

GALAXY

Rapamycin-Eluting Coronary Stent System
with Bio-Absorbable Polymer Coating

TECHNICAL SPECIFICATIONS

Description	Rapamycin-Eluting Coronary Stent System Stainless Steel
Balloon Characteristic	Semi-Compliant Rapid Exchange Catheter
Recommended Guidewire	0.014" (0.36 mm)
Recommended Guiding Catheter	5 F
Entry Tip Profile	min 0.45 mm (0.018")
Nominal Pressure	Ø 2.00 mm to Ø 4.00 mm: 9 bar
Rated Burst Pressure (RBP)	<ul style="list-style-type: none"> Ø 2.00 mm to Ø 3.50 mm: 18 bar Ø 4.00 mm: 16 bar
X-ray Balloon Marker	2 markers located on the inner distal shaft under balloon section
Carbon Impregnated Stent-strut-thickness	<ul style="list-style-type: none"> Small: 110 Micron Large: 115 Micron
Stent - Vessel - Ratio	Avg of 11.8% (mean vessel-diameter of 3.0 mm and mean stent length of 18 mm)
Depth of carbon ion implantation	50 nm

ORDER INFORMATION

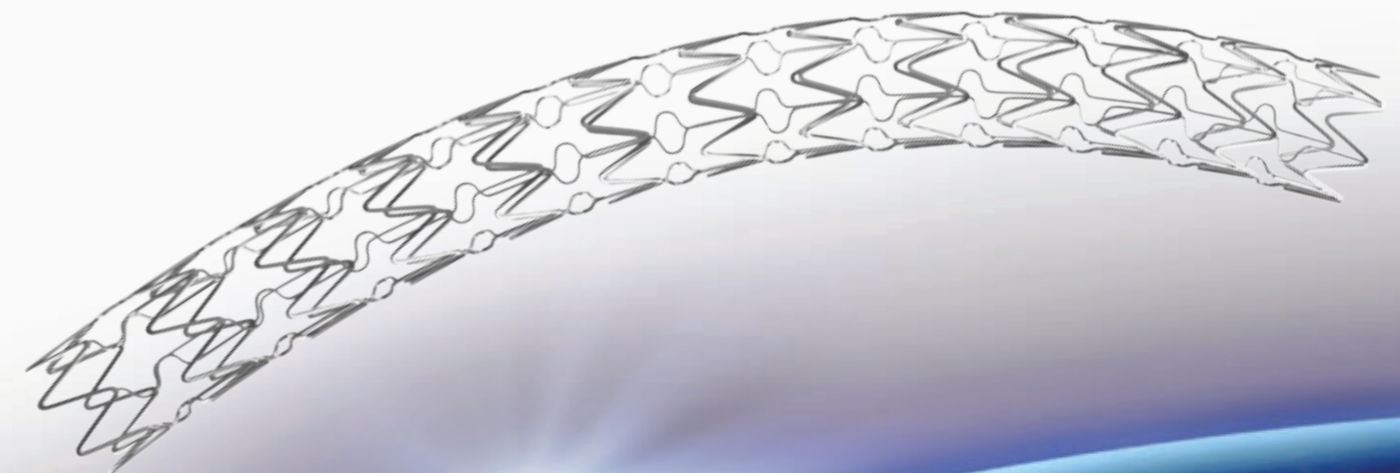
Diameter (mm)	Stent Length (mm)				Balloon Length (mm)		
	10 12	14 15	18 20	24 25	28 30	34 35	38 40
2.00	MR2010	MR2014	MR2018	MR2024	MR2028	MR2034	MR2038
2.25	MR2210	MR2214	MR2218	MR2224	MR2228	MR2234	MR2238
2.50	MR2510	MR2514	MR2518	MR2524	MR2528	MR2534	MR2538
2.75	MR2710	MR2714	MR2718	MR2724	MR2728	MR2734	MR2738
3.00	MR3010	MR3014	MR3018	MR3024	MR3028	MR3034	MR3038
3.25	MR3210	MR3214	MR3218	MR3224	MR3228	MR3234	MR3238
3.50	MR3510	MR3514	MR3518	MR3524	MR3528	MR3534	MR3538
4.00	MR4010	MR4014	MR4018	MR4024	MR4028	MR4034	MR4038
		14 16					

CE 0124



GALAXY

Rapamycin-Eluting Coronary Stent System
with Bio-Absorbable Polymer Coating



Double-Protection Technology



GALAXY

Rapamycin-Eluting Coronary Stent System with Bio-Absorbable Polymer Coating

The **GALAXY** Rapamycin-Eluting Coronary Stent System is the **first carbonized stent** (Inert Carbon Technology) with a completely **biodegradable** polymer coating which contains Rapamycin (Rapasorb™) as a **highly effective** drug for preventing thrombotic and re-stenotic events.

BENEFITS

- > **Zero stent thrombosis** during the entire implant period
- > **Polymer:** Poly (D, L-Lactide-co-Glycolid) Polylactide 50% Polyglycolid 50%
- > **Drug:** Rapamycin
- > **Coating Degradation:** 6 weeks in-vivo
- > **Drug load:** 2.0µg/mm²
- > **250 Patients** with over two years follow-up

INERT CARBON TECHNOLOGY

High speed bombardment of C⁺-ions under vacuum onto alloy's surface

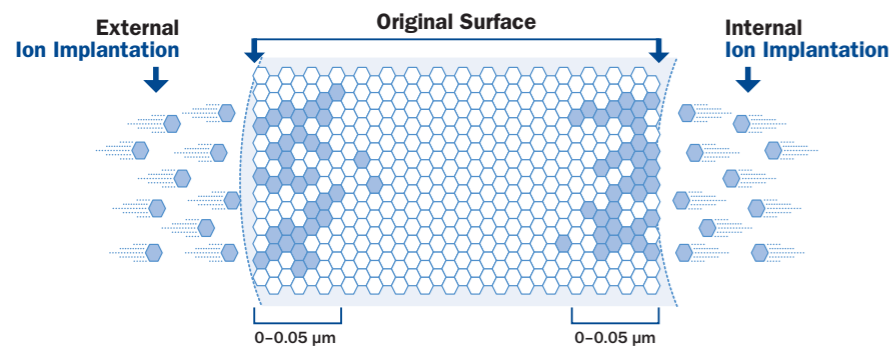


Figure 1: Under vacuum conditions carbon ions are shot with high load of energy on the stent surface, so that the ions are implanted within the metal lattice under the alloy's surface.

THE COATING

The biodegradable Polymer contains Poly-lactic-co-glycolic acid (PLGA) which will degrade 100% into carbon dioxide and water.

GALAXY does not need any other auxiliary polymer like parylene C

The controlled polymer degradation and release of Rapamycin is designed to terminate simultaneously and is completed within less than three months. This covers exactly the time where the drug is needed at most and is tailored uniquely to various immune response reactions occurring after stent implantation. This is understood as Rapasorb™ - Technology.

Release Kinetics of Rapamycin Eluting Stents

(Long term release per square mm stent surface)

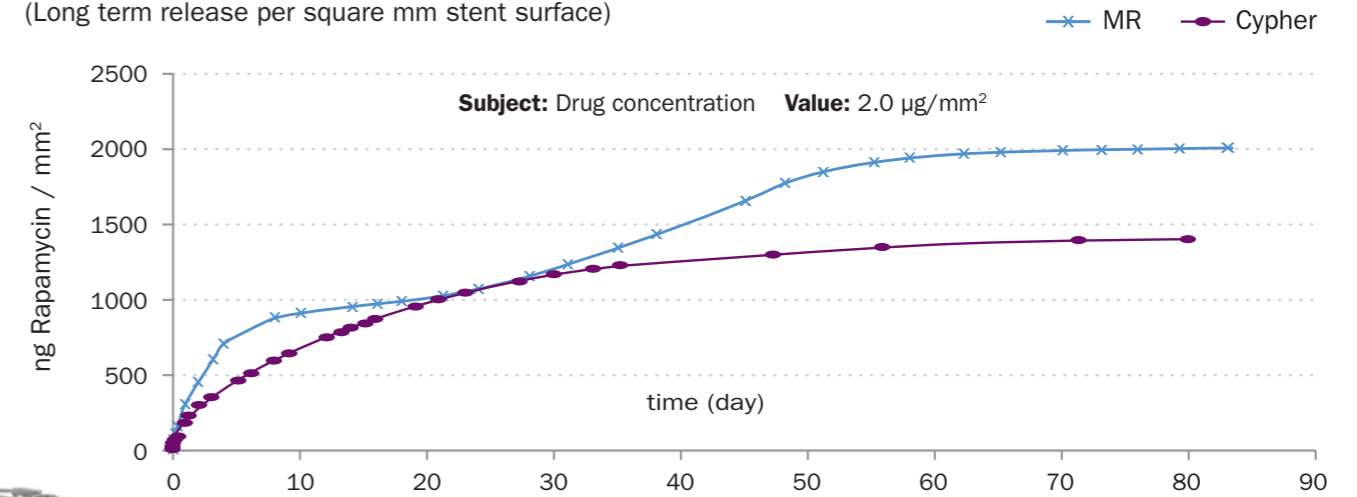
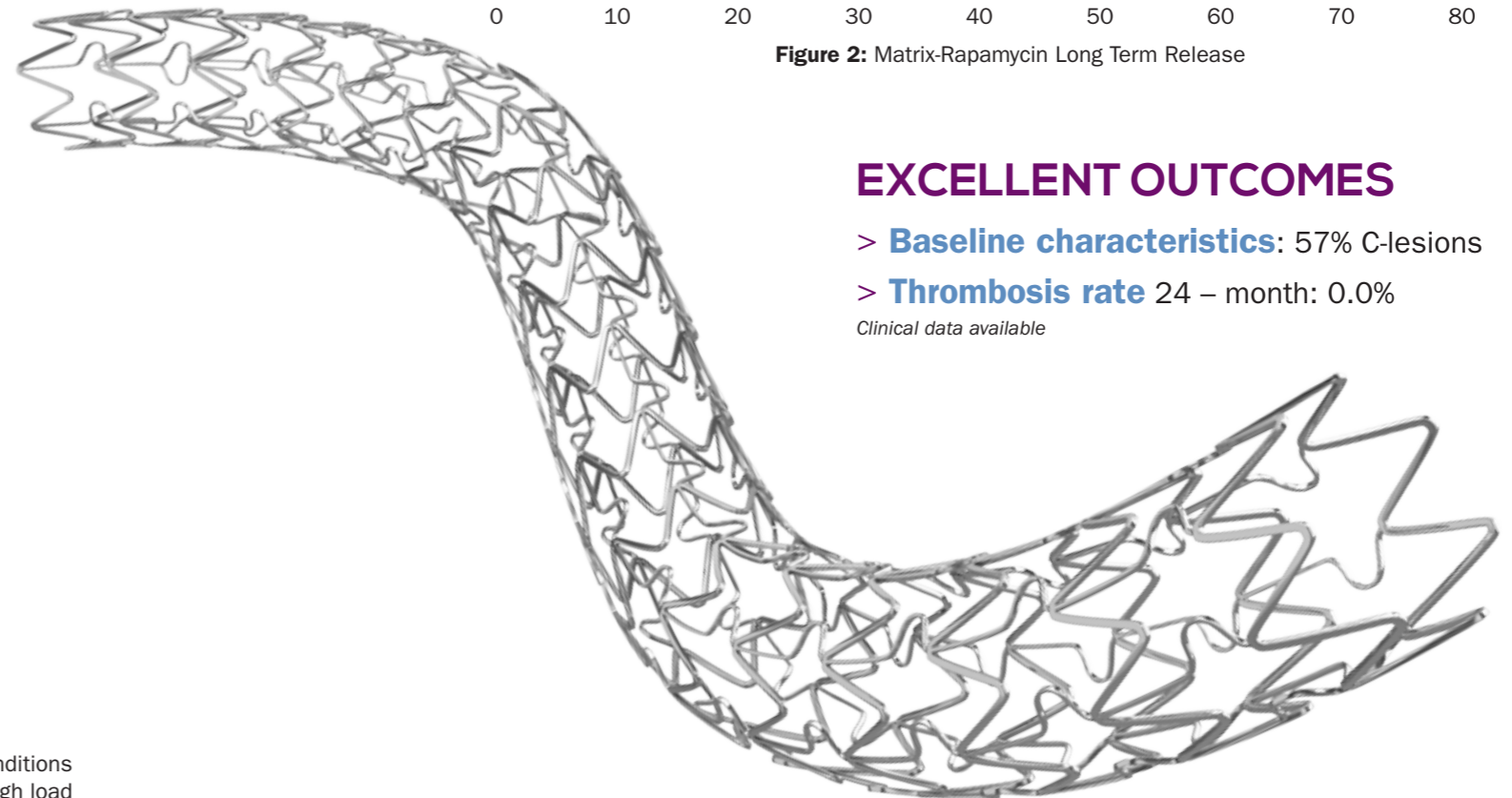


Figure 2: Matrix-Rapamycin Long Term Release

EXCELLENT OUTCOMES

- > **Baseline characteristics:** 57% C-lesions
- > **Thrombosis rate** 24 – month: 0.0%

Clinical data available



COMPLIANCE TABLE

Pressure (bar)	Balloon Diameter (mm)							
	2	2.25	2.5	2.75	3	3.25	3.5	4
4	1.80	2.10	2.30	2.55	2.75	3.00	3.15	3.70
5	1.84	2.13	2.34	2.59	2.80	3.05	3.22	3.76
6	1.88	2.16	2.38	2.63	2.85	3.10	3.29	3.82
7	1.92	2.19	2.42	2.67	2.90	3.15	3.36	3.88
8	1.96	2.22	2.46	2.71	2.95	3.20	3.43	3.94
9	2.00	2.25	2.50	2.75	3.00	3.25	3.50	4.00
10	2.04	2.28	2.54	2.79	3.05	3.30	3.57	4.06
11	2.08	2.31	2.58	2.83	3.10	3.35	3.64	4.12
12	2.12	2.34	2.62	2.87	3.15	3.40	3.71	4.18
13	2.16	2.37	2.66	2.91	3.20	3.45	3.78	4.24
14	2.20	2.40	2.70	2.95	3.25	3.50	3.85	4.30
15	2.24	2.43	2.74	2.99	3.30	3.55	3.92	4.36
16	2.28	2.46	2.78	3.03	3.35	3.60	3.99	4.42
17	2.32	2.49	2.82	3.07	3.40	3.65	4.06	-
18	2.36	2.52	2.86	3.11	3.45	3.70	4.13	-
Nominal pressure	9	9	9	9	9	9	9	9
RBP	18	18	18	18	18	18	18	16
Mean CP	0.96	0.96	0.98	0.98	1.01	1.05	1.21	1.20

GRAVIS

PTA Balloon Catheter

TECHNICAL SPECIFICATIONS

Description	PTA Balloon Catheter Semi-Compliant OTW
Recommended Guidewire	0.035" (0.89 mm)
Recommended Introducer Sheath	5 F - 9 F
Nominal Pressure	3 mm to 12 mm - 7 bar
Rated Burst Pressure (RBP)	<ul style="list-style-type: none"> • Ø 3 mm - 13 bar • Ø 3.5 mm to 12 mm - 10 bar
Working Catheter Length	80 cm 120 cm 150 cm
Platinum X-ray Marker	One marker at proximal and distal end of balloon
Low Entry Profile	0.95 mm (0.037")
Balloon Material	Pebax
Hydrophilic Coating	400 mm distal

ORDER INFORMATION

	Balloon Length (mm)	Catheter Length 80 cm	Catheter Length 120 cm	Catheter Length 150 cm	Balloon Length (mm)	Catheter Length 80 cm	Catheter Length 120 cm	Catheter Length 150 cm
Balloon Ø 8 mm	10	08PVQ080010APO	12PVQ080010APO	15PVQ080010APO	100	08PVQ080100APO	12PVQ080100APO	15PVQ080100APO
	15	08PVQ080015APO	12PVQ080015APO	15PVQ080015APO	120	08PVQ080120APO	12PVQ080120APO	15PVQ080120APO
	20	08PVQ080020APO	12PVQ080020APO	15PVQ080020APO	150	08PVQ080150APO	12PVQ080150APO	15PVQ080150APO
	30	08PVQ080030APO	12PVQ080030APO	15PVQ080030APO	200	08PVQ080200APO	12PVQ080200APO	15PVQ080200APO
	40	08PVQ080040APO	12PVQ080040APO	15PVQ080040APO	220	08PVQ080220APO	12PVQ080220APO	15PVQ080220APO
	60	08PVQ080060APO	12PVQ080060APO	15PVQ080060APO	280	08PVQ080280APO	12PVQ080280APO	15PVQ080280APO
	80	08PVQ080080APO	12PVQ080080APO	15PVQ080080APO				
								Minimum Balloon Profile 1.57 mm
Balloon Ø 9 mm	10	08PVQ090010APO	12PVQ090010APO	15PVQ090010APO	100	08PVQ090100APO	12PVQ090100APO	15PVQ090100APO
	15	08PVQ090015APO	12PVQ090015APO	15PVQ090015APO	120	08PVQ090120APO	12PVQ090120APO	15PVQ090120APO
	20	08PVQ090020APO	12PVQ090020APO	15PVQ090020APO	150	08PVQ090150APO	12PVQ090150APO	15PVQ090150APO
	30	08PVQ090030APO	12PVQ090030APO	15PVQ090030APO	200	08PVQ090200APO	12PVQ090200APO	15PVQ090200APO
	40	08PVQ090040APO	12PVQ090040APO	15PVQ090040APO	220	08PVQ090220APO	12PVQ090220APO	15PVQ090220APO
	60	08PVQ090060APO	12PVQ090060APO	15PVQ090060APO	280	08PVQ090280APO	12PVQ090280APO	15PVQ090280APO
	80	08PVQ090080APO	12PVQ090080APO	15PVQ090080APO				
								Minimum Balloon Profile 1.59 mm
Balloon Ø 10 mm	10	08PVQ100010APO	12PVQ100010APO	15PVQ100010APO	100	08PVQ100100APO	12PVQ100100APO	15PVQ100100APO
	15	08PVQ100015APO	12PVQ100015APO	15PVQ100015APO	120	08PVQ100120APO	12PVQ100120APO	15PVQ100120APO
	20	08PVQ100020APO	12PVQ100020APO	15PVQ100020APO	150	08PVQ100150APO	12PVQ100150APO	15PVQ100150APO
	30	08PVQ100030APO	12PVQ100030APO	15PVQ100030APO	200	08PVQ100200APO	12PVQ100200APO	15PVQ100200APO
	40	08PVQ100040APO	12PVQ100040APO	15PVQ100040APO	220	08PVQ100220APO	12PVQ100220APO	15PVQ100220APO
	60	08PVQ100060APO	12PVQ100060APO	15PVQ100060APO	280	08PVQ100280APO	12PVQ100280APO	15PVQ100280APO
	80	08PVQ100080APO	12PVQ100080APO	15PVQ100080APO				
								Minimum Balloon Profile 1.79 mm
Balloon Ø 12 mm	10	08PVQ120010APO	12PVQ120010APO	15PVQ120010APO	100	08PVQ120100APO	12PVQ120100APO	15PVQ120100APO
	15	08PVQ120015APO	12PVQ120015APO	15PVQ120015APO	120	08PVQ120120APO	12PVQ120120APO	15PVQ120120APO
	20	08PVQ120020APO	12PVQ120020APO	15PVQ120020APO	150	08PVQ120150APO	12PVQ120150APO	15PVQ120150APO
	30	08PVQ120030APO	12PVQ120030APO	15PVQ120030APO	200	08PVQ120200APO	12PVQ120200APO	15PVQ120200APO
	40	08PVQ120040APO	12PVQ120040APO	15PVQ120040APO	220	08PVQ120220APO	12PVQ120220APO	15PVQ120220APO
	60	08PVQ120060APO	12PVQ120060APO	15PVQ120060APO	280	08PVQ120280APO	12PVQ120280APO	15PVQ120280APO
	80	08PVQ120080APO	12PVQ120080APO	15PVQ120080APO				
								Minimum Balloon Profile 2.16 mm

Recommended introducer sheath

5F (1.67 mm)	up to Ø 5 mm	6F (2.0 mm)	Ø 5.5 mm to 10.0 mm	9F (3.0 mm)	for Ø 12 mm
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Product Line

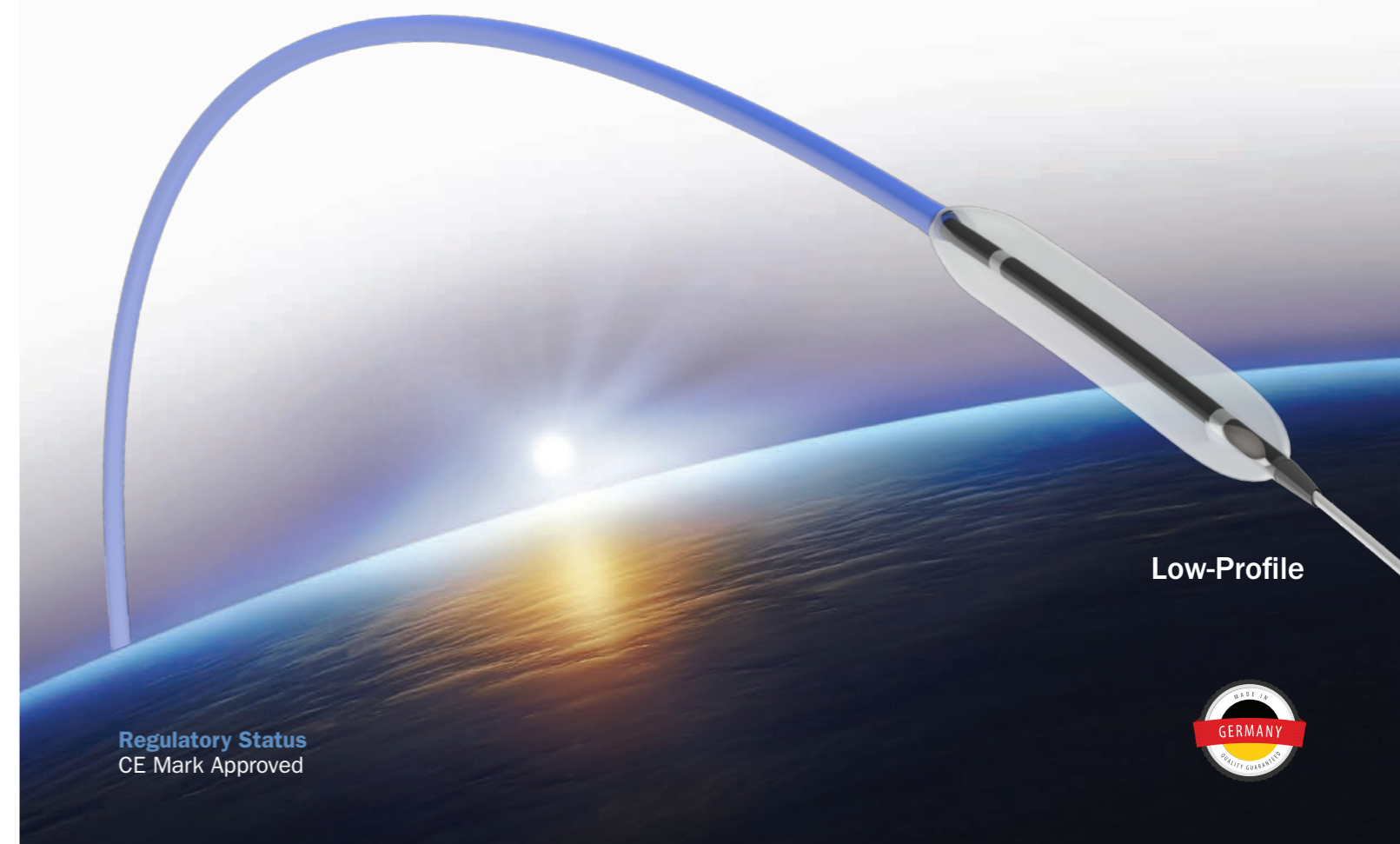
www.stronmedical.com



Product Line

GRAVIS

PTA Balloon Catheter



Low-Profile

Regulatory Status
 CE Mark Approved



GRAVIS

PTA Balloon Catheter



The **GRAVIS** PTA Balloon Catheter is a **high performance** balloon catheter for peripheral indication. The device features an **ultra-low profile**, semi-compliant balloon combined with a **low profile tip**.

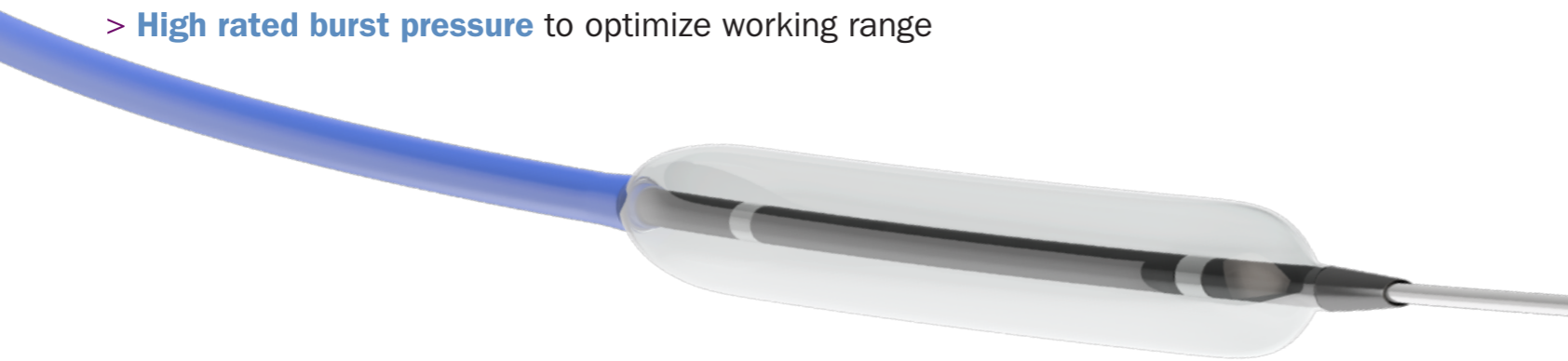
Our focus is to enhance technology by developing devices with Low Entry Tip Profiles, guided by Ergonomic Pushability for your ease of use, especially in complex vessels, Tactile Trackability for enhanced Manoeuvring.

As an essential feature the Dual Lumen Shaft Technology provides a rapid inflation/deflation time.

	Competitor A	Competitor B	Competitor C	GRAVIS
TIP ENTRANCE DIAMETER compatibility comparison	0.048"	0.040"	0.048"	0.037"

KEY FEATURES & BENEFITS

- > **Very low entry profile** with a beveled tip to cross the most difficult lesions
- > **Maximum flexibility** for easy navigation to reach the most distal lesions
- > **Fast inflation and deflation times** to maximize efficiency during treatment and reducing the procedure time
- > **Increased pushability** for a significant force transition from hub to tip
- > **Reduced radiation exposure** for clinician, team, and patient due to decreased intervention time
- > **High rated burst pressure** to optimize working range



We provide a diverse range of PTA catheters with **over 1000 sizes** to meet your requirements with balloon lengths up to 280 mm.

ORDER INFORMATION

	Balloon Length (mm)	Catheter Length 80 cm	Catheter Length 120 cm	Catheter Length 150 cm		Balloon Length (mm)	Catheter Length 80 cm	Catheter Length 120 cm	Catheter Length 150 cm	
Balloon Ø 3 mm	10	08PVQ030010APO	12PVQ030010APO	15PVQ030010APO	Minimum Balloon Profile 1.11 mm	100	08PVQ030100APO	12PVQ030100APO	15PVQ030100APO	
	15	08PVQ030015APO	12PVQ030015APO	15PVQ030015APO		120	08PVQ030120APO	12PVQ030120APO	15PVQ030120APO	
	20	08PVQ030020APO	12PVQ030020APO	15PVQ030020APO		150	08PVQ030150APO	12PVQ030150APO	15PVQ030150APO	
	30	08PVQ030030APO	12PVQ030030APO	15PVQ030030APO		200	08PVQ030200APO	12PVQ030200APO	15PVQ030200APO	
	40	08PVQ030040APO	12PVQ030040APO	15PVQ030040APO		220	08PVQ030220APO	12PVQ030220APO	15PVQ030220APO	
	60	08PVQ030060APO	12PVQ030060APO	15PVQ030060APO		280	08PVQ030280APO	12PVQ030280APO	15PVQ030280APO	
	80	08PVQ030080APO	12PVQ030080APO	15PVQ030080APO						
	Balloon Ø 3.5 mm	10	08PVQ035010APO	12PVQ035010APO		15PVQ035010APO	Minimum Balloon Profile 1.12 mm	100	08PVQ035100APO	12PVQ035100APO
15		08PVQ035015APO	12PVQ035015APO	15PVQ035015APO	120	08PVQ035120APO		12PVQ035120APO	15PVQ035120APO	
20		08PVQ035020APO	12PVQ035020APO	15PVQ035020APO	150	08PVQ035150APO		12PVQ035150APO	15PVQ035150APO	
30		08PVQ035030APO	12PVQ035030APO	15PVQ035030APO	200	08PVQ035200APO		12PVQ035200APO	15PVQ035200APO	
40		08PVQ035040APO	12PVQ035040APO	15PVQ035040APO	220	08PVQ035220APO		12PVQ035220APO	15PVQ035220APO	
60		08PVQ035060APO	12PVQ035060APO	15PVQ035060APO	280	08PVQ035280APO		12PVQ035280APO	15PVQ035280APO	
80		08PVQ035080APO	12PVQ035080APO	15PVQ035080APO						
Balloon Ø 4 mm		10	08PVQ040010APO	12PVQ040010APO	15PVQ040010APO	Minimum Balloon Profile 1.13 mm		100	08PVQ040100APO	12PVQ040100APO
	15	08PVQ040015APO	12PVQ040015APO	15PVQ040015APO	120		08PVQ040120APO	12PVQ040120APO	15PVQ040120APO	
	20	08PVQ040020APO	12PVQ040020APO	15PVQ040020APO	150		08PVQ040150APO	12PVQ040150APO	15PVQ040150APO	
	30	08PVQ040030APO	12PVQ040030APO	15PVQ040030APO	200		08PVQ040200APO	12PVQ040200APO	15PVQ040200APO	
	40	08PVQ040040APO	12PVQ040040APO	15PVQ040040APO	220		08PVQ040220APO	12PVQ040220APO	15PVQ040220APO	
	60	08PVQ040060APO	12PVQ040060APO	15PVQ040060APO	280		08PVQ040280APO	12PVQ040280APO	15PVQ040280APO	
	80	08PVQ040080APO	12PVQ040080APO	15PVQ040080APO						
	Balloon Ø 4.5 mm	10	08PVQ045010APO	12PVQ045010APO	15PVQ045010APO		Minimum Balloon Profile 1.15 mm	100	08PVQ045100APO	12PVQ045100APO
15		08PVQ045015APO	12PVQ045015APO	15PVQ045015APO	120	08PVQ045120APO		12PVQ045120APO	15PVQ045120APO	
20		08PVQ045020APO	12PVQ045020APO	15PVQ045020APO	150	08PVQ045150APO		12PVQ045150APO	15PVQ045150APO	
30		08PVQ045030APO	12PVQ045030APO	15PVQ045030APO	200	08PVQ045200APO		12PVQ045200APO	15PVQ045200APO	
40		08PVQ045040APO	12PVQ045040APO	15PVQ045040APO	220	08PVQ045220APO		12PVQ045220APO	15PVQ045220APO	
60		08PVQ045060APO	12PVQ045060APO	15PVQ045060APO	280	08PVQ045280APO		12PVQ045280APO	15PVQ045280APO	
80		08PVQ045080APO	12PVQ045080APO	15PVQ045080APO						
Balloon Ø 5 mm		10	08PVQ050010APO	12PVQ050010APO	15PVQ050010APO	Minimum Balloon Profile 1.25 mm		100	08PVQ050100APO	12PVQ050100APO
	15	08PVQ050015APO	12PVQ050015APO	15PVQ050015APO	120		08PVQ050120APO	12PVQ050120APO	15PVQ050120APO	
	20	08PVQ050020APO	12PVQ050020APO	15PVQ050020APO	150		08PVQ050150APO	12PVQ050150APO	15PVQ050150APO	
	30	08PVQ050030APO	12PVQ050030APO	15PVQ050030APO	200		08PVQ050200APO	12PVQ050200APO	15PVQ050200APO	
	40	08PVQ050040APO	12PVQ050040APO	15PVQ050040APO	220		08PVQ050220APO	12PVQ050220APO	15PVQ050220APO	
	60	08PVQ050060APO	12PVQ050060APO	15PVQ050060APO	280		08PVQ050280APO	12PVQ050280APO	15PVQ050280APO	
	80	08PVQ050080APO	12PVQ050080APO	15PVQ050080APO						
	Balloon Ø 5.5 mm	10	08PVQ055010APO	12PVQ055010APO	15PVQ055010APO		Minimum Balloon Profile 1.30 mm	100	08PVQ055100APO	12PVQ055100APO
15		08PVQ055015APO	12PVQ055015APO	15PVQ055015APO	120	08PVQ055120APO		12PVQ055120APO	15PVQ055120APO	
20		08PVQ055020APO	12PVQ055020APO	15PVQ055020APO	150	08PVQ055150APO		12PVQ055150APO	15PVQ055150APO	
30		08PVQ055030APO	12PVQ055030APO	15PVQ055030APO	200	08PVQ055200APO		12PVQ055200APO	15PVQ055200APO	
40		08PVQ055040APO	12PVQ055040APO	15PVQ055040APO	220	08PVQ055220APO		12PVQ055220APO	15PVQ055220APO	
60		08PVQ055060APO	12PVQ055060APO	15PVQ055060APO	280	08PVQ055280APO		12PVQ055280APO	15PVQ055280APO	
80		08PVQ055080APO	12PVQ055080APO	15PVQ055080APO						
Balloon Ø 6 mm		10	08PVQ060010APO	12PVQ060010APO	15PVQ060010APO	Minimum Balloon Profile 1.41 mm		100	08PVQ060100APO	12PVQ060100APO
	15	08PVQ060015APO	12PVQ060015APO	15PVQ060015APO	120		08PVQ060120APO	12PVQ060120APO	15PVQ060120APO	
	20	08PVQ060020APO	12PVQ060020APO	15PVQ060020APO	150		08PVQ060150APO	12PVQ060150APO	15PVQ060150APO	
	30	08PVQ060030APO	12PVQ060030APO	15PVQ060030APO	200		08PVQ060200APO	12PVQ060200APO	15PVQ060200APO	
	40	08PVQ060040APO	12PVQ060040APO	15PVQ060040APO	220		08PVQ060220APO	12PVQ060220APO	15PVQ060220APO	
	60	08PVQ060060APO	12PVQ060060APO	15PVQ060060APO	280		08PVQ060280APO	12PVQ060280APO	15PVQ060280APO	
	80	08PVQ060080APO	12PVQ060080APO	15PVQ060080APO						
	Balloon Ø 7 mm	10	08PVQ070010APO	12PVQ070010APO	15PVQ070010APO		Minimum Balloon Profile 1.56 mm	100	08PVQ070100APO	12PVQ070100APO
15		08PVQ070015APO	12PVQ070015APO	15PVQ070015APO	120	08PVQ070120APO		12PVQ070120APO	15PVQ070120APO	
20		08PVQ070020APO	12PVQ070020APO	15PVQ070020APO	150	08PVQ070150APO		12PVQ070150APO	15PVQ070150APO	
30		08PVQ070030APO	12PVQ070030APO	15PVQ070030APO	200	08PVQ070200APO		12PVQ070200APO	15PVQ070200APO	
40		08PVQ070040APO	12PVQ070040APO	15PVQ070040APO	220	08PVQ070220APO		12PVQ070220APO	15PVQ070220APO	
60		08PVQ070060APO	12PVQ070060APO	15PVQ070060APO	280	08PVQ070280APO		12PVQ070280APO	15PVQ070280APO	
80		08PVQ070080APO	12PVQ070080APO	15PVQ070080APO						

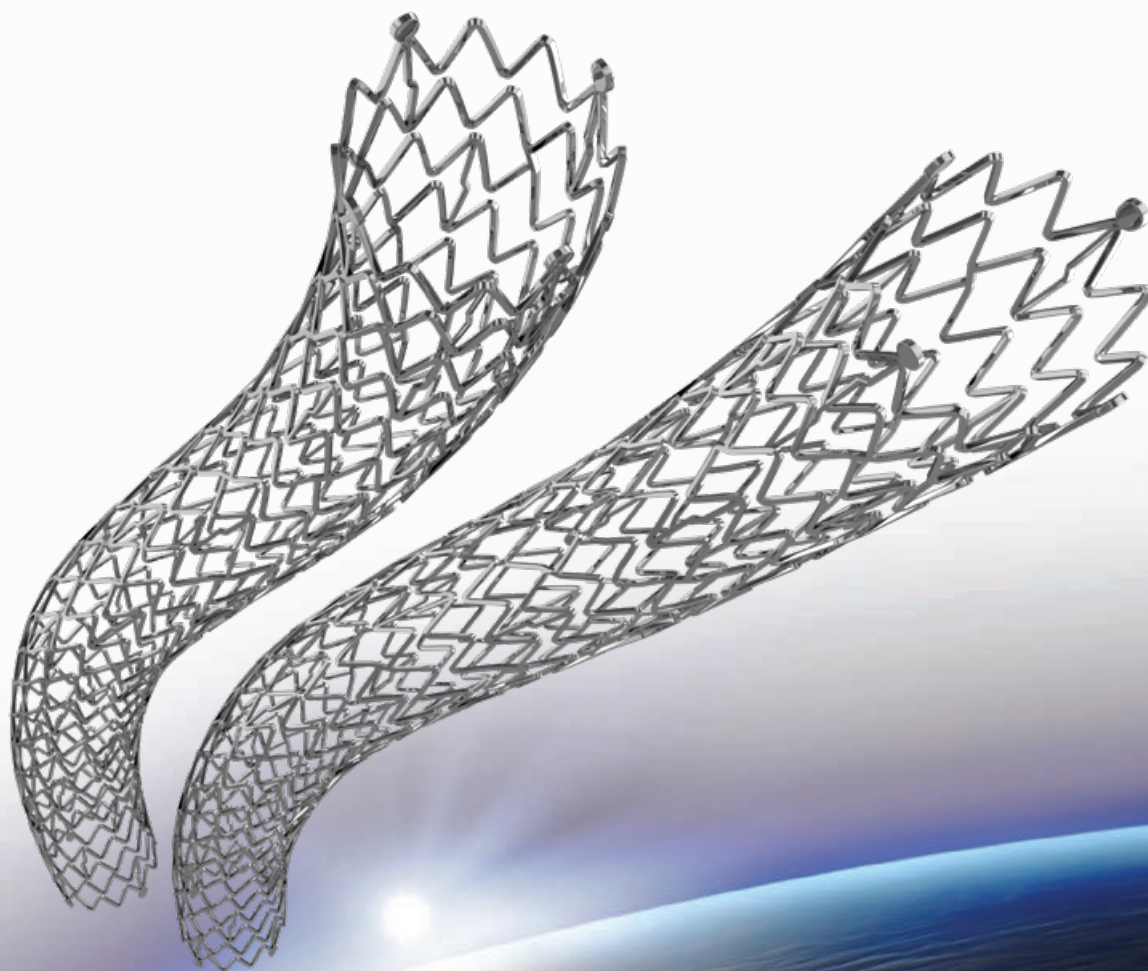
Recommended introducer sheath

5F (1.67 mm)	up to Ø 5 mm	6F (2.0 mm)	Ø 5.5 mm to 10.0 mm	9F (3.0 mm)	for Ø 12 mm
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POLARIS ADVANCE

Peripheral Vascular **Self-Expanding Stent System**



Highly durable bi-directional nitinol stent
with a flexible delivery system

Regulatory Status
CE Mark Approved



POLARIS ADVANCE

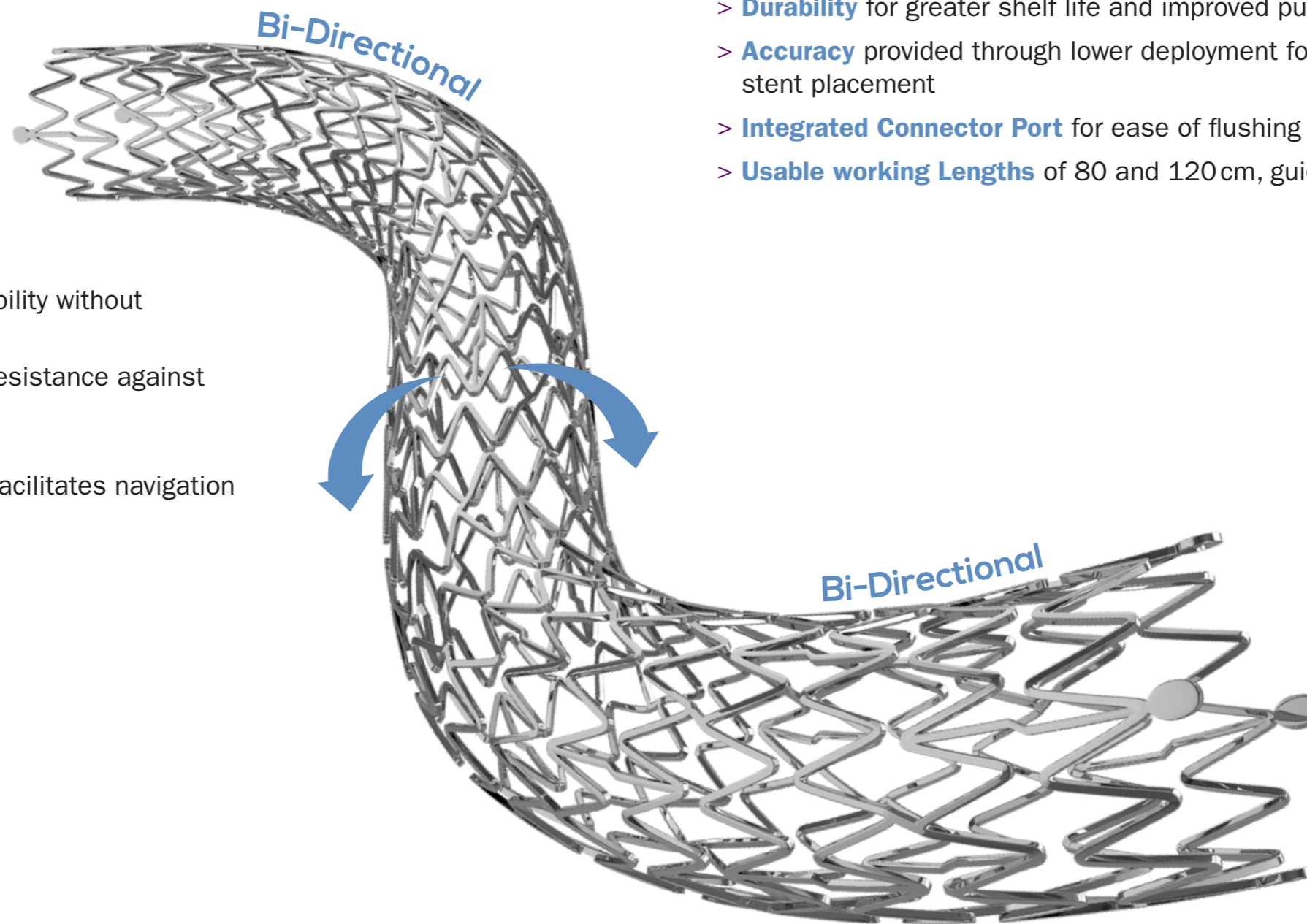
Peripheral Vascular **Self-Expanding Stent System**

The **POLARIS** Self-Expanding Peripheral Vascular Stent System combines **highly durable** nitinol stent with a **flexible** delivery system to provide **proven clinical results**¹.

FLEXIBILITY & STRENGTH

- > **Unique Wave Design** provides flexibility without sacrificing radial strength
- > **Flexible Connectors** provide high resistance against bending, torsion, and compression stress
- > **Highly Flexible Delivery Catheter** facilitates navigation of tortuous anatomy

85.7%
FREEDOM FROM TLR
AFTER 24 MONTHS¹



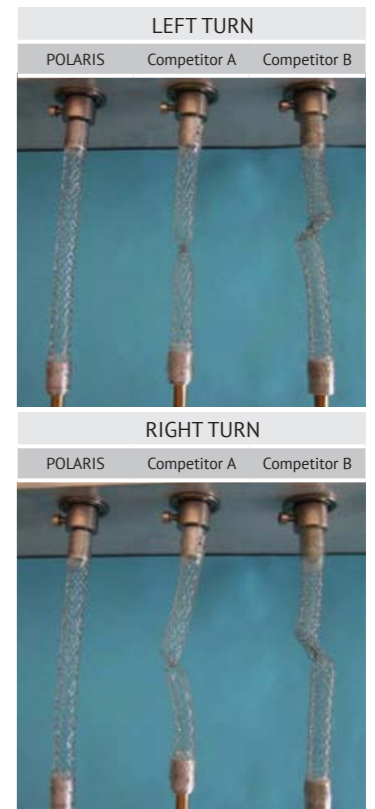
ACCURACY & EASE OF USE

- > **Nitinol Stent** with tantalum markers provides excellent visibility under fluoroscopy
- > **Minimal Foreshortening** ensures accurate positioning and placement
- > **Delivery Catheter** ensures accurate and easy 1:1 delivery

ENHANCED CATHETER

- > **Durability** for greater shelf life and improved pushability
- > **Accuracy** provided through lower deployment force for more accurate stent placement
- > **Integrated Connector Port** for ease of flushing and injection of contrast material
- > **Usable working Lengths** of 80 and 120 cm, guided over 0.035" guidewire

TORSION AND DIRECTIONALITY TESTING One Full Turn



1. Krankenberg, H., et al (LINC 2019). *Bi-directional, Self-Expanding Stent for Superficial Femoral Artery Lesions – 2-year Interim-Results from the Q3 Registry.*

POLARIS ADVANCE

Peripheral Vascular Self-Expanding Stent System

TECHNICAL SPECIFICATIONS

Stent

Description	Self-Expandable Nitinol Stent
Material	Nickel titanium alloy
Diameter	5.0 6.0 7.0 8.0 9.0 10.0 11.0 mm
Lengths	20 40 60 80 100 120 150 mm
Visibility	4 x-ray markers at each end Tantalum

Stent Delivery System

Recommended Guidewire	0.035" (0.90 mm)
Recommended Introducer	6 F
Usable Catheter Lengths	80 cm and 120 cm
Delivery Device	Gun Handle Delivery System

ORDER INFORMATION

Short

Usable catheter length **80 cm**

Diameter (mm)	Length (mm)						
	20	40	60	80	100	120	150
5	08 AHS 05020	08 AHS 05040	08 AHS 05060	08 AHS 05080	08 AHS 05100	08 AHS 05120	08 AHS 05150
6	08 AHS 06020	08 AHS 06040	08 AHS 06060	08 AHS 06080	08 AHS 06100	08 AHS 06120	08 AHS 06150
7	08 AHS 07020	08 AHS 07040	08 AHS 07060	08 AHS 07080	08 AHS 07100	08 AHS 07120	08 AHS 07150
8	08 AHS 08020	08 AHS 08040	08 AHS 08060	08 AHS 08080	08 AHS 08100	08 AHS 08120	08 AHS 08150
9	08 AHS 09020	08 AHS 09040	08 AHS 09060	08 AHS 09080	08 AHS 09100	08 AHS 09120	08 AHS 09150
10	08 AHS 10020	08 AHS 10040	08 AHS 10060	08 AHS 10080	08 AHS 10100	08 AHS 10120	08 AHS 10150
11	08 AHS 11020	08 AHS 11040	08 AHS 11060	08 AHS 11080	08 AHS 11100	08 AHS 11120	08 AHS 11150

Long

Usable catheter length **120 cm**

Diameter (mm)	Length (mm)						
	20	40	60	80	100	120	150
5	12 AHS 05020	12 AHS 05040	12 AHS 05060	12 AHS 05080	12 AHS 05100	12 AHS 05120	12 AHS 05150
6	12 AHS 06020	12 AHS 06040	12 AHS 06060	12 AHS 06080	12 AHS 06100	12 AHS 06120	12 AHS 06150
7	12 AHS 07020	12 AHS 07040	12 AHS 07060	12 AHS 07080	12 AHS 07100	12 AHS 07120	12 AHS 07150
8	12 AHS 08020	12 AHS 08040	12 AHS 08060	12 AHS 08080	12 AHS 08100	12 AHS 08120	12 AHS 08150
9	12 AHS 09020	12 AHS 09040	12 AHS 09060	12 AHS 09080	12 AHS 09100	12 AHS 09120	12 AHS 09150
10	12 AHS 10020	12 AHS 10040	12 AHS 10060	12 AHS 10080	12 AHS 10100	12 AHS 10120	12 AHS 10150
11	12 AHS 11020	12 AHS 11040	12 AHS 11060	12 AHS 11080	12 AHS 11100	12 AHS 11120	12 AHS 11150

The product official name is: POLARIS Peripheral Vascular Self-Expanding Stent System

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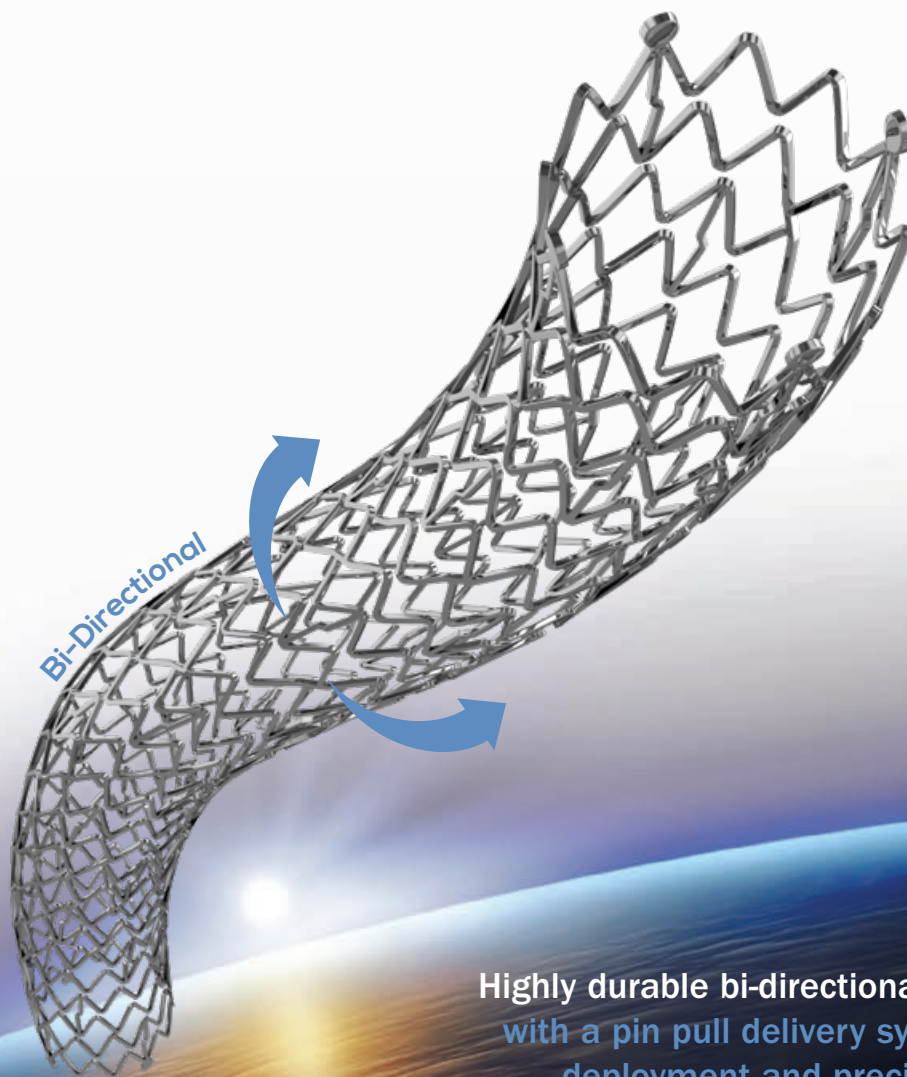
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POLARIS-pp ADVANCE

Peripheral Vascular **Self Expanding Stent System**

Pin Pull Device



Highly durable bi-directional nitinol stent
with a pin pull delivery system for easy
deployment and precise placement

Regulatory Status
CE Mark Approved



POLARIS-pp^{ADVANCE}

Peripheral Vascular Self-Expanding Stent System
Pin Pull Device

The **POLARIS-pp** Self-Expanding Peripheral Vascular Stent System combines **highly durable** nitinol stent with a **flexible** delivery system to provide **proven clinical results**¹.

ACCURACY & EASE OF USE

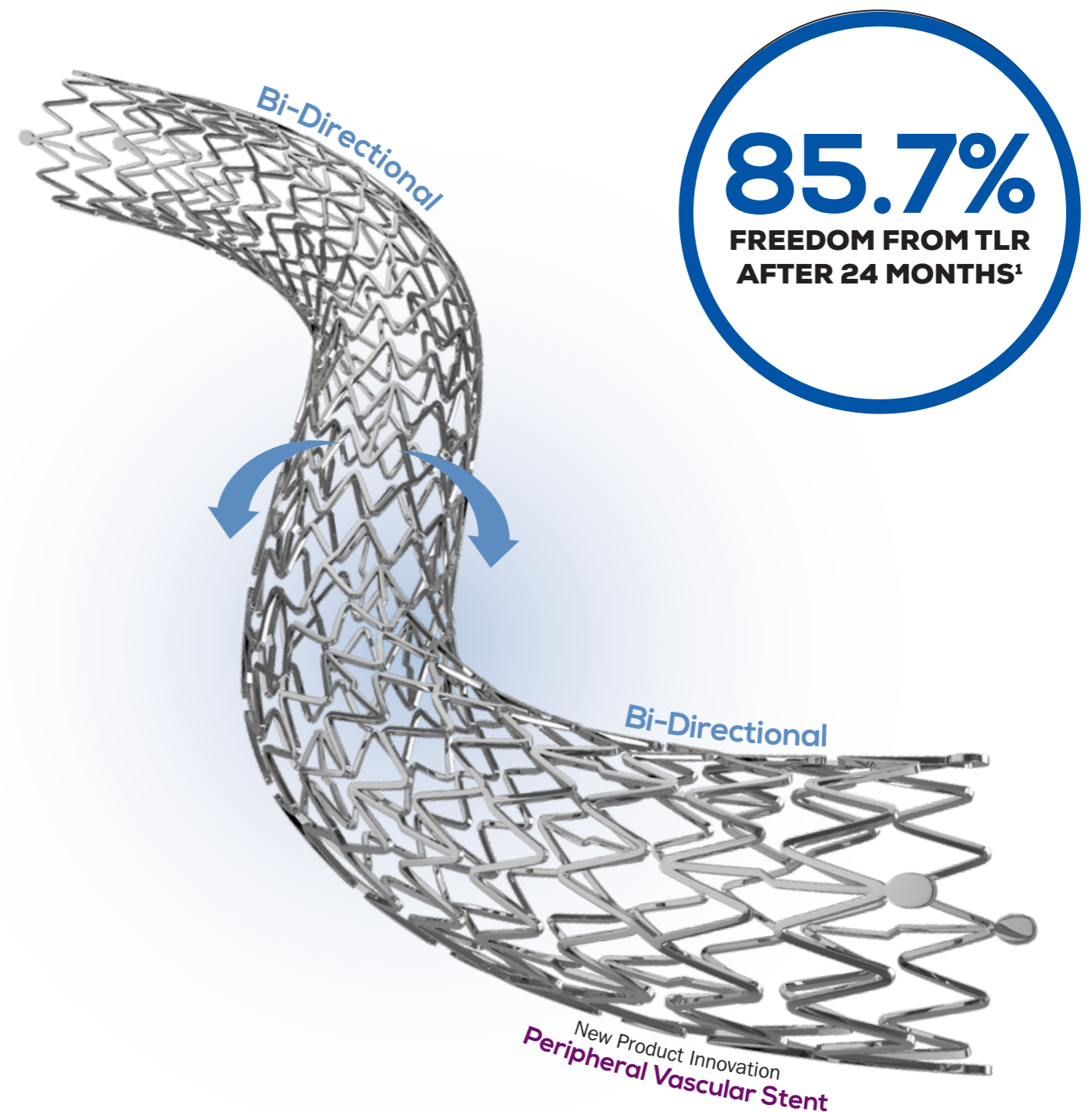
- > **Nitinol Stent** with tantalum markers provides excellent visibility under fluoroscopy
- > **Minimal Foreshortening** ensures accurate positioning and placement
- > **Delivery Catheter** ensures accurate and easy 1:1 delivery

ENHANCED CATHETER

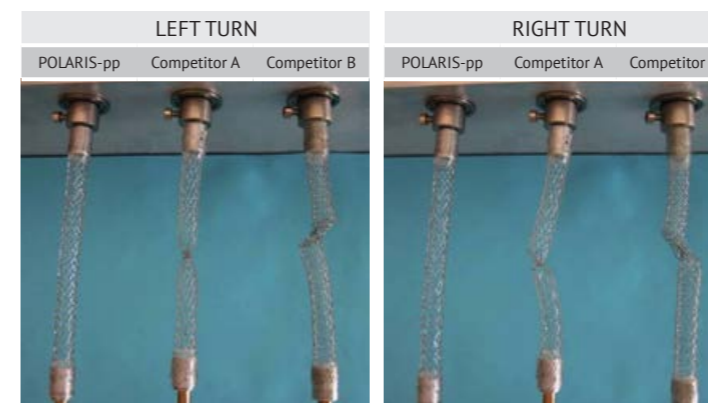
- > **Durability** for greater shelf life and improved pushability
- > **Accuracy** provided through lower deployment force for more accurate stent placement
- > **Integrated Connector Port** for ease of flushing and injection of contrast material
- > **Usable working Lengths** of 80 and 120 cm, guided over 0.035" guidewire

FLEXIBILITY & STRENGTH

- > **Unique Wave Design** provides flexibility without sacrificing radial strength
- > **Flexible Connectors** provide high resistance against bending, torsion, and compression stress
- > **Highly Flexible Delivery Catheter** facilitates navigation of tortuous anatomy



TORSION AND DIRECTIONALITY TESTING
One Full Turn



1. Krankenberg, H., et al (LINC 2019). *Bi-directional, Self-Expanding Stent for Superficial Femoral Artery Lesions – 2-year Interim-Results from the Q3 Registry.*

POLARIS-pp ADVANCE

Peripheral Vascular Self-Expanding Stent System Pin Pull Device

TECHNICAL SPECIFICATIONS

Stent

Description	Self-Expandable Nitinol Stent
Material	Nickel titanium alloy
Diameter	5.0 6.0 7.0 8.0 9.0 10.0 11.0 mm
Lengths	20 40 60 80 100 120 150 175 200 mm
Visibility	4 x-ray markers at each end Tantalum marker

Stent Delivery System

Recommended Guidewire	0.035" (0.89 mm)
Recommended Introducer	6 F
Usable Catheter Lengths	80 cm and 120 cm
Delivery Device	Pin Pull Delivery System

ORDER INFORMATION

Short

Usable catheter length **80 cm**

Diameter (mm)	Length (mm)								
	20	40	60	80	100	120	150	175	200
5	08 APS 05020	08 APS 05040	08 APS 05060	08 APS 05080	08 APS 05100	08 APS 05120	08 APS 05150	08 APS 05175	08 APS 05200
6	08 APS 06020	08 APS 06040	08 APS 06060	08 APS 06080	08 APS 06100	08 APS 06120	08 APS 06150	08 APS 06175	08 APS 06200
7	08 APS 07020	08 APS 07040	08 APS 07060	08 APS 07080	08 APS 07100	08 APS 07120	08 APS 07150	08 APS 07175	08 APS 07200
8	08 APS 08020	08 APS 08040	08 APS 08060	08 APS 08080	08 APS 08100	08 APS 08120	08 APS 08150	08 APS 08175	08 APS 08200
9	08 APS 09020	08 APS 09040	08 APS 09060	08 APS 09080	08 APS 09100	08 APS 09120	08 APS 09150		
10	08 APS 10020	08 APS 10040	08 APS 10060	08 APS 10080	08 APS 10100	08 APS 10120	08 APS 10150		
11	08 APS 11020	08 APS 11040	08 APS 11060	08 APS 11080	08 APS 11100	08 APS 11120	08 APS 11150		

Long

Usable catheter length **120 cm**

Diameter (mm)	Length (mm)								
	20	40	60	80	100	120	150	175	200
5	12 APS 05020	12 APS 05040	12 APS 05060	12 APS 05080	12 APS 05100	12 APS 05120	12 APS 05150	12 APS 05175	12 APS 05200
6	12 APS 06020	12 APS 06040	12 APS 06060	12 APS 06080	12 APS 06100	12 APS 06120	12 APS 06150	12 APS 06175	12 APS 06200
7	12 APS 07020	12 APS 07040	12 APS 07060	12 APS 07080	12 APS 07100	12 APS 07120	12 APS 07150	12 APS 07175	12 APS 07200
8	12 APS 08020	12 APS 08040	12 APS 08060	12 APS 08080	12 APS 08100	12 APS 08120	12 APS 08150	12 APS 08175	12 APS 08200
9	12 APS 09020	12 APS 09040	12 APS 09060	12 APS 09080	12 APS 09100	12 APS 09120	12 APS 09150		
10	12 APS 10020	12 APS 10040	12 APS 10060	12 APS 10080	12 APS 10100	12 APS 10120	12 APS 10150		
11	12 APS 11020	12 APS 11040	12 APS 11060	12 APS 11080	12 APS 11100	12 APS 11120	12 APS 11150		

The product official name is: POLARIS-pp Peripheral Vascular Self-Expanding Stent System

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PROPOS^S 6F

Peripheral Balloon Expandable Stent System

TECHNICAL SPECIFICATIONS

Description	Expandable Stent System Semi-Compliant OTW
Material	Cobalt Chromium alloy
Lengths	17 26 36 57 mm
Recommended Guidewire	0.035" (0.89 mm)
Recommended Introducer Sheath	6 F
Nominal Pressure	9 bar
Rated Burst Pressure (RBP)	Ø 5 to 7 = 18 bar Ø 8 = 16 bar Ø 9 to 10 = 13 bar
Working Catheter Length	80 cm 120 cm 150 cm
X-ray Marker	2 markers (90% Platinum / 10% Iridium) at each balloon end, proximal and distal
Low Entry Profile	0.95 ± 0.025 mm (0.037")
Balloon Material	Nylon 12
Hydrophilic Coating	400 mm distal

ORDER INFORMATION

Usable catheter length **80 cm**

Diameter (mm)	Stent Length (mm) Balloon Length (mm)			
	17 20	26 30	36 40	57 60
5	08 QBX 050176F	08 QBX 050266F	08 QBX 050366F	08 QBX 050576F
6	08 QBX 060176F	08 QBX 060266F	08 QBX 060366F	08 QBX 060576F
7	08 QBX 070176F	08 QBX 070266F	08 QBX 070366F	08 QBX 070576F
8	08 QBX 080176F	08 QBX 080266F	08 QBX 080366F	08 QBX 080576F
9	08 QBX 090176F	08 QBX 090266F	08 QBX 090366F	08 QBX 090576F
10	08 QBX 100176F	08 QBX 100266F	08 QBX 100366F	08 QBX 100576F

Usable catheter length **120 cm**

Diameter (mm)	Stent Length (mm) Balloon Length (mm)			
	17 20	26 30	36 40	57 60
5	12 QBX 050176F	12 QBX 050266F	12 QBX 050366F	12 QBX 050576F
6	12 QBX 060176F	12 QBX 060266F	12 QBX 060366F	12 QBX 060576F
7	12 QBX 070176F	12 QBX 070266F	12 QBX 070366F	12 QBX 070576F
8	12 QBX 080176F	12 QBX 080266F	12 QBX 080366F	12 QBX 080576F
9	12 QBX 090176F	12 QBX 090266F	12 QBX 090366F	12 QBX 090576F
10	12 QBX 100176F	12 QBX 100266F	12 QBX 100366F	12 QBX 100576F

Usable catheter length **150 cm**

Diameter (mm)	Stent Length (mm) Balloon Length (mm)			
	17 20	26 30	36 40	57 60
5	15 QBX 050176F	15 QBX 050266F	15 QBX 050366F	15 QBX 050576F
6	15 QBX 060176F	15 QBX 060266F	15 QBX 060366F	15 QBX 060576F
7	15 QBX 070176F	15 QBX 070266F	15 QBX 070366F	15 QBX 070576F
8	15 QBX 080176F	15 QBX 080266F	15 QBX 080366F	15 QBX 080576F
9	15 QBX 090176F	15 QBX 090266F	15 QBX 090366F	15 QBX 090576F
10	15 QBX 100176F	15 QBX 100266F	15 QBX 100366F	15 QBX 100576F

Maximum Balloon Profile **1.70 mm**

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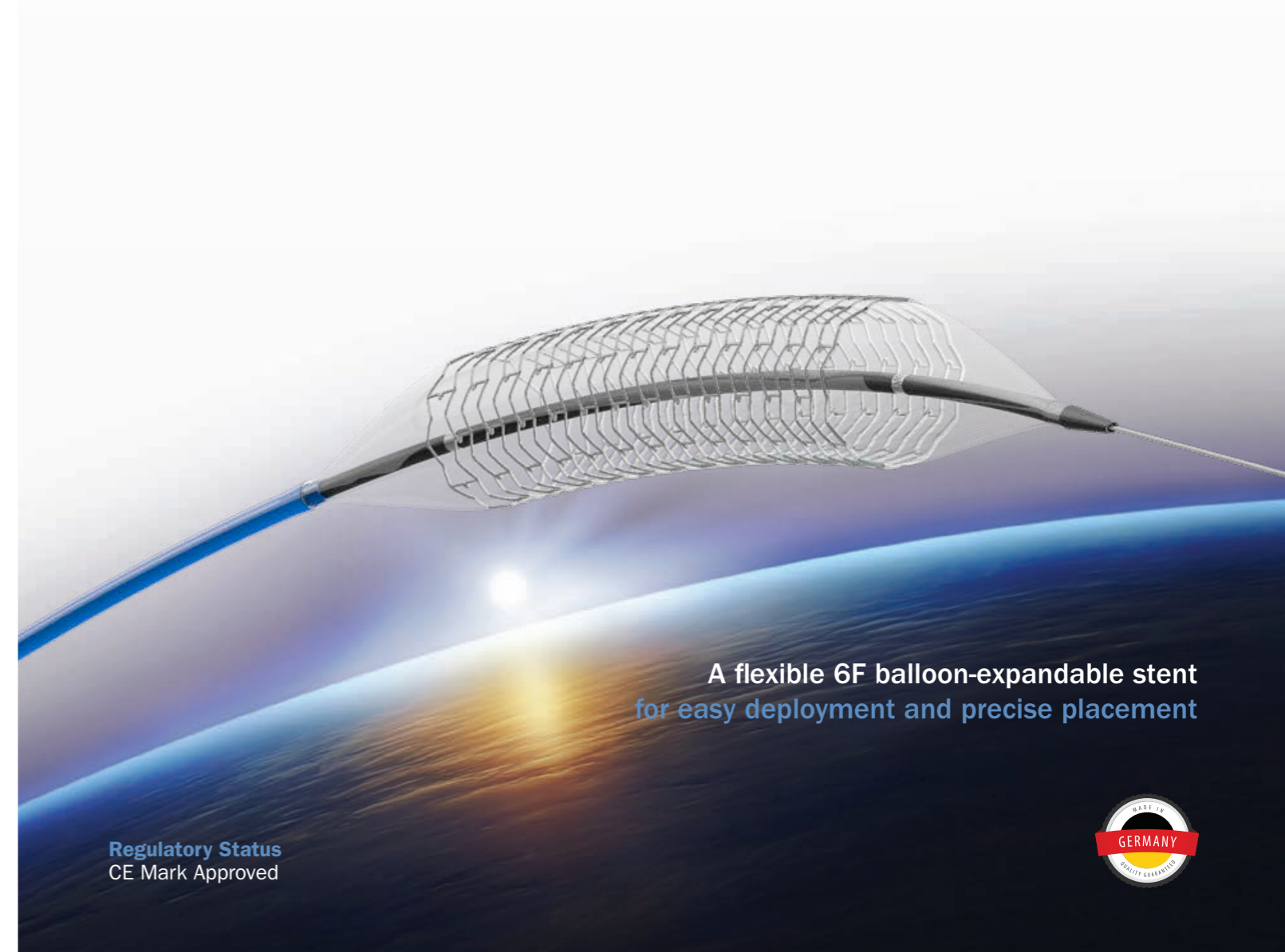


BRO_PROPOS S 6F REV. A



PROPOS^S 6F

Peripheral Balloon Expandable Stent System



A flexible 6F balloon-expandable stent
for easy deployment and precise placement

Regulatory Status
CE Mark Approved



The **PROPOS^S 6F** Peripheral Balloon Expandable Stent is a flexible, cobalt chromium stent mounted on an over-the-wire PTA balloon catheter.

It is designed for use in peripheral vessel diameters from 5.0 mm to 10.0 mm.

The PROPOS^S 6F is mounted on an 0.035" delivery system and is available in a full range of diameters and lengths with a shelf life of 2 years.

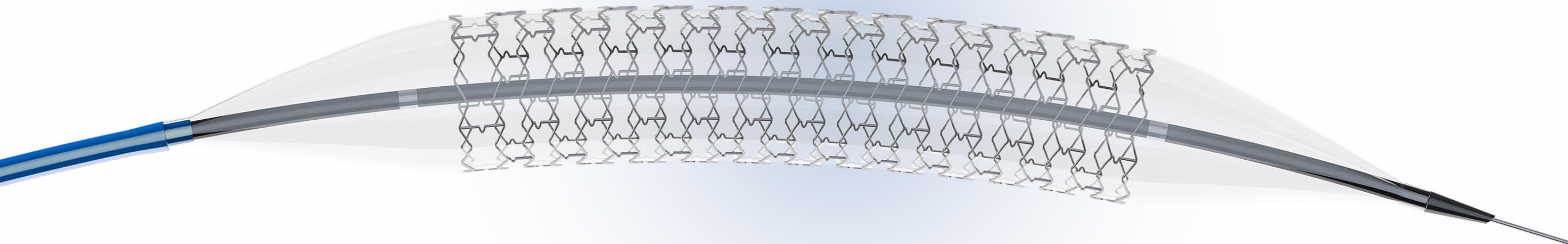
The PROPOS^S 6F Peripheral Balloon Expandable Stent System provides a means of safely advancing the stent through the peripheral vessels to the desired location.

COMPLIANCE TABLE

Pressure (bar)	Stent Diameter (mm)					
	5	6	7	8	9	10
5	4.63	5.44	6.19	7.35	7.84	8.82
6	4.69	5.51	6.28	7.48	8.06	9.03
7	4.77	5.59	6.38	7.61	8.34	9.33
8	4.86	5.72	6.53	7.78	8.64	9.59
9	4.99	5.86	6.74	7.92	8.89	9.78
10	5.21	6.01	6.97	8.07	9.11	10.08
11	5.29	6.15	7.14	8.19	9.27	10.17
12	5.34	6.28	7.29	8.30	9.41	10.24
13	5.39	6.38	7.41	8.38	9.52	10.30
14	5.46	6.46	7.51	8.44	-	-
15	5.53	6.53	7.63	8.51	-	-
16	5.58	6.60	7.72	8.56	-	-
17	5.63	6.66	7.79	-	-	-
18	5.69	6.72	7.89	-	-	-

Outer diameter of Stent Implantation System ($\pm 10\%$)

Nominal Pressure
Rated Burst Pressure



KEY FEATURES

- > **6 F Introducer compatibility** for all sizes
- > **Low crossing profile** for all diameters
- > **Combination low shaft and tip entry profile**
- > **Soft, tapered balloon tip** for less trauma
- > **Flexible stent design**
- > **High radial strength**

BENEFITS

- > **Simple to use**
- > **Reduce puncture site diameter**
- > **Easy deployment and precise placement**
- > **Even and accurate stent expansion**
- > **Good accessibility and high pushability** across the peripheral vessels



PYXIS-c

PTCA Balloon Catheter
Rapid Exchange



For dilatation of de novo, restenotic
and occluded coronary arteries

Regulatory Status
CE Mark Approved



PYXIS-c

PTCA Balloon Catheter
Rapid Exchange

The **PYXIS-c** is a **rapid exchange** type, semi-compliant coronary dilation catheter.

CATHETER HIGHLIGHTS

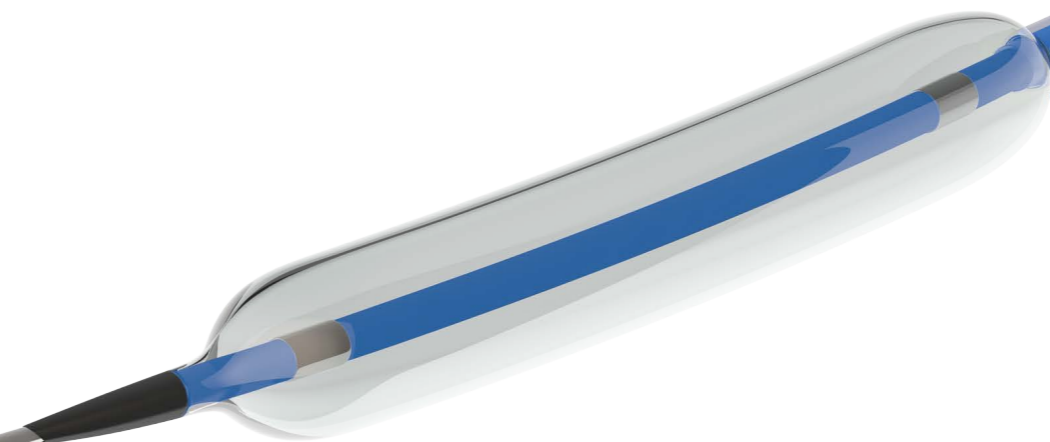
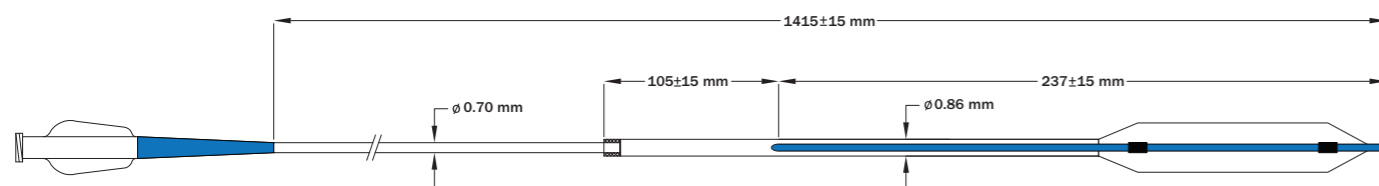
- > **Unibody Hypotube Shaft** enhances pushability and procedure control
- > **Highly Flexible balloon catheter** to facilitate navigation of tortuous anatomy
- > **Soft Tapered Modular Tip** for excellent guidewire conformance and atraumatic guidance
- > **Hydrophilic coated** for better navigation through angulated anatomy

BALLOON HIGHLIGHTS

- > **Low Profile Design** for accessing difficult lesions
- > **Excellent Radiopacity** for easier visualization during placement
- > **Broad Range of Sizes** provides a wide range of solutions
- > **Balloon Crossing Profile** min 0.53 mm (0.020")
- > **Entry Profile** >0.45 mm (0.018") and <0.54 mm (0.021")

COMPLIANCE TABLE

Pressure (bar)	Balloon Diameter (mm)										
	1.50	2.00	2.25	2.50	2.75	3.00	3.25	3.50	4.00	4.50	5.00
4	1.40	1.80	2.10	2.30	2.55	2.75	3.00	3.15	3.70	4.25	4.70
5	1.42	1.84	2.13	2.34	2.59	2.80	3.05	3.22	3.76	4.30	4.76
6	1.44	1.88	2.16	2.38	2.63	2.85	3.10	3.29	3.82	4.35	4.82
7	1.46	1.92	2.19	2.42	2.67	2.90	3.15	3.36	3.88	4.40	4.88
8	1.48	1.96	2.22	2.46	2.71	2.95	3.20	3.43	3.94	4.45	4.94
9	1.50	2.00	2.25	2.50	2.75	3.00	3.25	3.50	4.00	4.50	5.00
10	1.52	2.04	2.28	2.54	2.79	3.05	3.30	3.57	4.06	4.55	5.06
11	1.54	2.08	2.31	2.58	2.83	3.10	3.35	3.64	4.12	4.60	5.12
12	1.56	2.12	2.34	2.62	2.87	3.15	3.40	3.71	4.18	4.65	5.18
13	1.58	2.16	2.37	2.66	2.91	3.20	3.45	3.78	4.24	4.70	5.24
14	1.60	2.20	2.40	2.70	2.95	3.25	3.50	3.85	4.30	4.75	5.30
15	1.62	2.24	2.43	2.74	2.99	3.30	3.55	3.92	4.36	4.80	-
16	1.64	2.28	2.46	2.78	3.03	3.35	3.60	3.99	4.42	4.85	-
17	1.66	2.32	2.49	2.82	3.07	3.40	3.65	4.06	-	-	-
18	1.68	2.36	2.52	2.86	3.11	3.45	3.70	4.13	-	-	-
Nominal pressure	9	9	9	9	9	9	9	9	9	9	9
RBP	18	18	18	18	18	18	18	18	16	16	14



PYXIS-c

PTCA Balloon Catheter Rapid Exchange

TECHNICAL SPECIFICATIONS

Description	PTCA Balloon Catheter Semi-Compliant Rapid Exchange
Recommended Guidewire	0.014"
Recommended Guiding Catheter	5 F
Usable Catheter Length	141.5 cm
Entry Profile	>0.45 mm (0.018") and <0.54 mm (0.021")
Balloon Crossing Profile	min 0.53 mm (0.020")
Distal Length	23.7 cm
Proximal Shaft Diameter	2.1 F
Distal Shaft Diameter	max. 2.6 F
Rated Burst Pressure (RBP)	14-18 bar
X-ray Balloon Marker	2 markers located on the inner distal shaft under balloon section
Other attributes	Non-traumatic tapered tip Platinum/Iridium marker

ORDER INFORMATION

Diameter (mm)	Length (mm)									
	10	11	12	15	16	20	25	30	35	40
1.50	PC1510	PC1511	PC1512	PC1515	PC1516	PC1520	-	-	-	-
2.00	PC2010	PC2011	PC2012	PC2015	PC2016	PC2020	PC2025	PC2030	PC2035	PC2040
2.25	PC2210	PC2211	PC2212	PC2215	PC2216	PC2220	PC2225	PC2230	PC2235	PC2240
2.50	PC2510	PC2511	PC2512	PC2515	PC2516	PC2520	PC2525	PC2530	PC2535	PC2540
2.75	PC2710	PC2711	PC2712	PC2715	PC2716	PC2720	PC2725	PC2730	PC2735	PC2740
3.00	PC3010	PC3011	PC3012	PC3015	PC3016	PC3020	PC3025	PC3030	PC3035	PC3040
3.25	PC3210	PC3211	PC3212	PC3215	PC3216	PC3220	PC3225	PC3230	PC3235	PC3240
3.50	PC3510	PC3511	PC3512	PC3515	PC3516	PC3520	PC3525	PC3530	PC3535	PC3540
4.00	PC4010	PC4011	PC4012	PC4015	PC4016	PC4020	PC4025	PC4030	PC4035	PC4040
4.50	-	PC4511	PC4512	-	PC4516	PC4520	PC4525	PC4530	-	-
5.00	-	PC5011	PC5012	-	PC5016	PC5020	PC5025	PC5030	-	-

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BRO_PYXIS-C_REL_ G
SEPTEMBER 2020

VMAX

Aspiration Catheter for thrombus removal

TECHNICAL SPECIFICATIONS

Description	Rapid Exchange Aspiration Catheter
Recommended Guidewire	0.014" (0.36 mm)
Recommended Guiding Catheter	6 F 7 F
Recommended Guiding Sheath	6 F / 7 F are compatible with 5 F sheath Minimum sheath ID 1.80 mm
Rapid Exchange Segment	75 mm
Tip Entry Profile	min 0.40 mm
X-ray Marker	One distal marker Platinum/Iridium
Coating	Hydrophilic coating present on distal shaft 260 mm (10.23")

Please refer to more technical specifications inside

ADDITIONAL FEATURES

Strain Relief Guard	Provides ease of pushability and prevents kinking
New Advanced Proximal Shaft Catheter	Supports tortuous anatomy – 300 mm strengthening of the proximal tube for more proximal stiffness

COMPONENTS INCLUDED

Components	<ul style="list-style-type: none"> • 30 ml polycarbonate locking syringes (x2) • Extension line with stopcock (x1) • 40 µm filter basket (x1)
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ORDER INFORMATION

Catalogue Number	Usable Catheter Length (cm)	Guiding Catheter (F)
VX6H05	135	6 F
VX7H15	141	7 F

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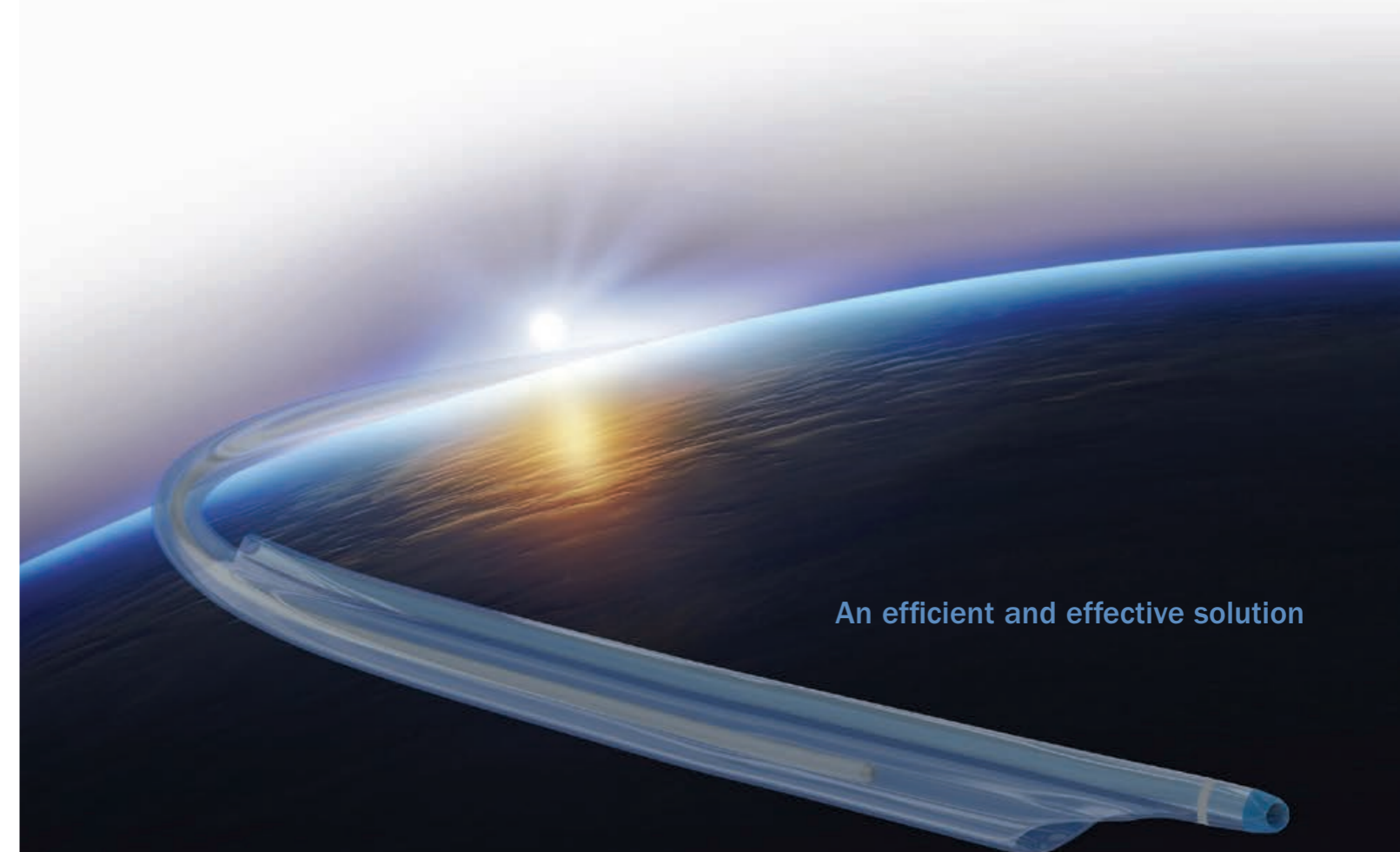
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VMAX

Aspiration Catheter for thrombus removal



An efficient and effective solution

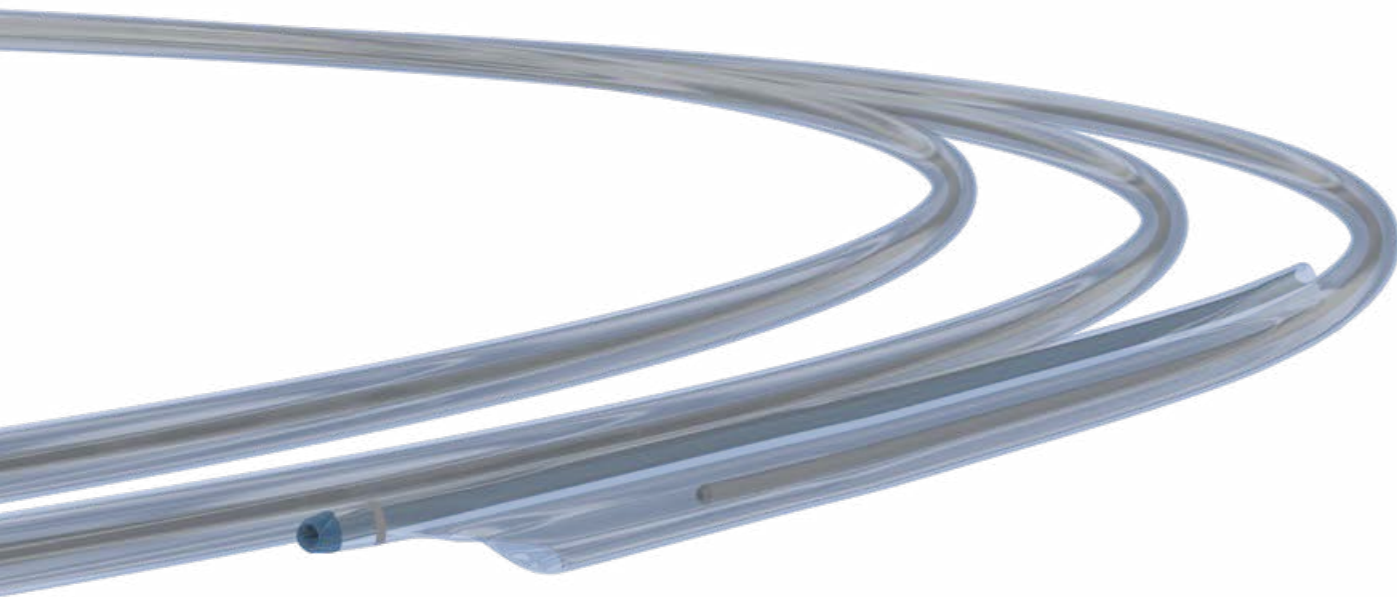
Regulatory Status
CE Mark Approved



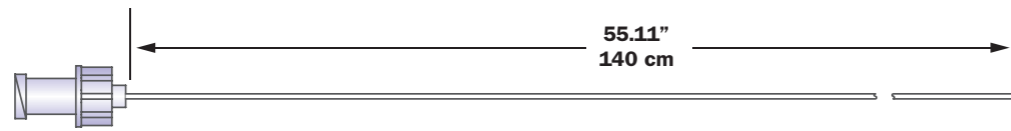
VMAX

Aspiration Catheter
for thrombus removal

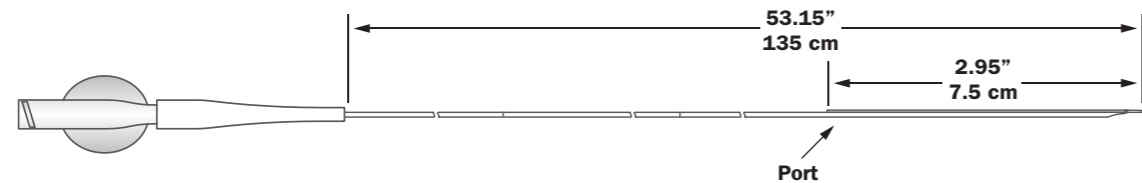
The **VMAX** is designed to provide an **efficient** and **effective** solution for **thrombus removal**. Offering excellent **trackability**, **pushability**, and **aspiration volume**.



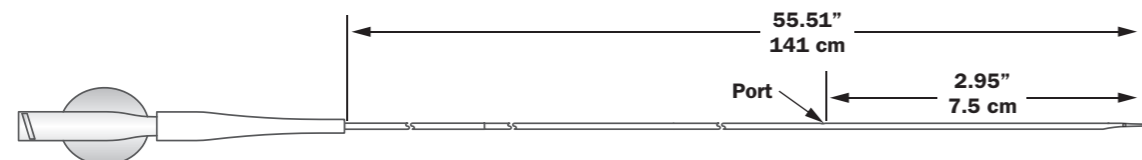
Stylet



6 F



7 F



DELIVERY SYSTEM

- > **Pre-loaded Stylet** provides improved pushability and kink resistance, ensuring optimal catheter delivery in tortuous vessels
- > **Smooth Catheter** provides excellent flexibility
- > **Hydrophilic Coating** allows for easy navigation through tortuous anatomy

TECHNICAL SPECIFICATIONS

VMAX	6 F	7 F
Aspiration Catheter Specifications		
	Calculation of Port Area	
Guidewire	0.36 mm (0.014")	0.36 mm (0.014")
Rapid Exchange (RX)	75 mm (2.95")	75 mm (2.95")
Working Length	135 cm (53.15")	141 cm (55.51")
Catheter Type	Non-Braided	Non-Braided
Max. Outer Diameter Distal	1.75 mm (0.069")	1.58 mm (0.062")
Inner Diameter (I.D.)	1.10 mm (0.043")	1.30 mm (0.05")
Aspiration Port Opening	4.8 mm (0.189")	4.8 mm (0.189")
Entry Tip Diameter	>0.40 mm <0.50 mm	>0.40 mm <0.50 mm
Aspiration Area (Cath. Cross Section)	0.95 mm ²	1.33 mm ²
Radiopaque Marker Band (Distance Tip to Marker)	3.5 mm (0.14")	3.5 mm (0.14")

ASPIRATION VOLUME

- > **Large Extraction Lumen** due to shaft construction, ensures optimal aspiration rates
- > **Short Tip Design** for deliverability and increased safety during aspiration procedure
- > **Large Aspiration Port** allows for a higher rate of aspiration and increased aspiration volume