.0	50	•	•
LX-C (SUPER) Large Vessel Xtended Calcium Tip	THS-LX-C	3.5-7.0	8	0.105 (2.7 mm)	113	104	9.0	75	•	•
LS-M Medium Vessel Standard Tip	TH-LS-M	3.5-7.0	8	0.105 (2.7 mm)	110	104	6.0	50	•	•
LX-M Large Vessel Xtended Tip	TH-LX-M	3.5-7.0	8	0.105 (2.7 mm)	113	104	9.0	75	•	•
SX-C Small Vessel Xtended Calcium Tip	THS-SX-C	2.0-4.0	6	0.085 (2.2 mm)	135	129	5.9	40	•	•
SS-C Small Vessel Standard Calcium Tip	THS-SS-C	2.0-4.0	6	0.085 (2.2 mm)	133	129	3.9	20		•
SS-CL Small Vessel Standard Calcium Tip Long Catheter	THS-SS-CL	2.0-4.0	6	0.085 (2.2 mm)	149	145	3.9	20		•

Each system includes one stent and delivery catheter system.

*Cutter Driver (FG02550) is included with each TurboHawk.

Max guidewire is 0.014" for all TurboHawk devices.

¹ Working Length - distal end of strain relief to the distal end of tip.

² Effective Length - distal end of strain relief to the proximal end of cutter window.

Specifications Nominal.

Indications, contraindications, warnings, and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) Law restricts this device to sale by or on the order of a physician.

Product availability and / or specifications subject to change.

SilverHawk Plaque Excision System maximizes lumen gain, removes plaque and preserves future treatment options. SilverHawk is a stand alone, frontline therapy for the treatment of peripheral arterial disease (PAD). Because there is no capital equipment needed to operate SilverHawk, there is no set-up time required.

SilverHawk

Peripheral Plaque Excision System

Product Name	Product Catalog Number	Crossing Profile (in)	Vessel Diameter (mm)	Tip Length (cm)	Sheath Compatibility ¹ (F)
LS-M Large Vessel Standard Tip with MEC™	P4052	0.105 (2.7 mm)	4.5-7.0	6.0	7/8
LX-M Large Vessel Xtended Tip with MEC™	P4055	0.105 (2.7 mm)	4.5-6.5	9.0	7/8
MS-M Medium Vessel Standard Tip with MEC™	P4056	0.105 (2.7 mm)	3.5-5.0	6.0	7/8
SXL Small Vessel Xtra Long Tip	P4033	0.095 (2.4 mm)	3.0-3.5	7.2	7
SS+ Small Vessel Standard Tip	P4030	0.090 (2.3 mm)	3.0-3.5	2.6	7
EXL Extra Small Vessel Xtra Long Tip	P4044	0.080 (2.0mm)	2.0-3.0	6.0	6
ES+ Extra Small Vessel Standard Tip	P4034	0.075 (1.9 mm)	2.0-2.5	2.2	6
DS Distal Vessel Standard Tip	P4028	0.073 (1.9 mm)	1.5-2.0	2.6	6

Each system includes one stent and delivery catheter system.

*Cutter Driver (FG02550) is included with each SilverHawk.

¹ Sheath Compatibility - Per the Instructions For Use, the medium vessel and large vessel devices are compatible with 8 F sheaths. A physician survey of device usage indicated 7 F sheaths may have an Internal Diameter (ID) that will accommodate the crossing profile of the LX-M, LS-M, and MS-M (non-flush tip) devices. Data on file with manufacturer.

Specifications Nominal.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts this device to sale by or on the order of a physician. The SilverHawk Peripheral Plaque Excision System is intended for use in atherectomy of the peripheral vasculature. The catheter is not intended for use in the coronary, carotid, iliac or renal vasculature.

Product availability and / or specifications subject to change.

SpiderFX Embolic Protection Device is used to capture and remove debris that becomes dislodged during an interventional procedure. SpiderFX is the only embolic protection device that can be delivered over any 0.014" or 0.018" guidewire, or through any 0.035" catheter* for ease of lesion crossing. SpiderFX has the broadest indication among distal embolic filters. It is indicated for use in carotid arteries, coronary saphenous vein bypass grafts and lower extremity procedures.

*Lower Extremity Procedures.

SpiderFX

Embolic Protection Device

Product Catalog Number (1/Box)	Filter Size (mm)	Target Vessel Size (mm)	Capture Wire		Delivery End	Recovery End	Guide Catheter/ Sheath
			Wire Length OTW/RX (cm)	Wire Diameter (in/mm)	Crossing Profile (F)	Diameter (F)	Minimum ID (in)
SPD2-US-030-190	3.0	3.0 SVG & Carotid	190	0.014/0.36	3.2	4.2	0.066
SPD2-US-030-320	3.0	3.0 SVG & Carotid	320/190	0.014/0.36	3.2	4.2	0.066
SPD2-US-040-190	4.0	3.1-4.0 SVG & Carotid	190	0.014/0.36	3.2	4.2	0.066
SPD2-US-040-320	4.0	3.1-4.0 SVG & Carotid	320/190	0.014/0.36	3.2	4.2	0.066
SPD2-US-050-190	5.0	4.1-5.0 SVG & Carotid 3.0-4.0 Lower Extremity	190	0.014/0.36	3.2	4.2	0.066
SPD2-US-050-320	5.0	4.1-5.0 SVG & Carotid 3.0-4.0 Lower Extremity	320/190	0.014/0.36	3.2	4.2	0.066
SPD2-US-060-190	6.0	4.5-6.0 SVG & Carotid 3.5-5.0 Lower Extremity	190	0.014/0.36	3.2	4.2	0.066
SPD2-US-060-320	6.0	4.5-6.0 SVG & Carotid 3.5-5.0 Lower Extremity	320/190	0.014/0.36	3.2	4.2	0.066
SPD2-US-070-190	7.0	5.5-6.0 SVG 5.5-7.0 Carotid 4.5-6.0 Lower Extremity	190	0.014/0.36	3.2	4.2	0.066
SPD2-US-070-320	7.0	5.5-6.0 SVG 5.5-7.0 Carotid 4.5-6.0 Lower Extremity	320/190	0.014/0.36	3.2	4.2	0.066

Sold in single units.

Specifications Nominal.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts these devices to sale by or on the order of a physician. **CAROTID INDICATION:** SpiderFX Embolic Protection Device is indicated for use as a guidewire and embolic protection system to contain and remove embolic material (thrombus/debris) while performing angioplasty and stenting procedures in carotid arteries. The diameter of the artery at the site of filter basket placement should be between 3.0 mm and 7.0 mm. **SVG INDICATION:** SpiderFX Embolic Protection Device is indicated for use as an embolic protection system to contain and remove embolic material (thrombus/debris). The device also acts as the guidewire while performing percutaneous transluminal coronary angioplasty or stenting procedures in coronary saphenous vein bypass grafts with reference vessel diameters of 3.0 mm to 6.0 mm. **LOWER EXTREMITY INDICATION:** SpiderFX Embolic Protection Device is indicated for use in conjunction with the TurboHawk™ Peripheral Plaque Excision System, either during standalone plaque excision procedures or together with PTA and/or stenting in the treatment of severely calcified lesions in arteries of the lower extremities. The vessel diameter at the filter basket placement site should be between 3.0 mm and 6.0 mm.

The safety and effectiveness of this device as an embolic protection system has not been established in the cerebral vasculature.

Product availability and / or specifications subject to change.

EverFlex Self-Expanding Peripheral Stent System is now indicated for placement in the superficial femoral artery (SFA) and/or proximal popliteal arteries. Regardless of lesion length, the EverFlex stents offer a range of options (up to 200 mm) for patients with peripheral arterial disease. The broad size matrix, all deliverable through a 6 F catheter, provides the most appropriate single-stent fit. The EverFlex stent has a spiral-cell connection and peak-to-peak connection nodes to disperse force uniformly and a three-wave peak design that resists compression and provides excellent wall apposition.

EverFlex

Self-Expanding Peripheral Stent System

CATHETER LENGTH		STENT SIZE		COMPATIBILITY		
80 cm Product Catalog Number	120 cm Product Catalog Number	Diameter (mm)	Length (mm)	Recommended Introducer Sheath (F)	Guidewire (in)	Recommended Lumen Size (mm)
PRB35-06-020-080	PRB35-06-020-120	6	20	6	0.035	4.5-5.5
PRB35-06-030-080	PRB35-06-030-120	6	30	6	0.035	4.5-5.5
PRB35-06-040-080	PRB35-06-040-120	6	40	6	0.035	4.5-5.5
PRB35-06-060-080	PRB35-06-060-120	6	60	6	0.035	4.5-5.5
PRB35-06-080-080	PRB35-06-080-120	6	80	6	0.035	4.5-5.5
PRB35-06-100-080	PRB35-06-100-120	6	100	6	0.035	4.5-5.5
PRB35-06-120-080	PRB35-06-120-120	6	120	6	0.035	4.5-5.5
PRB35-06-150-080	PRB35-06-150-120	6	150	6	0.035	4.5-5.5
N/A	PRB35-06-200-120	6	200	6	0.035	4.5-5.5
PRB35-07-020-080	PRB35-07-020-120	7	20	6	0.035	5.5-6.5
PRB35-07-030-080	PRB35-07-030-120	7	30	6	0.035	5.5-6.5
PRB35-07-040-080	PRB35-07-040-120	7	40	6	0.035	5.5-6.5
PRB35-07-060-080	PRB35-07-060-120	7	60	6	0.035	5.5-6.5
PRB35-07-080-080	PRB35-07-080-120	7	80	6	0.035	5.5-6.5
PRB35-07-100-080	PRB35-07-100-120	7	100	6	0.035	5.5-6.5
PRB35-07-120-080	PRB35-07-120-120	7	120	6	0.035	5.5-6.5
PRB35-07-150-080	PRB35-07-150-120	7	150	6	0.035	5.5-6.5
N/A	PRB35-07-200-120	7	200	6	0.035	5.5-6.5
PRB35-08-020-080	PRB35-08-020-120	8	20	6	0.035	6.5-7.5
PRB35-08-030-080	PRB35-08-030-120	8	30	6	0.035	6.5-7.5
PRB35-08-040-080	PRB35-08-040-120	8	40	6	0.035	6.5-7.5
PRB35-08-060-080	PRB35-08-060-120	8	60	6	0.035	6.5-7.5
PRB35-08-080-080	PRB35-08-080-120	8	80	6	0.035	6.5-7.5
PRB35-08-100-080	PRB35-08-100-120	8	100	6	0.035	6.5-7.5
PRB35-08-120-080	PRB35-08-120-120	8	120	6	0.035	6.5-7.5
PRB35-08-150-080	PRB35-08-150-120	8	150	6	0.035	6.5-7.5
N/A	PRB35-08-200-120	8	200	6	0.035	6.5-7.5

Each system includes one stent and delivery catheter system.

Specifications Nominal.

Indication: The EverFlex™ Self-Expanding Peripheral Stent System is intended to improve luminal diameter in the treatment of symptomatic de-novo or restenotic lesions up to 180 mm in length in the native Superficial Femoral Artery (SFA) and/or proximal popliteal arteries with reference vessel diameters ranging from 4.5 – 7.5 mm.

Contraindications: Use of the EverFlex™ Self-Expanding Peripheral Stent System is contraindicated in patients with known hypersensitivity to nickel titanium; patients contraindicated for anticoagulant and/or antiplatelet therapy; patients who have a lesion that prevents complete inflation of an angioplasty balloon or proper placement of the stent or stent delivery system. **Potential Adverse Events:** Potential adverse events which may be associated with the use of a stent in the SFA and proximal popliteal arteries include, but are not limited to: Allergic reaction, Amputation, Arterial dissection/perforation, Bleeding disorders (including GI, lymphatic), Infection (local or systemic including bacteremia or septicemia), Pseudoaneurysm, Restenosis, Stent/Vessel Thrombosis, Surgical or endovascular intervention.

See the Instructions for Use provided with the product for a complete list of warnings, precaution, adverse events and device information.

CAUTION: Federal (USA) law restricts these devices to sale by or on the order of a physician.

Product availability and / or specifications subject to change.

Protégé RX Self-Expanding Carotid Stent System is designed for Carotid Artery Stenting. The nitinol stent comes pre-mounted on a 6 F, 0.014" rapid exchange delivery system. The proximal and distal ends of the stent have tantalum radiopaque markers for enhanced visibility. Upon deployment, the stent achieves its predetermined diameter and exerts a constant, gentle outward force to establish patency of the vessel.

Protégé RX

Self-Expanding Carotid Stent System

Product Catalog Number (1/Box)	Unconstrained Stent Diameter (mm)	Unconstrained Stent Length (mm)	Rec. Lumen Size (mm)	Usable Catheter Length (cm)	Sheath Size (F)	Guidewire Acceptance (in)
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Straight

SECX-6-20-135	6	20	4.5-5.5	135	6	0.014
SECX-6-30-135	6	30	4.5-5.5	135	6	0.014
SECX-6-40-135	6	40	4.5-5.5	135	6	0.014
SECX-6-60-135	6	60	4.5-5.5	135	6	0.014
SECX-7-20-135	7	20	5.5-6.5	135	6	0.014
SECX-7-30-135	7	30	5.5-6.5	135	6	0.014
SECX-7-40-135	7	40	5.5-6.5	135	6	0.014
SECX-7-60-135	7	60	5.5-6.5	135	6	0.014
SECX-8-20-135	8	20	6.5-7.5	135	6	0.014
SECX-8-30-135	8	30	6.5-7.5	135	6	0.014
SECX-8-40-135	8	40	6.5-7.5	135	6	0.014
SECX-8-60-135	8	60	6.5-7.5	135	6	0.014
SECX-9-20-135	9	20	7.5-8.5	135	6	0.014
SECX-9-30-135	9	30	7.5-8.5	135	6	0.014
SECX-9-40-135	9	40	7.5-8.5	135	6	0.014
SECX-9-60-135	9	60	7.5-8.5	135	6	0.014
SECX-10-20-135	10	20	8.5-9.5	135	6	0.014
SECX-10-30-135	10	30	8.5-9.5	135	6	0.014
SECX-10-40-135	10	40	8.5-9.5	135	6	0.014
SECX-10-60-135	10	60	8.5-9.5	135	6	0.014

Tapered

SECX-8-6-30-135	8/6	30	(6.5-7.5)-(4.5-5.5)	135	6	0.014
SECX-8-6-40-135	8/6	40	(6.5-7.5)-(4.5-5.5)	135	6	0.014
SECX-10-7-30-135	10/7	30	(8.5-9.5)-(5.5-6.5)	135	6	0.014
SECX-10-7-40-135	10/7	40	(8.5-9.5)-(5.5-6.5)	135	6	0.014

Each system includes one stent and delivery catheter system.

Specifications Nominal.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts these devices to sale by or on the order of a physician. Essential Product Information (EPI): The Protégé RX Carotid Stent System, when used in conjunction with the ev3 embolic protection systems, is indicated for the treatment of patients at high risk for adverse events from carotid endarterectomy who require percutaneous carotid revascularization and meet the following criteria: 1. Patients with carotid artery stenosis ($\geq 50\%$ for symptomatic patients by ultrasound or angiography or $\geq 80\%$ for asymptomatic patients by ultrasound or angiography) of the Common or Internal Carotid Artery, AND 2. Patients must have a reference vessel diameter within the range of 4.5 mm and 9.5 mm at the target lesion. **CONTRAINDICATIONS:** Use of the Protégé RX Carotid Stent System is contraindicated under these circumstances: Patients in whom anticoagulant, antiplatelet therapy or thrombolytic drugs is contraindicated; patients with vascular tortuosity or anatomy, which precludes the safe introduction of the sheath, guide catheter, embolic protection system, or stent system; patients with known hypersensitivity to nickel-titanium; patients with uncorrected bleeding disorders; lesions in the ostium of the common carotid artery. **WARNING:** Only physicians who have received appropriate training and are familiar with the principles, clinical applications, complications, side effects and hazards commonly associated with carotid interventional procedures should use this device.

Product availability and / or specifications subject to change.

Protégé EverFlex 0.035" Self-Expanding Biliary Stent System is designed for the palliative treatment of malignant neoplasms in the biliary tree. The stent is made of nitinol and comes pre-mounted on an over-the-wire delivery system. The proximal and distal ends of the stent have tantalum radiopaque markers for enhanced visibility.

Protégé EverFlex

0.035" Self-Expanding Biliary Stent System

Product Catalog Number (1/Box)	Unconstrained Stent Diameter (mm)	Unconstrained Stent Length (mm)	Rec. Lumen Size (mm)	Usable Length (cm)	Sheath Size (F)	Guidewire Acceptance (in)	Outside Diameter (in)
PRB35-05-020-080	5	20	3.5-4.5	80	6	0.035	0.079
PRB35-05-020-120	5	20	3.5-4.5	120	6	0.035	0.079
PRB35-05-030-080	5	30	3.5-4.5	80	6	0.035	0.079
PRB35-05-030-120	5	30	3.5-4.5	120	6	0.035	0.079
PRB35-05-040-080	5	40	3.5-4.5	80	6	0.035	0.079
PRB35-05-040-120	5	40	3.5-4.5	120	6	0.035	0.079
PRB35-05-060-080	5	60	3.5-4.5	80	6	0.035	0.079
PRB35-05-060-120	5	60	3.5-4.5	120	6	0.035	0.079
PRB35-05-080-080	5	80	3.5-4.5	80	6	0.035	0.079
PRB35-05-080-120	5	80	3.5-4.5	120	6	0.035	0.079
PRB35-05-100-080	5	100	3.5-4.5	80	6	0.035	0.079
PRB35-05-100-120	5	100	3.5-4.5	120	6	0.035	0.079
PRB35-05-120-080	5	120	3.5-4.5	80	6	0.035	0.079
PRB35-05-120-120	5	120	3.5-4.5	120	6	0.035	0.079

Each system includes one stent and delivery catheter system.

Specifications Nominal.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts these devices to sale by or on the order of a physician. **WARNING:** The safety and effectiveness of this device for use in the vascular system have not been established. The Protégé EverFlex Stent is intended as a palliative treatment of malignant neoplasms in the biliary tree.

Product availability and / or specifications subject to change.

Protégé GPS 0.035" Self-Expanding Biliary Stent System is a nitinol stent system designed for the palliative treatment of malignant neoplasms in the biliary tree. The stents have tantalum radiopaque markers at the proximal and distal ends. Upon deployment, the stent achieves its predetermined diameter and exerts a constant, outward force to establish patency in the biliary ducts.

Protégé GPS

0.035" Self-Expanding Biliary Stent System

Product Catalog Number (1/Box)	Unconstrained Stent Diameter (mm)	Unconstrained Stent Length (mm)	Rec. Lumen Size (mm)	Usable Length (cm)	Sheath Size (F)	Guidewire Acceptance (in)	Outside Diameter (in)
SERB65-9-20-80	9	20	7.5-8.5	80	6	0.035	0.079
SERB65-9-30-80	9	30	7.5-8.5	80	6	0.035	0.079
SERB65-9-40-80	9	40	7.5-8.5	80	6	0.035	0.079
SERB65-9-60-80	9	60	7.5-8.5	80	6	0.035	0.079
SERB65-9-80-80	9	80	7.5-8.5	80	6	0.035	0.079
SERB65-10-20-80	10	20	8.5-9.5	80	6	0.035	0.079
SERB65-10-30-80	10	30	8.5-9.5	80	6	0.035	0.079
SERB65-10-40-80	10	40	8.5-9.5	80	6	0.035	0.079
SERB65-10-60-80	10	60	8.5-9.5	80	6	0.035	0.079
SERB65-10-80-80	10	80	8.5-9.5	80	6	0.035	0.079
SERB65-12-20-80	12	20	9.5-11.0	80	6	0.035	0.079
SERB65-12-30-80	12	30	9.5-11.0	80	6	0.035	0.079
SERB65-12-40-80	12	40	9.5-11.0	80	6	0.035	0.079
SERB65-12-60-80	12	60	9.5-11.0	80	6	0.035	0.079
SERB65-12-80-80	12	80	9.5-11.0	80	6	0.035	0.079
SERB65-14-20-80	14	20	11.5-13.0	80	6	0.035	0.079
SERB65-14-30-80	14	30	11.5-13.0	80	6	0.035	0.079
SERB65-14-40-80	14	30	11.5-13.0	80	6	0.035	0.079
SERB65-14-60-80	14	60	11.5-13.0	80	6	0.035	0.079
SERB65-14-80-80	14	80	11.5-13.0	80	6	0.035	0.079
SERB65-9-20-120	9	20	7.5-8.5	120	6	0.035	0.079
SERB65-9-30-120	9	30	7.5-8.5	120	6	0.035	0.079
SERB65-9-40-120	9	40	7.5-8.5	120	6	0.035	0.079
SERB65-9-60-120	9	60	7.5-8.5	120	6	0.035	0.079
SERB65-9-80-120	9	80	7.5-8.5	120	6	0.035	0.079
SERB65-10-20-120	10	20	8.5-9.5	120	6	0.035	0.079
SERB65-10-30-120	10	30	8.5-9.5	120	6	0.035	0.079
SERB65-10-40-120	10	40	8.5-9.5	120	6	0.035	0.079
SERB65-10-60-120	10	60	8.5-9.5	120	6	0.035	0.079
SERB65-10-80-120	10	80	8.5-9.5	120	6	0.035	0.079
SERB65-12-20-120	12	20	9.5-11.0	120	6	0.035	0.079
SERB65-12-30-120	12	30	9.5-11.0	120	6	0.035	0.079
SERB65-12-40-120	12	40	9.5-11.0	120	6	0.035	0.079
SERB65-12-60-120	12	60	9.5-11.0	120	6	0.035	0.079
SERB65-12-80-120	12	80	9.5-11.0	120	6	0.035	0.079
SERB65-14-20-120	14	20	11.5-13.0	120	6	0.035	0.079
SERB65-14-30-120	14	30	11.5-13.0	120	6	0.035	0.079
SERB65-14-40-120	14	40	11.5-13.0	120	6	0.035	0.079
SERB65-14-60-120	14	60	11.5-13.0	120	6	0.035	0.079
SERB65-14-80-120	14	80	11.5-13.0	120	6	0.035	0.079

Each system includes one stent and delivery catheter system.

Specifications Nominal.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts these devices to sale by or on the order of a physician. **WARNING:** The safety and effectiveness of this device for use in the vascular system have not been established. The Protégé GPS Stent is intended as a palliative treatment of malignant neoplasms in the biliary tree.

Product availability and / or specifications subject to change.

Protégé GPS 0.018" Self-Expanding Biliary Stent System is a nitinol stent system designed for the palliative treatment of malignant neoplasms in the biliary tree. The stents have tantalum radiopaque markers at the proximal and distal ends. Upon deployment, the stent achieves its predetermined diameter and exerts a constant, outward force to establish patency in the biliary ducts.

Protégé GPS

0.018" Self-Expanding Biliary Stent System

Product Catalog Number (1/Box)	Unconstrained Stent Diameter (mm)	Unconstrained Stent Length (mm)	Rec. Lumen Size (mm)	Usable Length (cm)	Sheath Size (F)	Guidewire Acceptance (in)	Outside Diameter (in)
90-2464-020	6	20	4.5-5.5	135	6	0.018	0.079
90-2464-024	6	30	4.5-5.5	135	6	0.018	0.079
90-2464-028	6	40	4.5-5.5	135	6	0.018	0.079
90-2464-032	6	60	4.5-5.5	135	6	0.018	0.079
90-2464-036	6	80	4.5-5.5	135	6	0.018	0.079
90-2464-021	7	20	5.5-6.5	135	6	0.018	0.079
90-2464-025	7	30	5.5-6.5	135	6	0.018	0.079
90-2464-029	7	40	5.5-6.5	135	6	0.018	0.079
90-2464-033	7	60	5.5-6.5	135	6	0.018	0.079
90-2464-037	7	80	5.5-6.5	135	6	0.018	0.079
90-2464-022	8	20	6.5-7.5	135	6	0.018	0.079
90-2464-026	8	30	6.5-7.5	135	6	0.018	0.079
90-2464-030	8	40	6.5-7.5	135	6	0.018	0.079
90-2464-034	8	60	6.5-7.5	135	6	0.018	0.079
90-2464-038	8	80	6.5-7.5	135	6	0.018	0.079
90-2464-023	9	20	7.5-8.5	135	6	0.018	0.079
90-2464-027	9	30	7.5-8.5	135	6	0.018	0.079
90-2464-031	9	40	7.5-8.5	135	6	0.018	0.079
90-2464-035	9	60	7.5-8.5	135	6	0.018	0.079
90-2464-039	9	80	7.5-8.5	135	6	0.018	0.079
90-2464-045	10	20	8.5-9.5	135	6	0.018	0.079
90-2464-046	10	30	8.5-9.5	135	6	0.018	0.079
90-2464-047	10	40	8.5-9.5	135	6	0.018	0.079
90-2464-048	10	60	8.5-9.5	135	6	0.018	0.079
90-2464-049	10	80	8.5-9.5	135	6	0.018	0.079

Each system includes one stent and delivery catheter system.

Specifications Nominal.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts these devices to sale by or on the order of a physician. **WARNING:** The safety and effectiveness of this device for use in the vascular system have not been established. The Protégé GPS Stent is intended as a palliative treatment of malignant neoplasms in the biliary tree.

Product availability and / or specifications subject to change.

Visi-Pro 0.035" 80 cm Shaft Balloon-Expandable Biliary Stent System is designed for radial strength, trackability, high visibility, and precise placement. The proximal and distal ends of the stent have tantalum radiopaque markers for enhanced visibility.

Visi-Pro

0.035" 80 cm Shaft Balloon-Expandable Biliary Stent System

Product Catalog Number (1/Box)	Stent Diameter (mm)	Stent Length (mm)	Balloon Length (mm)	Recommended Introducer (F)	Catheter Length (cm)
PXB35-05-12-080	5	12	15	6*	80
PXB35-05-17-080	5	17	20	6*	80
PXB35-05-27-080	5	27	30	6*	80
PXB35-05-37-080	5	37	40	6*	80
PXB35-05-57-080	5	57	60	6*	80
PXB35-06-12-080	6	12	15	6*	80
PXB35-06-17-080	6	17	20	6*	80
PXB35-06-27-080	6	27	30	6*	80
PXB35-06-37-080	6	37	40	6*	80
PXB35-06-57-080	6	57	60	6*	80
PXB35-07-12-080	7	12	15	6*	80
PXB35-07-17-080	7	17	20	6*	80
PXB35-07-27-080	7	27	30	6*	80
PXB35-07-37-080	7	37	40	6*	80
PXB35-07-57-080	7	57	60	6*	80
PXB35-08-17-080	8	17	20	6*	80
PXB35-08-27-080	8	27	30	6*	80
PXB35-08-37-080	8	37	40	6*	80
PXB35-08-57-080	8	57	60	6*	80
PXB35-09-17-080	9	17	20	7	80
PXB35-09-27-080	9	27	30	7	80
PXB35-09-37-080	9	37	40	7	80
PXB35-09-57-080	9	57	60	7	80
PXB35-10-17-080	10	17	20	7	80
PXB35-10-27-080	10	27	30	7	80
PXB35-10-37-080	10	37	40	7	80
PXB35-10-57-080	10	57	60	7	80

Each system includes one stent and delivery catheter system.

Specifications Nominal.

*6 F = 0.085" I.D.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts these devices to sale by or on the order of a physician. **WARNING:** The safety and effectiveness of this device for use in the vascular system have not been established. The Visi-Pro Stent is intended as a palliative treatment of malignant neoplasms in the biliary tree.

Product availability and / or specifications subject to change.

Visi-Pro 0.035" 135 cm Shaft Balloon-Expandable Biliary Stent System is designed for radial strength, trackability, high visibility, and precise placement. The proximal and distal ends of the stent have tantalum radiopaque markers for enhanced visibility.

Visi-Pro

0.035" 135 cm Shaft Balloon-Expandable Biliary Stent System

Product Catalog Number (1/Box)	Stent Diameter (mm)	Stent Length (mm)	Balloon Length (mm)	Recommended Introducer (F)	Catheter Length (cm)
PXB35-05-17-135	5	17	20	6*	135
PXB35-05-27-135	5	27	30	6*	135
PXB35-05-37-135	5	37	40	6*	135
PXB35-05-57-135	5	57	60	6*	135
PXB35-06-17-135	6	17	20	6*	135
PXB35-06-27-135	6	27	30	6*	135
PXB35-06-37-135	6	37	40	6*	135
PXB35-06-57-135	6	57	60	6*	135
PXB35-07-17-135	7	17	20	6*	135
PXB35-07-27-135	7	27	30	6*	135
PXB35-07-37-135	7	32	40	6*	135
PXB35-07-57-135	7	57	60	6*	135
PXB35-08-17-135	8	17	20	6*	135
PXB35-08-27-135	8	27	30	6*	135
PXB35-08-37-135	8	37	40	6*	135
PXB35-08-57-135	8	57	60	6*	135
PXB35-09-17-135	9	17	20	7	135
PXB35-09-27-135	9	27	30	7	135
PXB35-09-37-135	9	37	40	7	135
PXB35-09-57-135	9	57	60	7	135
PXB35-10-17-135	10	17	20	7	135
PXB35-10-27-135	10	27	30	7	135
PXB35-10-37-135	10	37	40	7	135
PXB35-10-57-135	10	57	60	7	135

Each system includes one stent and delivery catheter system.

Specifications Nominal.

*6 F = 0.085" I.D.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts these devices to sale by or on the order of a physician. **WARNING:** The safety and effectiveness of this device for use in the vascular system have not been established. The Visi-Pro Stent is intended as a palliative treatment of malignant neoplasms in the biliary tree.

Product availability and / or specifications subject to change.

ParaMount Mini GPS 0.014" - 0.018" Balloon-Expandable Biliary Stent System is designed for high visibility and is compatible with a 6 F and 7 F guide catheter. The proximal and distal ends of the stent have tantalum radiopaque markers for enhanced visibility.

ParaMount Mini GPS

0.014" - 0.018" Balloon-Expandable Biliary Stent System

Product Catalog Number (1/Box)	Expanded Stent Diameter (mm)	Expanded Stent Length (mm)	Balloon Length (mm)	Rated Burst Pressure (atm)	Recommended Guide Catheter / Sheath Size	Guidewire Acceptance (in)
PMB4-5-14-80	5.0	14	17	12	6/5	0.014
PMB4-5-18-80	5.0	18	20	12	6/5	0.014
PMB4-5-21-80	5.0	21	24	12	6/5	0.014
PMB4-6-14-80	6.0	14	17	12	6*/5	0.014
PMB4-6-18-80	6.0	18	20	12	6*/5	0.014
PMB4-6-21-80	6.0	21	24	12	6*/5	0.014
PMB4-7-14-80	7.0	14	17	12	7/6	0.014
PMB4-7-18-80	7.0	18	20	12	7/6	0.014
PMB4-7-21-80	7.0	21	24	12	7/6	0.014

Product Catalog Number (1/Box)	Expanded Stent Diameter (mm)	Expanded Stent Length (mm)	Balloon Length (mm)	Rated Burst Pressure (atm)	Recommended Guide Catheter / Sheath Size	Guidewire Acceptance (in)
PMB8-5-14-80	5.0	14	17	12	6/5	0.018
PMB8-5-18-80	5.0	18	20	12	6/5	0.018
PMB8-5-21-80	5.0	21	24	12	6/5	0.018
PMB8-6-14-80	6.0	14	17	12	6*/5	0.018
PMB8-6-18-80	6.0	18	20	12	6*/5	0.018
PMB8-6-21-80	6.0	21	24	12	6*/5	0.018
PMB8-7-14-80	7.0	14	17	12	7/6	0.018
PMB8-7-18-80	7.0	18	20	12	7/6	0.018
PMB8-7-21-80	7.0	21	24	12	7/6	0.018

Each system includes one stent and delivery catheter system.

Specifications Nominal.

*6F = 0.070" I.D.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts these devices to sale by or on the order of a physician. **WARNING:** The safety and effectiveness of this device for use in the vascular system have not been established. The ParaMount Mini GPS Stent is intended as a palliative treatment of malignant neoplasms in the biliary tree.

Product availability and / or specifications subject to change.

IntraStent LD Biliary Stent System is made up of large diameter stents designed for flexibility, strength and a low profile. These stents are designed to be manually crimped onto a non-compliant PTA balloon catheter that is indicated for the biliary stent expansion.

IntraStent LD

Biliary Stent System

Product Catalog Number (1/Box)	Un-expanded Stent Size		Expanded Stent Size	
	Diameter (mm)	Length (mm)	Diameter (mm)	Length (mm)

IntraStent LD Double Strut Biliary Stent

S15-16 (90-1431-000)	3.8	16.0	9, 10, 11, 12	16.0
S15-26 (90-1431-001)	3.8	26.0	9, 10, 11, 12	26.0
S15-36 (90-1431-002)	3.8	36.0	9, 10, 11, 12	36.0
S15-56 (90-1431-003)	3.8	56.0	9, 10, 11, 12	56.0
S15-76 (90-1431-004)	3.8	76.0	9, 10, 11, 12	76.0

IntraStent LD Mega Biliary Stent

S17-16 (90-2313-000)	3.8	16.0	9, 10, 11, 12	16.0
S17-26 (90-2313-001)	3.8	26.0	9, 10, 11, 12	26.0
S17-36 (90-2313-002)	3.8	36.0	9, 10, 11, 12	36.0

IntraStent LD Max Biliary Stent

S18-16 (90-2319-000)	4.5	16.0	12	16.0
S18-26 (90-2319-001)	4.5	26.0	12	26.0
S18-36 (90-2319-002)	4.5	36.0	12	36.0

Specifications Nominal.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts these devices to sale by or on the order of a physician. **WARNING:** The safety and effectiveness of this device for use in the vascular system have not been established. The IntraStent LD Stent is intended as a palliative treatment of malignant neoplasm in the biliary tree.

Product availability and / or specifications subject to change.

EverCross 0.035" 135 cm Shaft OTW PTA Balloon Catheter is specially designed to optimize control, lesion entry and trackability. EverCross delivers both superior performance and an unmatched range of balloon sizes.

EverCross

0.035" 135 cm Shaft OTW PTA Balloon Catheter

Product Catalog Number	Balloon Size Diameter (mm)	Balloon Size Length (mm)	RBP (atm)	Recommended Introducer Sheath (F)
AB35W03020135	3.0	20	20	5
AB35W03030135	3.0	30	20	5
AB35W03040135	3.0	40	20	5
AB35W03060135	3.0	60	20	5
AB35W03080135	3.0	80	20	5
AB35W03100135	3.0	100	20	5
AB35W03120135	3.0	120	20	5
AB35W03150135	3.0	150	20	5
AB35W03200135	3.0	200	20	5
AB35W04020135	4.0	20	20	5
AB35W04030135	4.0	30	20	5
AB35W04040135	4.0	40	20	5
AB35W04060135	4.0	60	20	5
AB35W04080135	4.0	80	20	5
AB35W04100135	4.0	100	20	5
AB35W04120135	4.0	120	20	5
AB35W04150135	4.0	150	20	5
AB35W04200135	4.0	200	20	5
AB35W05020135	5.0	20	18	5
AB35W05030135	5.0	30	18	5
AB35W05040135	5.0	40	18	5
AB35W05060135	5.0	60	18	5
AB35W05080135	5.0	80	18	5
AB35W05100135	5.0	100	18	5
AB35W05120135	5.0	120	18	5
AB35W05150135	5.0	150	18	5
AB35W05200135	5.0	200	18	5
AB35W06020135	6.0	20	14	5
AB35W06030135	6.0	30	14	5

Each system includes one PTA Balloon Catheter and re-wrap tool.

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Specifications Nominal.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts these devices to sale by or on the order of a physician. The EverCross 0.035" OTW PTA Dilatation Catheter is intended to dilate stenoses in the iliac, femoral, ilio-femoral, popliteal, infra-popliteal, and renal arteries, and for the treatment of obstructive lesions of native or synthetic arteriovenous dialysis fistulae. This device is also indicated for stent post-dilatation in the peripheral vasculature.

Product availability and / or specifications subject to change.

EverCross

0.035" 135 cm Shaft OTW PTA Balloon Catheter

Product Catalog Number	Balloon Size Diameter (mm)	Balloon Size Length (mm)	RBP (atm)	Recommended Introducer Sheath (F)
AB35W06040135	6.0	40	14	5
AB35W06060135	6.0	60	14	5
AB35W06080135	6.0	80	14	5
AB35W06100135	6.0	100	14	5
AB35W06120135	6.0	120	14	5
AB35W06150135	6.0	150	14	5
AB35W06200135	6.0	200	12	6
AB35W07020135	7.0	20	14	5
AB35W07030135	7.0	30	14	5
AB35W07040135	7.0	40	14	5
AB35W07060135	7.0	60	14	6
AB35W07080135	7.0	80	14	6
AB35W07100135	7.0	100	14	6
AB35W07120135	7.0	120	14	6
AB35W07150135	7.0	150	14	6
AB35W07200135	7.0	200	14	6
AB35W08020135	8.0	20	14	6
AB35W08030135	8.0	30	14	6
AB35W08040135	8.0	40	14	6
AB35W08060135	8.0	60	14	6
AB35W08080135	8.0	80	14	6
AB35W09020135	9.0	20	12	6
AB35W09030135	9.0	30	12	6
AB35W09040135	9.0	40	12	6
AB35W09060135	9.0	60	12	6
AB35W09085135	9.0	80	12	6
AB35W10020135	10.0	20	11	6
AB35W10030135	10.0	30	11	6
AB35W10040135	10.0	40	11	6
AB35W10060135	10.0	60	11	6
AB35W12020135	12.0	20	10	7
AB35W12040135	12.0	40	10	7
AB35W12060135	12.0	60	10	7

Each system includes one PTA Balloon Catheter and re-wrap tool.

Specifications Nominal.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts these devices to sale by or on the order of a physician. The EverCross 0.035" OTW PTA Dilatation Catheter is intended to dilate stenoses in the iliac, femoral, ilio-femoral, popliteal, infra-popliteal, and renal arteries, and for the treatment of obstructive lesions of native or synthetic arteriovenous dialysis fistulae. This device is also indicated for stent post-dilatation in the peripheral vasculature.

Product availability and / or specifications subject to change.

EverCross 0.035" 80 cm Shaft OTW PTA Balloon Catheter is specially designed to optimize control, lesion entry and trackability. EverCross delivers both superior performance and an unmatched range of balloon sizes.

EverCross

0.035" 80 cm Shaft OTW PTA Balloon Catheter

Product Catalog Number	Balloon Size Diameter (mm)	Balloon Size Length (mm)	RBP (atm)	Recommended Introducer Sheath (F)
AB35W03020080	3.0	20	20	5
AB35W03030080	3.0	30	20	5
AB35W03040080	3.0	40	20	5
AB35W03060080	3.0	60	20	5
AB35W03080080	3.0	80	20	5
AB35W03100080	3.0	100	20	5
AB35W03120080	3.0	120	20	5
AB35W03150080	3.0	150	20	5
AB35W03200080	3.0	200	20	5
AB35W04020080	4.0	20	20	5
AB35W04030080	4.0	30	20	5
AB35W04040080	4.0	40	20	5
AB35W04060080	4.0	60	20	5
AB35W04080080	4.0	80	20	5
AB35W04100080	4.0	100	20	5
AB35W04120080	4.0	120	20	5
AB35W04150080	4.0	150	20	5
AB35W04200080	4.0	200	20	5
AB35W05020080	5.0	20	18	5
AB35W05030080	5.0	30	18	5
AB35W05040080	5.0	40	18	5
AB35W05060080	5.0	60	18	5
AB35W05080080	5.0	80	18	5
AB35W05100080	5.0	100	18	5
AB35W05120080	5.0	120	18	5
AB35W05150080	5.0	150	18	5
AB35W05200080	5.0	200	18	5
AB35W06020080	6.0	20	14	5
AB35W06030080	6.0	30	14	5

Each system includes one PTA Balloon Catheter and re-wrap tool.

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Specifications Nominal.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts these devices to sale by or on the order of a physician. The EverCross 0.035" OTW PTA Dilatation Catheter is intended to dilate stenoses in the iliac, femoral, ilio-femoral, popliteal, infra-popliteal, and renal arteries, and for the treatment of obstructive lesions of native or synthetic arteriovenous dialysis fistulae. This device is also indicated for stent post-dilatation in the peripheral vasculature.

Product availability and / or specifications subject to change.

EverCross

0.035" 80 cm Shaft OTW PTA Balloon Catheter

Product Catalog Number	Balloon Size Diameter (mm)	Balloon Size Length (mm)	RBP (atm)	Recommended Introducer Sheath (F)
AB35W06040080	6.0	40	14	5
AB35W06060080	6.0	60	14	5
AB35W06080080	6.0	80	14	5
AB35W06100080	6.0	100	14	5
AB35W06120080	6.0	120	14	5
AB35W06150080	6.0	150	14	5
AB35W06200080	6.0	200	12	6
AB35W07020080	7.0	20	14	5
AB35W07030080	7.0	30	14	5
AB35W07040080	7.0	40	14	5
AB35W07060080	7.0	60	14	6
AB35W07080080	7.0	80	14	6
AB35W07100080	7.0	100	14	6
AB35W07120080	7.0	120	14	6
AB35W07150080	7.0	150	14	6
AB35W07200080	7.0	200	14	6
AB35W08020080	8.0	20	14	6
AB35W08030080	8.0	30	14	6
AB35W08040080	8.0	40	14	6
AB35W08060080	8.0	60	14	6
AB35W08080080	8.0	80	14	6
AB35W09020080	9.0	20	12	6
AB35W09030080	9.0	30	12	6
AB35W09040080	9.0	40	12	6
AB35W09060080	9.0	60	12	6
AB35W09085080	9.0	80	12	6
AB35W10020080	10.0	20	11	6
AB35W10030080	10.0	30	11	6
AB35W10040080	10.0	40	11	6
AB35W10060080	10.0	60	11	7
AB35W12020080	12.0	20	10	7
AB35W12040080	12.0	40	10	7
AB35W12060080	12.0	60	10	7

Each system includes one PTA Balloon Catheter and re-wrap tool.

Specifications Nominal.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts these devices to sale by or on the order of a physician. The EverCross 0.035" OTW PTA Dilatation Catheter is intended to dilate stenoses in the iliac, femoral, ilio-femoral, popliteal, infra-popliteal, and renal arteries, and for the treatment of obstructive lesions of native or synthetic arteriovenous dialysis fistulae. This device is also indicated for stent post-dilatation in the peripheral vasculature.

Product availability and / or specifications subject to change.

EverCross 0.035" 40 cm Shaft OTW PTA Balloon Catheter is specially designed to optimize control, lesion entry and trackability. EverCross delivers both superior performance and an unmatched range of balloon sizes.

EverCross

0.035" 40 cm Shaft OTW PTA Balloon Catheter

Product Catalog Number	Balloon Size Diameter (mm)	Balloon Size Length (mm)	RBP (atm)	Recommended Introducer Sheath (F)
AB35W05020040	5.0	20	18	5
AB35W05030040	5.0	30	18	5
AB35W05040040	5.0	40	18	5
AB35W05060040	5.0	60	18	5
AB35W05080040	5.0	80	18	5
AB35W05120040	5.0	120	18	5
AB35W06020040	6.0	20	14	5
AB35W06040040	6.0	40	14	5
AB35W06080040	6.0	80	14	5
AB35W06120040	6.0	120	12	5
AB35W07002040	7.0	20	14	5
AB35W07004040	7.0	40	14	5
AB35W07006040	7.0	60	14	6
AB35W08002040	8.0	20	14	6
AB35W08004040	8.0	40	14	6
AB35W08006040	8.0	60	14	6

Each system includes one PTA Balloon Catheter and re-wrap tool.

Specifications Nominal.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts these devices to sale by or on the order of a physician. The EverCross 0.035" OTW PTA Dilatation Catheter is intended to dilate stenoses in the iliac, femoral, ilio-femoral, popliteal, infra-popliteal, and renal arteries, and for the treatment of obstructive lesions of native or synthetic arteriovenous dialysis fistulae. This device is also indicated for stent post-dilatation in the peripheral vasculature.

Product availability and / or specifications subject to change.

PowerCross 0.018" 150 cm Shaft OTW PTA Balloon Catheter is specially designed to increase pushability with a tapered, low profile tip for ease of lesion entry. PowerCross delivers both the ability to cross smoothly and deflate quickly.

PowerCross

0.018" 150 cm Shaft OTW PTA Balloon Catheter

Product Catalog Number	Balloon Diameter (mm)	Balloon Length (mm)	Nominal Pressure (atm)	RBP (atm)	Recommended Introducer Sheath (F)
AB18W020020150	2	20	8	14	4
AB18W020040150	2	40	8	14	4
AB18W020100150	2	100	8	14	4
AB18W020150150	2	150	8	14	4
AB18W020200150	2	200	8	14	4
AB18W025020150	2.5	20	8	14	4
AB18W025040150	2.5	40	8	14	4
AB18W025100150	2.5	100	8	14	4
AB18W025150150	2.5	150	8	14	4
AB18W025200150	2.5	200	8	14	4
AB18W030020150	3	20	8	14	4
AB18W030040150	3	40	8	14	4
AB18W030060150	3	60	8	14	4
AB18W030080150	3	80	8	14	4
AB18W030100150	3	100	8	14	4
AB18W030120150	3	120	8	14	4
AB18W030150150	3	150	8	14	4
AB18W030200150	3	200	8	14	4
AB18W040020150	4	20	8	14	4
AB18W040040150	4	40	8	14	4
AB18W040060150	4	60	8	14	4
AB18W040080150	4	80	8	14	4
AB18W040100150	4	100	8	14	4
AB18W040120150	4	120	8	14	4
AB18W040150150	4	150	8	14	4
AB18W040200150	4	200	8	14	4
AB18W050020150	5	20	8	14	4
AB18W050040150	5	40	8	14	4
AB18W050060150	5	60	8	14	5
AB18W050080150	5	80	8	14	5
AB18W050100150	5	100	8	14	5
AB18W050120150	5	120	8	14	5
AB18W050150150	5	150	8	14	5
AB18W050200150	5	200	8	14	5
AB18W060020150	6	20	8	14	4
AB18W060040150	6	40	8	14	5
AB18W060060150	6	60	8	14	5
AB18W060080150	6	80	8	14	5
AB18W060100150	6	100	8	12	5
AB18W060120150	6	120	8	14	5
AB18W060150150	6	150	8	14	5
AB18W060200150	6	200	8	14	6

Each system includes one PTA Balloon Catheter and re-wrap tool.

Specifications Nominal.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts these devices to sale by or on the order of a physician. The PowerCross 0.018" OTW PTA Dilatation Catheter is intended to dilate stenoses in the iliac, femoral, ilio-femoral, popliteal, infra-popliteal, and renal arteries, and for the treatment of obstructive lesions of native or synthetic arteriovenous dialysis fistulae. This device is also indicated for stent post-dilatation in the peripheral vasculature.

Product availability and / or specifications subject to change.

PowerCross 0.018" 90 cm Shaft OTW PTA Balloon Catheter is specially designed to increase pushability with a tapered, low profile tip for ease of lesion entry. PowerCross delivers both the ability to cross smoothly and deflate quickly.

PowerCross

0.018" 90 cm Shaft OTW PTA Balloon Catheter

Product Catalog Number	Balloon Diameter (mm)	Balloon Length (mm)	Nominal Pressure (atm)	RBP (atm)	Recommended Introducer Sheath (F)
AB18W020020090	2	20	8	14	4
AB18W020040090	2	40	8	14	4
AB18W020100090	2	100	8	14	4
AB18W020150090	2	150	8	14	4
AB18W020200090	2	200	8	14	4
AB18W025020090	2.5	20	8	14	4
AB18W025040090	2.5	40	8	14	4
AB18W025100090	2.5	100	8	14	4
AB18W025150090	2.5	150	8	14	4
AB18W025200090	2.5	200	8	14	4
AB18W030020090	3	20	8	14	4
AB18W030040090	3	40	8	14	4
AB18W030060090	3	60	8	14	4
AB18W030080090	3	80	8	14	4
AB18W030100090	3	100	8	14	4
AB18W030120090	3	120	8	14	4
AB18W030150090	3	150	8	14	4
AB18W030200090	3	200	8	14	4
AB18W040020090	4	20	8	14	4
AB18W040040090	4	40	8	14	4
AB18W040060090	4	60	8	14	4
AB18W040080090	4	80	8	14	4
AB18W040100090	4	100	8	14	4
AB18W040120090	4	120	8	14	4
AB18W040150090	4	150	8	14	4
AB18W040200090	4	200	8	14	4
AB18W050020090	5	20	8	14	4
AB18W050040090	5	40	8	14	4
AB18W050060090	5	60	8	14	5
AB18W050080090	5	80	8	14	5
AB18W050100090	5	100	8	14	5
AB18W050120090	5	120	8	14	5
AB18W050150090	5	150	8	14	5
AB18W050200090	5	200	8	14	5
AB18W060020090	6	20	8	14	4
AB18W060040090	6	40	8	14	5
AB18W060060090	6	60	8	14	5
AB18W060080090	6	80	8	14	5
AB18W060100090	6	100	8	12	5
AB18W060120090	6	120	8	14	5
AB18W060150090	6	150	8	14	5
AB18W060120090	6	200	8	14	6

Each system includes one PTA Balloon Catheter and re-wrap tool.

Specifications Nominal.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts these devices to sale by or on the order of a physician. The PowerCross 0.018" OTW PTA Dilatation Catheter is intended to dilate stenoses in the iliac, femoral, ilio-femoral, popliteal, infra-popliteal, and renal arteries, and for the treatment of obstructive lesions of native or synthetic arteriovenous dialysis fistulae.

This device is also indicated for stent post-dilatation in the peripheral vasculature.

Product availability and / or specifications subject to change.

NanoCross 0.014" 150 cm Shaft OTW PTA Balloon Catheter is designed to cross smoothly and deflate quickly. The NanoCross has superior crossability with an ultra-low crossing profile. The robust catheter design improves pushability and trackability.

NanoCross

0.014" 150 cm Shaft OTW PTA Balloon Catheter

Product Catalog Number	Balloon Diameter (mm)	Balloon Length (mm)	Nominal Pressure (atm)	RBP (atm)	Recommended Introducer Sheath (F)
AB14W015020150	1.5	20	10	14	4
AB14W020020150	2.0	20	10	14	4
AB14W020040150	2.0	40	10	14	4
AB14W020080150	2.0	80	10	14	4
AB14W020120150	2.0	120	10	14	4
AB14W020150150	2.0	150	10	14	4
AB14W020210150	2.0 (proximal) / 1.5 (distal)	210	10	14	4
AB14W025020150	2.5	20	10	14	4
AB14W025040150	2.5	40	10	14	4
AB14W025080150	2.5	80	10	14	4
AB14W025120150	2.5	120	10	14	4
AB14W025150150	2.5	150	10	14	4
AB14W025210150	2.5 (proximal) / 2.0 (distal)	210	10	14	4
AB14W030020150	3.0	20	10	14	4
AB14W030040150	3.0	40	10	14	4
AB14W030080150	3.0	80	10	14	4
AB14W030120150	3.0	120	10	14	4
AB14W030150150	3.0	150	10	14	4
AB14W030210150	3.0 (proximal) / 2.5 (distal)	210	10	14	4
AB14W035020150	3.5	20	8	14	4
AB14W035040150	3.5	40	8	14	4
AB14W035080150	3.5	80	8	14	4
AB14W035120150	3.5	120	8	14	4
AB14W035150150	3.5	150	8	14	4
AB14W035210150	3.5 (proximal) / 3.0 (distal)	210	8	14	4
AB14W040020150	4.0	20	7	14	4
AB14W040040150	4.0	40	7	14	4
AB14W040080150	4.0	80	7	14	4
AB14W040120150	4.0	120	7	14	4
AB14W040150150	4.0	150	7	14	4
AB14W040210150	4.0 (proximal) / 3.5 (distal)	210	8	14	4

Each system includes one PTA Balloon Catheter and re-wrap tool.

Specifications Nominal.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts these devices to sale by or on the order of a physician. The NanoCross 0.014" OTW PTA Dilatation Catheter is intended to dilate stenoses in the iliac, femoral, ilio-femoral, popliteal, infra-popliteal, and renal arteries, and for the treatment of obstructive lesions of native or synthetic arteriovenous dialysis fistulae.

Product availability and / or specifications subject to change.

NanoCross 0.014" 90 cm Shaft OTW PTA Balloon Catheter is the next generation in PTA Balloon technology from Covidien. Reach your destination with an enhanced OTW 0.014" balloon designed to cross smoothly and deflate quickly.

NanoCross

0.014" 90 cm Shaft OTW PTA Balloon Catheter

Product Catalog Number	Balloon Diameter (mm)	Balloon Length (mm)	Nominal Pressure (atm)	RBP (atm)	Recommended Introducer Sheath (F)
AB14W015020090	1.5	20	10	14	4
AB14W020020090	2.0	20	10	14	4
AB14W020040090	2.0	40	10	14	4
AB14W020080090	2.0	80	10	14	4
AB14W020120090	2.0	120	10	14	4
AB14W020150090	2.0	150	10	14	4
AB14W020210090	2.0 (proximal) / 1.5 (distal)	210	10	14	4
AB14W025020090	2.5	20	10	14	4
AB14W025040090	2.5	40	10	14	4
AB14W025080090	2.5	80	10	14	4
AB14W025120090	2.5	120	10	14	4
AB14W025150090	2.5	150	10	14	4
AB14W025210090	2.5 (proximal) / 2.0 (distal)	210	10	14	4
AB14W030020090	3.0	20	10	14	4
AB14W030040090	3.0	40	10	14	4
AB14W030080090	3.0	80	10	14	4
AB14W030120090	3.0	120	10	14	4
AB14W030150090	3.0	150	10	14	4
AB14W030210090	3.0 (proximal) / 2.5 (distal)	210	10	14	4
AB14W035020090	3.5	20	8	14	4
AB14W035040090	3.5	40	8	14	4
AB14W035080090	3.5	80	8	14	4
AB14W035120090	3.5	120	8	14	4
AB14W035150090	3.5	150	8	14	4
AB14W035210090	3.5 (proximal) / 3.0 (distal)	210	8	14	4
AB14W040020090	4.0	20	7	14	4
AB14W040040090	4.0	40	7	14	4
AB14W040080090	4.0	80	7	14	4
AB14W040120090	4.0	120	7	14	4
AB14W040150090	4.0	150	7	14	4
AB14W040210090	4.0 (proximal) / 3.5 (distal)	210	8	14	4

Each system includes one PTA Balloon Catheter and re-wrap tool.

Specifications Nominal.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts these devices to sale by or on the order of a physician. The NanoCross 0.014" OTW PTA Dilatation Catheter is intended to dilate stenoses in the iliac, femoral, ilio-femoral, popliteal, infra-popliteal, and renal arteries, and for the treatment of obstructive lesions of native or synthetic arteriovenous dialysis fistulae.

Product availability and / or specifications subject to change.

Cragg-McNamara Valved Infusion Catheters have radiopaque markers proximal and distal to the infusion segments. A Cragg-MicroValve at the distal tip provides end-hole occlusion. Cragg-McNamara Catheters are available in a wide variety of side-hole infusion lengths.

Cragg-McNamara Valved Infusion Catheters

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

Sold in single units.

Specifications Nominal.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts these devices to sale by or on the order of a physician. The Cragg-McNamara Infusion Catheter is indicated for use in the controlled selective infusion of physician-specific pharmacological agents or radiopaque contrast media into the general vasculature. The Micro Therapeutics Infusion Catheter is intended to be used for the controlled selective infusion of physician-specified pharmacologic agents or radiopaque contrast media into the general vasculature. All pharmacologic agents utilized with the Micro Therapeutics Infusion Catheter should be fully prepared and used according to the instructions for use of the specific pharmacologic agent. The Micro Therapeutics Infusion Catheter is not intended for coronary, pediatric or neonatal use.

Product availability and / or specifications subject to change.

ProStream Side-hole Infusion Wires are constructed with an integral core wire, stainless steel coil and an outer Teflon layer. The wires are available in a wide variety of side-hole infusion lengths. The ProStream can be used coaxially through 5 F infusion catheters.

ProStream

Side-hole Infusion Wires

Product Catalog Number (1/Box)	Diameter (in)	Usable Length (cm)	Infusion Length (cm)
41272-01	0.035	145	6
41273-01	0.035	145	9
41274-01	0.035	145	12
41276-01	0.035	175	6
41277-01	0.035	175	9
41278-01	0.035	175	12

Sold in single units.

MicroMewi Side-hole Infusion Catheters have radiopaque markers proximal and distal to the infusion segments. A valve at the distal tip provides end-hole occlusion. The catheters are available in a wide variety of side-hole infusion lengths. The MicroMewi can be used coaxially through 5 F infusion catheters.

MicroMewi

Side-hole Infusion Catheters

Product Catalog Number (1/Box)	Diameter (F)	Usable Length (cm)	Infusion Length (cm)	Max. Guidewire (in)
41063-01	2.9	150	5	0.018
41064-01	2.9	150	10	0.018
41066-01	2.9	180	5	0.018
41067-01	2.9	180	10	0.018

Sold in single units.

Specifications Nominal.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts these devices to sale by or on the order of a physician. The ProStream Infusion Wire is indicated for use in the controlled selective infusion of physician-specified pharmacological agents or radiopaque contrast media into the general vasculature. ProStream Multiple Sidehole Infusion Wire. The ProStream Multiple Sidehole Infusion Wire is intended to be used for the controlled selective infusion of physician-specified pharmacologic agents or radiopaque contrast media into the general vasculature. All pharmacologic agents utilized with the ProStream Multiple Sidehole Infusion Wire should be fully prepared and used according to the instructions for use of the specific pharmacologic agent. The ProStream Multiple Sidehole Infusion Wire is not intended for coronary or neurovascular use. Micro Therapeutics Infusion Catheter. The Micro Therapeutics Infusion Catheter is intended to be used for the controlled selective infusion of physician-specified pharmacologic agents or radiopaque contrast media into the general vasculature. All pharmacologic agents utilized with the Micro Therapeutics Infusion Catheter should be fully prepared and used according to the instructions for use of the specific pharmacologic agent. The Micro Therapeutics Infusion Catheter is not intended for coronary, pediatric or neonatal use.

Product availability and / or specifications subject to change.

Rebar Reinforced Micro Catheters are an end-hole, single-lumen catheter designed to be introduced over a steerable guidewire into the vasculature. The catheter has a semi-rigid proximal shaft that transitions into the flexible distal shaft to facilitate the advancement of the catheter in the anatomy. Single or dual radiopaque markers at the distal end facilitate fluoroscopic visualization. The outer surface of the catheter is coated to increase lubricity. The proximal end of the catheter incorporates a standard luer adapter to facilitate the attachment of accessories.

Rebar

Reinforced 18" Micro Catheter

Product Catalog Number (1/Box)	O. D. (F)	Total Length (cm)	Usable Length (cm)	Max. Guidewire (in)
105-5081-130	2.8-2.3	135	130	0.018
105-5081-153*	2.8-2.3	158	153	0.018
105-5083-153	2.8-2.3	158	153	0.018

Sold in single units.

*Dual Marker Band

Rebar

Reinforced 27" Micro Catheter

Product Catalog Number (1/Box)	O. D. (F)	Total Length (cm)	Usable Length (cm)	Max. Guidewire (in)
105-5082-130	2.8-2.8	135	130	0.021
105-5082-145	2.8-2.8	150	145	0.021

Sold in single units.

Introducer Sheaths contain a high side port, a three-way stopcock and a vessel dilator for the temporary, percutaneous introduction of pacing leads or catheters into the vasculature.

Introducer Sheaths

Product Catalog Number (1/Box)	Size (F)	Sheath Length (cm)
41077-01	6	5.5

Sold in single units.

Specifications Nominal.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts these devices to sale by or on the order of a physician. The Rebar Micro Catheter is intended to access peripheral and neuro vasculature for the controlled selective infusion of physician-specified therapeutic agents such as embolization materials and of diagnostic materials such as contrast media. Introducer sheaths are intended for the percutaneous introduction of temporary pacing leads or catheters into the vasculature.

Product availability and / or specifications subject to change.

Amplatz GooseNeck Snare Kit is intended for use in the retrieval of atraumatic foreign bodies. Each kit contains one snare and one catheter. The snare is constructed of Nitinol cable and a gold plated tungsten loop. Because of the snare's pre-formed loop and super-elastic construction, it can be introduced through catheters without risk of Snare deformation. The snare catheter has a platinum-iridium radiopaque marker band. The Amplatz GooseNeck Snare Kit is intended for the cardiovascular and peripheral vascular systems.

Amplatz GooseNeck Snare Kit

Product Catalog Number (1/Box)	Loop Diameter (mm)	Snare Length (mm)	Catheter Size (F)	Catheter Length (cm)
GN500	5	120	4	102
GN1000	10	120	4	102
GN1001	10	65	4	48
GN1500	15	120	6	102
GN2000	20	120	6	102
GN2500	25	120	6	102
GN2501	25	65	6	38
GN3000	30	120	6	102
GN3500	35	120	6	102

Amplatz GooseNeck MicroSnare Kit is intended for the coronary and peripheral vascular system and the extra-cranial neurovascular anatomy.

Amplatz GooseNeck MicroSnare Kit

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

Specifications Nominal.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts these devices to sale by or on the order of a physician. The Amplatz GooseNeck Snare is intended for use in the cardiovascular system or hollow viscus to retrieve and manipulate foreign objects. Manipulation procedures include indwelling venous catheter repositioning, indwelling venous catheter fibrin sheath stripping, and central venous access venipuncture procedure assistance.

Product availability and / or specifications subject to change.

Each **Amplatz GooseNeck Snare Kit** contains one snare and one catheter. The **Snare Replacement Catheters** have a platinum-iridium radiopaque marker band. The Amplatz GooseNeck Snare Kit is intended for the cardiovascular and peripheral vascular systems.

Snare Replacement Catheters

Product Catalog Number (1/Box)	Catheter O.D. (F)	Catheter Length (cm)
MC4000	4	102
MC4001	4	48
MC6000	6	102
MC6001	6	48

Each system includes one snare, one catheter, one introducer, and one torque device.

TrailBlazer Support Catheter is an over-the-wire single lumen catheter with three embedded radiopaque markers, an atraumatic tapered tip, and a 40 cm hydrophilic distal tip coating. The TrailBlazer Support Catheter is designed for high visibility, optimal wire support and ease of lesion entry for crossing chronic total occlusions.

TrailBlazer Support Catheter

Product Catalog Number (1/Box)	Marker Band Spacing (mm)	Guidewire Compatibility (in)	Working Length (cm)
SC-014-135	15	0.014	135
SC-014-150	15	0.014	150
SC-018-190	15	0.018	90
SC-018-135	15	0.018	135
SC-018-150	15	0.018	150
SC-035-065	50	0.035	65
SC-035-090	50	0.035	90
SC-035-135	50	0.035	135
SC-035-150	50	0.035	150

Each system includes 5 catheters.

Specifications Nominal.

Indications, contraindications, warnings, and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts this device to sale by or on the order of a physician.

Product availability and / or specifications subject to change.

Babywire Nitinol Guidewires assist in the placement of initial catheters and exchange of small vessel arterial/venous lines. The Babywire Guidewire is a straight 0.012” nitinol guidewire designed with double-ended round tips and flexible ends. The Babywire Nitinol Guidewires are kink resistant and are true 1:1 torque guidewires constructed of a nitinol core wire with a gold-plated tungsten coil.

Babywire Nitinol Guidewires

Product Catalog Number (10/Box)	Diameter (in)	Length (cm)
BW1200	0.012	18
BW1201	0.012	50

Each system includes 10 Guidewires.

The **Sheath Introducer** provides an optimum delivery mechanism for peripheral arterial access. It is kink resistant with coil reinforced construction and the dilator tip is flexible for predictable pushability.

Sheath Introducer

Product Catalog Number	Size (F)	Guidewire Compatibility (in)	Inner Diameter (F)	Dilator Tip Length (cm)
P9102	7	0.038	7 (2.5 mm)	4.5
P9104	8	0.038	8 (2.9 mm)	4.5

Sold in quantities of 5.

Specifications Nominal.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts these devices to sale by or on the order of a physician. The Babywire Guidewire is intended for assisting in the placement of initial catheters and/or exchange in the small vessel anatomy. The Babywire Guidewire is compatible with a 24-gauge needle or 2 F catheter.

Product availability and / or specifications subject to change.

Nitrex Nitinol Guidewires are intended for use in the peripheral and coronary vasculature. The 0.025" and 0.035" Nitrex Nitinol Guidewires are indicated for use in the peripheral vasculature. The Nitrex Nitinol Guidewires are kink resistant and are true 1:1 torque guidewires constructed of a nitinol core wire with a gold-plated tungsten coil. The wires have proprietary silicone coating for ease in placement. A torque device is packaged with 0.014" through 0.018" Nitrex Nitinol Guidewires.

Nitrex

Nitinol Guidewires

Product Catalog Number (1/Box)	Diameter (in)	Length (cm)	Tip Style	Tip Length (cm)	Tip Shape	Tip Angle (°)
0.014"						
N140801	0.014	80	INT	5	A	15
N141802	0.014	180	INT	5	A	15
N143001	0.014	300	INT	5	A	15
0.018"						
N180601	0.018	60	INT	5	S	0
N180603	0.018	60	INT	7	S	0
N180801	0.018	80	STD	2	S	0
N180802	0.018	80	INT	2	A	15
N181804	0.018	180	STD	2	S	0
N181805	0.018	180	INT	5	A	15
N181806	0.018	180	Flop	20	A	15
N183001	0.018	300	STD	2	S	0
N183002	0.018	300	INT	5	A	15
0.025"						
N251801	0.025	180	INT	8	A	15
N251802	0.025	180	STD	2	S	0
N252601	0.025	260	INT	8	A	15
0.035" Flexible Shaft						
N351451	0.035	145	INT	15	S	0
N351452	0.035	145	INT	15	A	45
N351803	0.035	180	INT	15	S	0
N352601	0.035	260	INT	15	A	45
N354001	0.035	400	INT	15	S	0
0.035" Stiff Shaft						
N350801	0.035	80	INT	9	S	0
N351453	0.035	145	Flop	14	A	45
N351454	0.035	145	INT	9	S	0
N351455	0.035	145	Flop	14	S	0
N351804	0.035	180	INT	9	S	0
N351805	0.035	180	STD	4	A	45
N352602	0.035	260	Flop	14	S	0
N352603	0.035	260	STD	4	A	45
N352604	0.035	260	INT	9	S	0
N353001	0.035	300	INT	9	S	0
N354002	0.035	400	INT	9	S	0

Each system includes 3 guidewires in carrying hoop. Torque devices included on 0.014" and 0.018" wire sizes.

Specifications Nominal.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts these devices to sale by or on the order of a physician. The 0.014" (0.36 mm) and 0.018" (0.46 mm) diameter Nitrex Guidewires are intended for use in the peripheral and coronary vasculature. The 0.025" (0.64 mm) and 0.035" (0.89 mm) diameter Nitrex Nitinol Guidewires are indicated for use in the peripheral vasculature.

Product availability and / or specifications subject to change.

BigEasy Rotating Y-Connector are designed for guiding, positioning and locking guidewires or catheters into place.

BigEasy

Rotating Y-Connector

Product Catalog Number (5/Box)	Description
MVA100	2-Way Adjustable Valve

Each system includes 5 Connectors.

Sequel Rotating Double Y-Connector are designed for guiding, positioning and locking guidewires or catheters into place.

Sequel

Rotating Double Y-Connector

Product Catalog Number (5/Box)	Description
MVA200	3-Way Adjustable Valve

Each system includes 5 Connectors.

Specifications Nominal.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. **CAUTION:** Federal (USA) law restricts these devices to sale by or on the order of a physician. The BigEasy and The Sequel Rotating Y-Connectors are designed for use during Percutaneous Transluminal Coronary Angioplasty (PTCA) and other intervascular therapeutic procedures that utilize a guiding catheter. The Y-Connector provides a means for inserting guidewires or catheters into the vasculature, and positioning and locking them into place. Turning the thumb wheel prevents blood loss and catheter movement.

Product availability and / or specifications subject to change.

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