



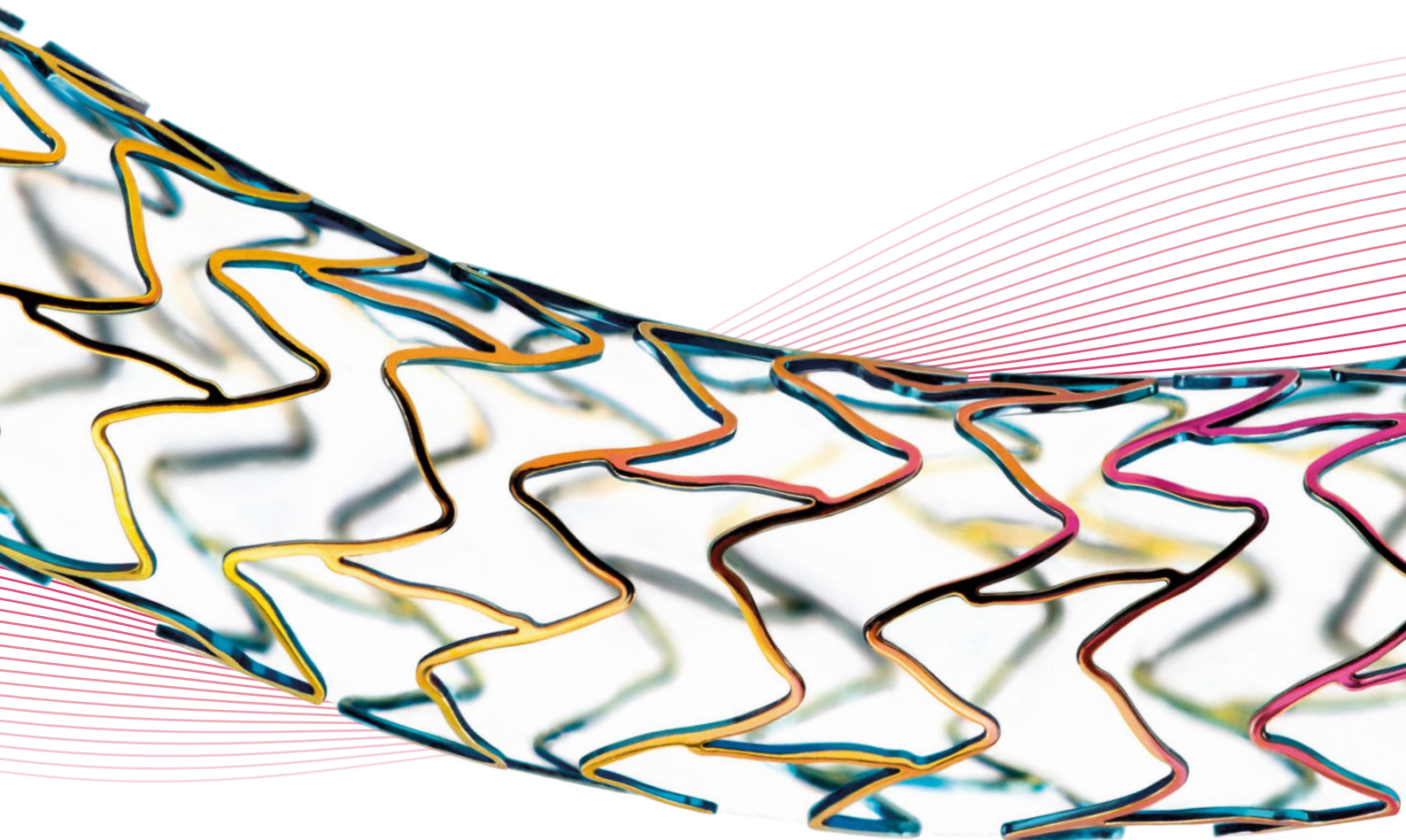
VI Product Catalogue

May 2020

Vascular Intervention // **Coronary**
Drug-Eluting Stent System

Orsiro[®]

Ultrathin struts. Outstanding patient outcomes.



Outstanding patient outcomes



Highly deliverable



Ultrathin 60* μ m struts

* \varnothing 2.25 – 3.0 mm



BIOTRONIK
excellence for life



Indicated for discrete de novo stenotic lesions
and in-stent restenotic lesions.*

Technical Data		Stent
Stent material		Cobalt chromium, L-605
Passive coating		proBIO® (Amorphous Silicon Carbide)
Active coating		BIOlute™ bioabsorbable Poly-L-Lactide (PLLA) eluting a limus drug
Drug dose		1.4 µg/mm ²
Strut thickness		ø 2.25 - 3.0 mm: 60 µm (0.0024"); ø 3.50 - 4.0 mm: 80 µm (0.0031")
		Delivery system
Catheter type		Rapid exchange
Recommended guide catheter		5F (min. I.D. 0.056")
Lesion entry profile		0.017"
Guide wire diameter		0.014"
Usable catheter length		140 cm
Balloon material		Semi crystalline polymer material
Coating (distal shaft)		Hydrophilic coating
Marker bands		Two swaged platinum-iridium markers
Proximal shaft diameter		2.0F
Distal shaft diameter		2.6F: ø 2.25 - 3.5 mm; 2.8F: ø 4.0 mm
Nominal pressure (NP)		8 atm
Rated burst pressure (RBP)		16 atm

Compliance Chart		Balloon diameter x length (mm)					
		ø 2.25 x 9-40	ø 2.50 x 9-40	ø 2.75 x 9-40	ø 3.00 x 9-40	ø 3.50 x 9-40	ø 4.00 x 9-40
Nominal Pressure (NP)	atm**	8	8	8	8	8	8
	ø (mm)	2.25	2.50	2.75	3.00	3.50	4.00
Rated Burst Pressure (RBP)	atm**	16	16	16	16	16	16
	ø (mm)	2.50	2.77	3.05	3.33	3.88	4.44

**1 atm = 1.013 bar

Ordering Information	Stent ø (mm)	Catheter length 140 cm Stent length (mm)								
		9	13	15	18	22	26	30	35	40
	2.25	364469	364475	364481	364487	364499	364505	364511	391234	391238
	2.50	364470	364476	364482	364488	364500	364506	364512	391235	391239
	2.75	364471	364477	364483	364489	364501	364507	364513	391236	391240
	3.00	364472	364478	364484	364490	364502	364508	364514	391237	391241
	3.50	364473	364479	364485	364491	364503	364509	364515	391018	391020
	4.00	364474	364480	364486	364492	364504	364510	364516	391019	391021

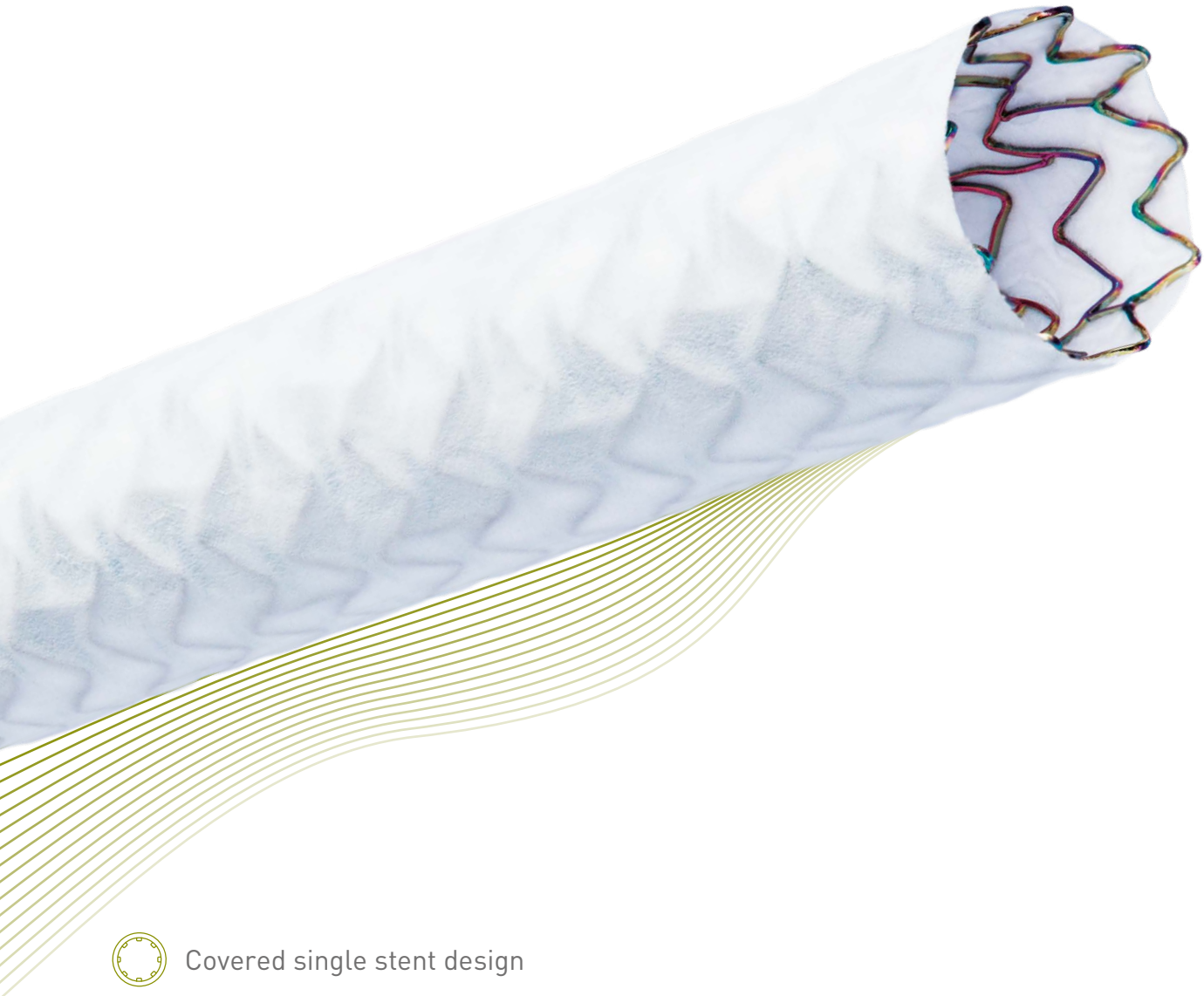
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Vascular Intervention // **Coronary**
Covered Coronary Stent System

PK Papyrus[®]

Designed to save lives when seconds count.



Covered single stent design



Low crossing profile



Exceptional deliverability

PK Papyrus[®]

Vascular
Intervention
Coronary



Indicated for acute coronary artery perforations.*

Technical Data	Stent
Stent cover material	Non-woven, electrospun polyurethane
Stent strut thickness	∅ 2.5 - 3.0 mm: 60 µm (0.0024"); ∅ 3.5 - 4.0 mm: 80 µm (0.0031"); ∅ 4.5 - 5.0 mm: 120 µm (0.0047")
Stent material	Cobalt chromium (L-605) with proBIO [®] (Amorphous Silicon Carbide) coating
Maximum stent expansion diameter	∅ 2.5 - 3.0 mm: 3.50 mm; ∅ 3.5 - 4.0 mm: 4.65 mm; ∅ 4.5 - 5.0 mm: 5.63 mm
Delivery system	
Guide wire diameter	0.014"
Usable catheter length	140 cm
Recommended guide catheter	∅ 2.5 - 4.0 mm: 5F (min. I.D.** 0.056"); ∅ 4.5 - 5.0 mm: 6F (min. I.D.** 0.070")
Nominal pressure (NP)	∅ 2.5 - 3.5 mm: 8 atm; ∅ 4.0 - 5.0 mm: 7 atm
Rated burst pressure (RBP)	∅ 2.5 - 4.0 mm: 16 atm; ∅ 4.5 - 5.0 mm: 14 atm

**I.D. = Inner Diameter

Ordering Information	Stent ∅ (mm)	Catheter length 140 cm Stent length (mm)		
		15	20	26
5F	2.5	369380	369386	-
	3.0	369381	369387	381789
	3.5	369382	369388	381790
	4.0	369383	369389	381791
6F	4.5	369384	369390	369392
	5.0	369385	369391	369393

*Indication as per IFU.

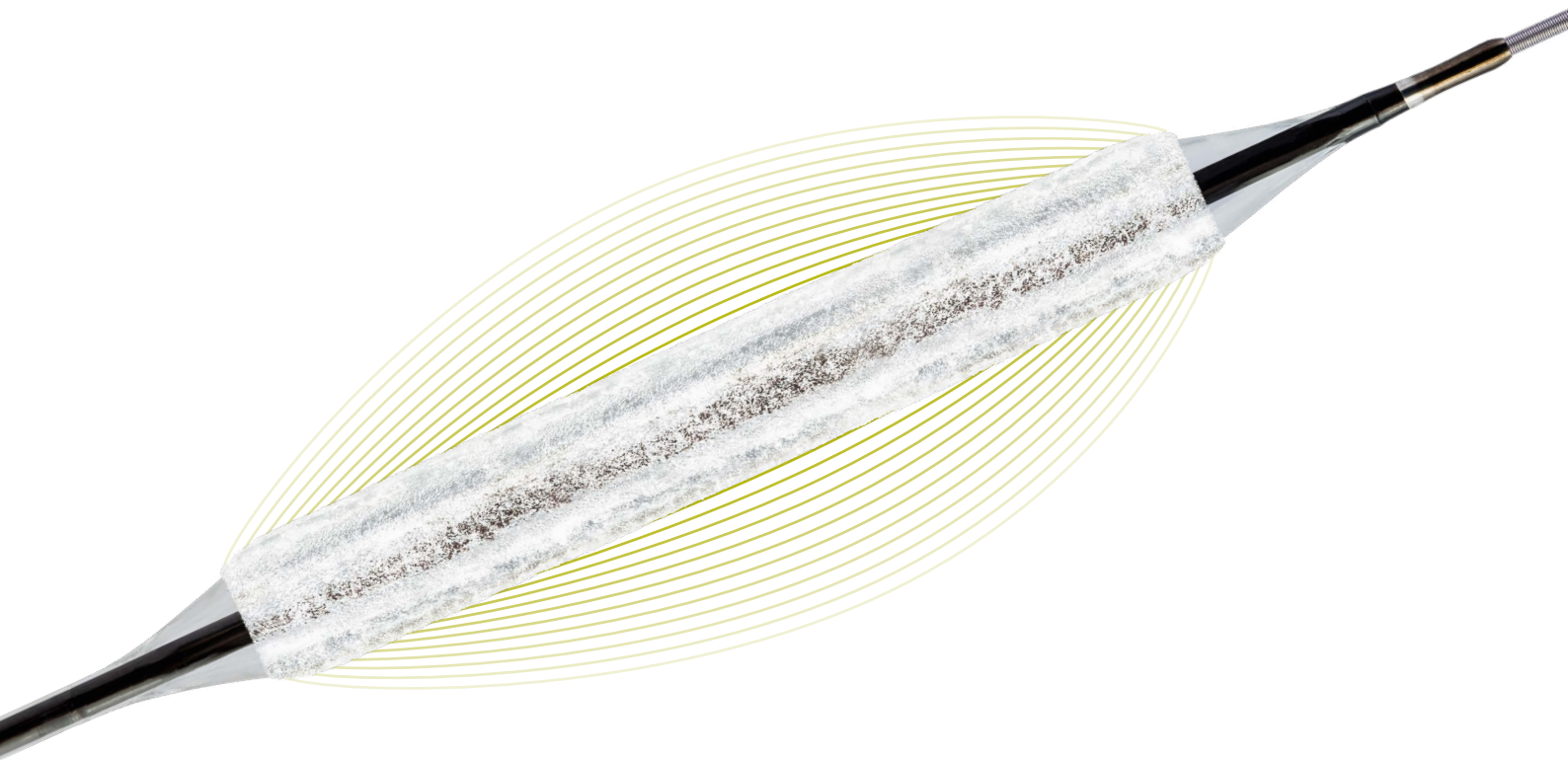
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4 Drug-Coated Balloon Catheters

Vascular Intervention // **Coronary**
Drug-Coated Balloon Catheter

Pantera[®] Lux[™]



Clinically proven solution for in-stent restenosis and de novo lesions



Lux coating technology for rapid drug absorption



Advanced trackability

Pantera[®] Lux[™]

Vascular
Intervention
Coronary



Indicated for balloon dilatation for in-stent restenosis, de-novo lesions, acute or impending vascular occlusion and treatment of small vessel disease.*

Technical Data

Drug-coated balloon catheter

Catheter type	Fast-exchange PTCA balloon catheter
Recommended guiding catheter	5F (min. I.D. 0.056")
Lesion entry profile	0.017"
Guide wire diameter	0.014"
Usable catheter length	140 cm
Balloon folding	3-fold
Balloon markers	Two embedded platinum-iridium markers
Brachial shaft marker	92 cm from tip
Femoral shaft marker	102 cm from tip
Proximal shaft diameter	2.0F
Distal shaft diameter	2.5F (ø 2.0 - 3.5 mm), 2.6F (ø 4.0 mm)
Nominal Pressure (NP)	7 atm
Rated Burst Pressure (RBP)	13 atm (ø 2.0 - 3.5 mm); 12 atm (ø 4.0 mm)

Coating

Drug	Paclitaxel
Drug dose	3.0 µg/mm ²
Delivery matrix	Paclitaxel and Butyryl-tri-hexyl citrate (BTHC)
Coated area	Cylindrical section of the balloon, exceeding the proximal and distal markers

Compliance Chart

Balloon diameter x length (mm)

		ø 2.0 x 10-30	ø 2.5 x 10-30	ø 3.0 x 10-30	ø 3.5 x 10-30	ø 4.0 x 10-30
Nominal Pressure (NP)	atm**	7	7	7	7	7
	ø (mm)	2.00	2.50	3.00	3.50	4.00
Rated Burst Pressure (RBP)	atm**	13	13	13	13	12
	ø (mm)	2.26	2.82	3.48	4.11	4.59

**1 atm = 1.013 bar

Ordering Information

Balloon ø (mm) Catheter length 140cm Balloon length (mm)

	10	15	20	25	30
2.0	365110	365111	365112	365113	365114
2.5	365120	365121	365122	365123	365124
3.0	365125	365126	365127	365128	365129
3.5	365130	365131	365132	365133	365134
4.0	365135	365136	365137	365138	365139

*Indication as per IFU (may differ in countries not accepting CE mark).

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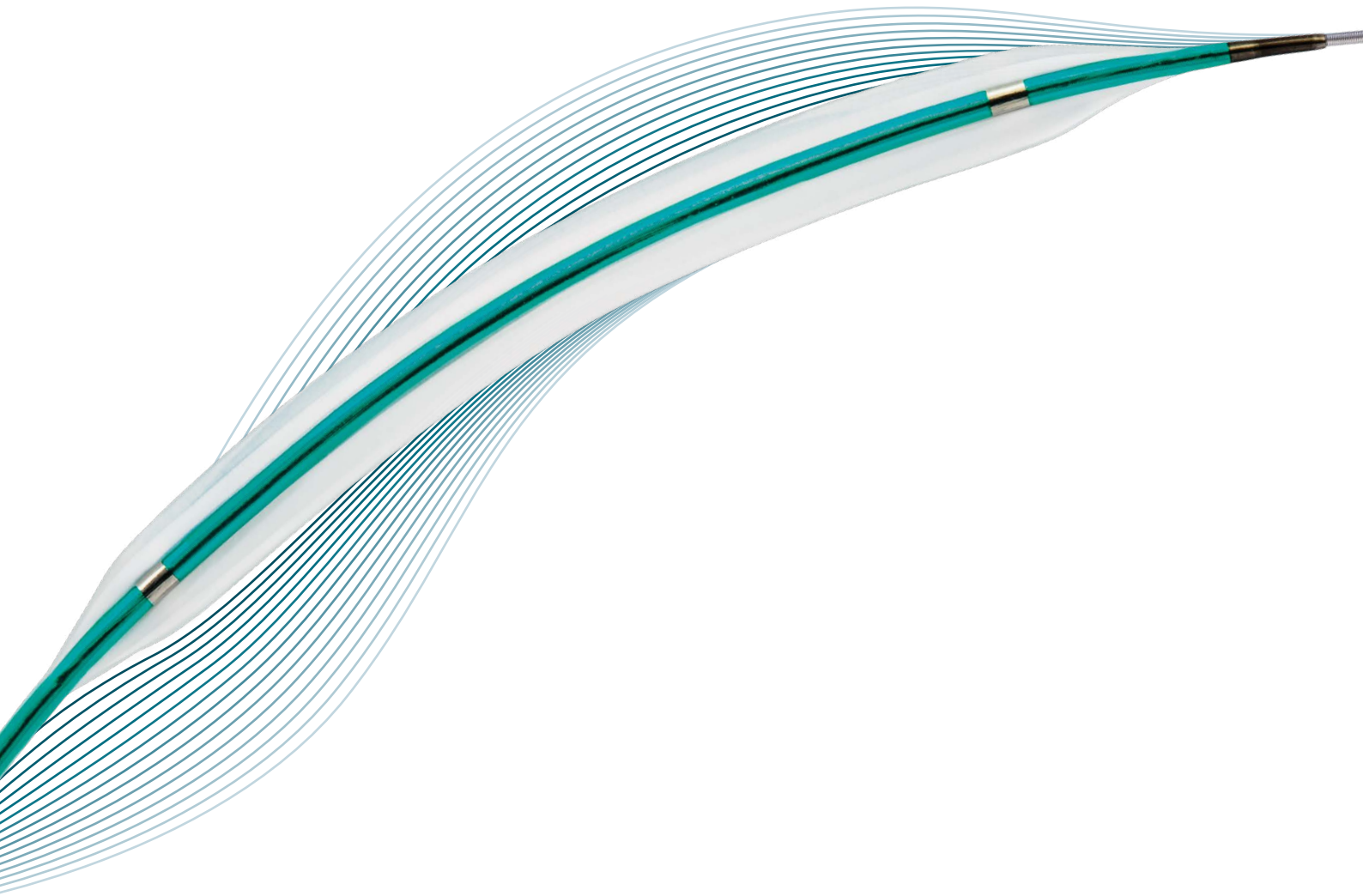
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5 Balloon Catheters

Pantera[®] Pro



Lowest crossability in tight lesions



43% less friction during kissing
balloon technique



38% more push to reach target lesion

Pantera[®] Pro

Indicated for dilatation of coronary artery or bypass graft stenosis.*

Vascular
Intervention
Coronary



Technical Data	Proximal shaft
	Design Hypotube design
	Diameter 2.0F
	Shaft markers 92 cm and 102 cm from tip
Distal shaft	
	Guiding catheter 5F (min. I.D. 0.056" / 1.42 mm)
	Guide wire diameter 0.014"
	Lesion entry profile 0.017"
	Usable length 140 cm
	Balloon material Semi Crystalline Co-Polymer
	Balloon folding \varnothing 1.25 - 1.5 mm: Two-fold; \varnothing 2.0 - 4.0 mm: Tri-fold
	Balloon markers Platinum-Iridium: \varnothing 1.25 - 1.5 mm one marker; \varnothing 2.0 - 4.0 mm two markers
	Coating distal shaft Hydrophilic (end of balloon to Guide Wire (GW) exit port)
	Balloon and tip coating \varnothing 1.25 - 2.0 mm: Hydrophilic \varnothing 2.50 - 4.0 mm: Hydrophobic
	Kissing balloon technique 6F guiding catheter (min. I.D. 0.070" / 1.78 mm), up to \varnothing 3.5 mm
	Diameter 2.6F (\varnothing 1.25 - 2.0 mm); 2.7F (\varnothing 2.5 - 3.5 mm); 2.9F (\varnothing 4.0 mm)

Compliance Chart		Balloon diameter x length (mm)						
		\varnothing 1.25 x 6-20	\varnothing 1.50 x 6-20	\varnothing 2.00 x 10-30	\varnothing 2.50 x 10-30	\varnothing 3.00 x 10-30	\varnothing 3.50 x 10-30	\varnothing 4.00 x 10-30
Nominal Pressure (NP)	atm**	7	7	7	7	7	7	7
	\varnothing (mm)	1.24	1.49	2.01	2.49	3.08	3.62	3.95
Rated Burst Pressure (RBP)	atm**	14	14	14	14	14	14	14
	\varnothing (mm)	1.37	1.72	2.23	2.93	3.50	4.06	4.55

**1 atm = 1.013 bar

Ordering Information	Balloon \varnothing (mm)	Catheter length 140 cm Balloon length (mm)					
		6	10	15	20	25	30
	1.25	393289	393291	393298	393305	-	-
	1.50	393290	393292	393299	393306	-	-
	2.00	-	393293	393300	393307	393312	393317
	2.50	-	393294	393301	393308	393313	393318
	3.00	-	393295	393302	393309	393314	393319
	3.50	-	393296	393303	393310	393315	393320
	4.00	-	393297	393304	393311	393316	393321

5F

*Indication as per IFU.

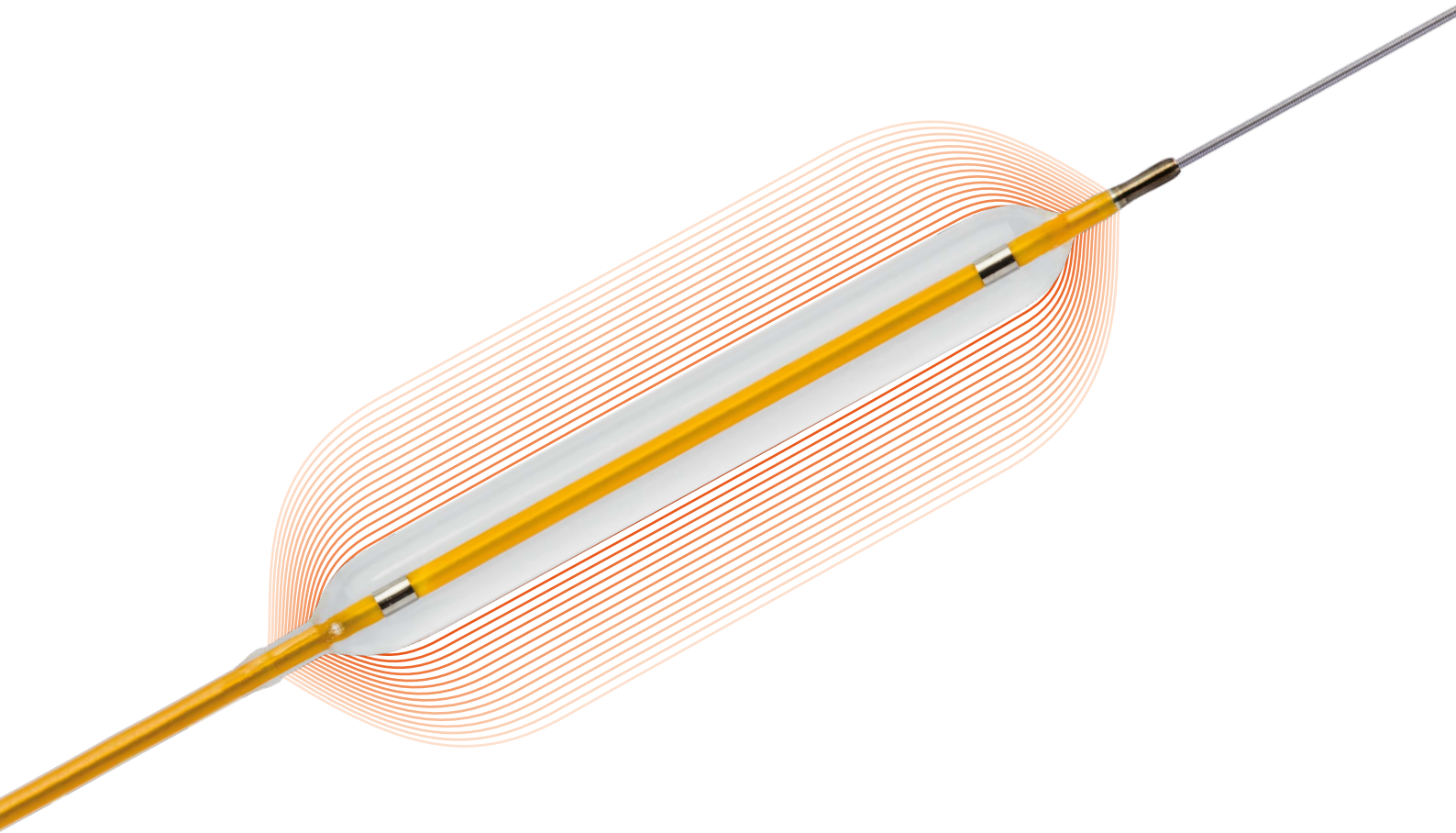
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Pantera[®] LE0



Lowest compliance in class
avoiding dog-bone effect



Precise dilatation



Enhanced crossability
and accurate placement

Pantera® LEO

Vascular
Intervention
Coronary



Indicated for stent post-dilatation and dilatation of a coronary artery or bypass graft stenosis.*

Technical Data		Proximal shaft	
Design		Hypotube design	
Diameter		2.0F	
Shaft markers		92 cm and 102 cm from tip	
Coating		Hydrophobic	
		Distal shaft	
Guiding catheter		5F (min. I.D. 0.056")	
Guide wire diameter		0.014"	
Lesion entry profile		0.018"	
Usable length		145 cm	
Distal shaft length		34 cm	
Balloon material		SCP (Semi Crystalline Polymer)	
Balloon folding		3-fold	
Balloon markers		Platinum-Iridium	
Coating		Hydrophilic (end of balloon to GW exit port); hydrophobic (balloon and tip)	
Diameter		2.6F (ø 2.0 - 3.75 mm); 2.7F (ø 4.0 - 5.0 mm)	

Compliance Chart		Balloon diameter x length (mm)										
		ø 2.00 x 8-30	ø 2.25 x 8-30	ø 2.50 x 8-30	ø 2.75 x 8-30	ø 3.00 x 8-30	ø 3.25 x 8-30	ø 3.50 x 8-30	ø 3.75 x 8-30	ø 4.00 x 8-30	ø 4.50 x 8-30	ø 5.00 x 8-30
Nominal Pressure (NP)	atm**	14	14	14	14	14	14	14	14	14	14	14
	ø (mm)	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.50	5.00
Rated Burst Pressure (RBP)	atm**	20	20	20	20	20	20	20	20	20	18	18
	ø (mm)	2.05	2.32	2.57	2.83	3.09	3.35	3.61	3.89	4.12	4.56	5.07

**1 atm = 1.013 bar

Ordering Information		Balloon ø (mm)	Catheter length 145 cm Balloon length (mm)				
			8	12	15	20	30
5F	2.00		366991	367002	367013	367024	367035
	2.25		366992	367003	367014	367025	367036
	2.50		366993	367004	367015	367026	367037
	2.75		366994	367005	367016	367027	367038
	3.00		366995	367006	367017	367028	367039
	3.25		366996	367007	367018	367029	367040
	3.50		366997	367008	367019	367030	367041
	3.75		366998	367009	367020	367031	367042
	4.00		366999	367010	367021	367032	367043
	4.50		367000	367011	367022	367033	367044
5.00		367001	367012	367023	367034	367045	

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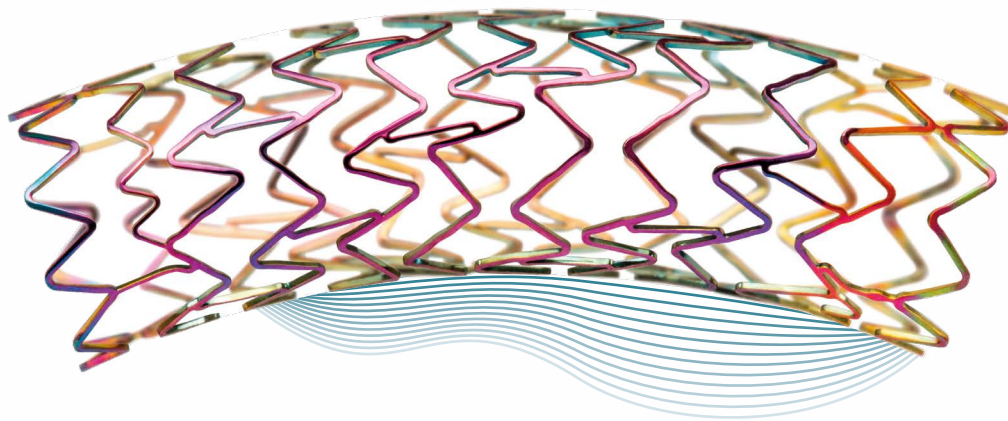
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BIO BIOTRONIK
excellence for life



1 Peripheral Stent Systems

Dynamic Renal



Proximal gold marker for superior visibility to support accurate stent placement



Cobalt chromium alloy combining a lower profile with high radial force

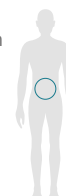


Double helix stent design for high flexibility

Dynamic Renal

Indicated for improving arterial luminal diameter in patients with clinical symptoms attributable to atherosclerotic stenosis of the renal arteries.

Vascular
Intervention
Peripheral



Technical Data	Stent
Stent	Balloon-expandable
Stent material	Cobalt Chromium (L605)
Strut thickness	120 µm (ø 4.5 - 5.0 mm) 140 µm (ø 6.0 - 7.0 mm)
Stent coating	proBIO® (Amorphous Silicon Carbide)
Stent marker	Proximal gold marker
Sizes	ø 4.5 - 7.0 mm; L: 12 - 19 mm
Delivery system	
Catheter type	Rapid exchange (Rx)
Recommended guide wire	0.014"
Tip	Soft, short and tapered
Balloon markers	2 swaged markers
Shaft (proximal)	Hydrophobic coating
Usable length	140cm
Nominal Pressure (NP)	10 atm
Rated Burst Pressure (RBP)	15 atm (ø 4.5 - 6.0 mm) 13 atm (ø 7.0 mm)

Compliance Chart		Balloon diameter x length (mm)			
		ø 4.5	ø 5.0	ø 6.0	ø 7.0
Nominal Pressure (NP)	atm*	10	10	10	10
	ø (mm)	4.5	5.0	6.0	7.0
Rated Burst Pressure (RBP)	atm*	15	15	15	13
	ø (mm)	4.7	5.3	6.2	7.2

*1 atm = 1.013 bar

Ordering Information	Stent ø (mm)	Catheter length 140 cm Stent length (mm)		
		12	15	19
4F	4.5	358582	368711	358586
	5.0	358583	368712	358587
5F	6.0	358584	368713	358588
	7.0	358585	368714	358589

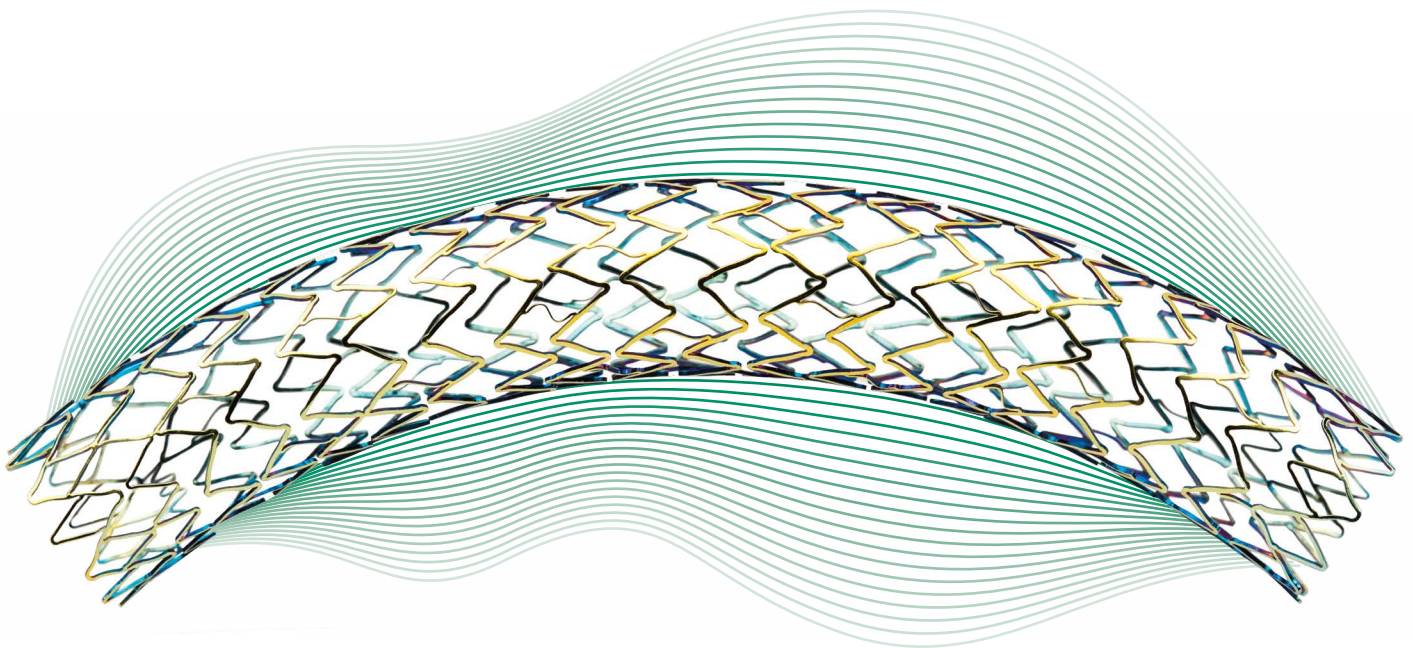
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Dynamic



Excellent trackability



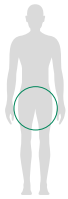
Stent designed for flexibility in
iliac arteries



Improved stent surface
biocompatibility

Dynamic

Vascular
Intervention
Peripheral



Indicated for the treatment of de novo or restenotic atherosclerotic lesions in iliac arteries.*

Technical Data	Stent	
Stent	Balloon-expandable	
Stent material	Stainless Steel	
Strut thickness	160 µm (ø 5.0 - 8.0 mm) 180 µm (ø 9.0 - 10.0 mm)	
Shortening	Negligible	
Stent coating	proBIO® (Amorphous Silicon Carbide)	
Sizes	ø 5.0 - 10.0 mm; L: 15 - 25 - 38 - 56 mm	
Delivery system		
Catheter type	OTW	
Recommended guide wire	0.035"	
Tip	Soft, short, tapered, colored	
Balloon markers	2 swaged markers	
Shaft	5F, hydrophobic coating, dual-lumen	
Usable length	80 cm and 130 cm (ø 5.0 - 8.0 mm)	
Markers	2 swaged markers	
Guide wire lumen	Hydrophobic coating	
Nominal Pressure (NP)	9 atm	
Rated Burst Pressure (RBP)	15 atm (ø 5.0 - 8.0 mm) 13 atm (ø 9.0 - 10.0 mm)	

Ordering Information	Stent ø (mm)	Catheter length 80 cm Stent length (mm)				Catheter length 130 cm Stent length (mm)			
		15	25	38	56	15	25	38	56
5F	5.0	350110	350114	350120	350126	350132	350136	350140	350144
	6.0	350111	350115	350121	350127	350133	350137	350141	350145
6F	7.0	350112	350116	350122	350128	350134	350138	350142	350146
	8.0	350113	350117	350123	350129	350135	350139	350143	350147
7F	9.0	-	350118	350124	350130	-	-	-	-
	10.0	-	350119	350125	350131	-	-	-	-

*Australia: not TGA approved for use within common iliac arteries.

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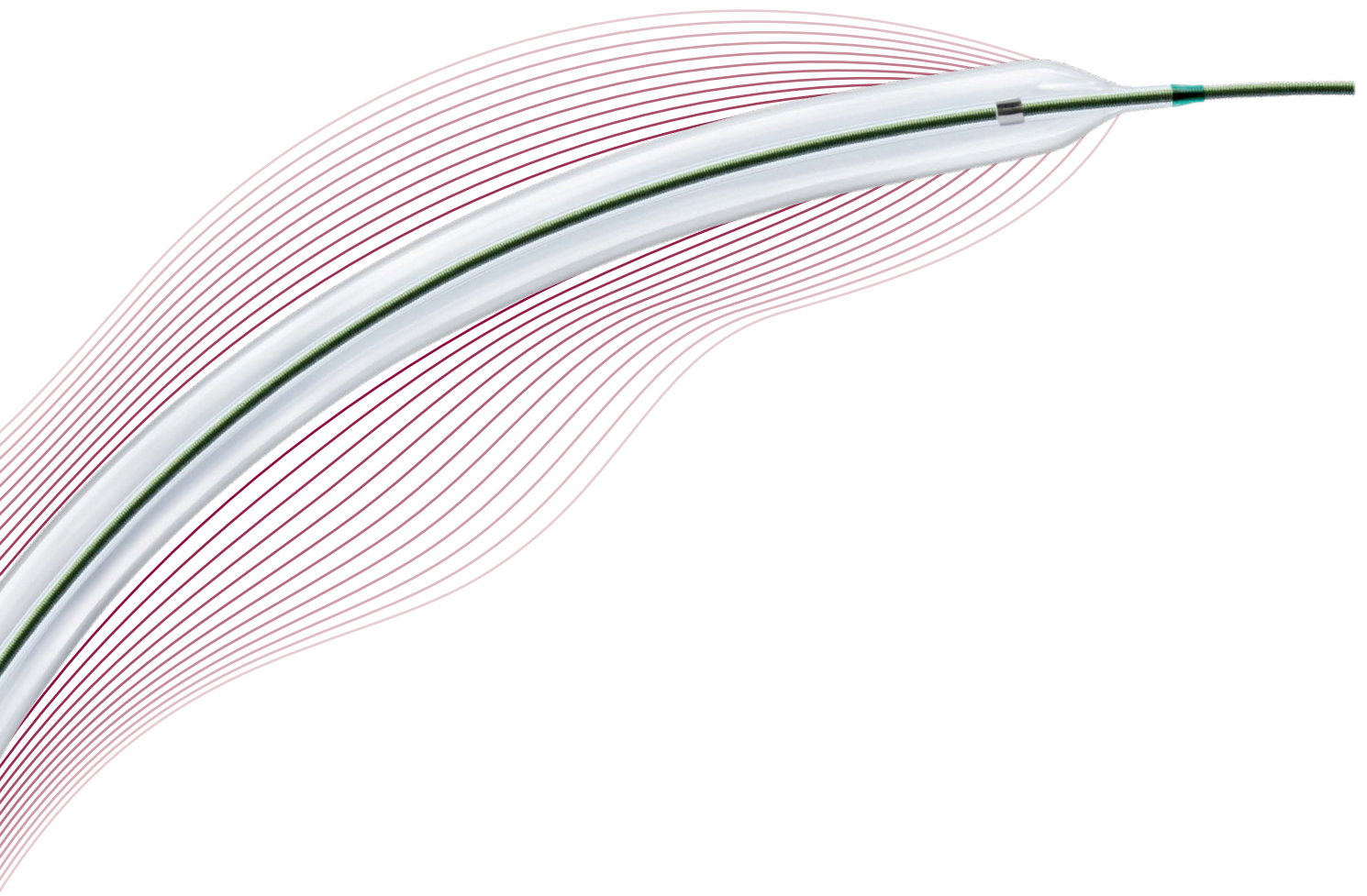
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excellence for life



3 Peripheral Balloon Catheters

Passeo[®]-35



Low profile, wide range of sizes



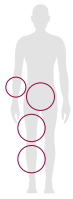
Puncture resistant



Enhanced crossability

Passeo[®]-35

Vascular
Intervention
Peripheral



Indicated to dilate stenosis in the renal, iliac*, femoral, popliteal and infrapopliteal arteries and for the treatment of obstructive lesions of native or synthetic arteriovenous dialysis fistulae.

Technical Data	Balloon catheter
Catheter type	OTW
Recommended guide wire	0.035"
Tip	Soft, short, tapered, colored
Balloon material	SCP (Semi-Crystalline Polymer), controlled compliance
Balloon folding	5-fold
Balloon coating	Hydrophobic patchwork coating
Balloon markers	2 swaged markers
Sizes	ø 3.0 - 10.0 mm; L: 20 - 200 mm
Shaft	5F, hydrophobic coating, dual-lumen
Usable length	80, 90 and 130 cm
Guide wire lumen	Hydrophobic coating

Compliance Chart		Balloon diameter x length (mm)													
		ø 3.0 x 20-40	ø 3.0 x 60-200	ø 4.0 x 20-40	ø 4.0 x 60-200	ø 5.0 x 20-100	ø 5.0 x 120-200	ø 6.0 x 20-100	ø 6.0 x 120-200	ø 7.0 x 20-100	ø 7.0 x 120-200	ø 8.0 x 20-100	ø 9.0 x 20-80	ø 10.0 x 20-40 ^a	ø 10.0 x 20-80
Nominal Pressure (NP)	atm*	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	ø (mm)	3.0	3.00	4.0	4.00	5.0	5.0	6.0	6.0	7.0	7.0	8.0	9.0	10.0	10.0
Rated Burst Pressure (RBP)	atm*	20	20	20	18	16	16	16	16	14	14	14	12	12	11
	ø (mm)	3.5	3.20	4.5	4.32	5.7	5.3	6.7	6.4	7.7	7.3	8.7	9.4	10.5	10.3

^aUsable length: 80 cm; *1 atm = 1.013 bar

Ordering Information	Balloon ø (mm)	Catheter length 80 cm Balloon length (mm)					Catheter length 90 cm Balloon length (mm)								
		20	40	60	80	100	60	80	100	120	150	170	200		
5F	3.0	359545	359547	-	-	-	383231	383235	383239	383243	389775	389776 ^b	387162		
	4.0	359546	359548	-	-	-	383232	383236	383240	383244	383248	383252 ^b	383256		
	5.0	357282	357288	357294	357298	357302	-	-	-	383245	383249	383253 ^b	383257		
	6.0	357283	357289	357295	357299	357303	-	-	-	383246	383250	383254 ^b	383258		
	7.0	357284	357290	357296	357300	357304	-	-	-	383247	383251	383255 ^b	383259		
6F	8.0	357285	357291	357297	357301	357305	-	-	-	-	-	-	-		
	9.0	357286	357292	-	-	-	383233	383237	-	-	-	-	-		
	10.0	357287	357293	-	-	-	383234	383238	-	-	-	-	-		
Ordering Information	Balloon ø (mm)	Catheter length 130 cm Balloon length (mm)													
		20	40	60	80	100	120	150	170	200					
5F	3.0	359549	359551	383264	383268	383272	383276	389777	389778	387163					
	4.0	359550	359552	383265	383269	383273	383277	383281	383285	383289					
	5.0	357306	357310	357314	357318	357322	383278	383282	383286	383290					
	6.0	357307	357311	357315	357319	357323	383279	383283	383287	383291					
	7.0	357308	357312	357316	357320	357324	383280	383284	383288	383292					
	8.0	357309	357313	357317	357321	357325	-	-	-	-					
	9.0	383260	383262	383266	383270	-	-	-	-	-					
	10.0	383261	383263	383267	383271	-	-	-	-	-					

^b8 weeks pre-order only

*Australia: not TGA approved for use within the renal and common iliac arteries.

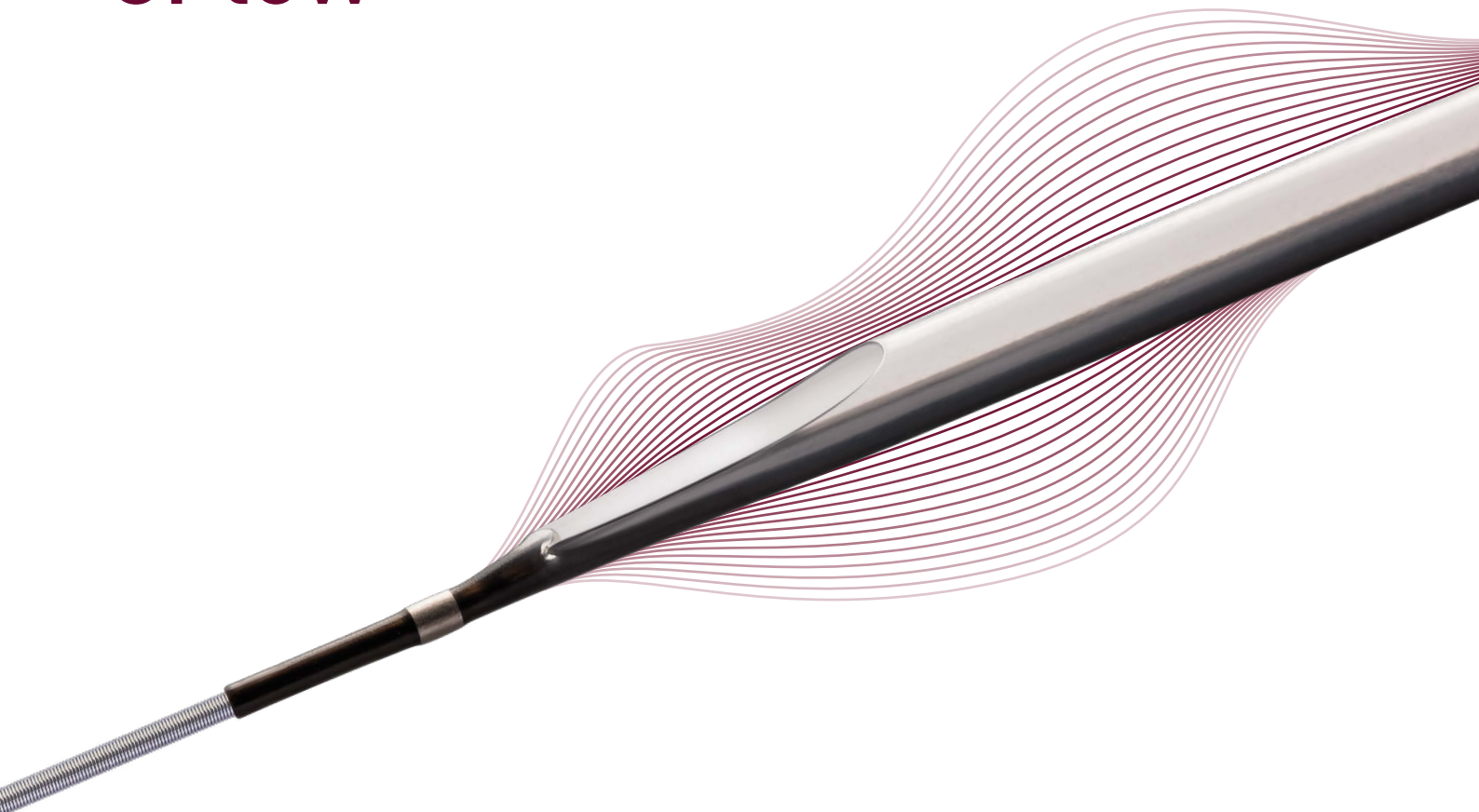
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Extra large 60 ml locking syringe allows for longer aspiration time



Hydrophilic coating for optimal trackability

3Flow

Indicated for central and peripheral circulatory system including saphenous vein grafts.*

Vascular
Intervention
Accessory
Products



Technical Data	Aspiration catheter	3Flow 6F
	Outer diameter (dist./mid/prox.)	0.067"/0.067"/0.051"
	Guide catheter min. inner diameter	0.071" (1.80 mm)
	Usable length	145 cm
	Proximal shaft	PEEK
	Distal shaft	SCP (Semi Crystalline Polymer)
	Coating (distal 25 cm)	Hydrophilic
	Distal marker band	Platinum-iridium, 3 mm from tip

Ordering Information	Catalogue number	Size
	387456	6F

*Indication as per IFU.

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