Medtronic

The Power is in Your Hands

WELCOME TO
PERIPHERAL
POWER.

TO INNOVATE
TO COLLABORATE
TO TREAT

Innovating for life.

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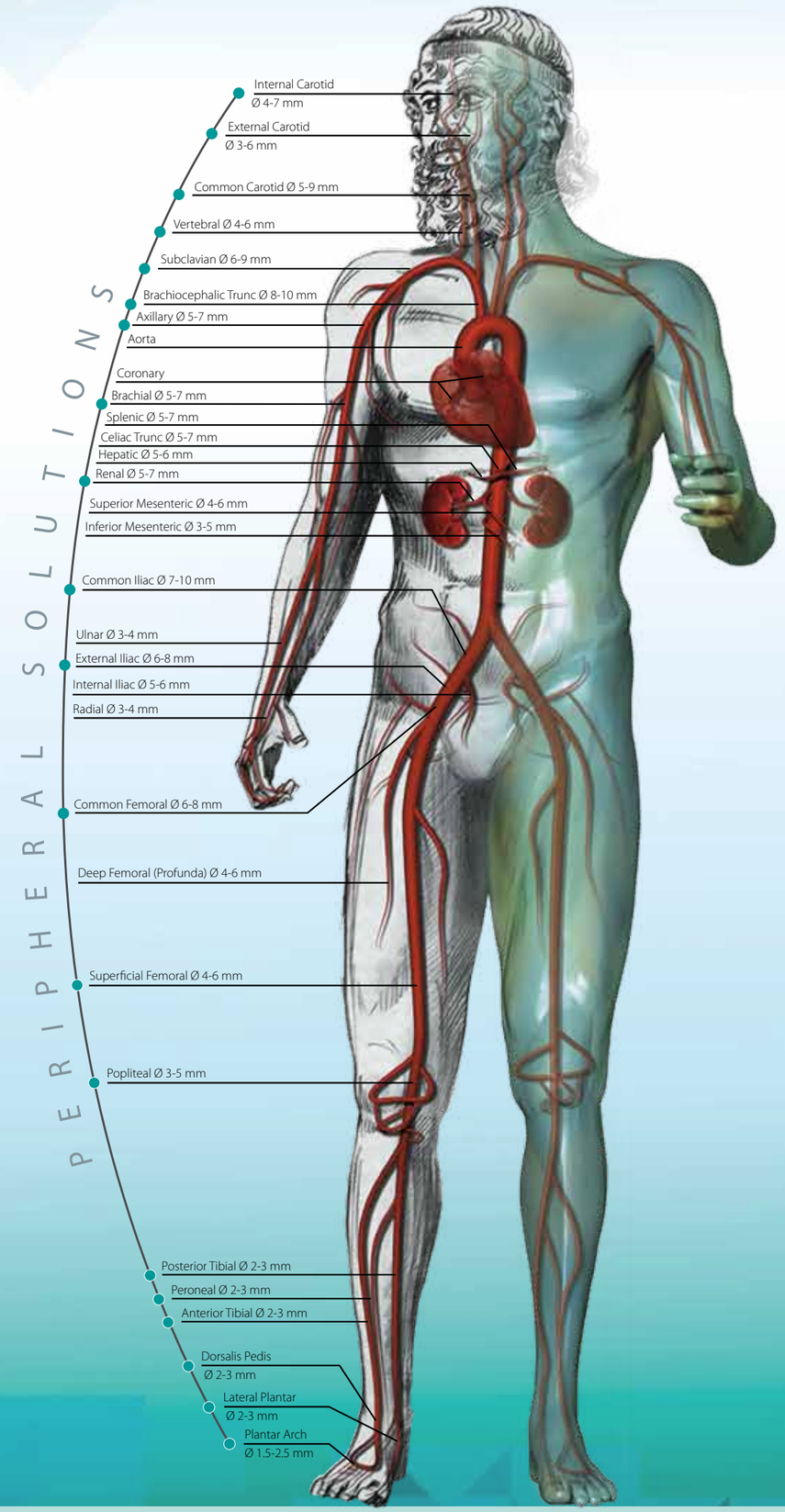

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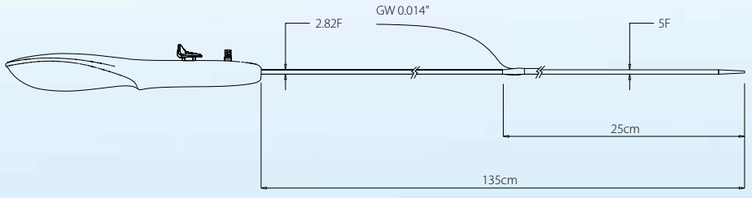
Cristallo Ideale

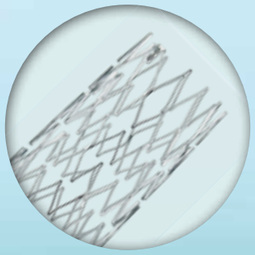
Order information

	Stent Ø (mm)	Stent length (mm)	Target vessel Ø (mm)	Ref. N°
Tapered	6.0/9.0	30	4.5 - 8.0	CRI T69 030 000
	6.0/9.0	40	4.5 - 8.0	CRI T69 040 000
	7.0/10.0	30	5.0 - 9.0	CRI T71 030 000
	7.0/10.0	40	5.0 - 9.0	CRI T71 040 000
Cylindrical	7.00	20	5.0 - 6.5	CRI C07 020 000
	7.00	30	5.0 - 6.5	CRI C07 030 000
	9.00	30	6.5 - 8.0	CRI C09 030 000
	9.00	40	6.5 - 8.0	CRI C09 040 000
	11.00	30	8.0 - 10.0	CRI C11 030 000
	11.00	40	8.0 - 10.0	CRI C11 040 000



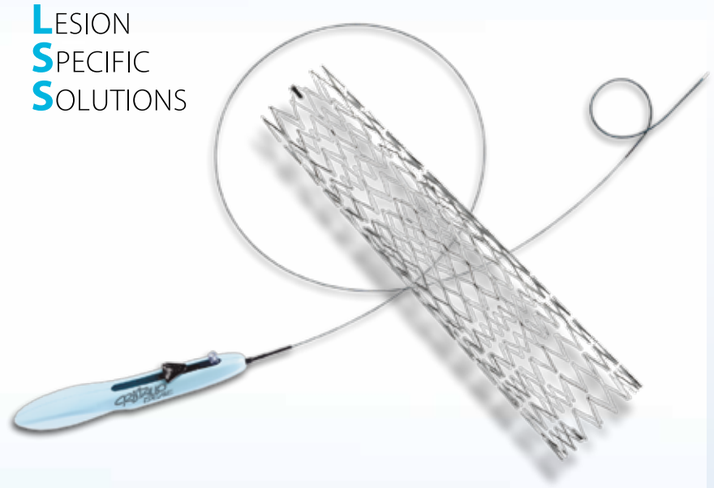
Closed cell area

Picture by Dr. Alberto Cremonesi, Cotignola (RA), Italy



One radiopaque marker positioned inside each end

LESION
SPECIFIC
SOLUTIONS



Cristallo Ideale

CAROTID SELF-EXPANDING STENT SYSTEM

Deliverability and Security

Provides the deliverability of an open cell stent with the security of a closed cell design.

Open cell design

- Open cell design of the proximal and distal sections enhances deliverability while remaining conformable and gentle on the vessel

Closed cell design

- Closed cell design of the central section secures the lesion and holds plaque in place

5F low profile rapid exchange design

- For ease of use

Radiopaque marker

- Positioned inside each end enhances visibility and prevents entrapment of interventional tools when re-crossing the stent

Ergonomic handle

- Enables easy and accurate one-handed deployment

Stent platform

Stent design	Laser cut, multisegmented
Stent material	Nitinol
Stent diameter unconstrained	tapered 6.0-9.0, 7.0-10.0mm cylindrical 7.0, 9.0, 11.0mm
Stent length unconstrained	20 30, 40mm
Strut thickness	160µm
Marker	2 Tantalum stent markers, fully integrated

Delivery system

Catheter design	Rapid Exchange (RX)
Introducer sheath compatibility	5F
Usable shaft length	135cm
Rapid exchange section length	25cm
Recommended guidewire	0.014" (0.36mm)

STENT SYSTEM

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Submarine Rapido

Order information

Balloon diameter (mm)	Balloon length (mm)	RBP (bar)	Usable shaft length (cm)	Guiding catheter compatibility (F)	Distal shaft Ø (F)	Ref. N° shaft length 135 cm
2.00	20	17	135	6	3.0	SBR 020 020 135
2.00	40	17	135	6	3.0	SBR 020 040 135
2.00	60	15	135	6	3.0	SBR 020 060 135
2.50	20	17	135	6	3.0	SBR 025 020 135
2.50	40	17	135	6	3.0	SBR 025 040 135
2.50	60	15	135	6	3.0	SBR 025 060 135
3.00	20	17	135	6	3.0	SBR 030 020 135
3.00	40	17	135	6	3.0	SBR 030 040 135
3.00	60	15	135	6	3.0	SBR 030 060 135
3.00	80	15	135	6	3.0	SBR 030 080 135
3.50	20	17	135	6	3.5	SBR 035 020 135
3.50	30	17	135	6	3.5	SBR 035 030 135
4.00	20	17	135	6	3.5	SBR 040 020 135
4.00	30	17	135	6	3.5	SBR 040 030 135
4.00	40	17	135	6	3.5	SBR 040 040 135
4.50	20	17	135	6	3.5	SBR 045 020 135
4.50	40	17	135	6	3.5	SBR 045 040 135
5.00	20	16	135	6	3.5	SBR 050 020 135
5.00	30	16	135	6	3.5	SBR 050 030 135
5.00	40	16	135	6	3.5	SBR 050 040 135
5.50	20	16	135	6	3.5	SBR 055 020 135
5.50	30	16	135	6	3.5	SBR 055 030 135
5.50	40	16	135	6	3.5	SBR 055 040 135
6.00	20	16	135	6	3.5	SBR 060 020 135
6.00	30	16	135	6	3.5	SBR 060 030 135
6.00	40	16	135	6	3.5	SBR 060 040 135
6.50	20	16	135	7	3.5	SBR 065 020 135
6.50	30	16	135	7	3.5	SBR 065 030 135
6.50	40	16	135	7	3.5	SBR 065 040 135
7.00	20	16	135	7	3.5	SBR 070 020 135
7.00	30	16	135	7	3.5	SBR 070 030 135
7.00	40	16	135	7	3.5	SBR 070 040 135

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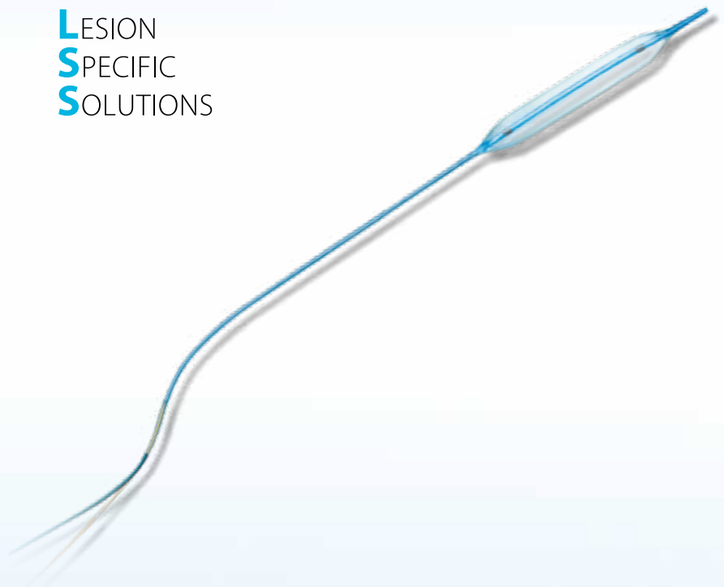
SOLUTIONS



Catheter design	Rapid Exchange (RX)
Balloon material	FLEXITEC™ LP
Balloon coating	Distal shaft and balloon: LFC hydrophilic coating Proximal shaft: PTFE
Balloon marker	2 swaged (zero profile) Platinum Iridium
Shaft diameter	proximal 2.3F, distal 3.0–3.5F
Max. recommended guidewire	0.018" (0.46mm)
Nominal pressure	7 bar

3-fold balloon technology

* All codes with balloon lengths up to 40mm are certified for Carotid application
** Up to 6mm balloon diameter

Submarine Rapido

PTA BALLOON CATHETER RX 0.018"

Low Profile with Strength and Control

Low profile

Compatible with 6F guiding catheter**
- Swaged "zero profile" markers enable easy penetration of the target lesion
- Special 3-folded balloon minimizes the re-wrap profile
- 0.021" tip entry profile to enhance crossability of subocclusive lesions

Strength and control

For Carotid* and Renal interventions, a delicate and high performance PTA is required
- Flexitec™ LP material allows for a wide working range from nominal pressure of 7 bar up to 17 bar RBP
- Controlled balloon compliance for exact sizing and reliable balloon performance

Shaft design

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

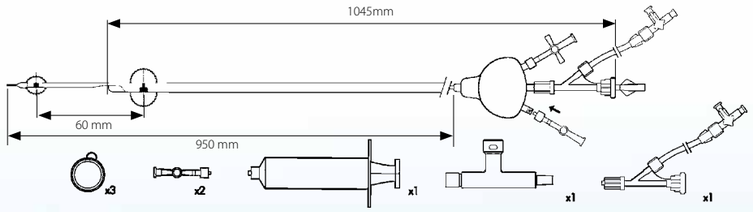
Size mix

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

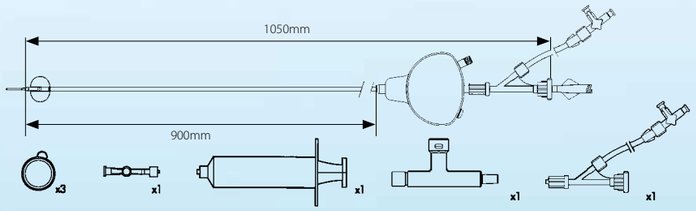
Mo.Ma Ultra

Order information

Minimum sheath size	Inner Ø of the working channel	Ref. N° Double-Balloon
8F	0.069"/ 1.76mm	MOM0130068X5
9F	0.083" / 2.12mm	MOM0130069X6



Minimum sheath size	Inner Ø of the working channel	Ref. N° Mono-Balloon
8F	0.069"/ 1.76mm	MOM0130008X5



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

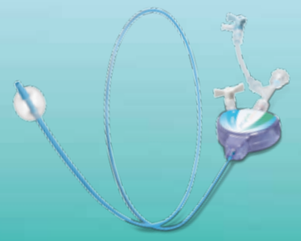
* (Double-Balloon only)

Double-occlusion balloon system

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

Mono-occlusion balloon system

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



Mo.Ma Ultra

PROXIMAL CEREBRAL PROTECTION DEVICE

Full-Time Cerebral Protection and Control

Mo.Ma® Ultra is an innovative, easy-to-use proximal cerebral protection system that provides full-time protection and control during access and intervention.
Established before the internal carotid artery (ICA) lesion is crossed, thereby preventing distal embolization.

Guide-catheter technology

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

Working channel exit port distal to CCA balloon

- Provides lesion access and effective, efficient aspiration of debris[1]

Radiopaque markers

- Centrally located in each balloon for precise positioning and orientation

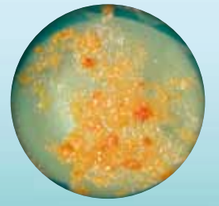
System allows for optimal device selection

- Wires, stents and balloons

High capture efficiency

- Removal of all sizes of debris[2]

1 Data on file at Medtronic.
2 See Instructions for Use for complete procedure requirements.



All sizes of debris will be captured

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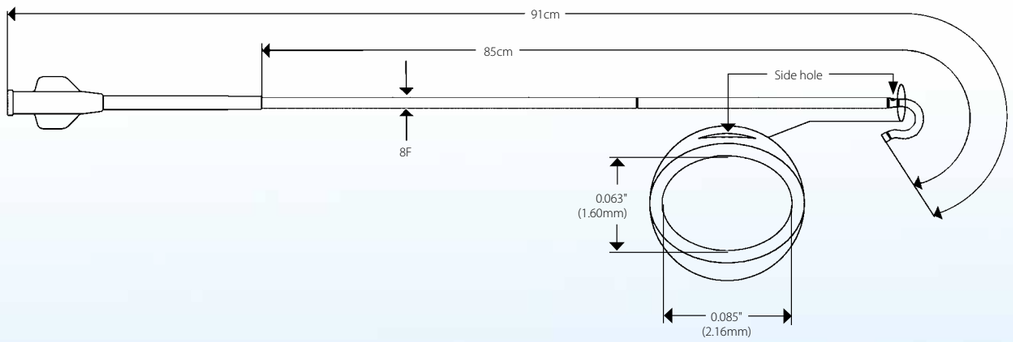
Piton GC

CAROTID GUIDE CATHETER

Order information

Usable length (cm)	Tip curve	Ref. N°
85 cm	Small	PTN8SC063085



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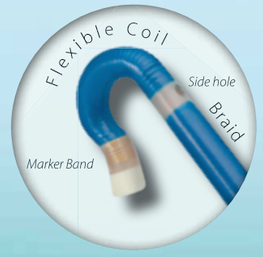
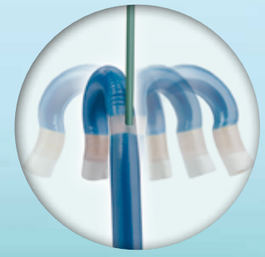
Outer diameter	8F (0.104"/ 2.64mm)
Inner diameter	5F (0.073"/ 1.86mm)
Total catheter length	91cm
Usable catheter length	85cm
Guidewire outer diameter	max. 2 x 0.035" (0.89mm)





Piton GC

CAROTID GUIDE CATHETER

Accessing the Future of CAS Intervention

Double wire approach of supraaortic vessels

- The stiff 0.035" guidewire in the side hole provides strong backup while engaging the external carotid artery with the standard 0.035" guidewire

Braided shaft design

- Enhanced steerability and control

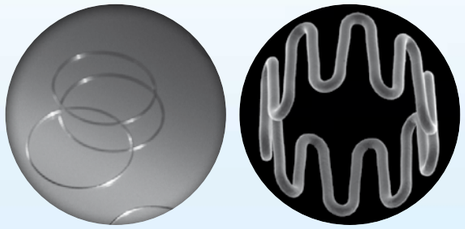
Flexible coiled tip

- For atraumatic ostial engagement

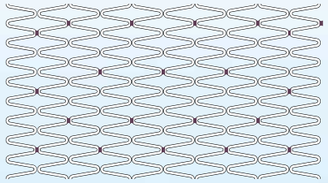
Racer RX

Order information

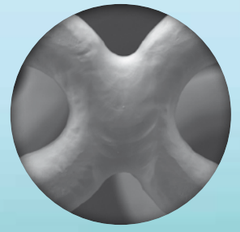
Stent Diameter (mm)	Catheter Length (cm)	Min. Sheath I.D. (F/mm/in.)	Min. Guide I.D. (F/mm/in.)	Ref. N° 12 mm Stent Length	Ref. N° 18 mm Stent Length
4	80	5/1.67/0.065	6/1.68/0.066	RCR412XS	RCR418XS
4	130	5/1.67/0.065	6/1.68/0.066	RCR412XL	RCR418XL
5	80	5/1.67/0.065	6/1.68/0.066	RCR512XS	RCR518XS
5	130	5/1.67/0.065	6/1.68/0.066	RCR512XL	RCR518XL
6	80	5/1.67/0.065	6/1.68/0.066	RCR612XS	RCR618XS
6	130	5/1.67/0.065	6/1.68/0.066	RCR612XL	RCR618XL
7	80	6/2.00/0.079	7/1.90/0.076	RCR712XS	RCR718XS
7	130	6/2.00/0.079	7/1.90/0.076	RCR712XL	RCR718XL



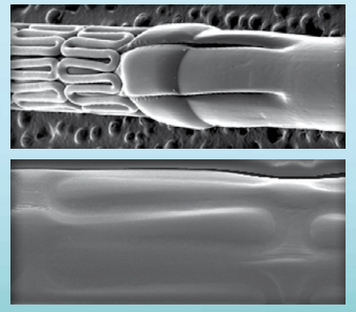
Individual rings created from the cobalt chromium alloy are formed into sinusoidal elements



The elements are laser fused using fusion patterns specifically designed to provide an optimal balance of strength and flexibility for each stent length

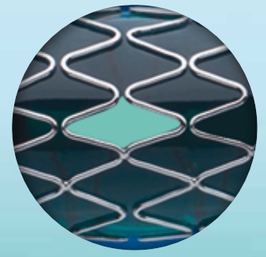


Stents are electropolished to create a smooth, edgeless finish



Our patented Secure Technology stent retention system features distal and proximal pillows that offer added security during delivery

Stent platform	
Stent design	Modular
Stent construction	LASER fused sinuscoidal elements
Stent material	Cobalt Chromium
Stent marker	Gold material
Strut thickness	145µm
Delivery system	
Catheter length	80 and 130cm
Recommended guidewire	0.014"
Introducer sheath compatibility	5F (Ø4-6mm), 6F (Ø7mm)



Smaller cell area is designed to better conform tothe vessel wall and help minimize tissue prolapse

Racer RX

RENAL STENT SYSTEM

Flexibility to get you there.
Strength to keep you there.

The Racer RX renal stent system features an exclusive modular stent design that balances strengthwith predeployment flexibility and conformability to the vessel wall. The Racer RX stent follows the legacy of the Racer stent, the first cobalt chromium stent launched for renal applications.

Advanced cobalt chromium alloy:

- High radial strength with thin struts and a lower profile
- Low recoil for enhanced lumen patency and precise deployment
- Immediate postprocedure MR imaging, under appropriate conditions

Exclusive modular stent design

- Superb predeployment flexibility, requiring minimal force to track the stent into the lesion
- Small cell area and optimal fusion patterns for exceptional lesion coverage and to help minimize tissue prolapse

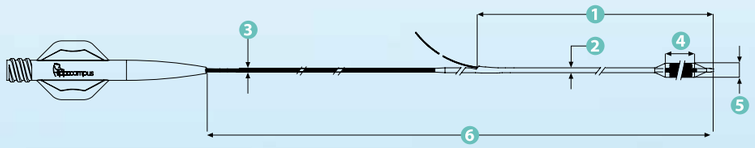
Rapid-exchange delivery system:

- Low crossing profile and true 0.014" guidewire compatibility for easy trackability
- Optimal balloon-stent interface for minimal balloon overhang and added security during delivery

Hippocampus

Order information

Stent inner Ø (mm)	Stent length (mm)	RBP (bar)	Ref. N° Usable length 80 cm	Ref. N° Usable length 145 cm
4.0	10	15	IHP040 100 080	IHP040 100 145
4.0	15	15	IHP040 150 080	IHP040 150 145
4.0	20	15	IHP040 200 080	IHP040 200 145
5.0	10	15	IHP050 100 080	IHP050 100 145
5.0	15	15	IHP050 150 080	IHP050 150 145
5.0	20	15	IHP050 200 080	IHP050 200 145
5.0	24	15	IHP050 240 080	IHP050 240 145
5.5	10	15	IHP055 100 080	IHP055 100 145
5.5	15	15	IHP055 150 080	IHP055 150 145
5.5	20	15	IHP055 200 080	IHP055 200 145
6.0	10	14	IHP060 100 080	IHP060 100 145
6.0	15	14	IHP060 150 080	IHP060 150 145
6.0	20	14	IHP060 200 080	IHP060 200 145
6.0	24	14	IHP060 240 080	IHP060 240 145
6.5	15	14	IHP065 150 080	IHP065 150 145
6.5	20	14	IHP065 200 080	IHP065 200 145
7.0	15	14	IHP070 150 080	IHP070 150 145
7.0	20	14	IHP070 200 080	IHP070 200 145
7.0	24	14	IHP070 240 080	IHP070 240 145



1. RX section, 15cm
2. Distal shaft diameter 3.5F
3. Proximal shaft diameter 2.3F
4. Stent length
5. Stent diameter
6. Usable shaft length

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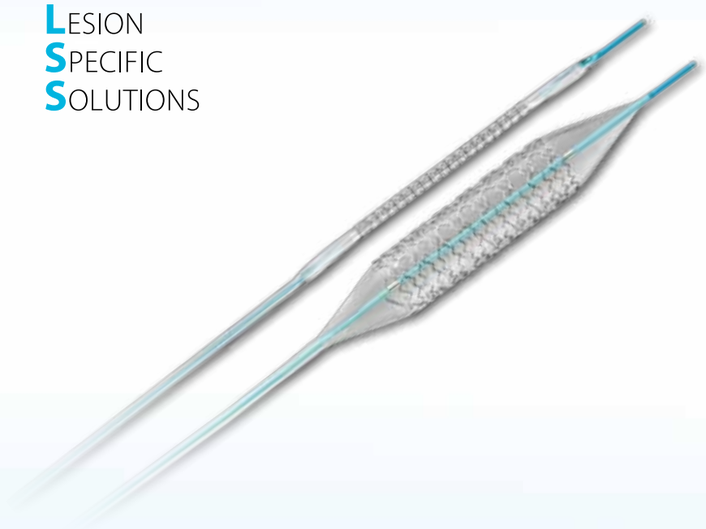
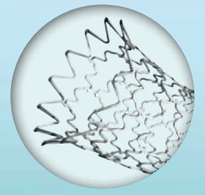
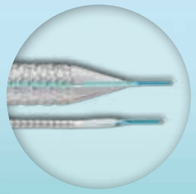


Stent	
Stent design	Closed cell
Stent material	Stainless Steel
Stent diameter	4.0, 5.0, 5.5, 6.0, 6.5, 7.0mm
Stent length	10, 15, 20, 24mm
Strut thickness	165µm
Stent Delivery System	
Catheter design	Rapid Exchange (RX)
Shaft diameter prox./dist.	2.3F / 3.5F
Introducer sheath compatibility	5F
Guiding catheter compatibility	6F (> 0.066")
Usable shaft length	80 and 145cm
Recommended guidewire	0.014" (0.36mm)
Balloon material	FLEXITEC™ HS
Nominal Pressure	8 bar



Ostial Scaffolding



Progressive flexibility

Closed cell design with proximal, ostial flaring capability

Hippocampus

RENAL STENT SYSTEM RX 0.014"

Dedicated to Renal Artery Treatment

Ostial scaffolding capability

- Enables a proper ostial wall apposition and flaring of the stent proximal segment for a safe re-intubation of the ostium

Precise ostial positioning

- Minimal-shortening together with precise alignment of proximal stent position and stent delivery system marker

Enhanced pushability

- Combination of shortened RX segment and NiTi wire reinforcement provide the excellent balance between flexibility and pushability
- Dedicated to renal artery angioplasty

Progressive flexibility on distal balloon segment

- Long tip with long balloon cones provides progressive flexibility from the distal tip over the distal cone to the stent segment
- Reducing the likelihood of straightening out the guidewire by the stent system, which may result in the loss of wire position

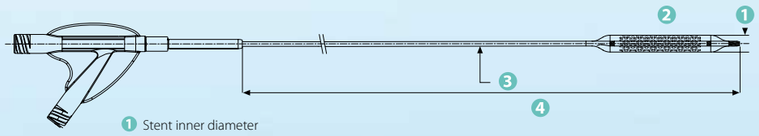
Access possibilities

- Femoral, axiliar, brachial or radial approach with 80cm or 145cm long catheter shaft

Scuba

Order information

Stent inner Ø (mm)	Stent length (mm)	Recom. introducer sheath (F)	NBP (bar)	RBP (bar)	Ref. N° Usable length 80 cm	Ref. N° Usable length 130 cm
5	18	6	9	17	SCA 050 018 080	SCA 050 018 130
5	30	6	9	17	SCA 050 030 080	SCA 050 030 130
5	37	6	9	17	SCA 050 037 080	SCA 050 037 130
5	55	6	9	17	SCA 050 055 080	SCA 050 055 130
6	18	6	9	17	SCA 060 018 080	SCA 060 018 130
6	30	6	9	17	SCA 060 030 080	SCA 060 030 130
6	37	6	9	17	SCA 060 037 080	SCA 060 037 130
6	55	6	9	17	SCA 060 055 080	SCA 060 055 130
7	18	6	9	15	SCA 070 018 080	SCA 070 018 130
7	30	6	9	15	SCA 070 030 080	SCA 070 030 130
7	37	6	9	15	SCA 070 037 080	SCA 070 037 130
7	55	6	9	15	SCA 070 055 080	SCA 070 055 130
7	75	6	9	15	SCA 070 075 080	SCA 070 075 130
8	18	6	9	13	SCA 080 018 080	SCA 080 018 130
8	30	6	9	13	SCA 080 030 080	SCA 080 030 130
8	37	6	9	13	SCA 080 037 080	SCA 080 037 130
8	55	6	9	12	SCA 080 055 080	SCA 080 055 130
8	75	6	9	12	SCA 080 075 080	SCA 080 075 130
9	18	6	9	13	SCA 090 018 080	SCA 090 018 130
9	30	6	9	13	SCA 090 030 080	SCA 090 030 130
9	37	6	9	13	SCA 090 037 080	SCA 090 037 130
9	55	6	9	13	SCA 090 055 080	SCA 090 055 130
10	30	7	8	12	SCA 100 030 080	SCA 100 030 130
10	37	7	8	12	SCA 100 037 080	SCA 100 037 130



1. Stent inner diameter
2. Stent nominal length
3. Shaft diameter
4. Usable shaft length

Innovative stent design to minimize shortening

LESION
SPECIFIC
SOLUTIONS

Scuba

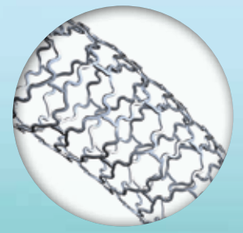
CO-CR PERIPHERAL STENT SYSTEM RX 0.035"

Stent

Stent design	Laser slotted, closed cell
Stent material	Cobalt Chromium
Stent diameter	5.0, 6.0, 7.0, 8.0, 9.0, 10.0mm
Stent length	18, 30, 37, 55, 75mm
Strut thickness	120µm (Ø 5–7mm), 152µm (Ø 8–10mm)

Stent delivery system

Catheter design	Over the Wire (OTW), dual lumen shaft
Shaft diameter	5F
Usable shaft length	80 and 130cm
Introducer sheath compatibility	6F (Ø 5–9mm), 7F (Ø 10mm)
Guidewire compatibility	0.035" (0.89mm)
Balloon material	FLEXITEC™ Xtreme
Nominal pressure	8-9bar



Closed cell design

6-fold balloon

Flexibility and Strength

Innovative stent design

- Thin Co-Cr struts and unique design provide superior device flexibility
- Minimal-shortening grants precise stent positioning
- Closed cell design for tight scaffolding and appropriate radial strength in iliac lesions

Reliable carrier balloon platform

- High performance balloon material Flexitec™ Xtreme provides flexibility, scratch resistance and high pressure deployment
- 6-fold balloon for homogenous stent deployment and safe retrieval of the delivery system

IN.PACT Admiral

Order information

Balloon Ø (mm)	Balloon length (mm)	Recom. introducer sheath (F)	Markers	RBP (bar)	Ref. N° 80 cm shaft length	Ref. N° 130 cm shaft length
4	40	5	2	18	SBI 040 040 08P	SBI 040 040 13P
4	60	5	2	18	SBI 040 060 08P	SBI 040 060 13P
4	80	5	2	18	SBI 040 080 08P	SBI 040 080 13P
4	120	5	2	18	SBI 040 120 08P	SBI 040 120 13P
5	40	6	2	17	SBI 050 040 08P	SBI 050 040 13P
5	60	6	2	17	SBI 050 060 08P	SBI 050 060 13P
5	80	6	2	15	SBI 050 080 08P	SBI 050 080 13P
5	120	6	2	15	SBI 050 120 08P	SBI 050 120 13P
6	40	6	2	17	SBI 060 040 08P	SBI 060 040 13P
6	60	6	2	17	SBI 060 060 08P	SBI 060 060 13P
6	80	6	2	15	SBI 060 080 08P	SBI 060 080 13P
6	120	6	2	15	SBI 060 120 08P	SBI 060 120 13P
7	40	6	2	16	SBI 070 040 08P	SBI 070 040 13P
7	60	6	2	14	SBI 070 060 08P	SBI 070 060 13P
7	80	6	2	14	SBI 070 080 08P	SBI 070 080 13P

The Power of Optimized Drug Delivery

How IN.PACT DEBs work

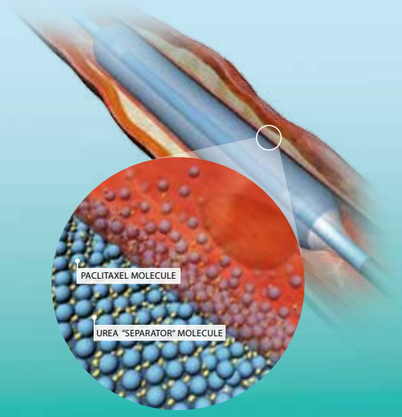
The proprietary FreePac™ urea-paclitaxel coating on IN.PACT DEBs optimizes drug delivery:

– The IN.PACT DEB is delivered to the lesion using state of the art peripheral balloon catheters
– As the balloon unwraps, the FreePac coating is fully exposed and presented to the vessel wall
– Urea molecules in the coating separate and free the paclitaxel molecules, increasing their solubility and facilitating their absorption into the artery

IN.PACT's unique FreePac coating combines urea and paclitaxel molecules into a single compound that provides:

– Increased drug solubility and optimal diffusion into the vessel wall
– Rapid, short-term drug delivery within 30–60 seconds
– Continued antirestenotic protection as paclitaxel stays in the arterial wall for at least 28 days

Paclitaxel is carried across the vessel wall by the urea



LESION
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SOLUTIONS

IN.PACT Admiral

PACLITAXEL ELUTING PTA BALLOON CATHETER 0.035"

The Power of Lesion Specific Solutions

Designed specifically for lower extremity treatments

- SFA de novo and restenotic lesions
- Popliteal de novo and restenotic lesions

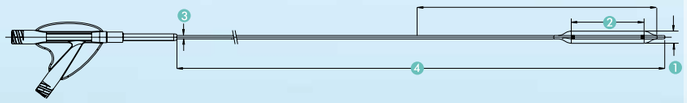
Broad array of diameters and lengths

- Specifically designed for SFA and popliteal arteries

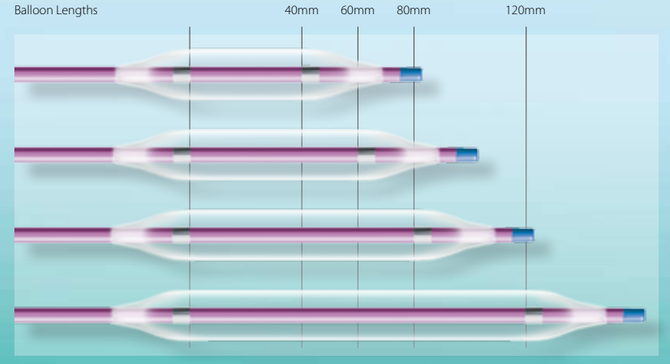
Proven Admiral Xtreme Balloon Platform

- FLEXITEC™ Xtreme balloon material
- 6-fold balloon*
- Superior dual lumen shaft design

Catheter design	Over the Wire (OTW)
Balloon material	FLEXITEC™ Xtreme
Balloon coating	FreePac™ - Paclitaxel eluting formulation
Usable shaft lengths	80 and 130cm
Shaft diameter	5F
Introducer sheath compatibility	5F– 6F
Max. recommended guidewire	0.035"
Nominal pressure	8 bar



1 Balloon nominal diameter
2 Balloon nominal length
3 Shaft diameter
4 Usable shaft length

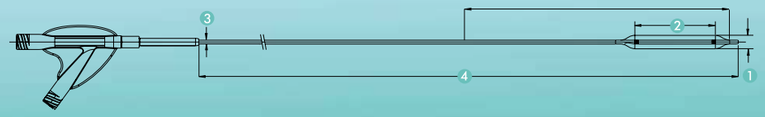


* 6-fold design availability depends on balloon size

Admiral Xtreme

Order information

Balloon Ø (mm)	Balloon length (mm)	Recom. introducer sheath (F)	RBP (bar)	Ref. N° Usable length 80 cm	Ref. N° Usable length 130 cm
3	20	5	18	SBI 030 020 080	SBI 030 020 130
3	40	5	18	SBI 030 040 080	SBI 030 040 130
3	80	5	18	SBI 030 080 080	SBI 030 080 130
3	120	5	18	SBI 030 120 080	SBI 030 120 130
4	20	5	18	SBI 040 020 080	SBI 040 020 130
4	40	5	18	SBI 040 040 080	SBI 040 040 130
4	60	5	18	SBI 040 060 080	SBI 040 060 130
4	80	5	18	SBI 040 080 080	SBI 040 080 130
4	120	5	18	SBI 040 120 080	SBI 040 120 130
4	150	5	14	SBI 040 150 080	SBI 040 150 130
4	200	5	14	SBI 040 200 080	SBI 040 200 130
4	250	5	14	SBI 040 250 080	SBI 040 250 130
4	300	5	14	SBI 040 300 080	SBI 040 300 130
5	20	5	17	SBI 050 020 080	SBI 050 020 130
5	40	5	17	SBI 050 040 080	SBI 050 040 130
5	60	5	17	SBI 050 060 080	SBI 050 060 130
5	80	5	15	SBI 050 080 080	SBI 050 080 130
5	120	5	15	SBI 050 120 080	SBI 050 120 130
5	150	5	14	SBI 050 150 080	SBI 050 150 130
5	200	5	14	SBI 050 200 080	SBI 050 200 130
5	250	5	14	SBI 050 250 080	SBI 050 250 130
5	300	6	14	SBI 050 300 080	SBI 050 300 130
6	20	5	17	SBI 060 020 080	SBI 060 020 130
6	40	5	17	SBI 060 040 080	SBI 060 040 130
6	60	5	17	SBI 060 060 080	SBI 060 060 130
6	80	5	15	SBI 060 080 080	SBI 060 080 130
6	120	5	15	SBI 060 120 080	SBI 060 120 130
6	150	5	12	SBI 060 150 080	SBI 060 150 130
6	200	6	12	SBI 060 200 080	SBI 060 200 130
6	250	6	12	SBI 060 250 080	SBI 060 250 130
6	300	6	12	SBI 060 300 080	SBI 060 300 130
7	20	5	16	SBI 070 020 080	SBI 070 020 130
7	40	5	16	SBI 070 040 080	SBI 070 040 130
7	60	5	14	SBI 070 060 080	SBI 070 060 130
7	80	5	14	SBI 070 080 080	SBI 070 080 130
7	120	6	12	SBI 070 120 080	SBI 070 120 130
7	150	6	12	SBI 070 150 080	SBI 070 150 130
7	200	6	12	SBI 070 200 080	SBI 070 200 130
7	250	6	12	SBI 070 250 080	SBI 070 250 130
8	20	6	14	SBI 080 020 080	SBI 080 020 130
8	40	6	14	SBI 080 040 080	SBI 080 040 130
8	60	6	11	SBI 080 060 080	SBI 080 060 130
8	80	6	11	SBI 080 080 080	SBI 080 080 130
9	20	6	14	SBI 090 020 080	SBI 090 020 130
9	40	6	14	SBI 090 040 080	SBI 090 040 130
9	60	6	11	SBI 090 060 080	SBI 090 060 130
9	80	6	11	SBI 090 080 080	SBI 090 080 130
10	20	6	11	SBI 100 020 080	SBI 100 020 130
10	40	6	11	SBI 100 040 080	SBI 100 040 130
12	20	7	11	SBI 120 020 080	SBI 120 020 130
12	40	7	11	SBI 120 040 080	SBI 120 040 130



1. Balloon nominal diameter
2. Balloon nominal length
3. Shaft diameter
4. Usable shaft length

LESION
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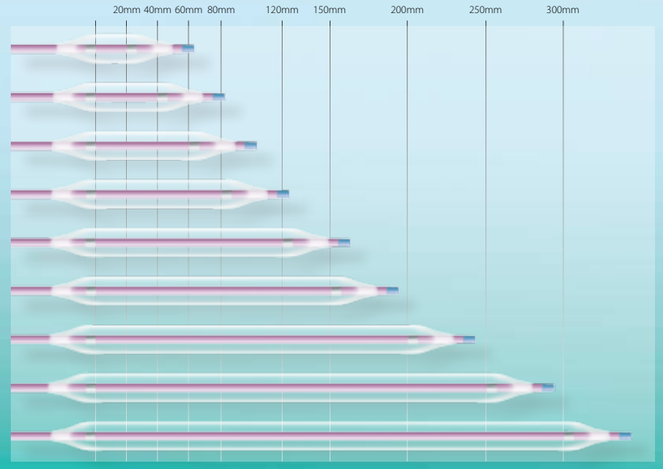
Catheter design	Over the Wire (OTW)
Balloon material	Flexitec™ Xtreme
Balloon coating	LFC Hydrophilic
Balloon marker	2 swaged (zero profile) Platinum Iridium
Shaft diameter	5F–6F
Usable shaft lengths	80 and 130cm
Introducer sheath compatibility	5F–7F
Guidewire compatibility	0.035"



Admiral Xtreme

PTA BALLOON CATHETER OTW 0.035"

Excellent dual lumen shaft design

- Strong pushability and kink resistance, combined with flexibility
- Support for contralateral maneuvers
- Large inflation lumen for fast deflation times

Low balloon profile

- Good refolding behavior
- Effortless lesion crossing

Hydrophilic coating

- Facilitates crossing

FLEXITEC™ Xtreme balloon material

- Reduced balloon wall thickness
- Resistive against scratching
- High rated burst pressures

Broad portfolio with extra lengths

- Up to 300 mm balloon lengths available
- For single dilatation of long lesions
- Proprietary technology prevents "banana" shaped balloon

Assurant Cobalt

Order information

Stent Diameter (mm)	Stent Length (mm)	Minimum Sheath/ Guide Compatibility	Ref. N° 80 cm Catheter Length	Ref. N° 130 cm Catheter Length
6	20	6F	ASC620S	ASC620L
6	30	6F	ASC630S	ASC630L
6	40	6F	ASC640S	
6	60	6F	ASC660S	
7	20	6F	ASC720S	ASC720L
7	30	6F	ASC730S	ASC730L
7	40	6F	ASC740S	
7	60	6F	ASC760S	
8	20	6F	ASC820S	ASC820L
8	30	6F	ASC830S	ASC830L
8	40	6F	ASC840S	
8	60	6F	ASC860S	
9	30	6F	ASC930S	ASC930L
9	40	6F	ASC940S	
9	60	6F	ASC960S	
10	30	6F	ASC1030S	ASC1030L
10	40	6F	ASC1040S	
10	60	6F	ASC1060S	

The Assurant Cobalt iliac stent's modular design starts with an advanced cobalt chromium alloy, which is used to create individual rings that are then formed into sinusoidal elements.
These elements are laser-fused using customised fusion patterns specifically designed to provide an optimal balance of strength and conformability, then electropolished to create a smooth, edgeless finish.
Our patented Secure Technology stent retention system features distal and proximal pillows that offer added security during delivery.

Stent platform	
Stent design	Modular
Stent construction	LASER fused sinuscoidal elements
Stent material	Cobalt Chromium
Stent marker	Gold material
Strut thickness	172µm
Delivery system	
Catheter length	80 and 130cm
Recommended guidewire	0.035"
Introducer sheath compatibility	6F

Assurant Cobalt

ILIAC BALLOON-EXPANDABLE STENT SYSTEM OTW 0.035"

Exclusive Modular Design Provides Greater Conformability

The Assurant Cobalt iliac stent, with its exclusive cobalt chromium modular design, provides excellent conformability compared with laser-cut stents—without sacrificing radial strength.

Ultra-low Crossing Profile

- Ultra-low-profile design makes the stent extremely trackable

Excellent Trackability

- Each stent size features 6F sheath compatibility
- Trackability of the 6F Assurant Cobalt stent system is comparable to competitor performance in 7F sheaths

Smaller Cell Size

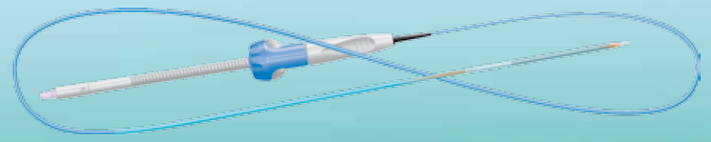
- Smaller, consistent cell size is designed to conform to the vessel wall

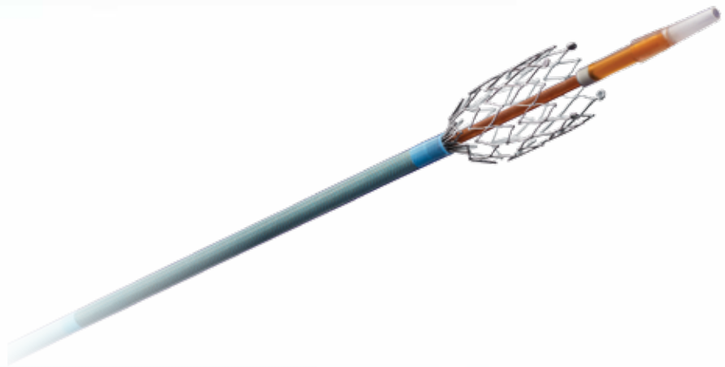
Complete SE

Order information

Stent Diameter (mm)	Catheter Length (cm)	Ref. N° 20 mm Stent Length	Ref. N° 30 mm Stent Length	Ref. N° 40 mm Stent Length	Ref. N° 60 mm Stent Length
4	130	SC420LG	SC430LG	SC440LG	–
5	130	SC520LG	SC530LG	SC540LG	SC560LG
6	130	SC620LG	–	SC640LG	SC660LG
7	80	–	–	SC740FG	SC760FG
7	130	SC720LG	–	SC740LG	SC760LG
8	80	–	–	SC840FG	SC860FG
8	130	SC820LG	–	SC840LG	SC860LG
9	80	–	–	SC940FG	SC960FG
9	130	SC920LG	–	SC940LG	SC960LG
10	80		–	SC1040FG	SC1060FG
10	130	SC1020LG	–	SC1040LG	SC1060LG

Stent Diameter (mm)	Catheter Length (cm)	Ref. N° 80 mm Stent Length	Ref. N° 100 mm Stent Length	Ref. N° 120 mm Stent Length	Ref. N° 150 mm Stent Length
4	130	–	–	–	–
5	130	SC580LG	SC5100LG	SC5120LG	SC5150LG
6	130	SC680LG	SC6100LG	SC6120LG	SC6150LG
7	80	–	–	–	–
7	130	SC780LG	SC7100LG	SC7120LG	SC7150LG
8	80	–	–	–	–
8	130	SC880LG	SC8100LG	SC8120LG	SC8150LG
9	80	–	–	–	–
9	130	SC980LG	–	–	–
10	80	–	–	–	–
10	130	SC1080LG	–	–	–



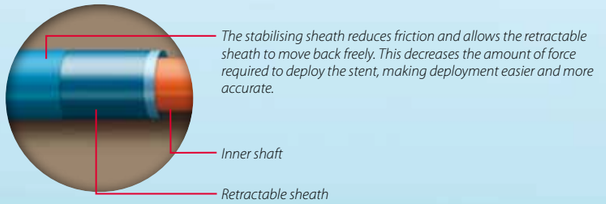


Stent platform

Stent design	Multisegmented
Stent construction	LASER slotted tube
Stent material	NiTi (Nitinol)
Stent marker	4 Tantalum @ each end
Strut thickness	~190µm

Delivery system

Catheter length	80 and 130cm
Recommended guidewire	0.035"
Introducer sheath compatibility	6F



Four tantalum markers enhance visibility

The stent's electropolished finish improves resistance to metal fatigue

Complete SE

ILIAC STENT SYSTEM OTW 0.035"

Deployment and Accuracy Made Easy

The Complete SE iliac stent system offers a flexible, kink-resistant stent that you can deploy smoothly, easily and accurately—even in difficult cases.

Precise, controlled stent release

- Our unique dual-deployment mechanism is intuitive and easy to use,giving you ultimate control during deployment

No unexpected jumping forward during deployment

- The stabilising sheath reduces friction and allows the tractable sheath to move back freely. This decreases the amount of force required to deploy the stent, making deployment easier and more accurate

Optimal kink-resistant stent flexibility

- Three distinct crown configurations and an alternating connection pattern minimise crown-to-crown interaction and provide optimal flexibility, foreshortening and lesion coverage for each stent size

Expanded size matrix

- Our expanded size matrix includes smaller diameters (as small as 4 mm) and longer lengths (up to 150 mm)

6F sheath compatibility

- All stent sizes are 6F sheath-compatible

IN.PACT Pacific

Order information

Balloon diameter (mm)	Balloon length (mm)	Recom. introducer sheath (F)	RBP (bar)	Ref N° 90 cm shaft length	Ref N° 130 cm shaft length
4.00	40	5	20	PCF 040 040 09P	PCF 040 040 13P
4.00	60	5	14	PCF 040 060 09P	PCF 040 060 13P
4.00	80	5	14	PCF 040 080 09P	PCF 040 080 13P
4.00	120	5	14	PCF 040 120 09P	PCF 040 120 13P
5.00	40	5	20	PCF 050 040 09P	PCF 050 040 13P
5.00	60	5	14	PCF 050 060 09P	PCF 050 060 13P
5.00	80	5	14	PCF 050 080 09P	PCF 050 080 13P
5.00	120	5	14	PCF 050 120 09P	PCF 050 120 13P
6.00	40	5	16	PCF 060 040 09P	PCF 060 040 13P
6.00	60	5	14	PCF 060 060 09P	PCF 060 060 13P
6.00	80	5	14	PCF 060 080 09P	PCF 060 080 13P
6.00	120	5	14	PCF 060 120 09P	PCF 060 120 13P
7.00	40	6	12	PCF 070 040 09P	PCF 070 040 13P
7.00	60	6	12	PCF 070 060 09P	PCF 070 060 13P
7.00	80	6	12	PCF 070 080 09P	PCF 070 080 13P
7.00	120	6	12	PCF 070 120 09P	PCF 070 120 13P

The Power of Optimized Drug Delivery

How IN.PACT DEBs work

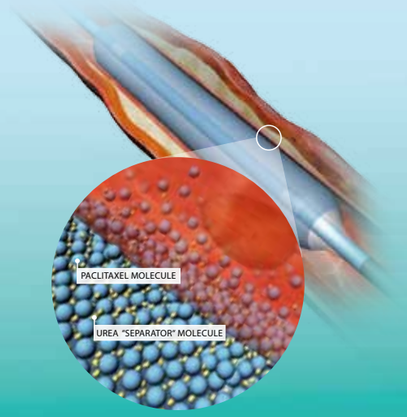
The proprietary FreePac™ urea-paclitaxel coating on IN.PACT DEBs optimizes drug delivery:

– The IN.PACT DEB is delivered to the lesion using state of the art peripheral balloon catheters
– As the balloon unwraps, the FreePac coating is fully exposed and presented to the vessel wall
– Urea molecules in the coating separate and free the paclitaxel molecules, increasing their solubility and facilitating their absorption into the artery

IN.PACT's unique FreePac coating combines urea and paclitaxel molecules into a single compound that provides:

– Increased drug solubility and optimal diffusion into the vessel wall
– Rapid, short-term drug delivery within 30–60 seconds
– Continued antirestenotic protection as paclitaxel stays in the arterial wall for at least 28 days

Paclitaxel is carried across the vessel wall by the urea



LESION
SPECIFIC
SOLUTIONS

IN.PACT Pacific

PACLITAXEL ELUTING PTA BALLOON CATHETER 0.018"

The Power of Lesion Specific Solutions

Designed specifically for lower extremity treatments

- SFA de novo and restenotic lesions
- Popliteal de novo and restenotic lesions

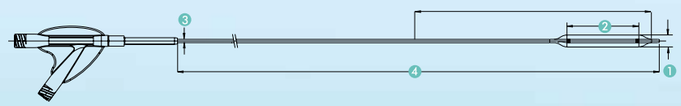
Broad array of diameters and lengths

- Specifically designed for SFA and popliteal arteries

Proven Pacific Xtreme Balloon Platform

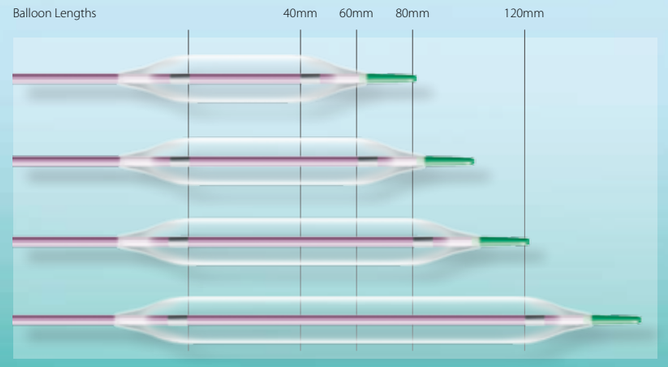
- FLEXITEC™ Xtreme balloon material
- 6-folding balloon (5.0–7.0mm diameter)
- Superb trackability and deliverability

Catheter design	Over the Wire (OTW), coaxial shaft
Balloon material	Flexitec™ Xtreme
Balloon coating	FreePac™ - Paclitaxel eluting formulation
Usable shaft length	90 and 130cm
Shaft diameter	3.9F
Introducer sheath compatibility	5F–6F
Guidewire compatibility	0.018"
Nominal pressure	7 bar



1 Balloon nominal diameter
2 Balloon nominal length
3 Shaft diameter
4 Usable shaft length

Balloon Lengths



Balloon Diameters 4, 5, 6, 7mm

Pacific Xtreme

Order information

Balloon Ø (mm)	Balloon length (mm)	Recom. introducer sheath (F)	Nominal pressure (bar)	RBP (bar)	Ref. N° Usable length 90cm	Ref. N° Usable length 130cm	Ref. N° Usable length 180cm
2.0	20	4	9	25		PCF 020 020 130	
2.0	40	4	9	25	PCF 020 040 090	PCF 020 040 130	PCF 020 040 180
2.0	60	4	9	14	PCF 020 060 090	PCF 020 060 130	
2.0	80	4	9	14	PCF 020 080 090	PCF 020 080 130	PCF 020 080 180
2.0	120	4	9	14	PCF 020 120 090	PCF 020 120 130	PCF 020 120 180
2.0	150	4	9	14	PCF 020 150 090	PCF 020 150 130	PCF 020 150 180
2.5	20	4	7	20	PCF 025 020 090	PCF 025 020 130	
2.5	40	4	7	20	PCF 025 040 090	PCF 025 040 130	PCF 025 040 180
2.5	60	4	7	14	PCF 025 060 090	PCF 025 060 130	
2.5	80	4	7	14	PCF 025 080 090	PCF 025 080 130	PCF 025 080 180
2.5	120	4	7	14	PCF 025 120 090	PCF 025 120 130	PCF 025 120 180
2.5	150	4	7	14	PCF 025 150 090	PCF 025 150 130	PCF 025 150 180
3.0	20	4	7	20	PCF 030 020 090	PCF 030 020 130	
3.0	40	4	7	20	PCF 030 040 090	PCF 030 040 130	PCF 030 040 180
3.0	60	4	7	14	PCF 030 060 090	PCF 030 060 130	
3.0	80	4	7	14	PCF 030 080 090	PCF 030 080 130	PCF 030 080 180
3.0	120	4	7	14	PCF 030 120 090	PCF 030 120 130	PCF 030 120 180
3.0	150	4	7	14	PCF 030 150 090	PCF 030 150 130	PCF 030 150 180
3.5	20	4	7	20	PCF 035 020 090	PCF 035 020 130	
3.5	40	4	7	20	PCF 035 040 090	PCF 035 040 130	
3.5	60	4	7	14	PCF 035 060 090	PCF 035 060 130	
3.5	80	4	7	14	PCF 035 080 090	PCF 035 080 130	
3.5	120	4	7	14	PCF 035 120 090	PCF 035 120 130	
3.5	150	4	7	14	PCF 035 150 090	PCF 035 150 130	
4.0	20	4	7	20	PCF 040 020 090	PCF 040 020 130	
4.0	40	4	7	20	PCF 040 040 090	PCF 040 040 130	PCF 040 040 180
4.0	60	4	7	14	PCF 040 060 090	PCF 040 060 130	
4.0	80	4	7	14	PCF 040 080 090	PCF 040 080 130	PCF 040 080 180
4.0	120	4	7	14	PCF 040 120 090	PCF 040 120 130	PCF 040 120 180
4.0	150	4	6	14	PCF 040 150 090	PCF 040 150 130	PCF 040 150 180
4.0	200	4	6	14	PCF 040 200 090	PCF 040 200 130	
4.0	250	4	6	14	PCF 040 250 090	PCF 040 250 130	
4.0	300	4	6	14	PCF 040 300 090	PCF 040 300 130	
4.5	20	4	7	20	PCF 045 020 090	PCF 045 020 130	
4.5	40	4	7	20	PCF 045 040 090	PCF 045 040 130	
4.5	60	4	7	14	PCF 045 060 090	PCF 045 060 130	
4.5	80	4	7	14	PCF 045 080 090	PCF 045 080 130	
4.5	120	4	7	14	PCF 045 120 090	PCF 045 120 130	
4.5	150	4	6	14	PCF 045 150 090	PCF 045 150 130	
5.0	20	4	7	20	PCF 050 020 090	PCF 050 020 130	
5.0	40	4	7	20	PCF 050 040 090	PCF 050 040 130	PCF 050 040 180
5.0	60	4	7	14	PCF 050 060 090	PCF 050 060 130	
5.0	80	4	7	14	PCF 050 080 090	PCF 050 080 130	PCF 050 080 180
5.0	120	4	7	14	PCF 050 120 090	PCF 050 120 130	PCF 050 120 180
5.0	150	4	6	14	PCF 050 150 090	PCF 050 150 130	PCF 050 150 180
5.0	200	4	6	14	PCF 050 200 090	PCF 050 200 130	
5.0	250	5	6	14	PCF 050 250 090	PCF 050 250 130	
5.0	300	5	6	14	PCF 050 300 090	PCF 050 300 130	
6.0	20	4	7	16	PCF 060 020 090	PCF 060 020 130	
6.0	40	4	7	16	PCF 060 040 090	PCF 060 040 130	PCF 060 040 180
6.0	60	4	7	14	PCF 060 060 090	PCF 060 060 130	
6.0	80	4	7	14	PCF 060 080 090	PCF 060 080 130	PCF 060 080 180
6.0	120	4	7	14	PCF 060 120 090	PCF 060 120 130	PCF 060 120 180
6.0	150	5	6	12	PCF 060 150 090	PCF 060 150 130	
6.0	200	5	6	12	PCF 060 200 090	PCF 060 200 130	
6.0	250	5	6	12	PCF 060 250 090	PCF 060 250 130	
6.0	300	5	6	12	PCF 060 300 090	PCF 060 300 130	
7.0	20	4	7	12	PCF 070 020 090	PCF 070 020 130	
7.0	40	4	7	12	PCF 070 040 090	PCF 070 040 130	PCF 070 040 180
7.0	60	4	7	12	PCF 070 060 090	PCF 070 060 130	
7.0	80	5	7	12	PCF 070 080 090	PCF 070 080 130	PCF 070 080 180
7.0	120	5	7	12	PCF 070 120 090	PCF 070 120 130	PCF 070 120 180
7.0	150	5	6	12	PCF 070 150 090	PCF 070 150 130	
7.0	200	5	6	12	PCF 070 200 090	PCF 070 200 130	
7.0	250	5	6	12	PCF 070 250 090	PCF 070 250 130	

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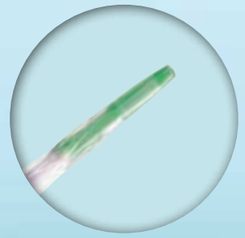
Catheter design	Over the wire (OTW), coaxial shaft
Balloon material	Flexitec™ Xtreme
Balloon coating	LFC Hydrophilic
Balloon marker	2 swaged, Platinum Iridium
Shaft diameter	3.9F – 4.2F
Usable shaft length	90, 130, 180cm
Guidewire compatibility	0.018"

6-fold balloon



tapered tip

Pacific Xtreme

PTA BALLOON CATHETER OTW 0.018"

The Essence of Intelligent Ideas...

- Wide range of balloon lengths (20–300mm) and diameters (2.0–7.0mm)
- Balanced deliverability and extreme RBPs
- Shaft material enables strong pushability and kink resistance, combined with excellent flexibility
  - Low Crossing Profile
  - Superb trackability
  - Tapered tip profile aids in lesion crossing
- 6-folded balloon allows for low crossing profile, re-wrap and safe retrieval even after multiple inflations*
- Low profile 4F introducer sheath compatibility for less possible puncture trauma**
- Availability of an 180cm shaft length version
- FLEXITEC™ Xtreme balloon material provides improved flexibility while maintaining high RBPs

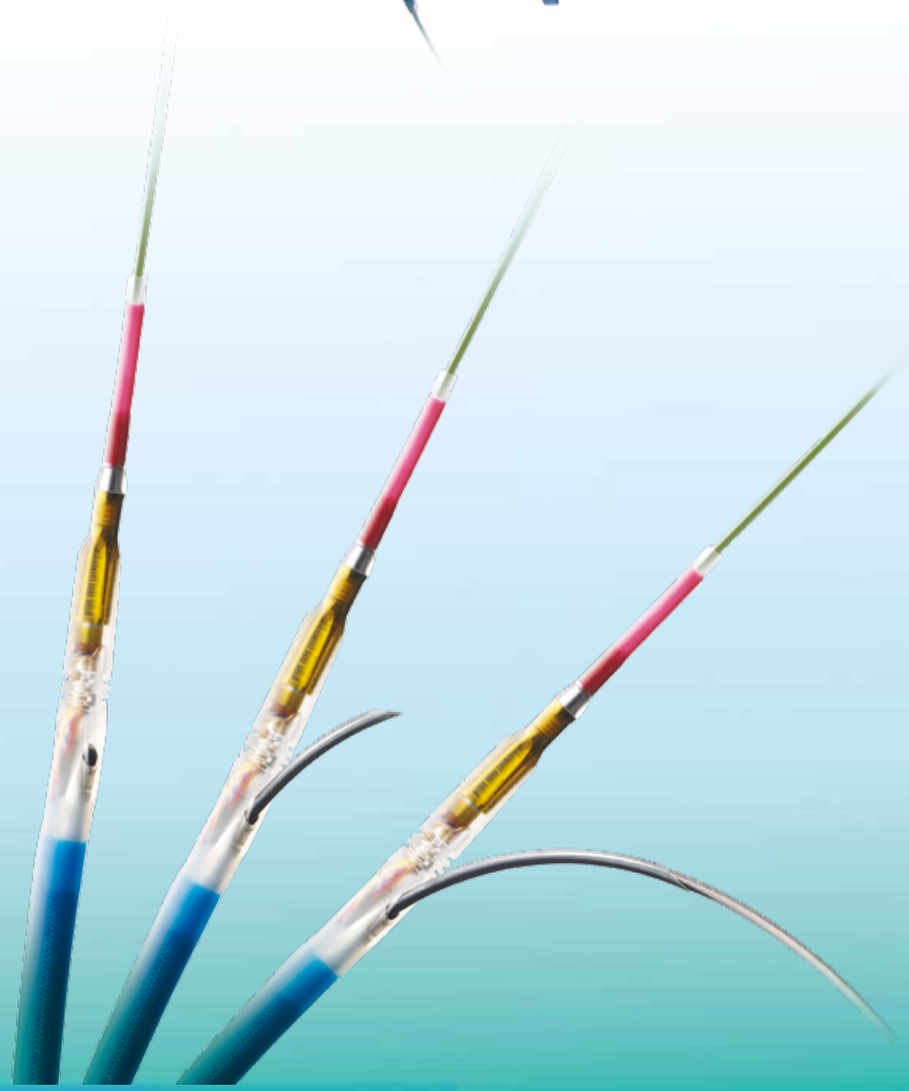
* 6-fold design available in balloon diameters 4.5–7.0mm (except for balloon lengths 150/200/250/300mm)

** 4F/5F depending on balloon size

Pioneer Plus

Order information

Catheter Length (cm)	Ref. N°
120	PPLUS120



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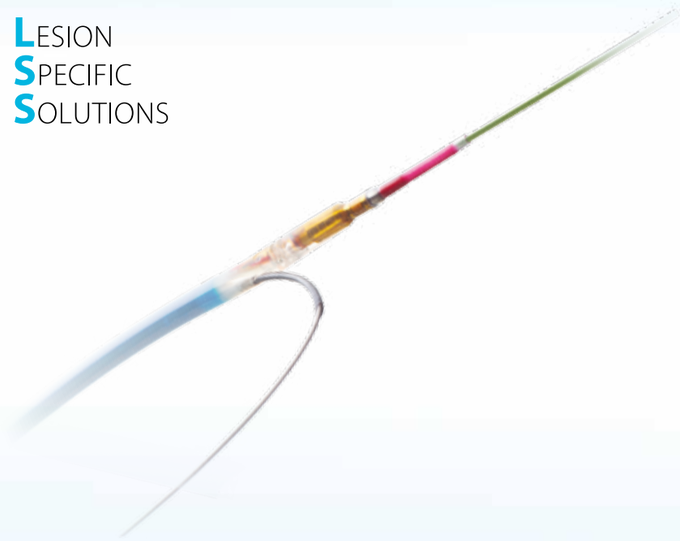
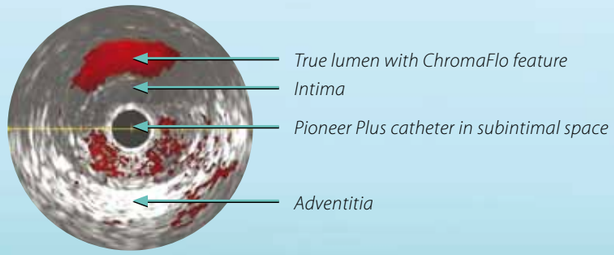


Sheath compatibility	6 F (0.087", 2.2 mm)
Tracking guidewire	0.014"
Needle guidewire	0.014"
Catheter length	120 cm



Pioneer Plus

DIAGNOSTIC ULTRASOUND TRANSDUCER
AND PERCUTANEOUS CATHETER

Quick, Confident, Controlled True Lumen Reentry

Compatibility

- 6 F sheath compatibility
- Recommended Medtronic guidewires: Cougar® steerable guidewire (needle lumen) and Thunder guidewire (RX lumen)

IVUS Transducer

- Offers enhanced imaging for diagnosis and targeting

Needle

- Curved-needle housing to enable targeting
- Designed for easier penetration
- Adjustable needle depth (3 mm, 5 mm and 7 mm)

Triple-braided shaft

- for enhanced trackability, torque control and needle movement

Intuitive, easy-to-use handle

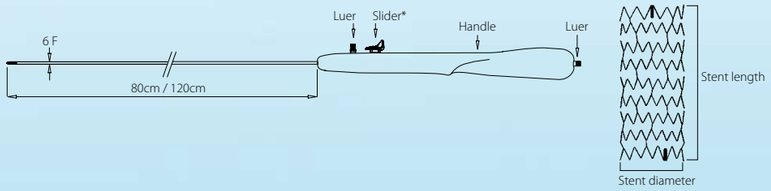
- allows for single-handed deployment of needle
- Thumb-activated safety lock for ease of use

Maris Plus

Order information

Stent Ø (mm)	Shaft length (cm)	Recom. vessel Ø (mm)	Ref N° 30 mm stent length	Ref N° 40 mm stent length	Ref N° 60 mm stent length	Ref N° 80 mm stent length
6	80	4.0 - 5.0	MRP 060 030 080	MRP 060 040 080	MRP 060 060 080	MRP 060 080 080
7	80	5.0 - 6.0	MRP 070 030 080	MRP 070 040 080	MRP 070 060 080	MRP 070 080 080
8	80	6.0 - 7.0	MRP 080 030 080	MRP 080 040 080	MRP 080 060 080	MRP 080 080 080
9	80	7.0 - 8.0	MRP 090 030 080	MRP 090 040 080	MRP 090 060 080	MRP 090 080 080
10	80	8.0 - 9.0	MRP 100 030 080	MRP 100 040 080	MRP 100 060 080	MRP 100 080 080
12	80	10.0 - 11.0	MRP 120 030 080	MRP 120 040 080	MRP 120 060 080	MRP 120 080 080
6	120	4.0 - 5.0	MRP 060 030 120	MRP 060 040 120	MRP 060 060 120	MRP 060 080 120
7	120	5.0 - 6.0	MRP 070 030 120	MRP 070 040 120	MRP 070 060 120	MRP 070 080 120
8	120	6.0 - 7.0	MRP 080 030 120	MRP 080 040 120	MRP 080 060 120	MRP 080 080 120
9	120	7.0 - 8.0	MRP 090 030 120	MRP 090 040 120	MRP 090 060 120	MRP 090 080 120
10	120	8.0 - 9.0	MRP 100 030 120	MRP 100 040 120	MRP 100 060 120	MRP 100 080 120
12	120	10.0 - 11.0	MRP 120 030 120	MRP 120 040 120	MRP 120 060 120	MRP 120 080 120

Stent Ø (mm)	Shaft length (cm)	Recom. vessel Ø (mm)	Ref N° 100 mm stent length	Ref N° 120 mm stent length	Ref N° 150 mm stent length
6	80	4.0 - 5.0	MRP 060 100 080	MRP 060 120 080	MRP 060 150 080
7	80	5.0 - 6.0	MRP 070 100 080	MRP 070 120 080	MRP 070 150 080
8	80	6.0 - 7.0	MRP 080 100 080	MRP 080 120 080	MRP 080 150 080
9	80	7.0 - 8.0	MRP 090 100 080		
10	80	8.0 - 9.0	MRP 100 100 080		
6	120	4.0 - 5.0	MRP 060 100 120	MRP 060 120 120	MRP 060 150 120
7	120	5.0 - 6.0	MRP 070 100 120	MRP 070 120 120	MRP 070 150 120
8	120	6.0 - 7.0	MRP 080 100 120	MRP 080 120 120	MRP 080 150 120
9	120	7.0 - 8.0	MRP 090 100 120		
10	120	8.0 - 9.0	MRP 100 100 120		



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Maris Plus

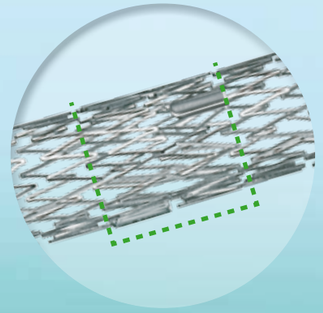
PERIPHERAL SELF-EXPANDING STENT SYSTEM OTW 0.035"

Stent

Stent design	Laser cut, multisegmented
Stent material	Nitinol
Stent diameter unconstrained	6.0, 7.0, 8.0, 9.0, 10.0, 12.0mm
Stent length unconstrained	30, 40, 60, 80, 100, 120, 150mm
Strut thickness	170µm
Marker	2 Tantalum stent markers, fully integrated

Stent Delivery System

Catheter design	Over the wire (OTW)
Introducer sheath compatibility	6F
Usable shaft length	80 and 120cm
Guidewire compatibility	0.035" (0.89mm)



Exclusive overlap region

Conformable stent design

Tailor Your Stent to the Lesion

The Maris Plus "overlap region"

to keep the flexibility and radial force constant in the segment, where the implanted stents are overlapping.

Whereas in conventional NiTi stents the overlap zone may lead to an increased radial force, in the Maris Plus stent with exclusive overlap region the radial force will be kept nearly constant in this segment.

Tailored...

... lengths

- Exclusive overlap region allows two stents to act like one
- Broad line of length combinations cover 30 to 290mm

... conformability

- Dedicated geometries for SFA and iliac

... flexibility

- Flexible tip design for device tracking
- Highly flexible stent design
- Tested fracture resistance

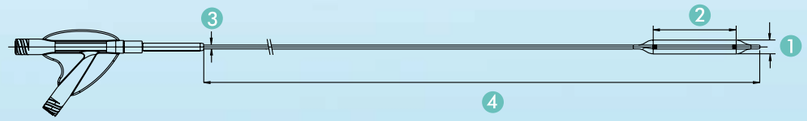
... deployment

- New generation delivery system
- Radiopaque tip
- Excellent marker visibility

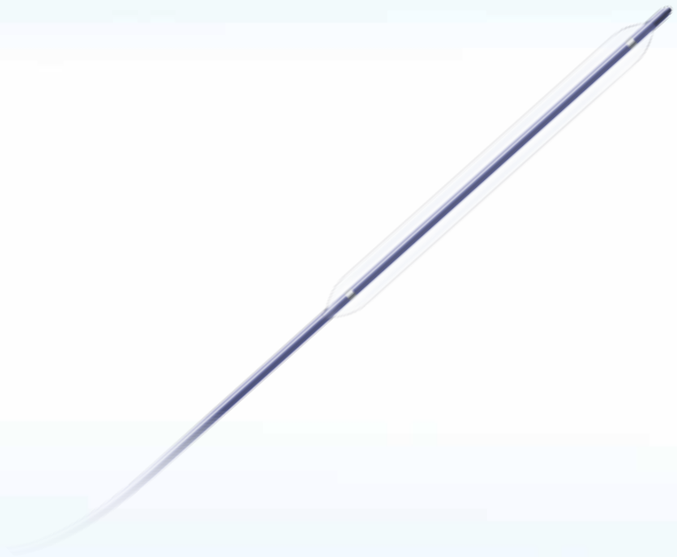
Reef HP

Order information

Balloon diameter (mm)	Balloon length (mm)	RBP (bar)	Introducer sheath compatibility (F)	Ref N° 50 cm shaft length	Ref N° 80 cm shaft length	Ref N° 120 cm shaft length
4.0	20	22	5	REU040020052	REU040020082	REU040020122
4.0	30	22	5	REU040030052	REU040030082	REU040030122
4.0	40	22	5	REU040040052	REU040040082	REU040040122
4.0	60	22	5	REU040060052	REU040060082	REU040060122
4.0	80	22	5	REU040080052	REU040080082	REU040080122
5.0	20	22	5	REU050020052	REU050020082	REU050020122
5.0	30	22	5	REU050030052	REU050030082	REU050030122
5.0	40	22	5	REU050040052	REU050040082	REU050040122
5.0	60	22	5	REU050060052	REU050060082	REU050060122
5.0	80	22	5	REU050080052	REU050080082	REU050080122
6.0	20	22	5	REU060020052	REU060020082	REU060020122
6.0	30	22	5	REU060030052	REU060030082	REU060030122
6.0	40	22	5	REU060040052	REU060040082	REU060040122
6.0	60	22	5	REU060060052	REU060060082	REU060060122
6.0	80	22	5	REU060080052	REU060080082	REU060080122
7.0	20	20	6	REU070020052	REU070020082	REU070020122
7.0	30	20	6	REU070030052	REU070030082	REU070030122
7.0	40	20	6	REU070040052	REU070040082	REU070040122
7.0	60	20	6	REU070060052	REU070060082	REU070060122
7.0	80	20	6	REU070080052	REU070080082	REU070080122
8.0	20	20	6	REU080020052	REU080020082	REU080020122
8.0	30	20	6	REU080030052	REU080030082	REU080030122
8.0	40	20	6	REU080040052	REU080040082	REU080040122
8.0	60	18	7	REU080060052	REU080060082	REU080060122
8.0	80	18	7	REU080080052	REU080080082	REU080080122

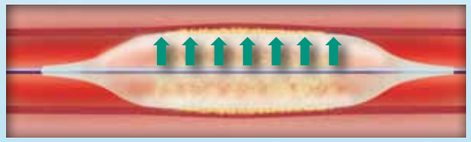


1. Balloon nominal diameter
2. Balloon nominal length
3. Shaft dia meter
4. Usable shaft length



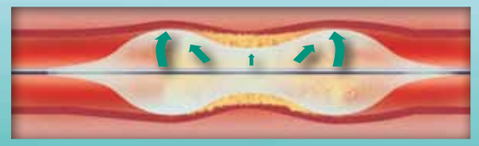
Catheter design	Over the wire (OTW)
Balloon material	Flexitec™ XF
Balloon marker	2 swaged (zero profile) Platinum Iridium
Usable shaft lengths	50, 80 and 120cm
Shaft diameter	5 F
Introducer sheath compatibility	5F–7F
Nominal pressure	10 bar
Guidewire compatibility	0.035"

REEF HP: Low-compliant angioplasty



- *Shape retention*
- *Uniform dilating force*

Standard PTA Balloon: Semi-compliant angioplasty



- *Dog bone effect*
- *Less dilating force at lesion*
- *Risk of dissection at the balloon edges*

Reef HP

PTA BALLOON CATHETER OTW 0.035"

Control under Pressure

High pressure strength and performance designed specifically for your high pressure procedures

Flexitec™ XF Xtra Force utilizes advanced balloon polymer technology to deliver up to 22 atm for controlled high pressure procedures

- High pressure strength, with controlled low-compliance, enables dilatation of resistive lesions

Low profile tip and balloon design enables excellent crossability

- 5F compatible (up to 6mm diameter) allows small access site
- 6-folding* balloon technology provides consistent low profile crossability and re-wrap

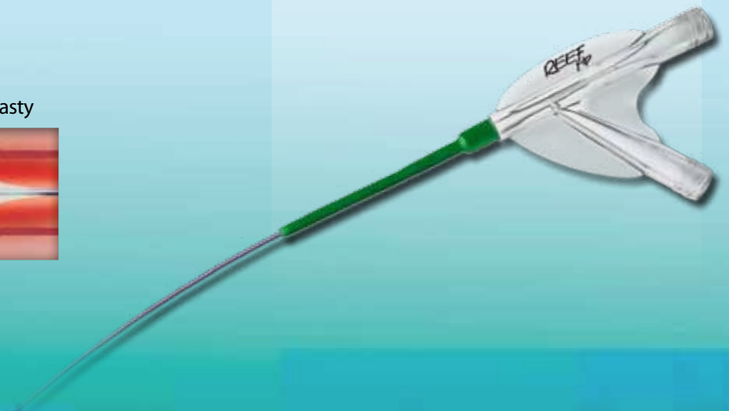
5F dual lumen shaft for controlled pushability and kink resistance

Availability of

- 50cm shaft suitable for AV-shunt treatment
- 80 / 120cm shaft for peripheral application

Wide range of balloon lengths (from 20–80mm) and diameters (from 4.0–8.0mm)

* 6-folding construction available only for balloon diameter from 5.0–8.0mm



BALLOON CATHETER

IN.PACT Amphirion

Order information

Balloon Ø (mm)	Balloon length (mm)	Recom. introducer sheath (F)	RBP (bar)	Ref. N° 120 cm shaft length	Ref. N° 150 cm shaft length
2.00	40	4	15	AMD 020 040 00P	AMD 020 040 15P
2.00	80	4	14	AMD 020 080 00P	AMD 020 080 15P
2.00	120	4	14	AMD 020 120 00P	AMD 020 120 15P
2.50	40	4	16	AMD 025 040 00P	AMD 025 040 15P
2.50	80	4	15	AMD 025 080 00P	AMD 025 080 15P
2.50	120	4	14	AMD 025 120 00P	AMD 025 120 15P
3.00	40	4	16	AMD 030 040 00P	AMD 030 040 15P
3.00	80	4	15	AMD 030 080 00P	AMD 030 080 15P
3.00	120	4	14	AMD 030 120 00P	AMD 030 120 15P
3.50	40	4	16	AMD 035 040 00P	AMD 035 040 15P
3.50	80	4	15	AMD 035 080 00P	AMD 035 080 15P
3.50	120	4	14	AMD 035 120 00P	AMD 035 120 15P
4.00	40	4	16	AMD 040 040 00P	AMD 040 040 15P
4.00	80	4	15	AMD 040 080 00P	AMD 040 080 15P
4.00	120	4	14	AMD 040 120 00P	AMD 040 120 15P

The Power of Optimized Drug Delivery

How IN.PACT DEBs work

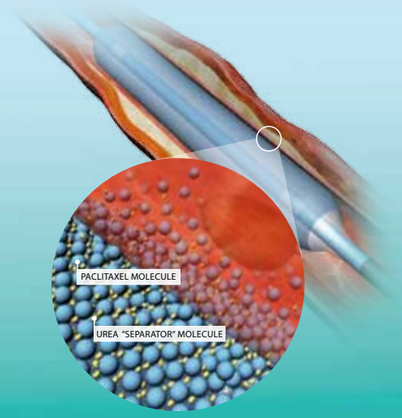
The proprietary FreePac™ urea-paclitaxel coating on IN.PACT DEBs optimizes drug delivery:

– The IN.PACT DEB is delivered to the lesion using state of the art peripheral balloon catheters
– As the balloon unwraps, the FreePac coating is fully exposed and presented to the vessel wall
– Urea molecules in the coating separate and free the paclitaxel molecules, increasing their solubility and facilitating their absorption into the artery

IN.PACT's unique FreePac coating combines urea and paclitaxel molecules into a single compound that provides:

– Increased drug solubility and optimal diffusion into the vessel wall
– Rapid, short-term drug delivery within 30–60 seconds
– Continued antirestenotic protection as paclitaxel stays in the arterial wall for at least 28 days

Paclitaxel is carried across the vessel wall by the urea



LESION
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SOLUTIONS

IN.PACT Amphirion

PACLITAXEL ELUTING PTA BALLOON CATHETER 0.014"

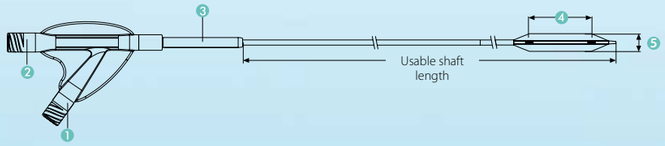
The Power of Lesion Specific Solutions

Designed specifically for lower extremity treatments
- BtK de novo and restenotic lesions

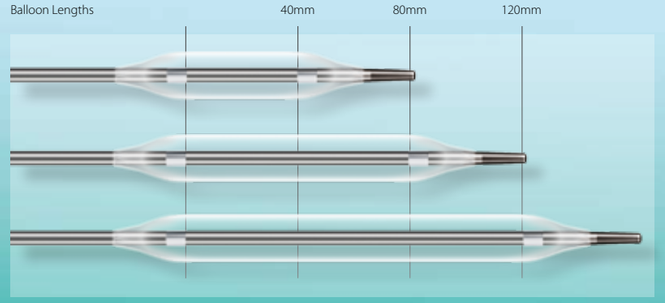
Broad array of diameters and lengths
- Specifically designed for BtK arteries

Proven Amphirion Deep Balloon Platform
- FLEXITEC™ Ultra balloon material
- 4F compatible for all sizes
- Low profile
- Kink resistant shaft material

Catheter design	Over the Wire (OTW)
Balloon material	FLEXITEC™ Ultra
Balloon coating	FreePac™- Paclitaxel eluting formulation
Usable shaft lengths	120 and 150cm*
Shaft diameter	proximal 3.3F for 120 cm shaft length 3.9F for 150 cm shaft length middle 3.3F distal 2.8F
Introducer sheath comp.	4F
Guiding catheter comp.	5F (I.D. >0.056")
Max. recom. guidewire	0.014"
Nominal pressure	7 bar



1 Balloon inflation port
2 Guidewire port
3 Kink protection
4 Balloon length
5 Balloon diameter

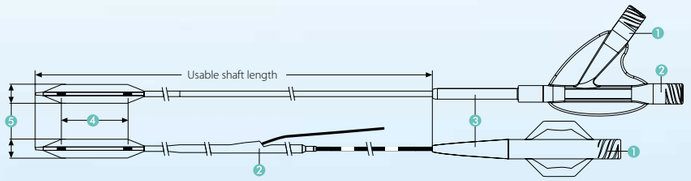


Balloon Diameters 2.0, 2.5, 3.0, 3.5, 4.0mm

Amphirion Deep

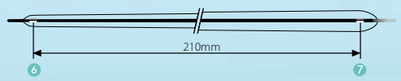
Order information

Balloon Ø (mm)	Balloon length (mm)	Markers	RBP (bar)	OTW - Ref. N° 120cm shaft length	OTW - Ref. N° 150cm shaft length	RX - Ref. N° 150cm shaft length
1.50	20	1	14	AMD 015 020 001	AMD 015 020 151	–
1.50	20	2	14	AMD 015 020 002	AMD 015 020 152	–
2.00	40	2	15	AMD 020 040 002	AMD 020 040 152	AMD 020 040 RX2
2.00	80	2	14	AMD 020 080 002	AMD 020 080 152	AMD 020 080 RX2
2.00	120	2	14	AMD 020 120 002	AMD 020 120 152	AMD 020 120 RX2
2.00	150	2	14	AMD 020 150 002	AMD 020 150 152	AMD 020 150 RX2
2.50	40	2	16	AMD 025 040 002	AMD 025 040 152	AMD 025 040 RX2
2.50	80	2	15	AMD 025 080 002	AMD 025 080 152	AMD 025 080 RX2
2.50	120	2	14	AMD 025 120 002	AMD 025 120 152	AMD 025 120 RX2
2.50	150	2	14	AMD 025 150 002	AMD 025 150 152	AMD 025 150 RX2
3.00	40	2	16	AMD 030 040 002	AMD 030 040 152	AMD 030 040 RX2
3.00	80	2	15	AMD 030 080 002	AMD 030 080 152	AMD 030 080 RX2
3.00	120	2	14	AMD 030 120 002	AMD 030 120 152	AMD 030 120 RX2
3.00	150	2	14	AMD 030 150 002	AMD 030 150 152	AMD 030 150 RX2
3.50	40	2	16	AMD 035 040 002	AMD 035 040 152	AMD 035 040 RX2
3.50	80	2	15	AMD 035 080 002	AMD 035 080 152	AMD 035 080 RX2
3.50	120	2	14	AMD 035 120 002	AMD 035 120 152	AMD 035 120 RX2
3.50	150	2	14	AMD 035 150 002	AMD 035 150 152	AMD 035 150 RX2
4.00	40	2	16	AMD 040 040 002	AMD 040 040 152	AMD 040 040 RX2
4.00	80	2	15	AMD 040 080 002	AMD 040 080 152	AMD 040 080 RX2
4.00	120	2	14	AMD 040 120 002	AMD 040 120 152	AMD 040 120 RX2
4.00	150	2	14	AMD 040 150 002	AMD 040 150 152	AMD 040 150 RX2



Amphirion Deep tapered balloon

Balloon Ø (mm)	Balloon length (mm)	Markers	RBP (bar)	OTW - Ref. N° 120cm shaft length	OTW - Ref. N° 150cm shaft length	RX - Ref. N° 150cm shaft length
2.00/2.50	210	2	14	AMD 225 210 002	AMD 225 210 152	AMD 225 210 RX2
2.50/3.00	210	2	14	AMD 253 210 002	AMD 253 210 152	AMD 253 210 RX2
3.00/3.50	210	2	14	AMD 335 210 002	AMD 335 210 152	AMD 335 210 RX2
3.50/4.00	210	2	14	AMD 354 210 002	AMD 354 210 152	AMD 354 210 RX2



1. Balloon inflation port
2. Guidewire port
3. Kink protection
4. Balloon length
5. Balloon diameter
6. Distal balloon diameter
7. Proximal balloon diameter

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Amphirion Deep

INFRAPOPLITEAL PTA BALLOON CATHETER OTW + RX 0.014"

Catheter design	Over the Wire (OTW)	Rapid Exchange (RX)
Balloon material	FLEXITEC™ Ultra	FLEXITEC™ Ultra
Balloon coating	Balloon and distal shaft LFC hydrophilic	Balloon and distal shaft LFC hydrophilic
Shaft diameter	proximal 3.9F middle 3.3F distal 2.8F	proximal 2.0F distal 3.3F
Max. recom. guidewire	0.014"	0.014"
Introducer sheath comp.	4F	4F
Guiding catheter comp.	–	5F (I.D. >0.056")
NBP	7 bar	7 bar

Easy access to the extremities

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

Balloon sizes to accommodate your needs

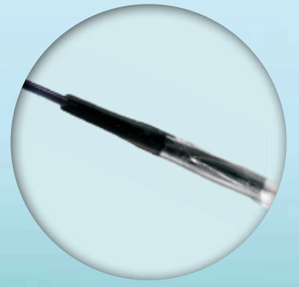
- Size range 1.5–4.0mm in diameter and 20–210mm in length
- Long balloons (up to 210mm) are suited for treatment of extremely diffuse lesions

Conformable balloon material

- Proprietary Polymer blend provides wonderful conformability

Tapered balloon

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



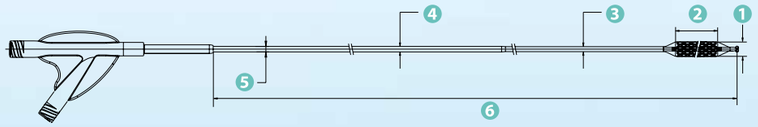
Balloon tip design

courtesy of Dr. Graziani, Brescia

Chromis Deep

Order information

Stent Ø (mm)	Stent length (mm)	RBP (bar)	Ref. N° Usable length 120 cm	Ref. N° Usable length 150 cm
2.0	10	15	CRD020010120	CRD020010150
2.0	18	15	CRD020018120	CRD020018150
2.0	38	15	CRD020038120	CRD020038150
2.5	10	15	CRD025010120	CRD025010150
2.5	18	15	CRD025018120	CRD025018150
2.5	38	15	CRD025038120	CRD025038150
2.5	57	15	CRD025057120	CRD025057150
3.0	10	15	CRD030010120	CRD030010150
3.0	18	15	CRD030018120	CRD030018150
3.0	38	15	CRD030038120	CRD030038150
3.0	57	15	CRD030057120	CRD030057150
3.0	76	15	CRD030076120	CRD030076150
3.5	10	15	CRD035010120	CRD035010150
3.5	18	15	CRD035018120	CRD035018150
3.5	38	15	CRD035038120	CRD035038150
3.5	57	15	CRD035057120	CRD035057150
3.5	76	15	CRD035076120	CRD035076150
4.0	10	15	CRD040010120	CRD040010150
4.0	18	15	CRD040018120	CRD040018150
4.0	38	15	CRD040038120	CRD040038150



1. Stent nominal inner diameter
2. Stent nominal length
3. Distal shaft diameter of 2.8F
4. Middle shaft diameter 3.3F
5. Proximal shaft diameter
   3.9F for 150 cm shaft
   3.3F for 120 cm shaft
6. Usable shaft length

Chromis Deep

INFRAPOPLITEAL CO-CR STENT SYSTEM OTW 0.014"

Providing a Solution for Below-the-Knee Bailout

Diameter specific design stent platform up to 76mm length

- For adequate radial force from small to larger vessels

Low 4F profile and flexible delivery system

- With 0.014" guidewire compatibility for consistent crossability and deliverability

Conformable balloon material - Flexitec™ Ultra

- Advanced balloon technologies for balloon-like deliverability

Stent

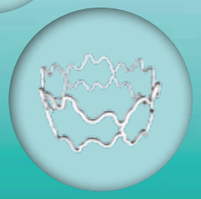
Stent construction	Slotted Tube, laser cut
Stent material	Cobalt Chromium
Stent diameter	2.0, 2.5, 3.0, 3.5, 4.0mm
Stent length	10, 18, 38, 57, 76mm
Strut thickness/width	70/75µm (Ø2.0–2.5mm), 80/75µm (Ø3.0–3.5mm), 95/85µm (Ø4.0mm)

Stent delivery system

Catheter design	Over the Wire (OTW)
Introducer sheath compatibility	4F
Usable shaft length	120 and 150cm
Guidewire compatibility	0.014"(0.36mm)
Balloon material	FLEXITEC™ Ultra
Nominal pressure	9bar

Small Vessel SV
diameter: 2.0–2.5mm
Strut thickness: 70µm
Number of circumferrential cells: 3

Medium Vessel MV
diameter: 3.0–3.5mm
Strut thickness: 80µm
Number of circumferrential cells: 4

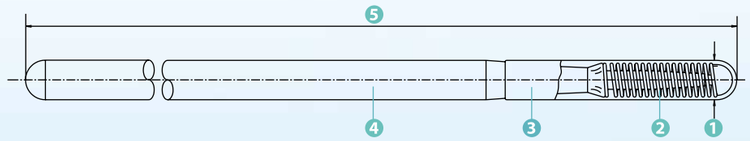


Large Vessel LV
diameter: 4.0mm
Strut thickness: 95µm
Number of circumferrential cells: 5

Kitewire Deep

Order information

Usable length (cm)	Tip stiffness	Ref. N°
195	Intermediate	KTD 195 INT 14S
195	Standard	KTD 195 STD 14S
250	Intermediate	KTD 250 INT 14S
250	Standard	KTD 250 STD 14S
300	Intermediate	KTD 300 INT 14S
300	Standard	KTD 300 STD 14S



1. Outer diameter
2. Platinum coil
3. Polymer jacket
4. Stainless steel body
5. Usable length

Guidewire outer diameter	0.014"
Coating of the guidewire coil	Polymer and Hydrophilic
Total length of the guidewire	195, 250 and 300cm
Support	Extra Support
Radiopaque coil length	3cm Platinum Alloy Spring Coil
Tip shape	Straight, shapable
Tip stiffness variations	Standard and Intermediate
Guidewire outer diameter	0.014" (0.36mm)

Kitewire Deep

PERIPHERAL GUIDEWIRE 0.014"

Smooth Trackability for Long Diffuse BtK Vessels

0.014" Guidewire for BtK

- For controlled crossability

Single core construction

- For recanalization of long diffuse, diseased lesions
- More pushability for improved crossability

Two tip flexibilities

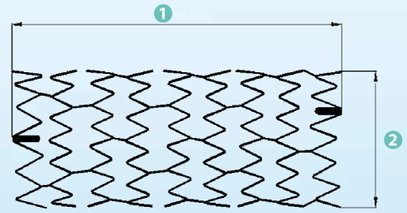
- Optimal selection of the proper tool
- Time-saving procedure

GUIDE WIRE

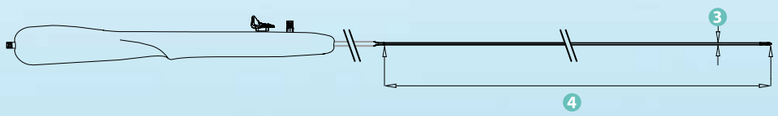
Maris Deep

Order information

Stent Ø (mm)	Stent length (mm)	Recom. vessel Ø (mm)	Ref. N° usable length 90cm	Ref. N° usable length 130cm
3	20	2.0–2.5	MRD 030 020 090	MRD 030 020 130
3	40	2.0–2.5	MRD 030 040 090	MRD 030 040 130
3	60	2.0–2.5	MRD 030 060 090	MRD 030 060 130
3	80	2.0–2.5	MRD 030 080 090	MRD 030 080 130
4	20	2.5–3.0	MRD 040 020 090	MRD 040 020 130
4	40	2.5–3.0	MRD 040 040 090	MRD 040 040 130
4	60	2.5–3.0	MRD 040 060 090	MRD 040 060 130
4	80	2.5–3.0	MRD 040 080 090	MRD 040 080 130
5	20	3.0–4.0	MRD 050 020 090	MRD 050 020 130
5	40	3.0–4.0	MRD 050 040 090	MRD 050 040 130
5	60	3.0–4.0	MRD 050 060 090	MRD 050 060 130
5	80	3.0–4.0	MRD 050 080 090	MRD 050 080 130
6	20	4.0–5.0	MRD 060 020 090	MRD 060 020 130
6	40	4.0–5.0	MRD 060 040 090	MRD 060 040 130
6	60	4.0–5.0	MRD 060 060 090	MRD 060 060 130
6	80	4.0–5.0	MRD 060 080 090	MRD 060 080 130



1. Stent nominal length
2. Stent unconstrained diameter
3. Shaft outer diameter 3.7F
4. Usable shaft length



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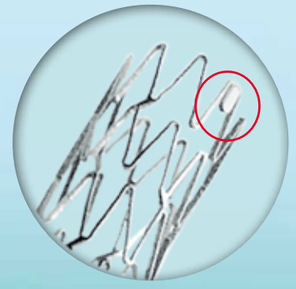
Stent

Stent design	Laser cut, multisegmented
Stent material	Nitinol
Stent diameter unconstrained	3.0, 4.0, 5.0, 6.0mm
Stent length unconstrained	20, 40, 60, 80mm
Marker	2 Tantalum stent marker

Stent delivery system

Catheter design	Over the Wire (OTW)
Usable shaft length	90 and 130cm
Guidewire compatibility	0.014" - 0.018"
Introducer sheath compatibility	4F



Two fully integrated stent markers

Maris Deep

PERIPHERAL SELF-EXPANDING STENT SYSTEM OTW 0.018"

Balanced Flexibility and Radial Force

3.7F profile balanced with fully braided over-the-wire delivery system

- Easily reach target vessels, even down to the plantar level

Real 4F introducer sheath compatibility (3.7F outer shaft Ø)

- For minimally invasive treatment and sufficient contrast injection space

Two fully integrated stent markers

- For accurate positioning and reduced mechanical interference with the vessel wall

Dedicated highly flexible stent platform

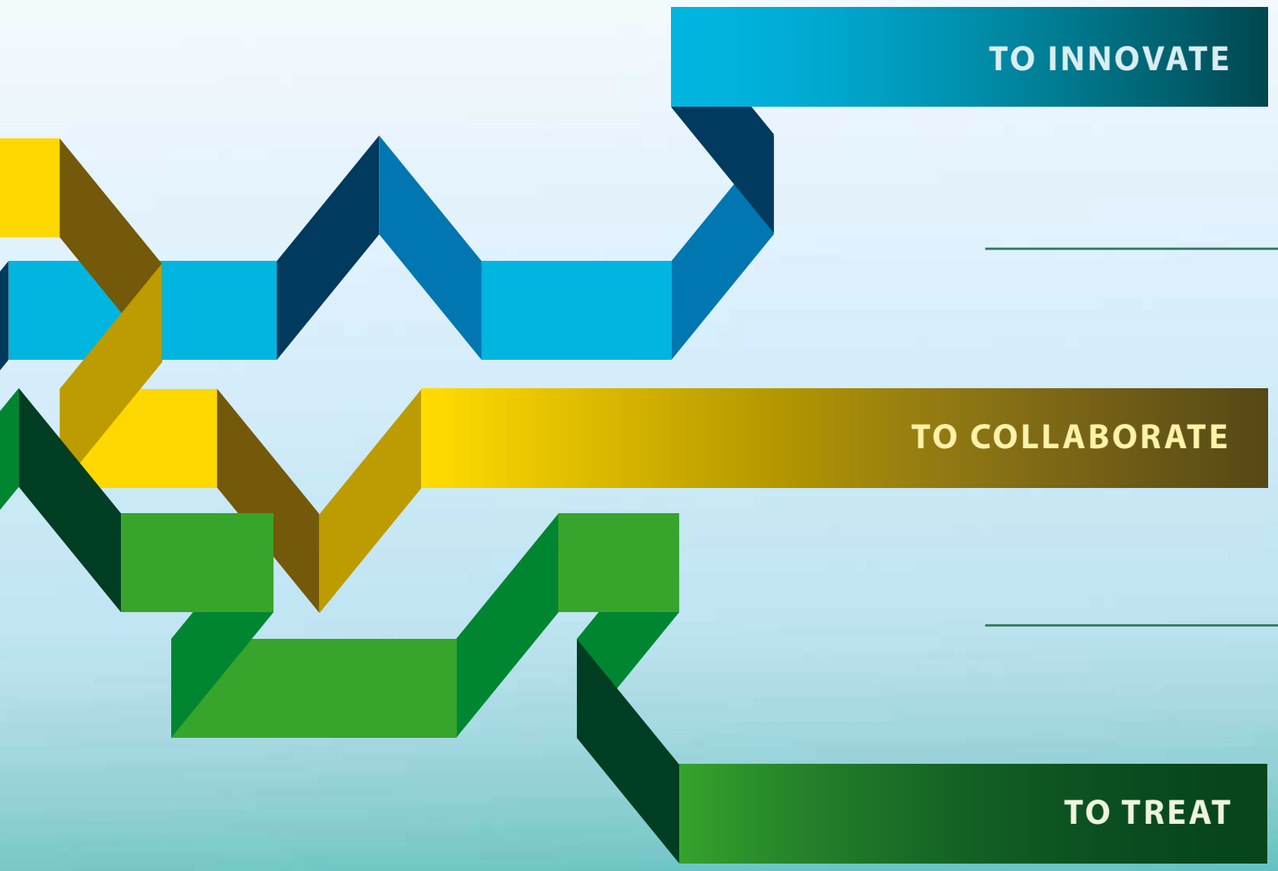
- Up to 80mm length in all diameters
- Excellent conformability to cover your limb salvage treatment needs

STENT SYSTEM

A POWERFUL COMBINATION

MEDTRONIC AND INVATEC HAVE JOINED FORCES TO BECOME A POWERFUL ALLY TO INTERVENTIONAL PHYSICIANS IN THE FIGHT AGAINST PERIPHERAL ARTERIAL DISEASE. WITH MEDTRONIC'S EXPERTISE AND REACH, IN CONJUNCTION WITH INVATEC'S LEGACY OF PRODUCT EXPERIENCE AND PARTNERSHIP, WE ARE ALTERING THE PERIPHERAL LANDSCAPE. WE OFFER THE LATEST THERAPEUTIC INNOVATIONS, A DEEPLY COLLABORATIVE SUPPORT TEAM, AND A TRULY COMPREHENSIVE PRODUCT PORTFOLIO. TOGETHER WITH PHYSICIANS, WE CAN ADVANCE PATIENT CARE AND LEAD THE WAY WITH NEXT GENERATION TREATMENT OPTIONS.

PERIPHERAL POWER



We actively pursue new products and expand into new treatment areas. We challenge ourselves everyday to excel beyond the status quo, and are driven by a relentless curiosity that pushes us into new territory.

We work side by side with the interventional physicians who use our products everyday. We recognize the value of their experience and know that, ultimately, we share their goal of improving patient care.

We offer a comprehensive portfolio of revolutionary products developed specifically for the peripheral space. By approaching innovation and discovery as a collaborative process, we can offer more robust and complete solutions than ever before.

A POWERFUL EXPERIENCE

EXPANDED CAPABILITIES

A global leader in medical technology with a wide range of cardiovascular offerings, we have the in-house capability to execute creatively and deliver quickly. Our fast-response processes enable us to shorten the development cycle and put new technologies in your hands so you can impact patient care immediately.

SUPPORT & RESPOND

Our dynamic model of response allows us to support our physician-partners day-to-day to ensure they are getting more than just a product. From idea to execution, we view development and treatment as a continuous process of reconfiguration and forward thinking. Our commitment to this approach ensures physicians are supported and technologies are always evolving.

TOTAL TEAM ACCESS

For physicians who want to participate in product development, there are opportunities at every stage of innovation. By creating a unique dialogue of rapid response and action, we are able to develop new technologies in cooperation with the very people who will be using them. Mutual trust, constant dialogue, and an open-door policy help us partner successfully with physicians all over the world.

PRODUCT ACCESS

Getting the best of both worlds, physician-partners have access to the products they know and trust as well as the leading-edge technologies constantly being added to our portfolio.

A POWERFUL OUTCOME

Medtronic offers physician-partners a supportive relationship and the opportunity to further the mutual goal of effectively treating P.A.D. We invite you to partner with us to advance interventional technologies, expand your practice, and impact peripheral treatment for generations. Meet with a Medtronic representative to learn more about Peripheral Power, today.

Medtronic