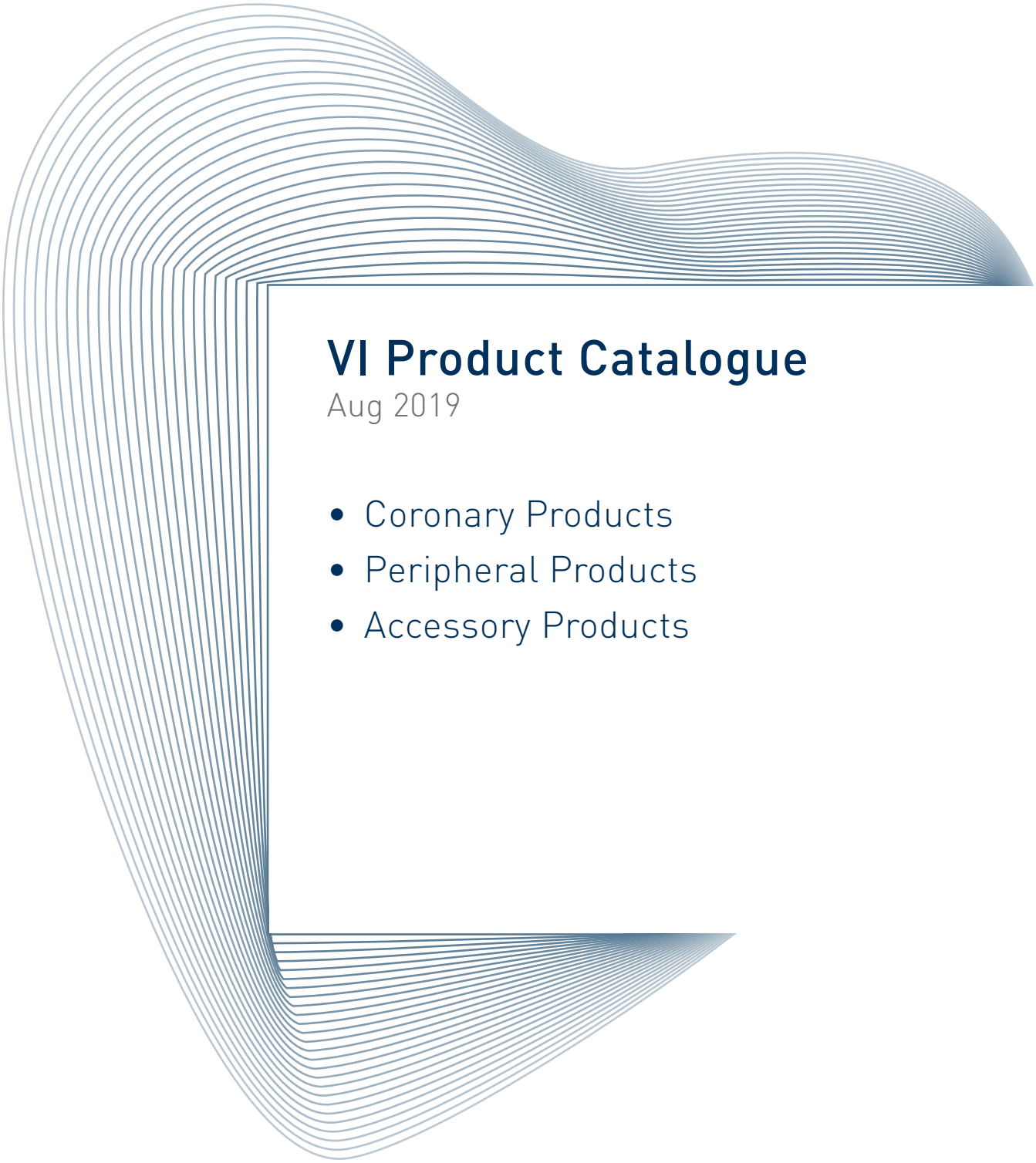
BIOTRONIK // Vascular Intervention



VI Product Catalogue

Aug 2019

- Coronary Products
- Peripheral Products
- Accessory Products

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Coronary Products

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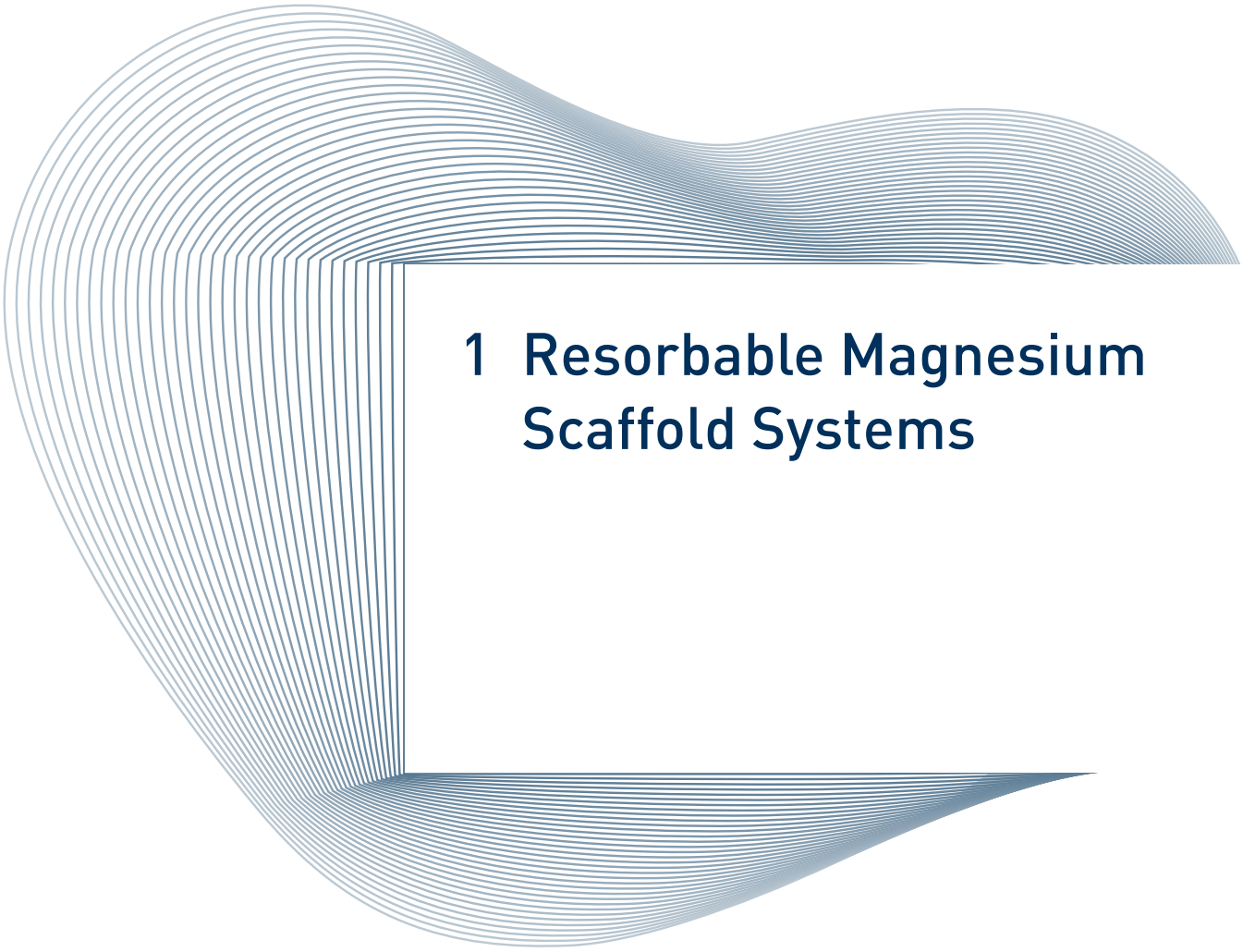

1 Resorbable Magnesium Scaffold Systems

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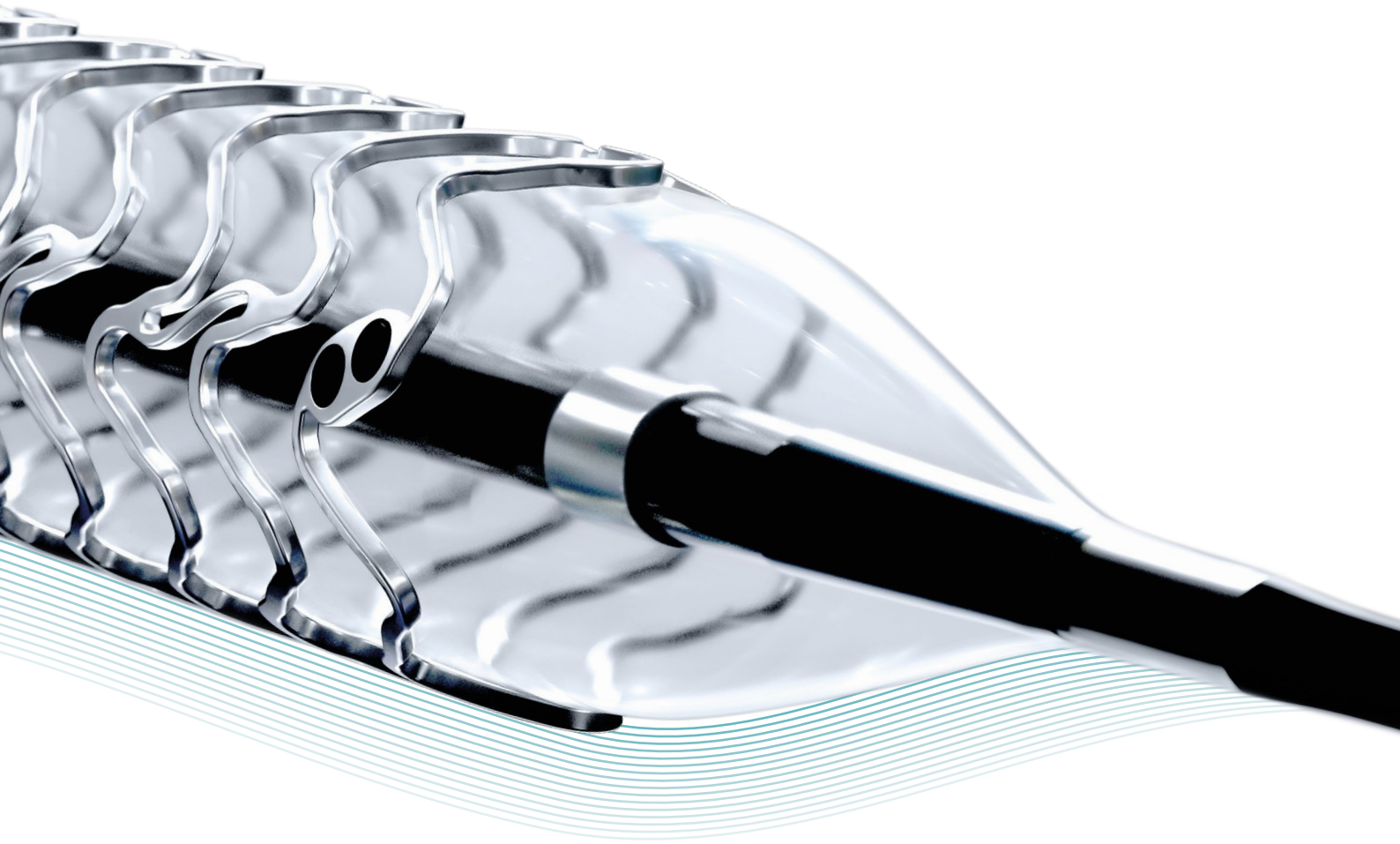
Magmaris®



- Compelling safety data
- Fast Magnesium resorption time
- Better deliverability

Magmaris
Mg
RMS

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Magmaris

Indicated for de novo coronary artery lesions.*

Vascular
Intervention
Coronary

Technical Data

Scaffold

Scaffold material	Proprietary Magnesium alloy
Markers	Two tantalum markers at each end
Active coating	BIOlute® (resorbable Poly-L-Lactide (PLLA) eluting a limus drug)
Drug dose	1.4 µg/mm²
Strut thickness/width	150 µm/150 µm
Maximum expandable diameter	Nominal Diameter +0.6 mm

Delivery system

Catheter type	Rapid exchange
Recommended guiding catheter	6F (min. I.D. 0.070")
Crossing profile	1.5 mm
Guide wire diameter	0.014"
Usable catheter length	140 cm
Balloon material	Semi-crystalline polymer
Coating (distal shaft)	Dual coated
Marker bands	Two swaged platinum-iridium markers
Proximal shaft diameter	2.0F
Distal shaft diameter	2.9F
Nominal pressure (NP)	10 atm
Rated burst pressure (RBP)	16 atm

Compliance Chart

		Balloon diameter (mm)	
		ø 3.00	ø 3.50
Nominal Pressure (NP)	atm**	10	10
	ø (mm)	3.00	3.54
Rated Burst Pressure (RBP)	atm**	16	16
	ø (mm)	3.29	3.82

**1 atm = 1.013 bar

Ordering Information

Scaffold ø (mm)	Scaffold length (mm)		
	15	20	25
3.00	412526	412527	412528
3.50	412529	412530	412531

*Indication as per IFU

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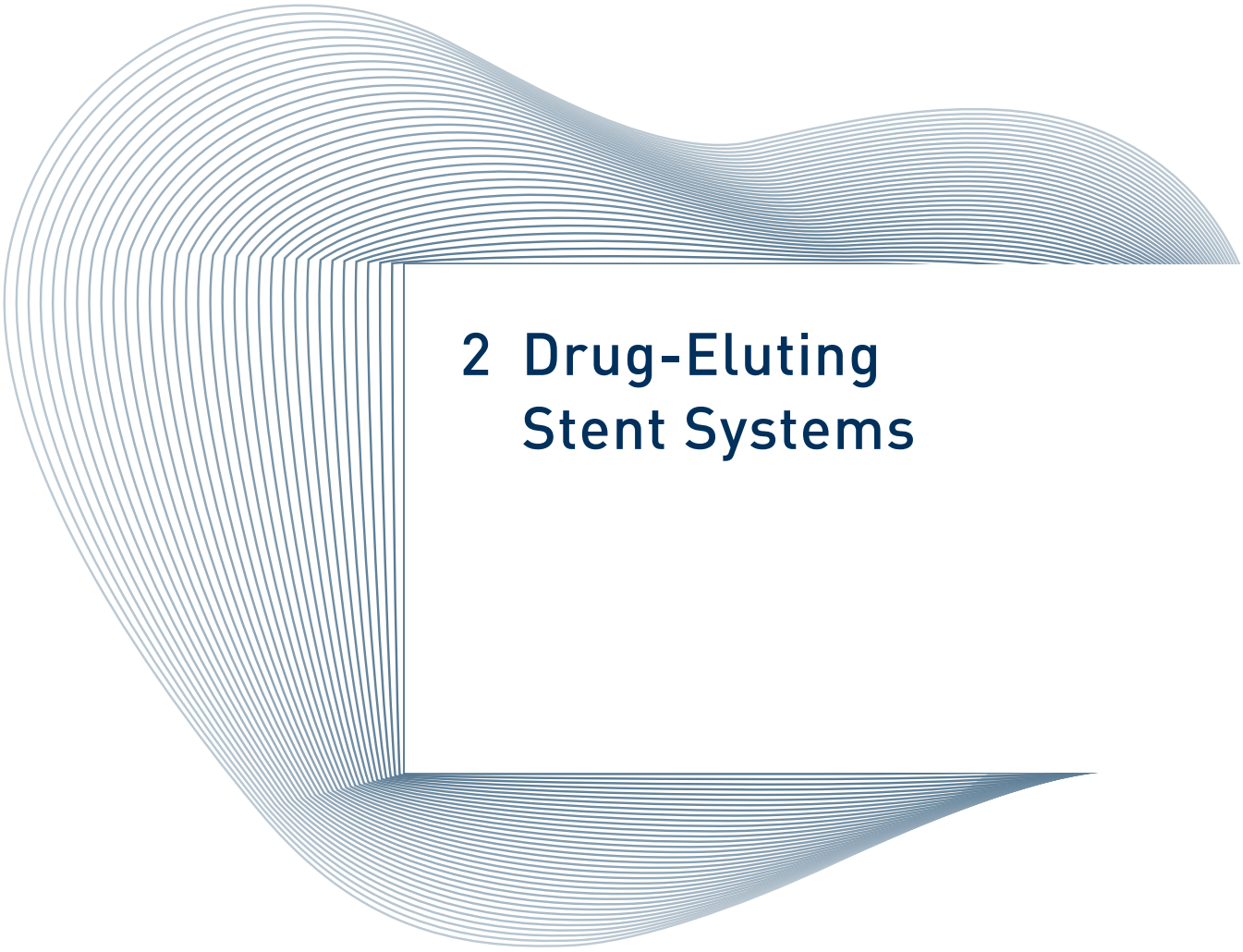

2 Drug-Eluting Stent Systems

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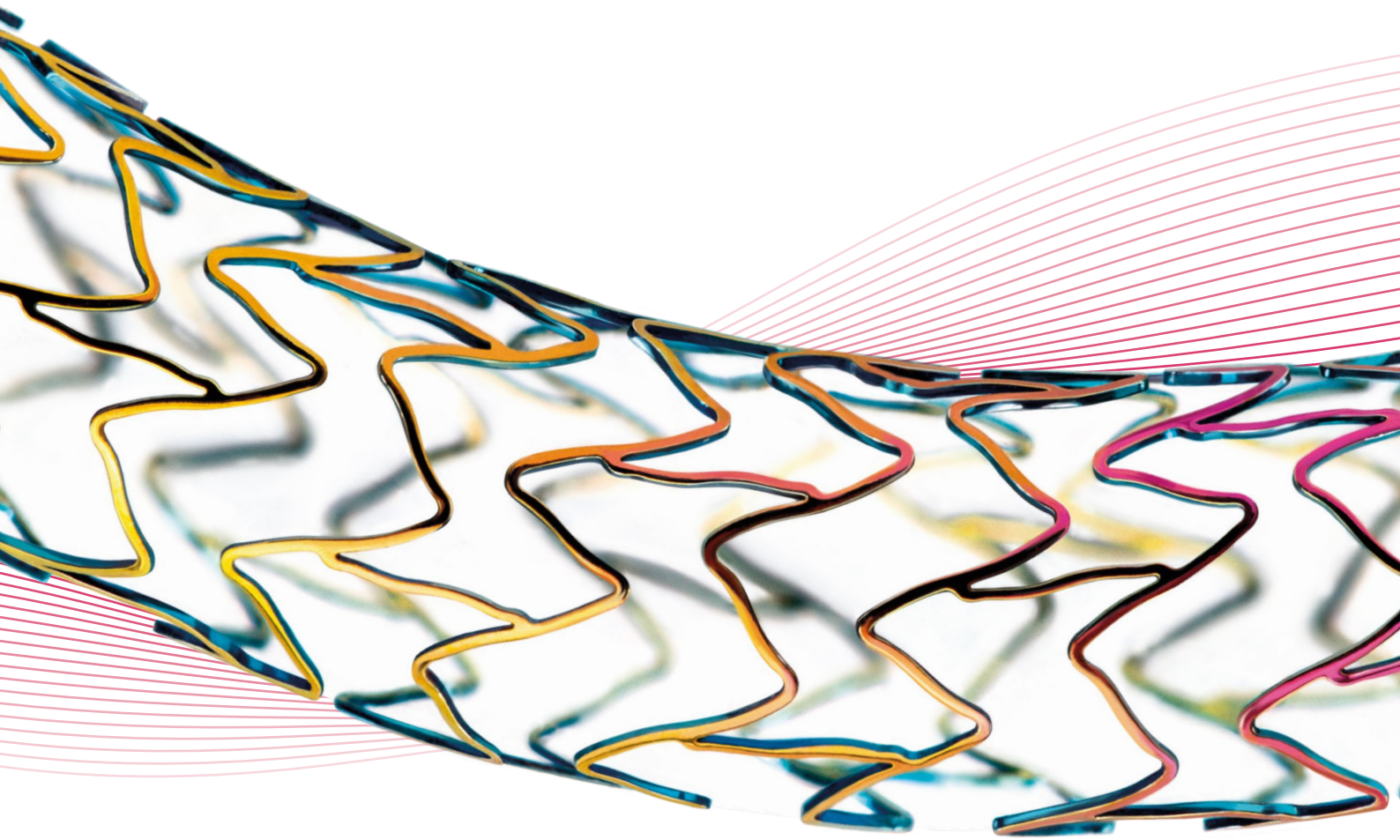
Orsiro®



- Clinically proven
- Highly deliverable
- Ultrathin 60 µm struts

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Orsiro

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

Vascular Intervention Coronary

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/mm²
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 guiding 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 × 9-40	ø 2.75 × 9-40	ø 3.00 × 9-40	ø 3.50 × 9-40	ø 4.00 × 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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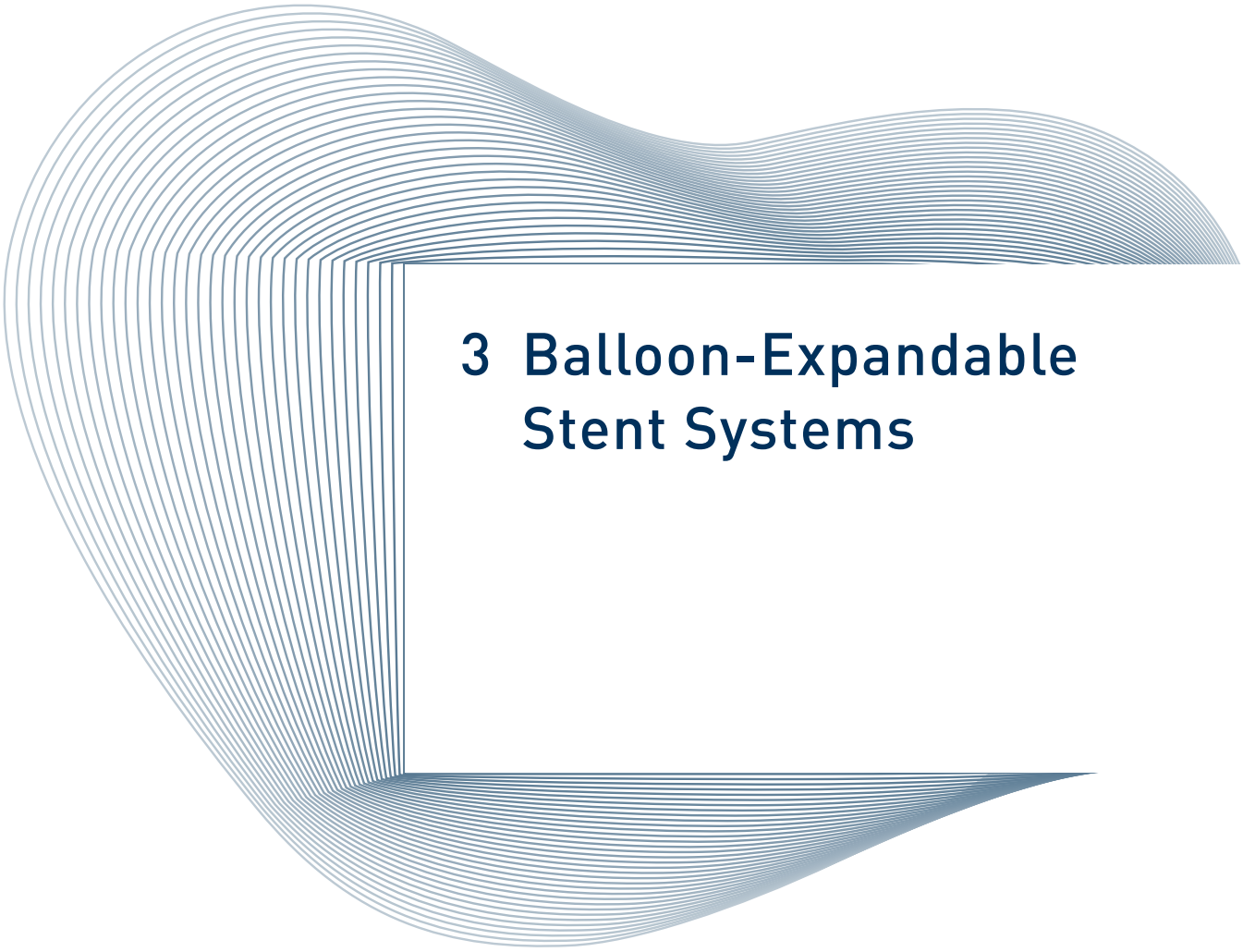

3 Balloon-Expandable Stent Systems

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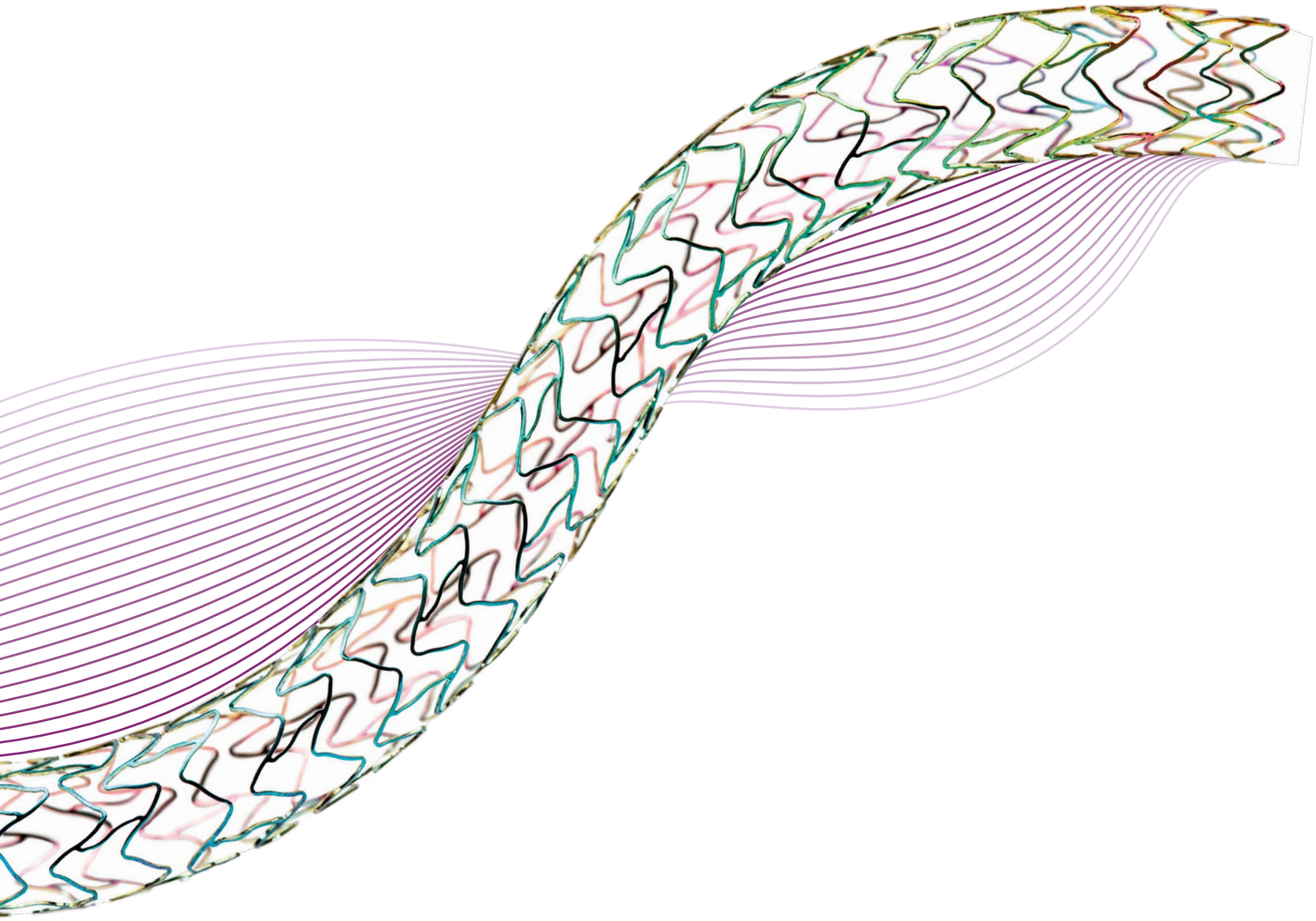
PRO-Kinetic® Energy



- Clinically proven results
- Ultrathin struts
- Exceptional deliverability

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PRO-Kinetic Energy

Indicated for improving coronary luminal diameter.*

Vascular Intervention Coronary

Technical Data

Stent

Stent material	Cobalt chromium, L-605
Passive coating	proBIO® (Amorphous Silicon Carbide) coating
Strut thickness	ø 2.0 - 3.0 mm: 60 µm (0.0024"); ø 3.5 - 4.0 mm: 80 µm (0.0031"); ø 4.5 - 5.0 mm: 120 µm (0.0047")

Delivery system

Catheter type	Rapid exchange
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 material	Semi-crystalline Co-Polymer material
Coating (distal shaft)	Hydrophilic coated
Marker bands	Two swaged platinum-iridium markers
Proximal shaft diameter	2.0F
Distal shaft diameter	2.5F: ø 2.0 - 3.5 mm; 2.8F: ø 4.0 - 5.0 mm
Nominal pressure (NP)	9 atm
Rated burst pressure (RBP)	16 atm (2.0 - 4.0 mm); 14 atm (4.5 - 5.0 mm)

Compliance Chart

Balloon diameter x length (mm)

		ø 2.0 x 9-20	ø 2.25 x 9-20	ø 2.5 x 9-22	ø 2.75 x 9-30	ø 3.0 x 9-30	ø 3.5 x 9-40	ø 4.0 x 9-40	ø 4.5 x 13-40[a]	ø 5.0 x 13-40[a]
Nominal Pressure (NP)	atm**	9	9	9	9	9	9	9	9	9
	ø (mm)	2.00	2.25	2.50	2.75	3.00	3.50	4.00	4.50	5.00
Rated Burst Pressure (RBP)	atm**	16	16	16	16	16	16	16	14	14
	ø (mm)	2.33	2.59	2.83	3.12	3.42	4.07	4.65	5.11	5.63

[a]22mm, 35mm stent lengths not available. **1 atm = 1.013 bar

Ordering Information

Stent ø (mm)	Catheter length 140 cm Stent length (mm)									
	9	13	15	18	20	22	26	30	35	40
2.00[b]	360490	360497	360506	360515	360524	-	-	-	-	-
2.25	360491	360498	360507	360516	360525	-	-	-	-	-
2.50	360492	360499	360508	360517	360526	360533	-	-	-	-
2.75	360493	360500	360509	360518	360527	360534	360538	360544	-	-
3.00	360494	360501	360510	360519	360528	360535	360539	360545	-	-
3.50	360495	360502	360511	360520	360529	360536	360540	360546	360550	360552
4.00	360496	360503	360512	360521	360530	360537	360541	360547	360551	360553
4.50	-	360504	360513	360522	360531	-	360542	360548	-	360554
5.00	-	360505	360514	360523	360532	-	360543	360549	-	360555

[b]Size not licensed for sale in Canada

*Indication as per IFU.

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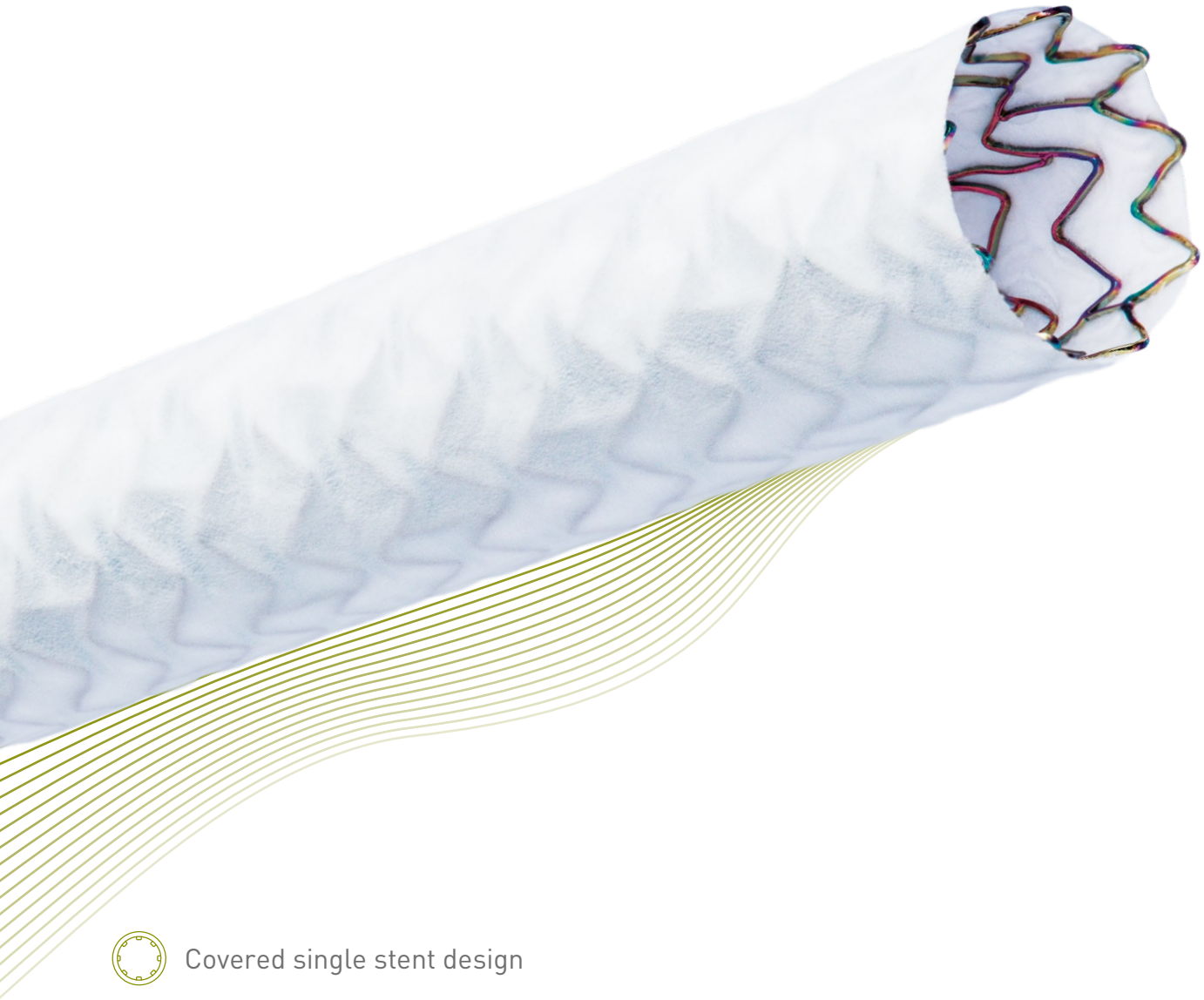
PK Papyrus®



- Covered single stent design
- 58% greater flexibility
- Low crossing profile

SOS

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PK Papyrus

Indicated for acute coronary artery perforations.*

Vascular Intervention Coronary

Technical Data

Stent

Stent cover material	Non-woven, electrospun polyurethane
Stent cover thickness	90 µm
Stent strut thickness	ø 2.5 - 3.0 mm: 60 µm (0.0024"); ø 3.5 - 4.0 mm: 80 µm (0.0031"); ø 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	ø 2.5 - 3.0 mm: 3.50 mm; ø 3.5 - 4.0 mm: 4.65 mm; ø 4.5 - 5.0 mm: 5.63 mm

Delivery system

Guide wire diameter	0.014"
Usable catheter length	140 cm
Recommended guiding catheter	ø 2.5 - 4.0 mm: 5F (min. I.D.** 0.056"); ø 4.5 - 5.0 mm: 6F (min. I.D.** 0.070")
Nominal pressure (NP)	ø 2.5 - 3.5 mm: 8 atm; ø 4.0 - 5.0 mm: 7 atm
Rated burst pressure (RBP)	ø 2.5 - 4.0 mm: 16 atm; ø 4.5 - 5.0 mm: 14 atm

**I.D. = Inner Diameter

Ordering Information

	Stent ø (mm)	Catheter length 140 cm Stent length (mm)		
		15	20	26
	2.5	369380	369386	-
5F	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

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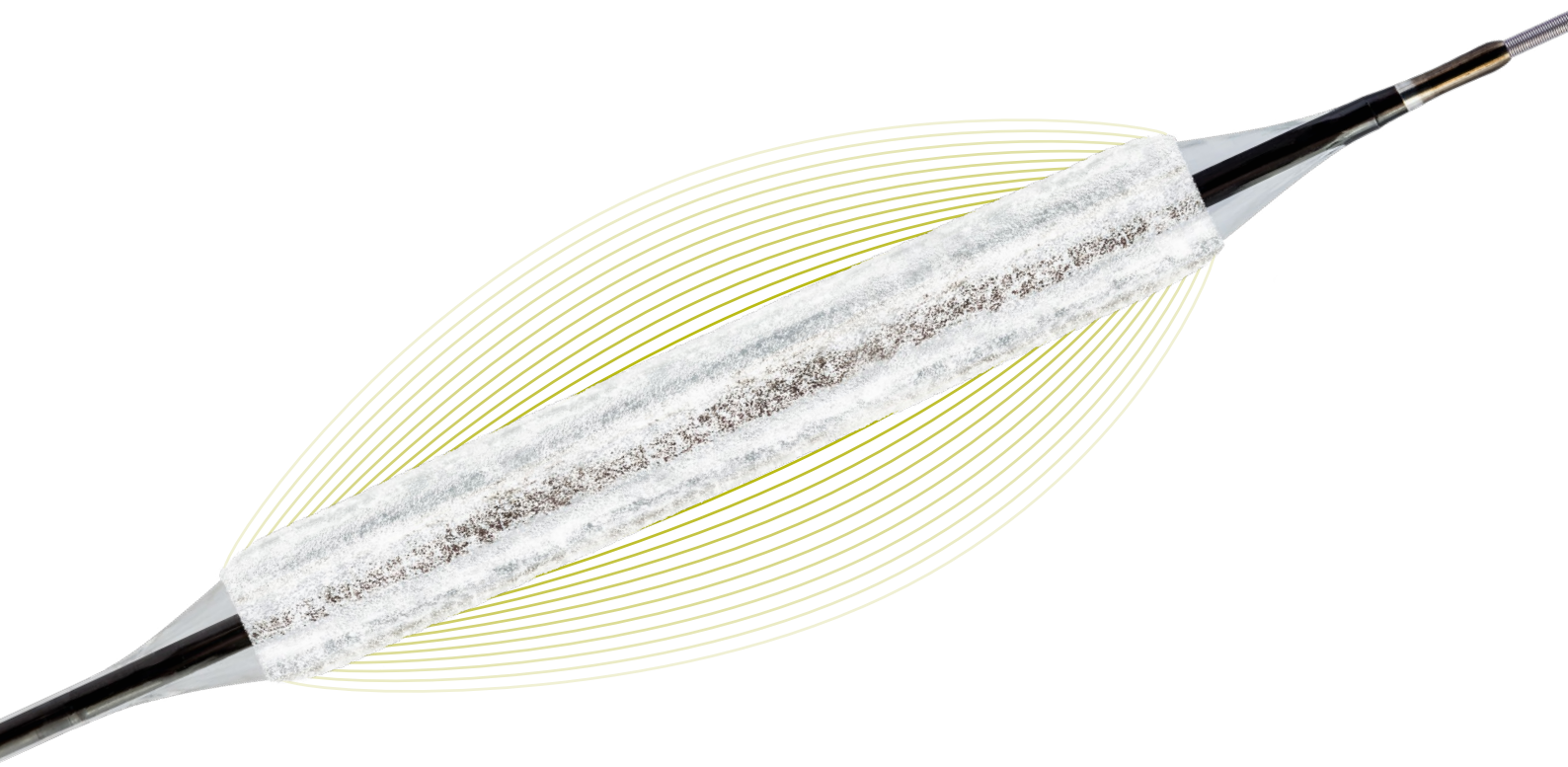
4 Drug-Coated Balloon Catheters

Pantera® Lux™



- Clinically proven solution for in-stent restenosis and de novo lesions
- Lux coating technology for rapid drug absorption
- Advanced trackability

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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/mm²
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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5 Balloon Catheters

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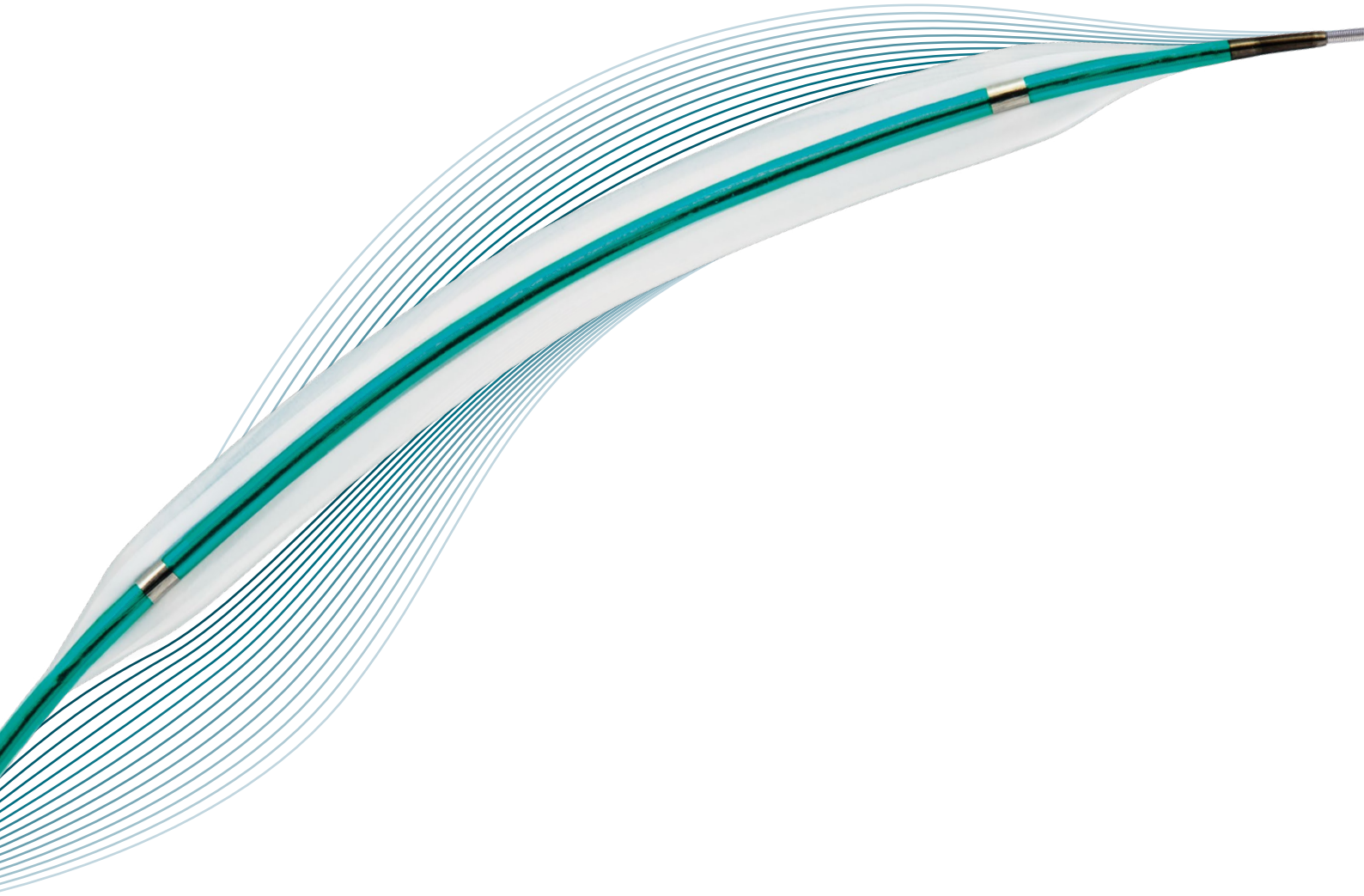
Pantera® Pro



- Lowest crossability in tight lesions
- 43% less friction during kissing balloon technique
- 38% more push to reach target lesion

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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	ø 1.25 - 1.5 mm: Two-fold; ø 2.0 - 4.0 mm: Tri-fold
Balloon markers	Platinum-Iridium: ø 1.25 - 1.5 mm one marker; ø 2.0 - 4.0 mm two markers
Coating distal shaft	Hydrophilic (end of balloon to Guide Wire (GW) exit port)
Balloon and tip coating	ø 1.25 - 2.0 mm: Hydrophilic ø 2.50 - 4.0 mm: Hydrophobic
Kissing balloon technique	6F guiding catheter (min. I.D. 0.070" / 1.78 mm), up to ø 3.5 mm
Diameter	2.6F (ø 1.25 - 2.0 mm); 2.7F (ø 2.5 - 3.5 mm); 2.9F (ø 4.0 mm)

Compliance Chart

Balloon diameter x length (mm)

		ø 1.25 x 6-20	ø 1.50 x 6-20	ø 2.00 x 10-30	ø 2.50 x 10-30	ø 3.00 x 10-30	ø 3.50 x 10-30	ø 4.00 x 10-30
Nominal Pressure (NP)	atm**	7	7	7	7	7	7	7
	ø (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
	ø (mm)	1.37	1.72	2.23	2.93	3.50	4.06	4.55

**1 atm = 1.013 bar

Ordering Information

Balloon ø (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

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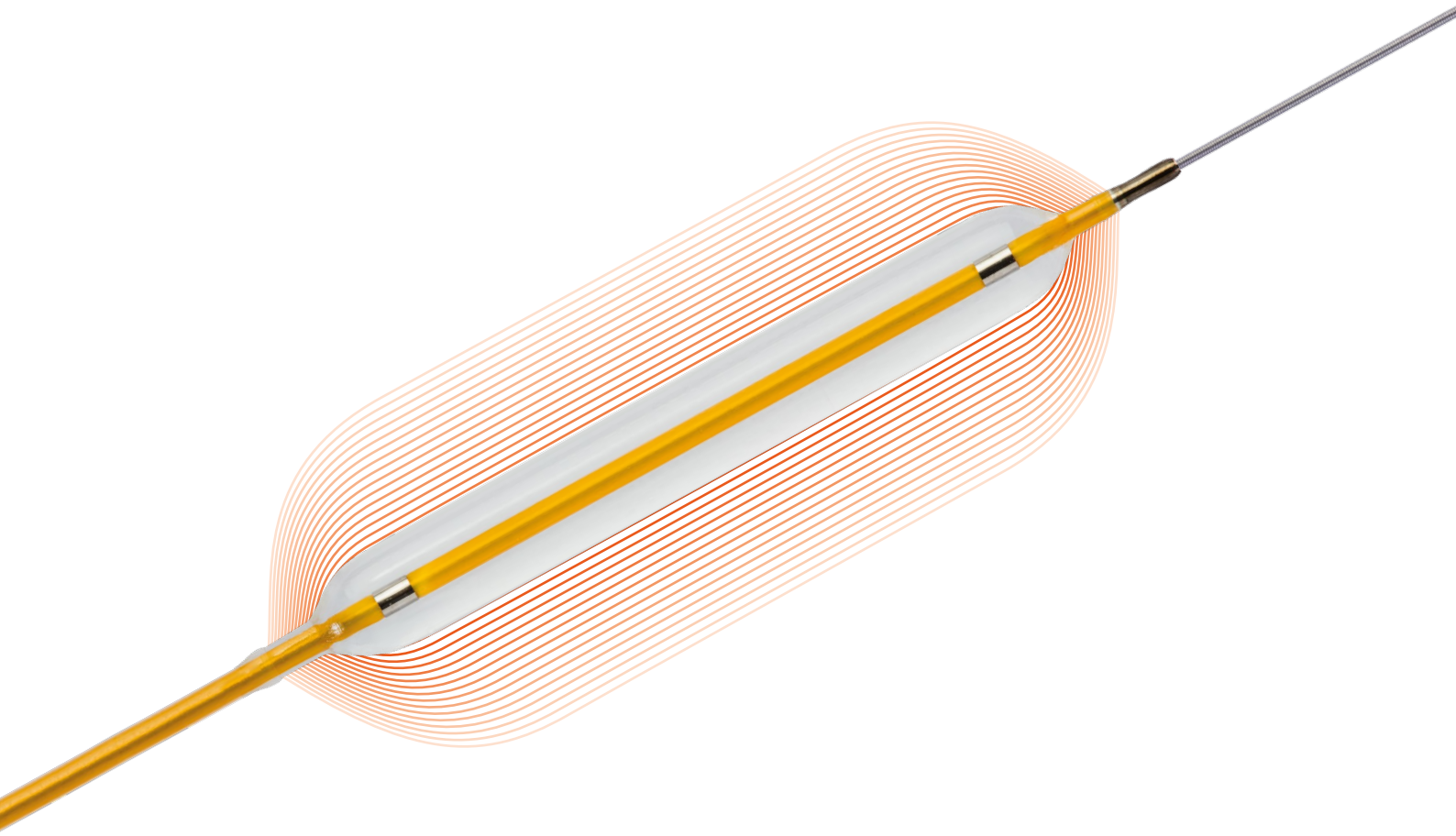
Pantera® LEO



- Lowest compliance in class avoiding dog-bone effect
- Precise dilatation
- Enhanced crossability and accurate placement

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Pantera LEO

Indicated for stent post-dilatation and dilatation of a 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
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
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

5F

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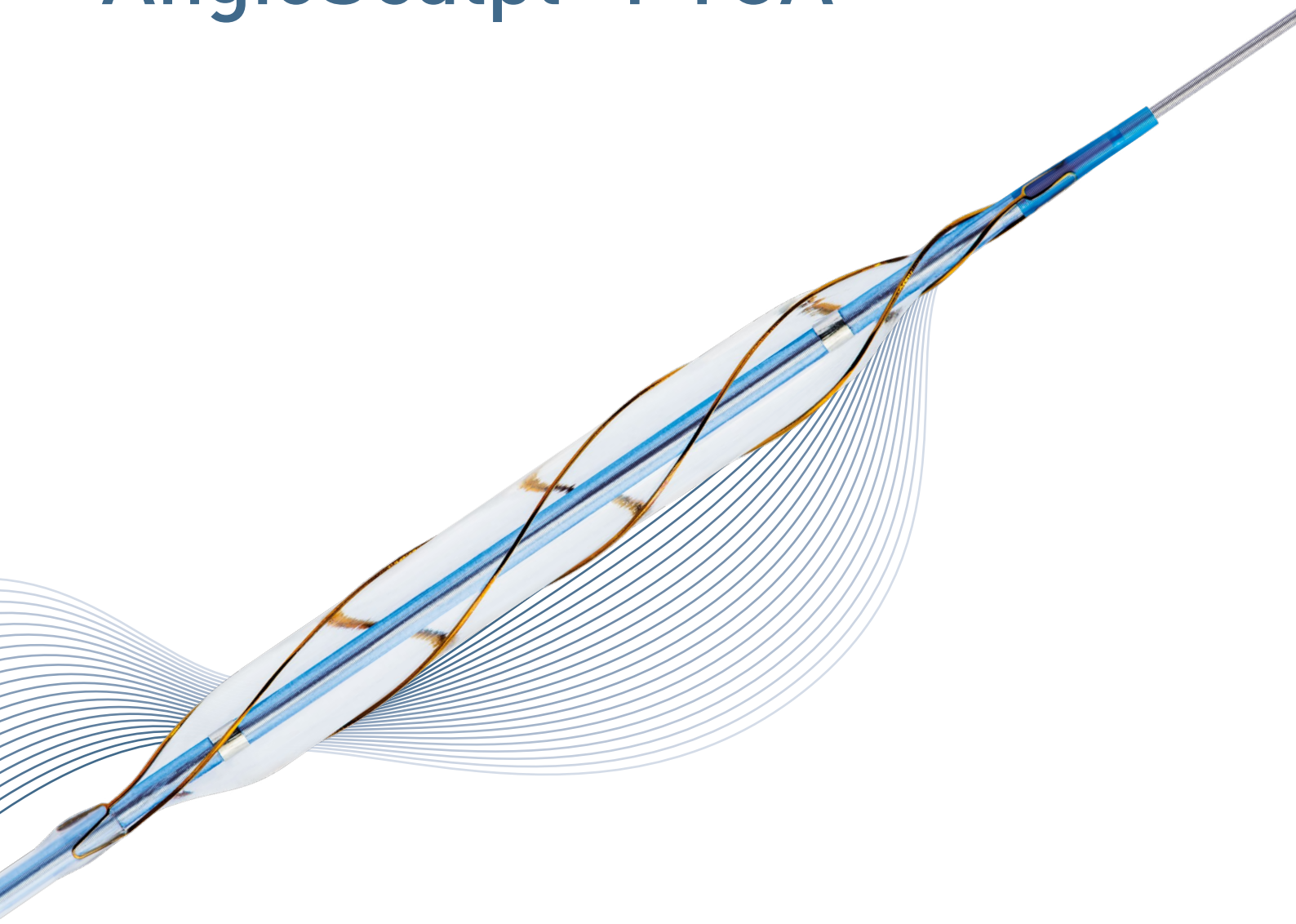
AngioSculpt® PTCA



- Advanced scoring balloon technology
- Precision, power and predictable results
- Larger luminal gain

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AngioSculpt PTCA

Vascular
Intervention
Coronary

Indicated for the treatment of a hemodynamically significant coronary artery stenosis, including in-stent restenosis, for the purpose of improving myocardial perfusion.

Technical Data

Balloon catheter

Catheter type	Rx
Recommended guide wire	0.014"
Usable length	137 cm
Balloon coating	Uncoated for non-slip
Balloon markers	2 markers
Nitinol scoring elements	3 ea.
Profile of scoring elements	~0.005"
Guiding catheter	6F (0.068"/1.73 mm)
Crossing profile	~2.7F

Compliance Chart

Balloon diameter x length (mm)

		ø 2.0 x 10-20	ø 2.5 x 10-20	ø 3.0 x 10-20	ø 3.5 x 10-20
Nominal Pressure (NP)	atm*	8	8	8	8
	ø (mm)	2.01	2.49	3.01	3.51
Rated Burst Pressure (RBP)	atm*	20	20	18	16
	ø (mm)	2.37	2.95	3.50	3.86

*1 atm = 1.013 bar

Ordering Information

Balloon ø (mm)	Catheter length 137 cm (balloon length mm)		
	10	15	20
2.0	360217	360218	360220
2.5	360221	360222	360225
3.0	360227	360228	360229
3.5	360230	360231	360233

6F

Manufacturer:
Spectranetics Corporation
5055 Brandin Court
Fremont, CA 94538, USA
Tel + 1 (510)-933-7900
www.spectranetics.com

Distributor:
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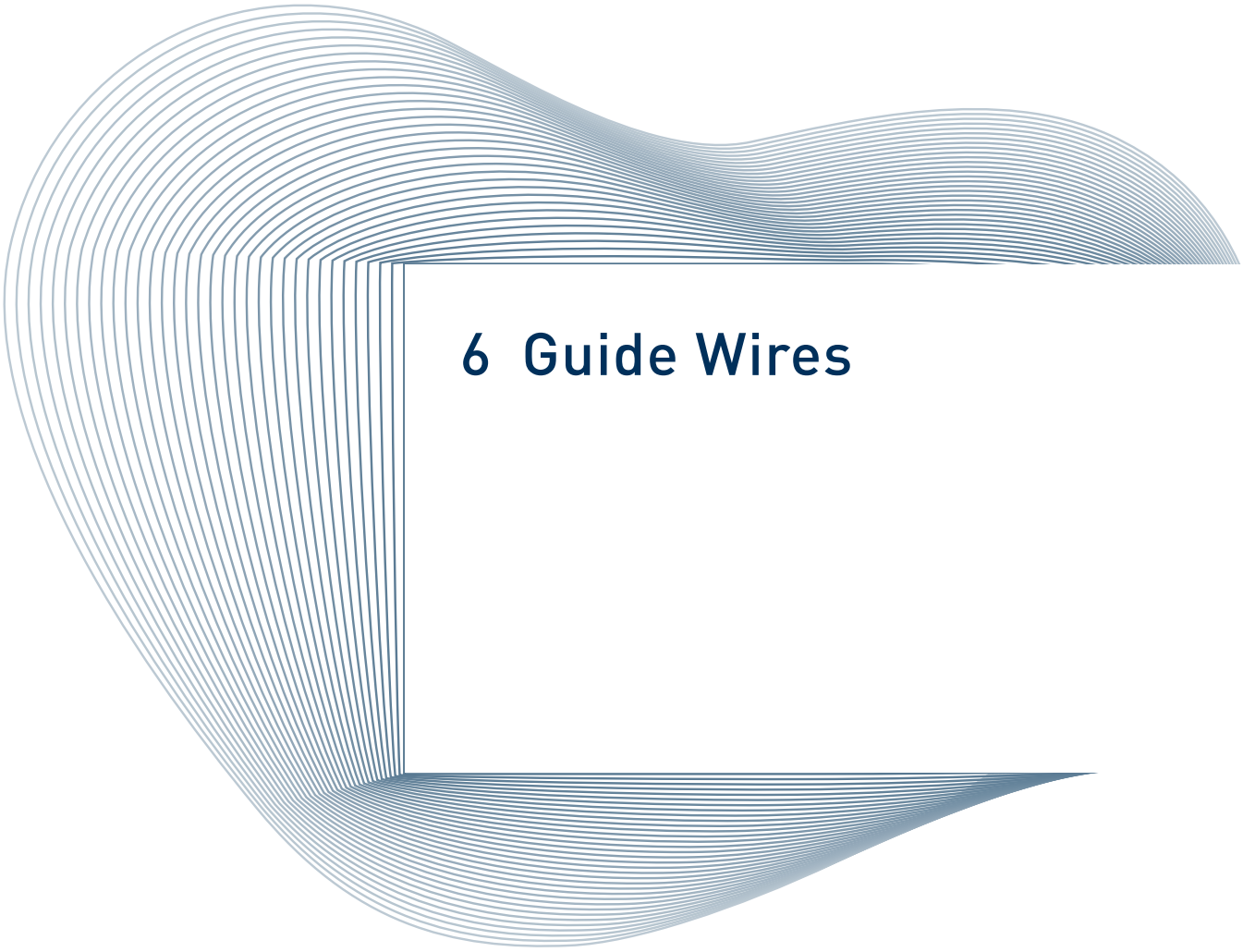
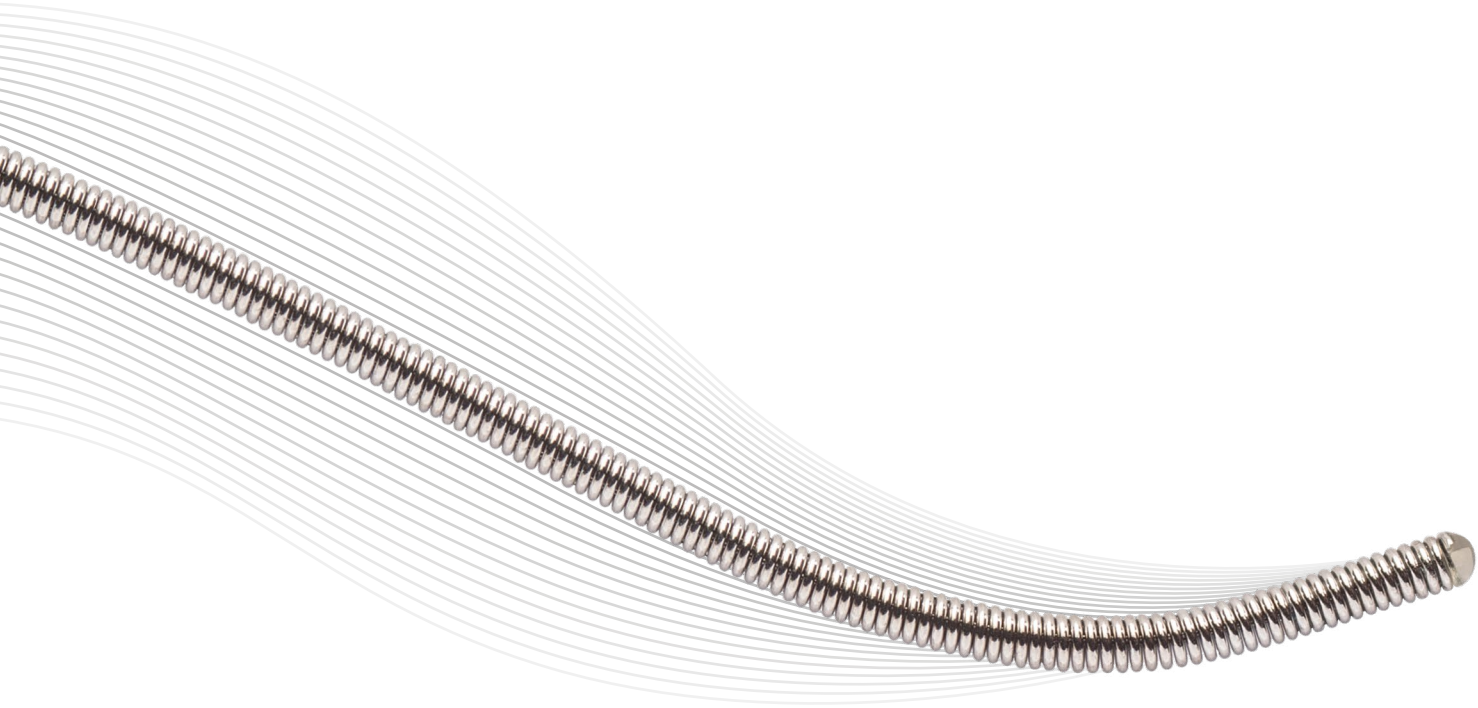


6 Guide Wires

Cruiser®



- Perfect control and easy handling
- Multiple vessel treatment due to tip shape retention and durability
- Smooth guide wire trackability and optimal visibility

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Cruiser

Indicated for coronary arteries.*

Vascular
Intervention
Coronary

Technical Data	Guide wire	
	Diameter	0.014"
	Length	190 cm
	Core wire material proximal	Stainless steel
	Core wire material distal	Chromium enriched Nitinol
	Proximal coil	Stainless steel
	Distal coil	Platinum, radiopaque (3 cm for standard support/4.5 cm for ES)
	Shaping ribbon	Stainless steel (3 cm)
	Proximal (shaft) coating	PTFE
	Distal coating	Hydrophobic (30 cm)
	Range of tip flexibilities	High flexible, flexible, medium
	Range of support levels	Standard and Extra Support (ES)
	Shaft markers	92 cm and 102 cm from distal end

Ordering Information	Catalogue number	Tip shape	Tip flexibility	Label color code	Support level	Length
	351460	Straight	High flexible	Red	Standard	190 cm
	351463	J	High flexible	Red	Standard	190 cm
	351461	Straight	Flexible	Orange	Standard	190 cm
	351464	J	Flexible	Orange	Standard	190 cm
	351462	Straight	Medium	Blue	Standard	190 cm
	351465	J	Medium	Blue	Standard	190 cm
	351466	Straight	High flexible	Brown	Extra support	190 cm
	351468	J	High flexible	Brown	Extra support	190 cm
	351467	Straight	Flexible	Yellow	Extra support	190 cm
	351469	J	Flexible	Yellow	Extra support	190 cm

* Indicated also for peripheral arteries (as per IFU).

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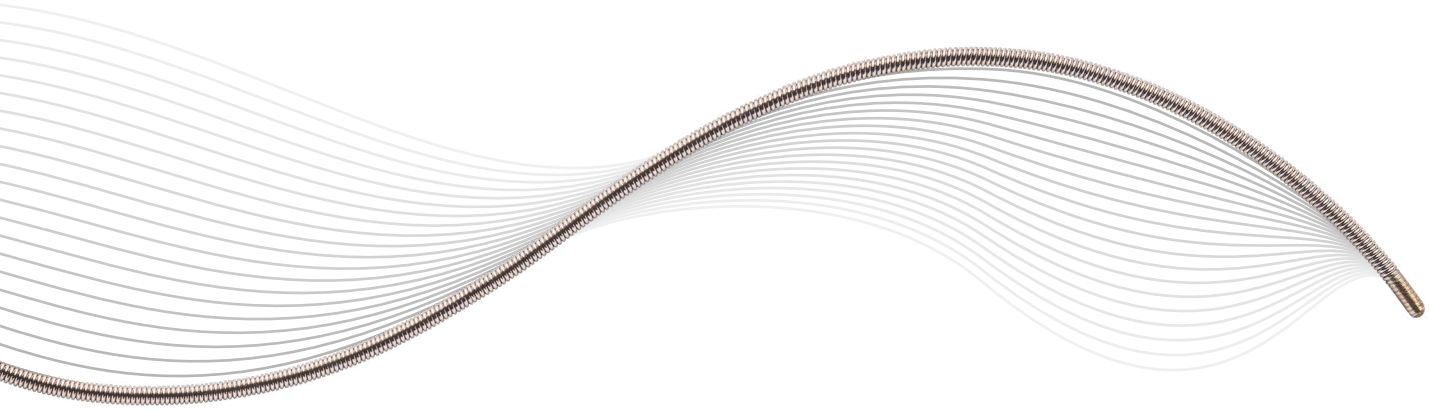
Galeo® Pro



Control: Enhanced torque response for steerability

Feedback: Minimized friction for tactile distal feedback

Choice: Broad selection of tip flexibilities and support levels

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Galeo Pro

Indicated to facilitate the placement of interventional cardiology catheters.*

Vascular
Intervention
Coronary

Technical Data	Guide wire	
	Diameter	0.014"
	Length	190 cm and 300 cm
	Core wire material	High tensile stainless steel
	Proximal coil	21.5 cm, stainless steel
	Distal coil	26 mm, palladium, radiopaque
	Proximal (shaft) coating	PTFE
	Distal coating	Hydrophilic (30 cm)
	Range of tip flexibilities	High Flexible (HF), Flexible (F), Medium (M)
	Range of support levels	Standard and Extra Support (ES)
	Shaft markers	92 cm and 102 cm from distal end

Ordering Information	Catalogue number	Tip shape	Tip flexibility	Label color code	Support level	Length
	389781	Straight	High flexible	Red	Standard	190 cm
	389782	J	High flexible	Red	Standard	190 cm
	389783	Straight	Flexible	Orange	Standard	190 cm
	389784	J	Flexible	Orange	Standard	190 cm
	389785	Straight	Medium	Blue	Standard	190 cm
	389786	J	Medium	Blue	Standard	190 cm
	389787	Straight	Flexible	Yellow	Extra support	190 cm
	389788	J	Flexible	Yellow	Extra support	190 cm
	389791	Straight	Flexible	Orange	Standard	300 cm

*Indication as per IFU.

Manufacturer:
Concert Medical, LLC
77 Accord Park Dr.
Norwell, MA 02061-1605, USA
Tel +1 (781) 871 7882
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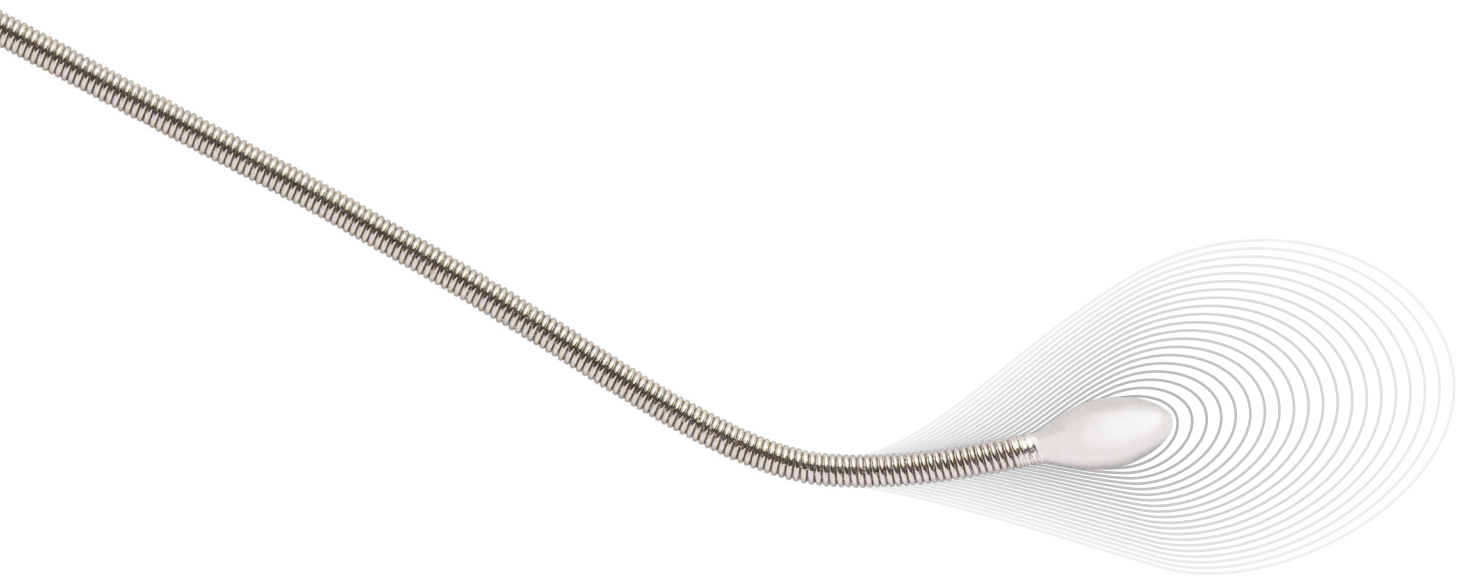
Magnum



- Olive shaped tip
- Enhanced crossability due to hydrophilic coating
- Available in straight and J-shaped tip configurations

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Magnum

Indicated for percutaneous coronary intervention (PCI).*

Vascular
Intervention
Coronary

Technical Data	Guide wire	
	Diameter	0.014"
	Length	175 cm
	Core wire material	Stainless steel
	Proximal coil	Stainless steel
	Distal coil	Platinum, radiopaque
	Proximal (shaft) coating	PTFE
	Distal coating	Hydrophilic
	Range of tip flexibilities	Between flexible and medium
	Range of support levels	Standard
	Olive tip	Diameter: 0.028" (0.7 mm) Length: 1.2 mm

Ordering Information	Catalogue number	Tip shape	Support level	Length
	350001	Straight	Standard	175 cm
	350000	J	Standard	175 cm

*Indication as per IFU.

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BRIVANT LTD.
Parkmore West
Business Park,
Galway, Ireland
Tel. +353 91 385 037
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Peripheral Products

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1 Peripheral Stent Systems

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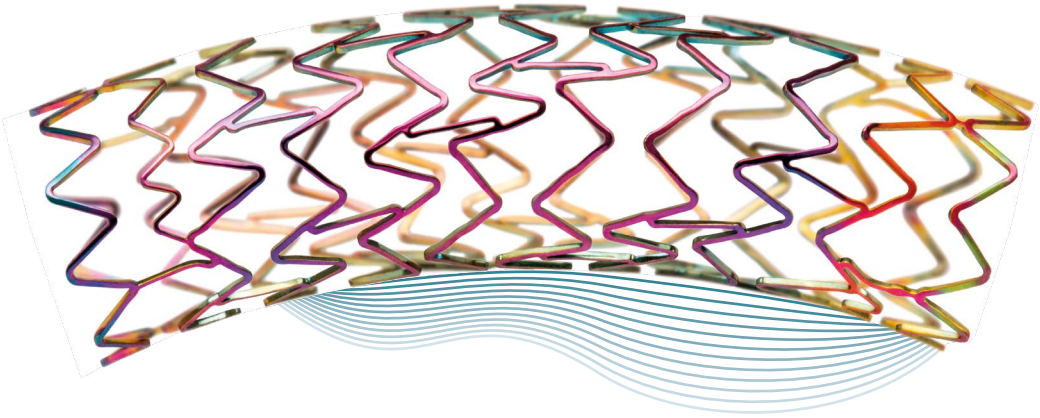
Dynamic Renal



- 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

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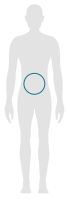
Dynamic Renal

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
4F	5.0	358583	368712	358587
5F	6.0	358584	368713	358588
5F	7.0	358585	368714	358589

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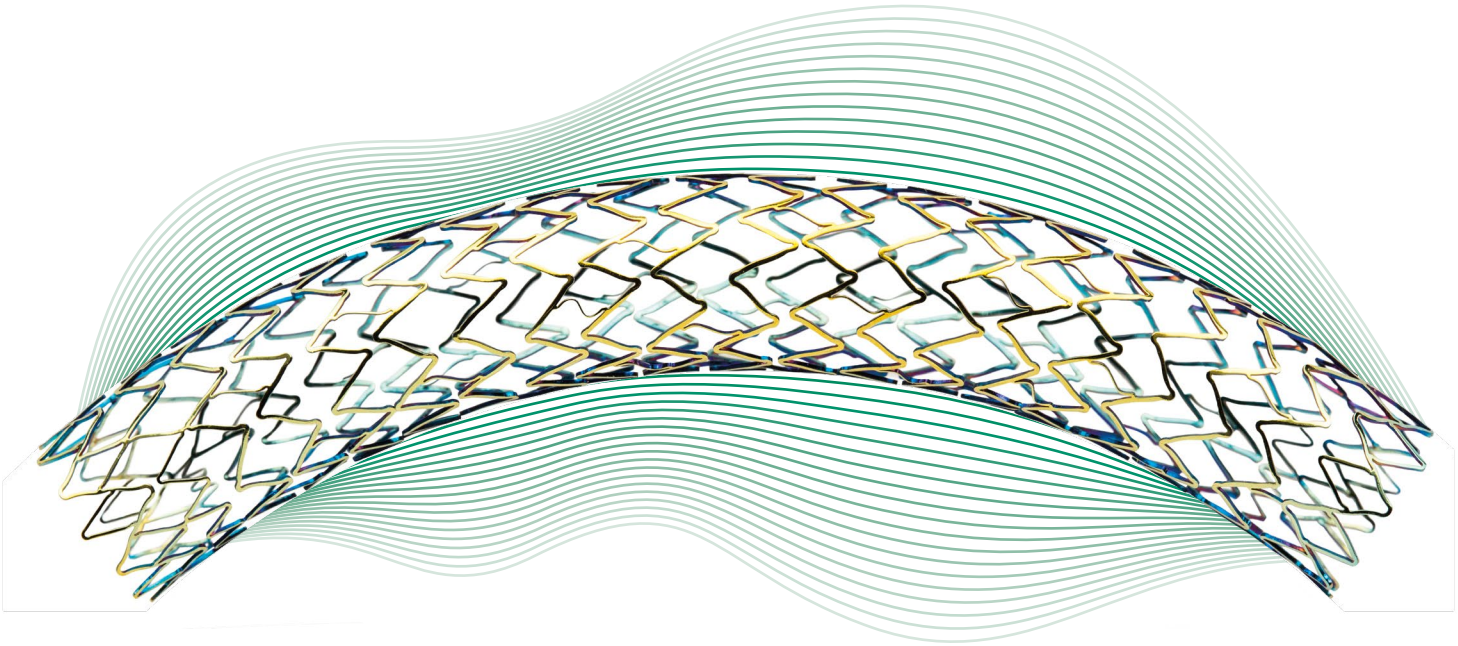
Dynamic



- Excellent trackability
- Stent designed for flexibility in iliac arteries
- Improved stent surface biocompatibility

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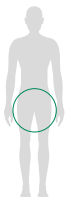
Dynamic

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

Vascular Intervention Peripheral



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
	9.0	-	350118	350124	350130	-	-	-	-
7F	10.0	-	350119	350125	350131	-	-	-	-

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

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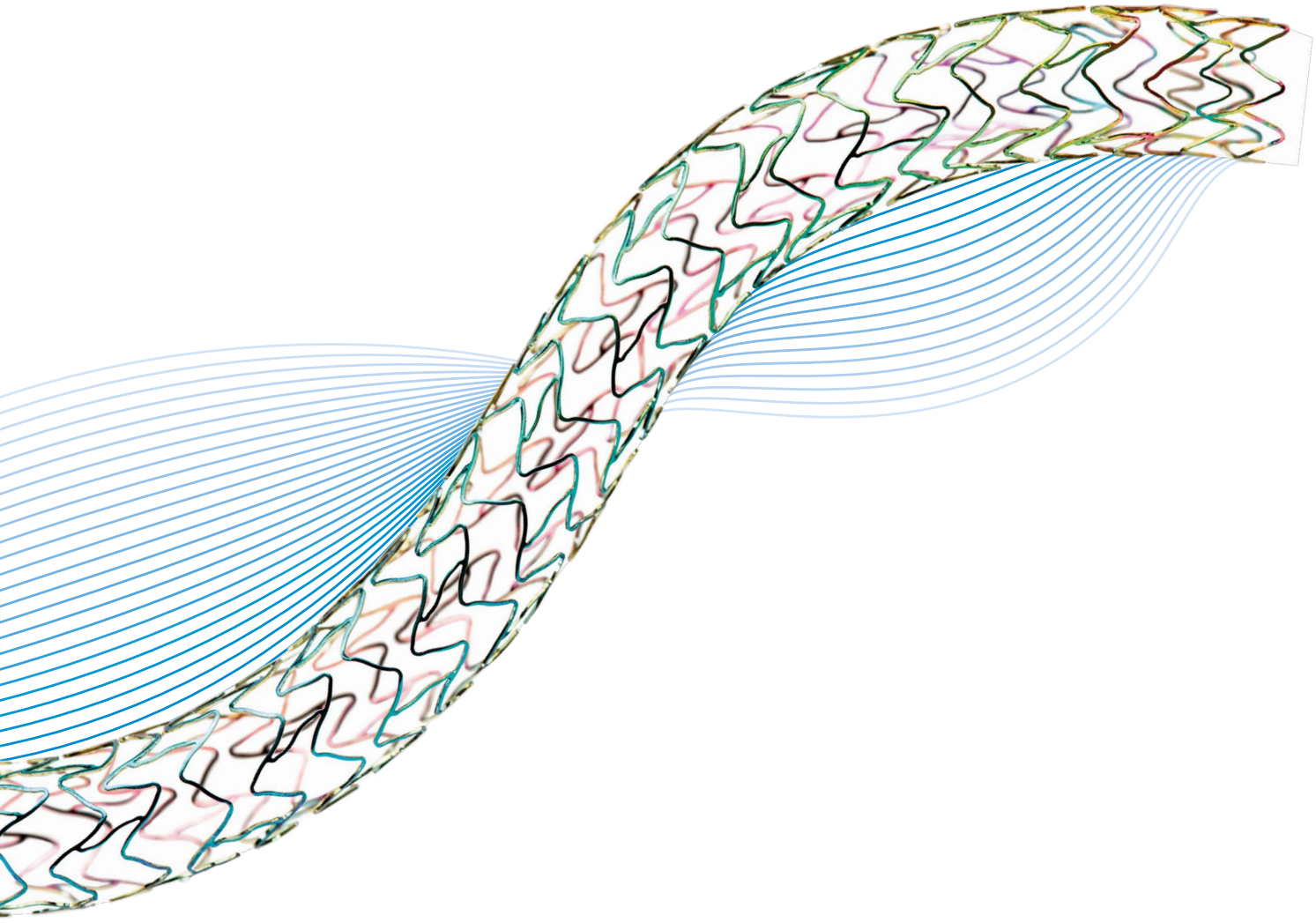
PRO-Kinetic® Energy Explorer



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PRO-Kinetic® Energy Explorer

Indicated for infrapopliteal arteries.*

Vascular Intervention Peripheral

Technical Data

Stent

Stent	Balloon-expandable
Stent material	Cobalt Chromium (L605)
Strut thickness	ø 2.0 - 3.0 mm: 60 µm (0.0024"); ø 3.5 - 4.0 mm: 80 µm (0.0031"); ø 4.5 - 5.0 mm: 120 µm (0.0047")
Stent coating	proBIO® (Amorphous Silicon Carbide)
Sizes	ø 2.0 - 5.0 mm; L: 9 - 15 - 20 - 30 - 40 mm

Delivery system

Catheter type	Rapid exchange
Recommended guide wire	0.014"
Tip	Soft, tapered, colored
Balloon markers	2 swaged markers
Shaft	Hydrophilic coating (distal shaft)
Usable length	140 cm
Markers	2 swaged markers
Guide wire lumen	Hydrophobic coating
Nominal Pressure (NP)	9 atm
Rated Burst Pressure (RBP)	16 atm (ø 2.0 - 4.0 mm) 14 atm (ø 4.5 - 5.0 mm)

Ordering Information

	Stent ø (mm)	Catheter length 140 cm Stent length (mm)				
		9	15	20	30	40
	2.00	371436	371452	371470	-	-
	2.50	371438	371454	371472	-	-
	3.00	371440	371456	371474	371491	-
4F	3.50	371441	371457	371475	371492	-
	4.00	371442	371458	371476	371493	-
	4.50	-	371459	371477	371494	371500
	5.00	-	371460	371478	371495	371501

*Indication as per IFU.

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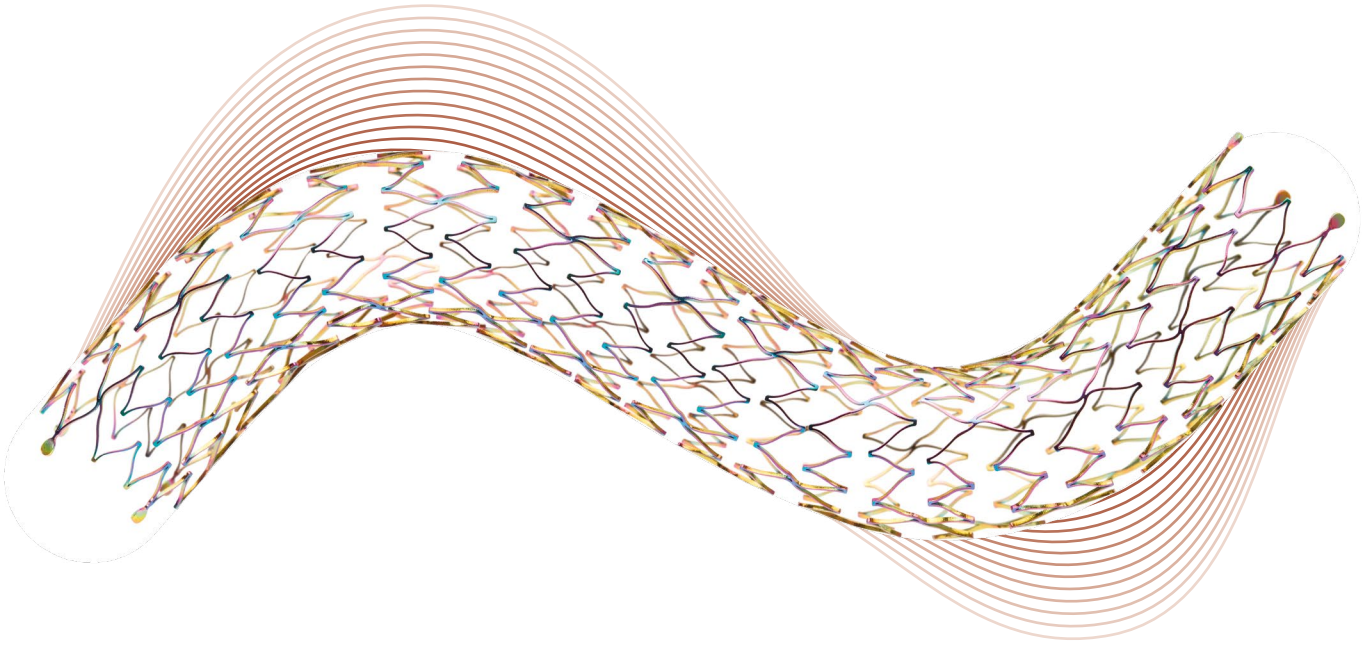
Astron®



- Clinically proven stent for the treatment of iliac disease
- Pull-back delivery system for simple stent deployment
- 5.2F proximal shaft for contrast injection with device in sheath

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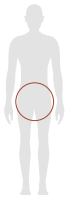
Astron

Vascular
Intervention
Peripheral



Indicated for use in patients with atherosclerotic disease of the iliac arteries and for the treatment of insufficient results after percutaneous transluminal angioplasty (PTA), e.g. residual stenosis and dissection.

Technical Data

Stent	
Catheter type	OTW
Recommended guide wire	0.035"
Stent material	Nitinol
Strut thickness	225 µm (ø 10 mm = 230 µm)
Stent coating	proBIO® (Amorphous Silicon Carbide)
Stent markers	4 gold markers each end
Sizes	ø 7 - 10 mm; L: 30 - 80 mm
Proximal shaft	5.2F, hydrophobic coating
Usable length	70 and 120 cm

Ordering Information

Stent ø (mm)	Catheter length 70 cm Stent length (mm)			
	30	40	60	80
7.0	343773	343774	343775	343776
8.0	343777	343778	343779	343780
9.0	343781	343782	343783	343784
10.0	-	349214	349215	349216

6F

Stent ø (mm)	Catheter length 120 cm Stent length (mm)			
	30	40	60	80
7.0	343785	343786	343787	343788
8.0	343789	343790	343791	343792
9.0	343793	343794	343795	343796

6F

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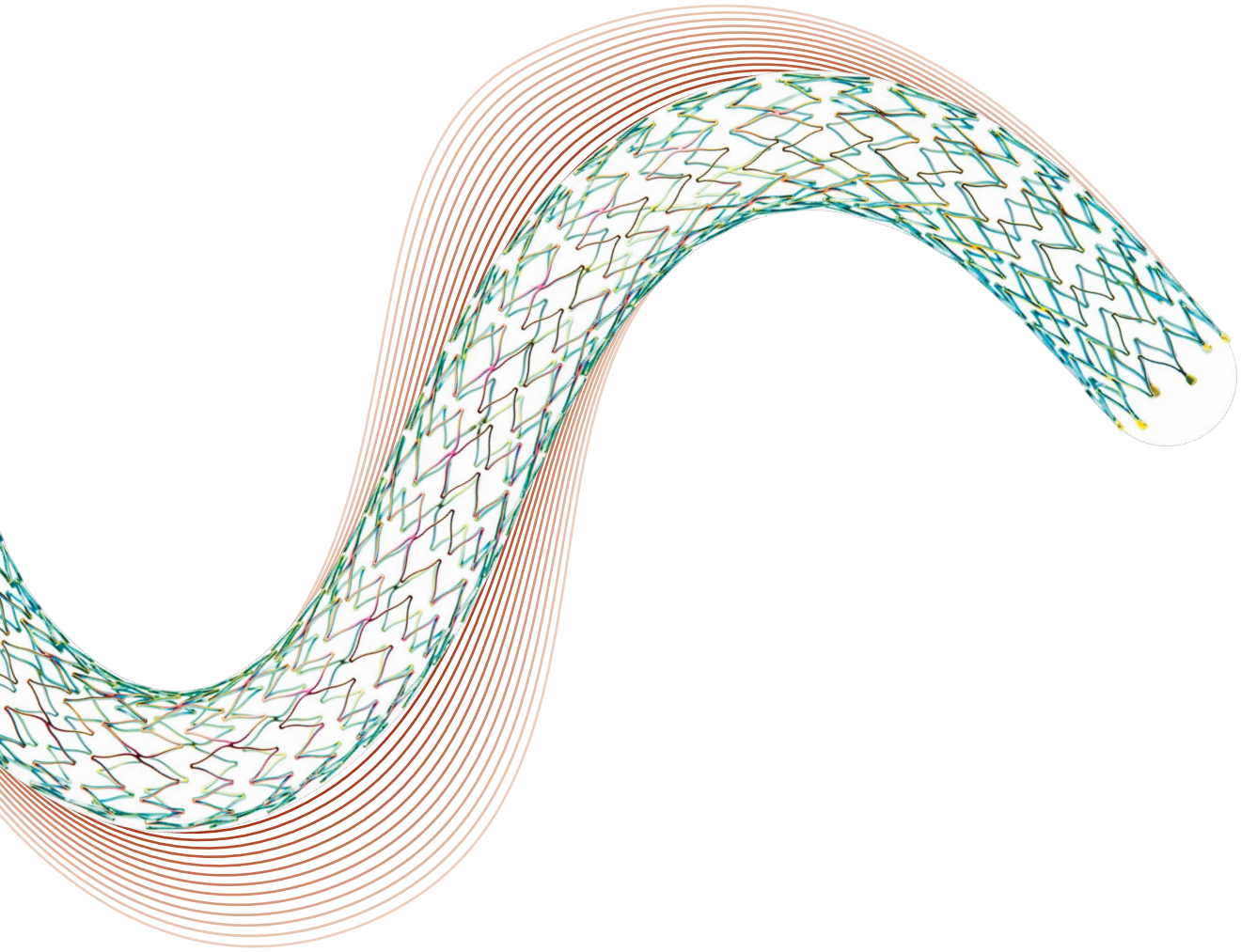
Astron® Pulsar®



- 155 µm thin struts
- 4F low profile
- Simple stent deployment

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Astron Pulsar

Vascular Intervention Peripheral

Indicated for use in patients with atherosclerotic disease of the femoral and infrapopliteal arteries and for the treatment of insufficient results after percutaneous transluminal angioplasty (PTA).*

Technical Data

Stent	
Catheter type	OTW
Recommended guide wire	0.018"
Stent material	Nitinol
Strut thickness	155 µm
Stent coating	proBIO® (Amorphous Silicon Carbide)
Stent markers	6 gold markers each end
Sizes	ø 4 - 7 mm; L: 20 - 80 mm
Proximal shaft	3.6F, hydrophobic coating
Usable length	70 cm (ø 5.0 - 7.0 mm) 72 cm (ø 4.0 mm, L: 60 - 80 mm) 75 cm (ø 4.0 mm, L: 20 - 40 mm) 120 cm (ø 5.0 - 7.0 mm) 130 cm (ø 4.0 mm, L: 60 - 80 mm) 135 cm (ø 4.0 mm, L: 20 - 40 mm)

Ordering Information

	Stent ø (mm)	Catheter length 70 - 75 cm Stent length (mm)				
		20	30	40	60	80
4F	4.0	358939	358940	358941	359347	359680
	5.0	349267	349268	349269	349270	358942
	6.0	349275	349276	349277	349278	358943
	7.0	-	349283	349284	349285	349286

	Stent ø (mm)	Catheter length 120 - 135 cm Stent length (mm)				
		20	30	40	60	80
4F	4.0	358944	358945	358946	359346	359681
	5.0	349271	349272	349273	349274	358947
	6.0	349279	349280	349281	349282	358948
	7.0	-	349287	349288	349289	349290

*Indication as per IFU.

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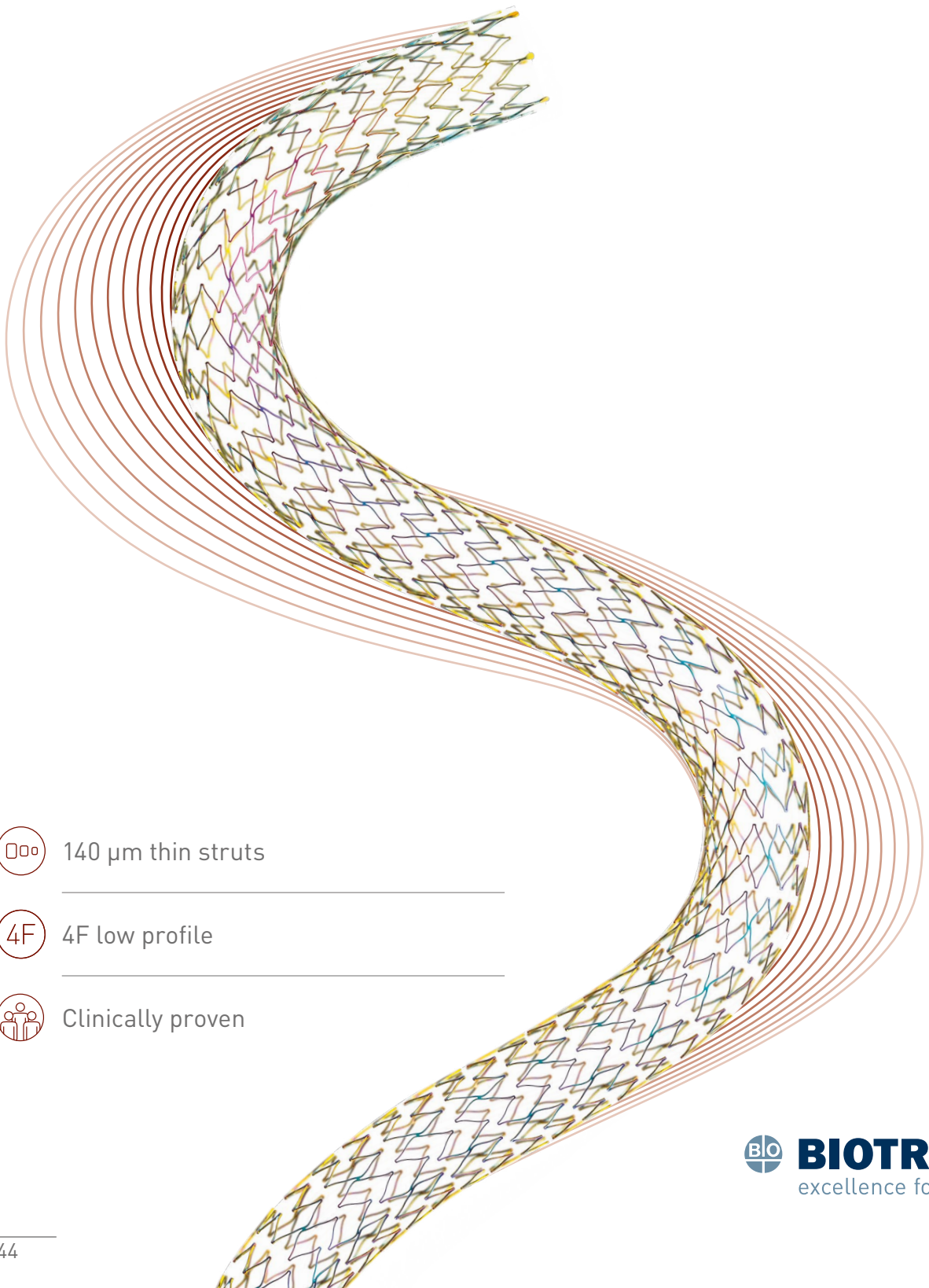
Pulsar®-18



- 140 µm thin struts
- 4F low profile
- Clinically proven

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Pulsar-18

Vascular Intervention Peripheral

Indicated for use in patients with atherosclerotic disease of the femoral and infrapopliteal arteries and for the treatment of insufficient results after percutaneous transluminal angioplasty.*

Technical Data

Stent	
Catheter type	OTW
Recommended guide wire	0.018"
Stent material	Nitinol
Strut thickness	140 µm
Strut width	85 µm
Stent coating	proBIO® (Amorphous Silicon Carbide)
Stent markers	6 gold markers each end
Sizes	ø 4.0 - 7.0 mm: L: 20 - 200 mm
Proximal shaft	3.6F, hydrophobic coating
Usable length	90 cm and 135 cm

Ordering Information

Stent ø (mm)	Catheter length 90 cm (Stent length mm)									
	20**	30	40	60	80	100	120	150	170	200
4.0	377456	377457	377458	377459	377460	366808	366809	366810	366811	366812
5.0	377461	377462	377463	377464	377465	366813	366814	366815	366816	366817
6.0	377466	377467	377468	377469	377470	366818	366819	366820	366821	366822
7.0	377471	377472	377473	377474	377475	366823	366824	366825	366826	366827

4F

Stent ø (mm)	Catheter length 135 cm (Stent length mm)									
	20**	30	40	60	80	100	120	150	170	200
4.0	377476	377477	377478	377479	377480	366828	366829	366830	366831	366832
5.0	377481	377482	377483	377484	377485	366833	366834	366835	366836	366837
6.0	377486	377487	377488	377489	377490	366838	366839	366840	366841	366842
7.0	377491	377492	377493	377494	377495	366843	366844	366845	366846	366847

4F

**8 weeks pre-order only

*Indication as per IFU.

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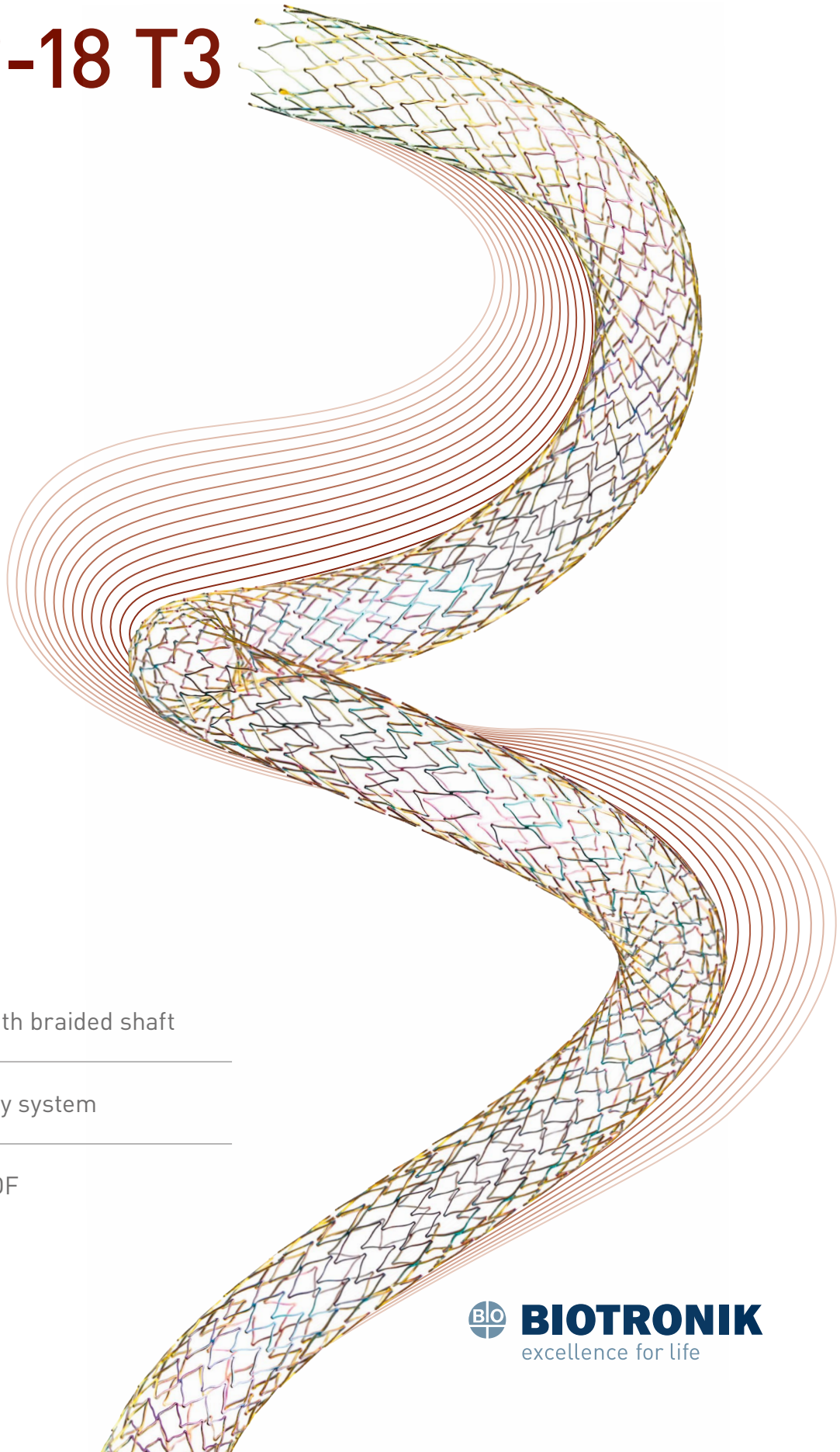
Pulsar®-18 T3



- Tri-axial system with braided shaft
- 4F Low profile delivery system
- Thin struts, low COF

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Pulsar-18 T3

Vascular Intervention Peripheral

Indicated for use in patients with atherosclerotic disease of the superficial femoral, proximal popliteal and infrapopliteal arteries and for the treatment of insufficient results after Percutaneous Transluminal Angioplasty (PTA), e.g. residual stenosis and dissection.*

Technical Data

Stent	
Catheter type	OTW
Recommended guide wire	0.018"
Stent material	Nitinol
Strut thickness	140 µm
Strut width	85 µm
Stent coating	proBIO® (Amorphous Silicon Carbide)
Stent markers	6 gold markers each end
Sizes	ø 4.0 - 7.0 mm: L: 20 - 200 mm
Proximal shaft	4F, hydrophobic coating
Usable length	90 cm and 135 cm

Ordering Information

Stent ø (mm)	Catheter length 90 cm (Stent length mm)									
	20**	30	40	60	80	100	120	150	170	200
4.0	430437	430438	430439	430440	430441	430442	430443	430444	430445	430446
5.0	430447	430448	430449	430450	430451	430452	430453	430454	430455	430456
6.0	430457	430458	430459	430460	430461	430462	430463	430464	430465	430466
7.0	430467	430468	430469	430470	430471	430472	430473	430474	430475	430476

4F

Stent ø (mm)	Catheter length 135 cm (Stent length mm)									
	20**	30	40	60	80	100	120	150	170	200
4.0	430477	430478	430479	430480	430481	430482	430483	430484	430485	430486
5.0	430487	430488	430489	430490	430491	430492	430493	430494	430495	430496
6.0	430497	430498	430499	430500	430501	430502	430503	430504	430505	430506
7.0	430507	430508	430509	430510	430511	430512	430513	430514	430515	430516

4F

**8 weeks pre-order only

*Indication as per IFU.

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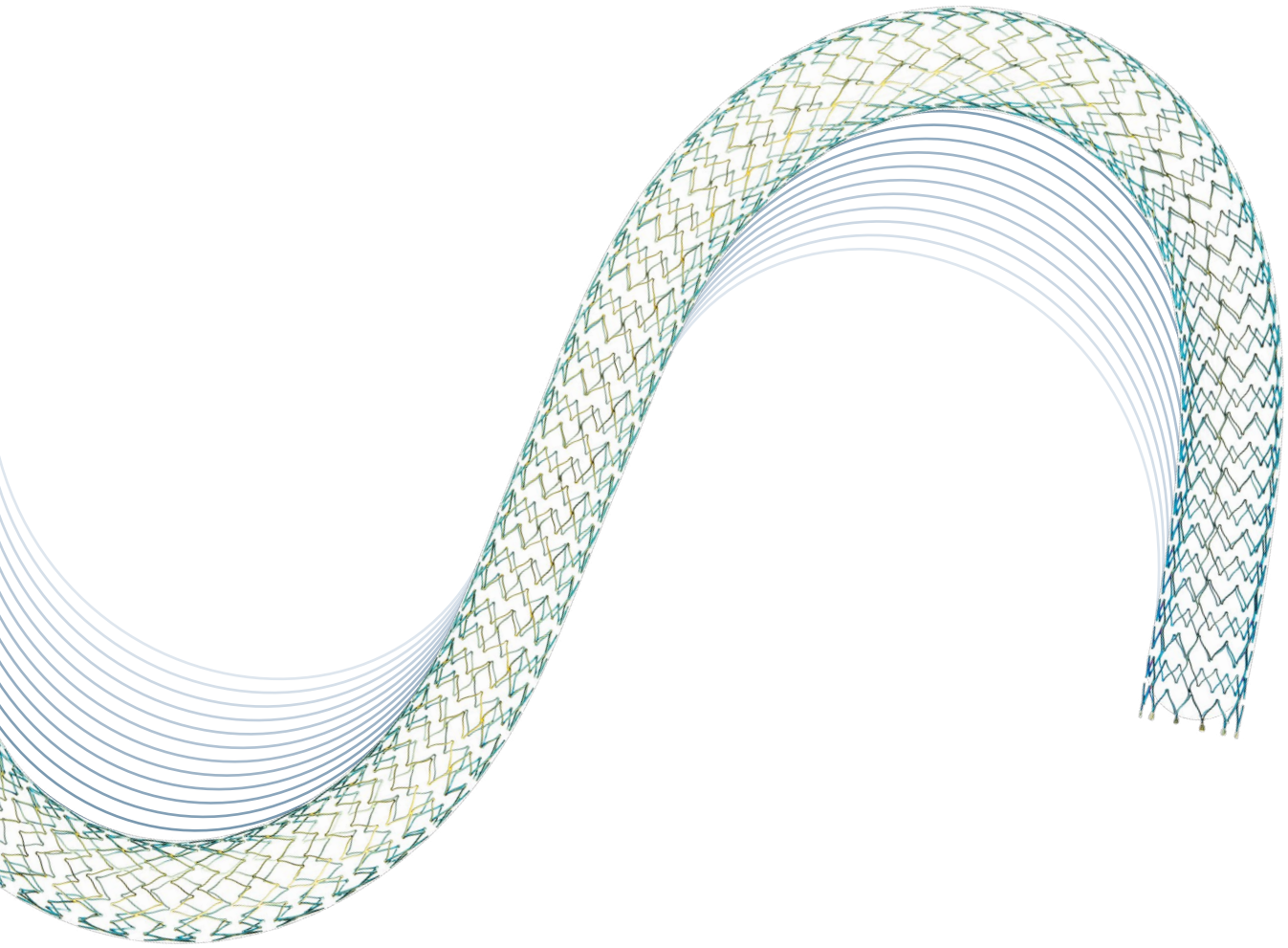
Pulsar®-35



- 140 µm thin struts
- Clinically proven
- Tri-axial delivery system

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Pulsar-35

Vascular Intervention Peripheral

Indicated for use in patients with atherosclerotic disease of the femoral and proximal popliteal arteries, in particular for the treatment of insufficient results after percutaneous transluminal angioplasty (PTA).*

Technical Data	Stent
Catheter type	OTW
Recommended guide wire	0.035"
Stent material	Nitinol
Strut thickness	140 µm
Strut width	85 µm
Stent coating	proBIO® (Amorphous Silicon Carbide)
Stent markers	6 gold markers each end
Sizes	ø 5.0 - 7.0 mm; L: 30 - 170 mm
Proximal shaft	6F, hydrophobic coating
Usable length	90 and 135 cm

Ordering Information

	Stent ø (mm)	Catheter length 90 cm (Stent length mm)								
		30	40	60	80	100	120	150	170	200
6F	5.0	379878	379879	379880	379881	379917	379918	379919	379920	379921
	6.0	379883	379884	379885	379886	379922	379923	379924	379925	379926
	7.0	379888	379889	379890	379891	379927	379928	379929	379930	379931

	Stent ø (mm)	Catheter length 135 cm (Stent length mm)								
		30	40	60	80	100	120	150	170	200
6F	5.0	379898	379899	379900	379901	379937	379938	379939	379940	379941
	6.0	379903	379904	379905	379906	379942	379943	379944	379945	379946
	7.0	379908	379909	379910	379911	379947	379948	379949	379950	379951

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2 Peripheral Drug-Coated Balloon Catheters

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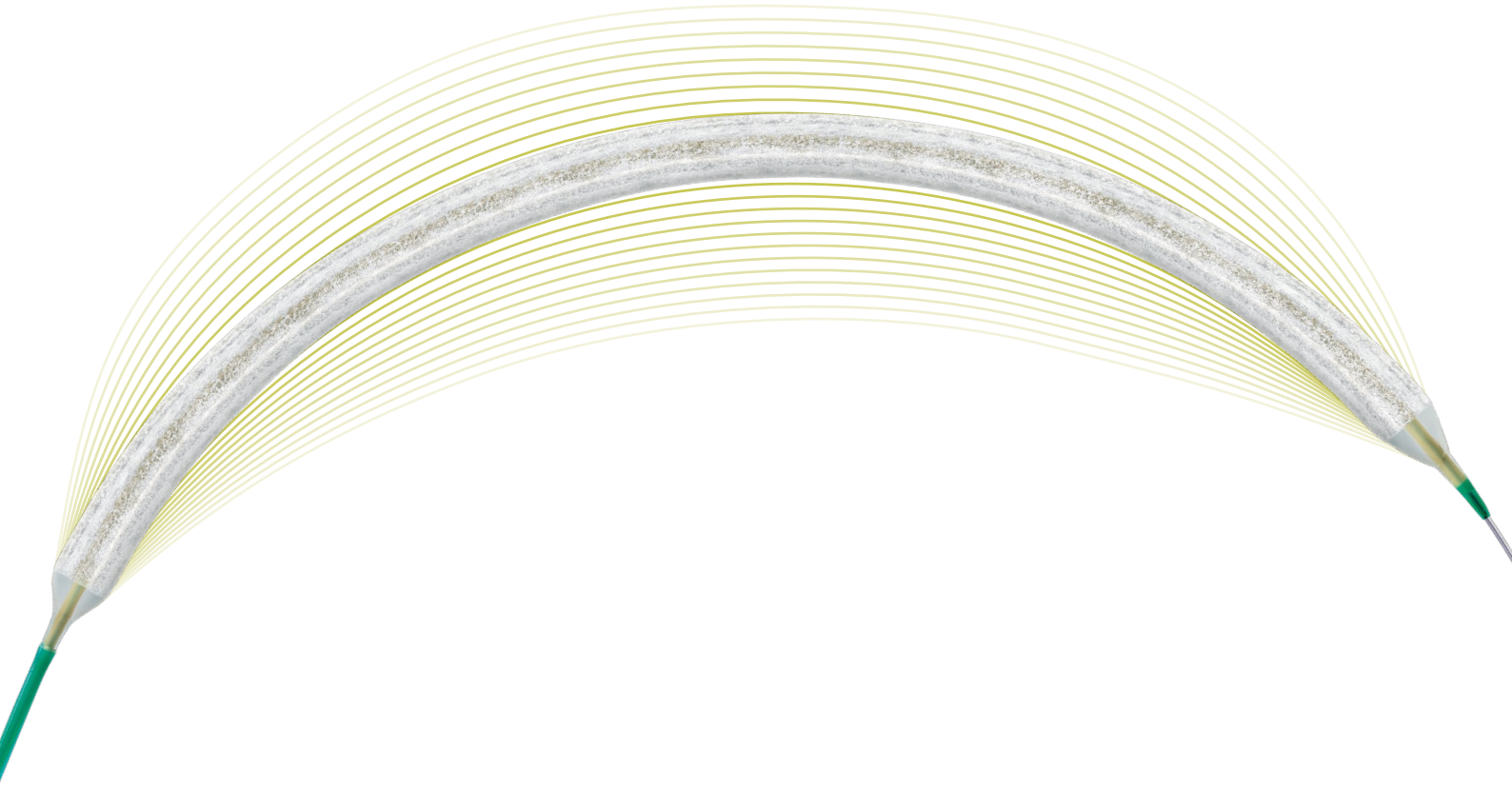
Passeo®-18 Lux™



- Clinically proven
- Effective drug delivery
- Prolonged drug presence

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Passeo-18 Lux

Vascular Intervention Peripheral

Indicated to dilate de novo or restenotic lesions in the infrainguinal arteries.*

Technical Data

Drug-coated balloon

Catheter type	OTW
Recommended guide wire	0.018"
Tip	Short, tapered
Balloon markers	2 swaged markers (zero profile)
Shaft	3.8F, hydrophobic coated
Usable Length	90, 130 cm; 150 cm (only ø 2.0 mm)
Introducer size	4F (ø 2.0 - 4.0 mm); 5F (ø 5.0 - 7.0 mm)
Nominal Pressure (NP)	6 atm
Rated Burst Pressure (RBP)	15 atm (ø 2.0 - 5.0 mm); 12 atm (ø 6.0 - 7.0 mm)

Coating

Drug	Paclitaxel
Drug concentration	3.0 µg/mm²
Coating 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 40-120	ø 2.5 x 40-120	ø 3.0 x 40-120	ø 4.0 x 40-120	ø 5.0 x 40-120	ø 6.0 x 40-120	ø 7.0 x 40-120
Nominal Pressure (NP)	atm**	6	6	6	6	6	6	6
	ø (mm)	2.0	2.5	3.0	4.0	5.0	6.0	7.0
Rated Burst Pressure (RBP)	atm**	15	15	15	15	15	12	12
	ø (mm)	2.1	2.6	3.2	4.3	5.3	6.2	7.3

**1 atm = 1.013 bar

Ordering Information

	Catheter Length (cm)	Balloon ø (mm)	Balloon Length (mm)		
			40	80	120
	90	2.0	379860	379861	379862
4F	90	2.5	379866	379867	379868
	90	3.0	370843	370848	370853
	90	4.0	370844	370849	370854
	90	5.0	370845	370850	370855
5F	90	6.0	370846	370851	370856
	90	7.0	370847	370852	370857
	150	2.0	379863	379864	379865
4F	130	2.5	379869	379870	379871
	130	3.0	370858	370863	370868
	130	4.0	370859	370864	370869
	130	5.0	370860	370865	370870
5F	130	6.0	370861	370866	370871
	130	7.0	370862	370867	370872

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3 Peripheral Balloon Catheters

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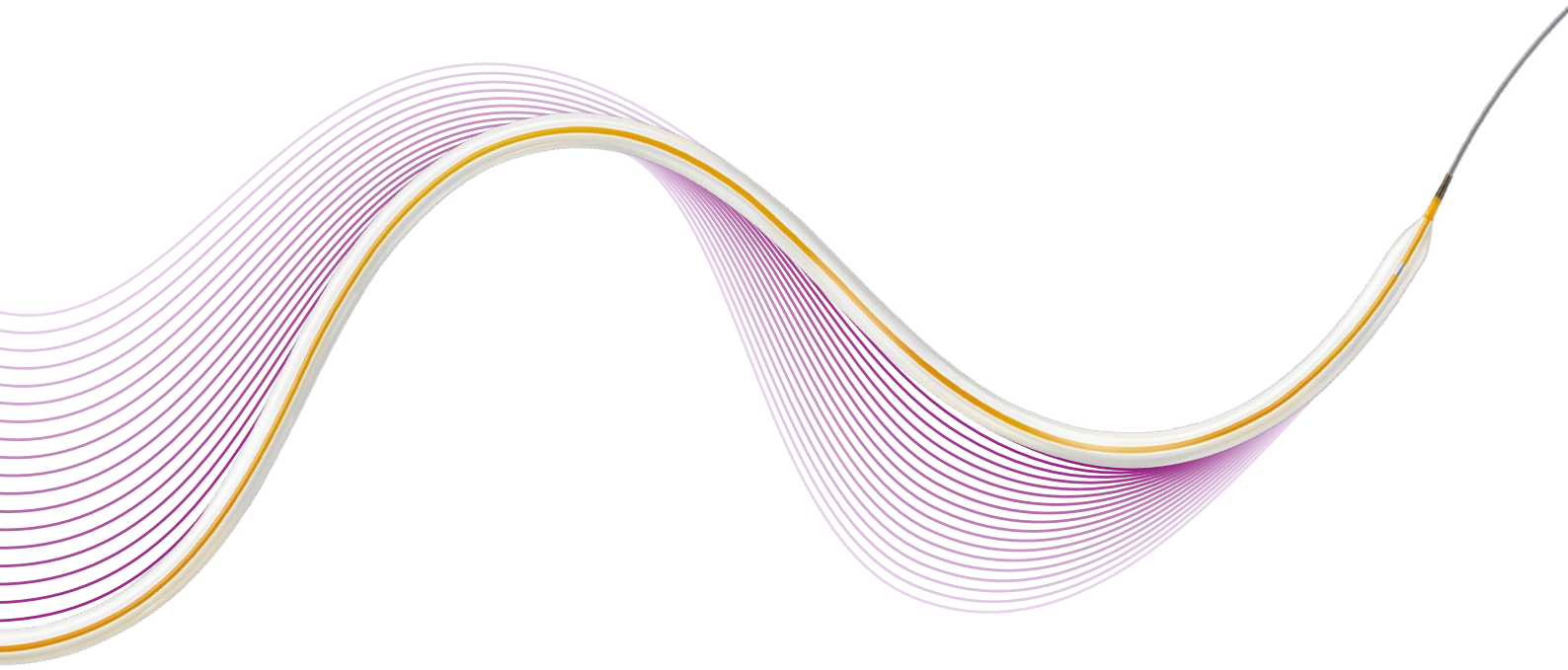
Passeo®-14



- Up to 3.8 x faster deflation times
- Enhanced crossability
- High pushability and flexibility

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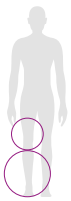
Passeo-14

Indicated for balloon dilatation of the stenotic portion of a lower limb artery for the purpose of improving perfusion.

Vascular Intervention Peripheral



Technical Data

Balloon catheter

Catheter type	OTW
Recommended guide wire	0.014"
Tip	Optimized entry profile and colored
Balloon material	SCP (Semi-Crystalline Polymer), controlled compliance (4 - 6%)
Balloon folding	3-fold
Balloon coating	Hydrophilic patchwork coating
Balloon markers	2 swaged markers (zero profile)
Sizes	ø 1.5 - 4.0 mm; L: 20 - 220 mm
Distal shaft	3.1F, hydrophilic coating, coaxial design; 150 mm length (ø 1.5/2.0 x 20 - 100 mm); 75 mm length (ø 2.0 x 140 - 220 mm and ø 2.5 - 4.0 mm)
Proximal shaft	3.9F, hydrophobic coating, coaxial design; stiffening wire
Usable length	150 cm (ø 1.5 - 4.0 mm); 120 cm (ø 1.5 - 2.0 mm); 90 cm (ø 2.5 - 4.0 mm)

Compliance Chart

Balloon diameter x length (mm)

		ø 1.5 x 20-70	ø 2.0 x 40-220	ø 2.5 x 40-220	ø 3.0 x 40-220	ø 3.5 x 40-140	ø 4.0 x 40-140
Nominal Pressure (NP)	atm*	7	7	7	7	7	7
	ø (mm)	1.5	2.0	2.5	3.0	3.5	4.0
Rated Burst Pressure (RBP)	atm*	14	14	14	14	14	14
	ø (mm)	1.57	2.08	2.61	3.18	3.63	4.16

*1 atm = 1.013 bar

Ordering Information

Antegrade approach

	Catheter Length (cm)	Balloon ø (mm)	Balloon Length (mm) 20	40	70	100	140	180	220
4F	120	1.5	380271[a]	380277	380283	-	-	-	-
	120	2.0	-	380278	380284	380290	380296	380302	380308
	90	2.5	-	380279	380285	380291	380297	380303	380309
	90	3.0	-	380280	380286	380292	380298	380304	380310
	90	3.5	-	380281[a]	380287[a]	380293[a]	380299[a]	-	-
	90	4.0	-	380282	380288	380294	380300	-	-

Crossover approach

	Catheter Length (cm)	Balloon ø (mm)	Balloon Length (mm) 20	40	70	100	140	180	220
4F	150	1.5	380313[a]	380319	380325	-	-	-	-
	150	2.0	-	380320	380326	380332	380338	380344	380350
	150	2.5	-	380321	380327	380333	380339	380345	380351
	150	3.0	-	380322	380328	380334	380340	380346	380352
	150	3.5	-	380323[a]	380329[a]	380335[a]	380341[a]	-	-
	150	4.0	-	380324	380330	380336	380342	-	-

[a]8 weeks pre-order only

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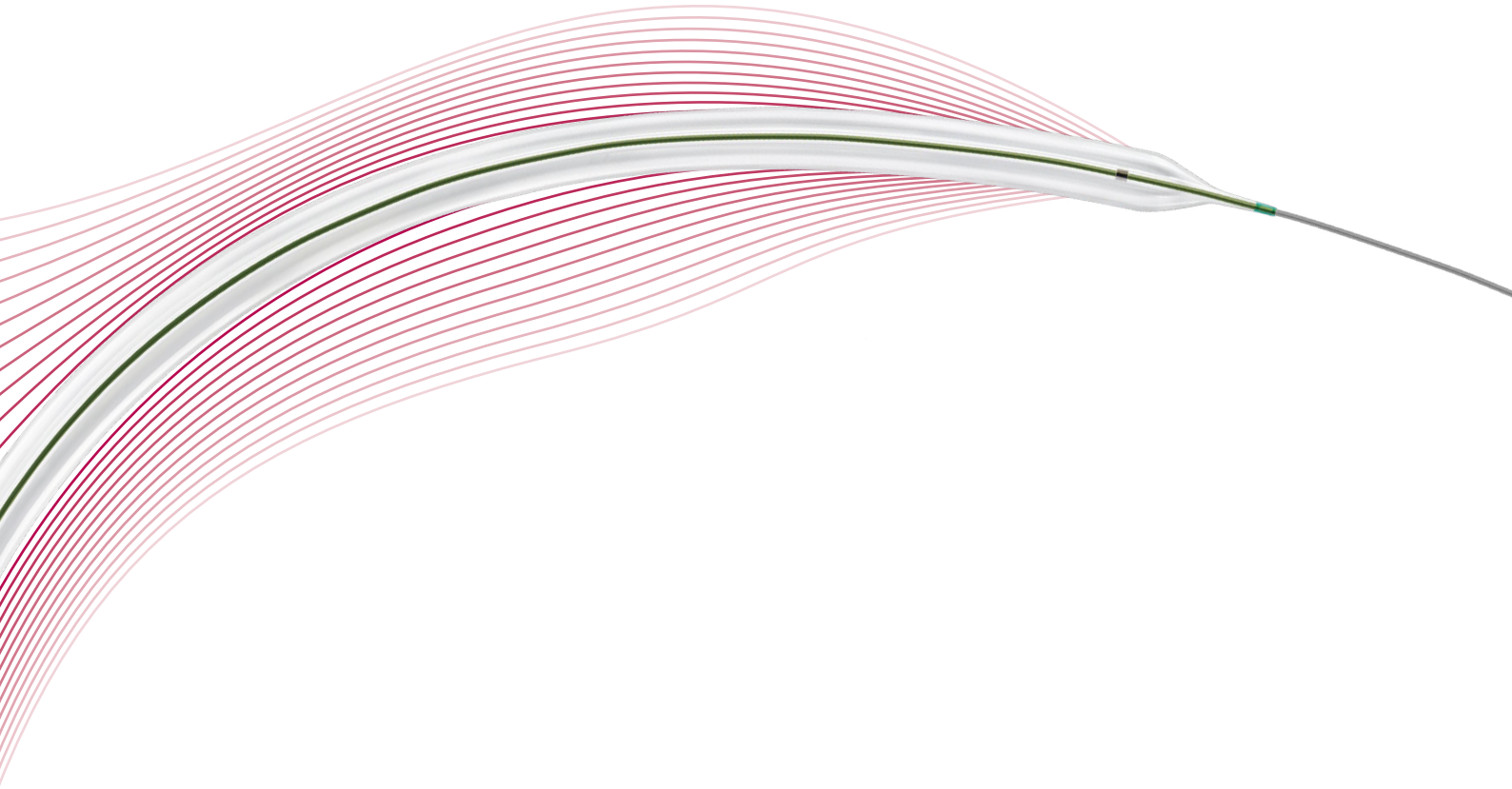

- High pushability
- Low profile and wide range of sizes
- Controlled compliance

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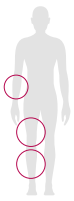
Passeo-18

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

Vascular Intervention Peripheral



Technical Data

Balloon catheter

Catheter type	OTW
Recommended guide wire	0.018"
Tip	Short and tapered, colored
Balloon material	SCP (Semi-Crystalline Polymer), controlled compliance (4 - 8 %)
Balloon folding	5-fold
Balloon coating	Hydrophobic patchwork coating
Balloon markers	2 swaged markers (zero profile)
Sizes	ø 2.0 - 7.0 mm; L: 20 - 200 mm
Shaft	3.8F, 3.9F (ø 6.0/7.0 mm x 170 - 200 mm); coaxial design
Usable length	90, 130 and 150 cm

Compliance Chart

Balloon diameter x length (mm)

		ø 2.0 x 20-170	ø 2.0 x 200	ø 2.5 x 20-170	ø 2.5 x 200	ø 3.0 x 20-170	ø 3.0 x 200	ø 3.5 x 20-170	ø 3.5 x 200	ø 4.0 x 20-150	ø 4.0 x 170-200	ø 5.0 x 20-120	ø 5.0 x 150	ø 5.0 x 170-200	ø 6.0 x 20-200	ø 7.0 x 20-200
Nominal Pressure (NP)	atm*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	ø (mm)	2.0	2.0	2.5	2.5	3.0	3.0	3.5	3.5	4.0	4.0	5.0	5.0	5.0	6.0	7.0
Rated Burst Pressure (RBP)	atm*	15	14	15	14	15	14	15	14	15	13	15	12	13	12	12
	ø (mm)	2.1	2.1	2.6	2.6	3.2	3.2	3.7	3.7	4.3	4.2	5.3	5.2	5.2	6.2	7.3

*1 atm = 1.013 bar

Ordering Information

Antegrade approach

Catheter Length (cm)	Balloon ø (mm)	Balloon Length (mm) 20	40	60	80	120	150	170	200
90	2.0	366098	366099	366100	366104	366105	366106	366114	376276
90	2.5	357451	357458	366101	357469	357476	366107	357483	376277
90	3.0	357452	357459	366102	357470	357477	366108	357484	376278
90	3.5	357453	357460	366103	357471	357478	366109	357485	376279
90	4.0	357454	357461	357465	357472	357479	366110	376272	376280
90	5.0	357455	357462	357466	357473	357480	366111	376273	376281
90	6.0	357456	357463	357467	357474	357481	366112	376274	376282
90	7.0	357457	357464	357468	357475	357482	366113[a]	376275[a]	376283[a]

Retrograde approach

Catheter Length (cm)	Balloon ø (mm)	Balloon Length (mm) 20	40	60	80	120	150	170	200
150	2.0	366115	366118	366119	366123	366126	366129	366137	376296
130	2.5	357486	357491	366120	357502	357507	366130	357512	376297
130	3.0	357487	357492	366121	357503	357508	366131	357513	376298
130	3.5	357488	357493	366122	357504	357509	366132	357514	376299
130	4.0	357489	357494	357498	357505	357510	366133	376292	376300
130	5.0	357490	357495	357499	357506	357511	366134	376293	376301
130	6.0	366116	357496	357500	366124	366127	366135	376294	376302
130	7.0	366117	357497	357501	366125	366128	366136[a]	376295[a]	376303[a]

[a]8 weeks pre-order only

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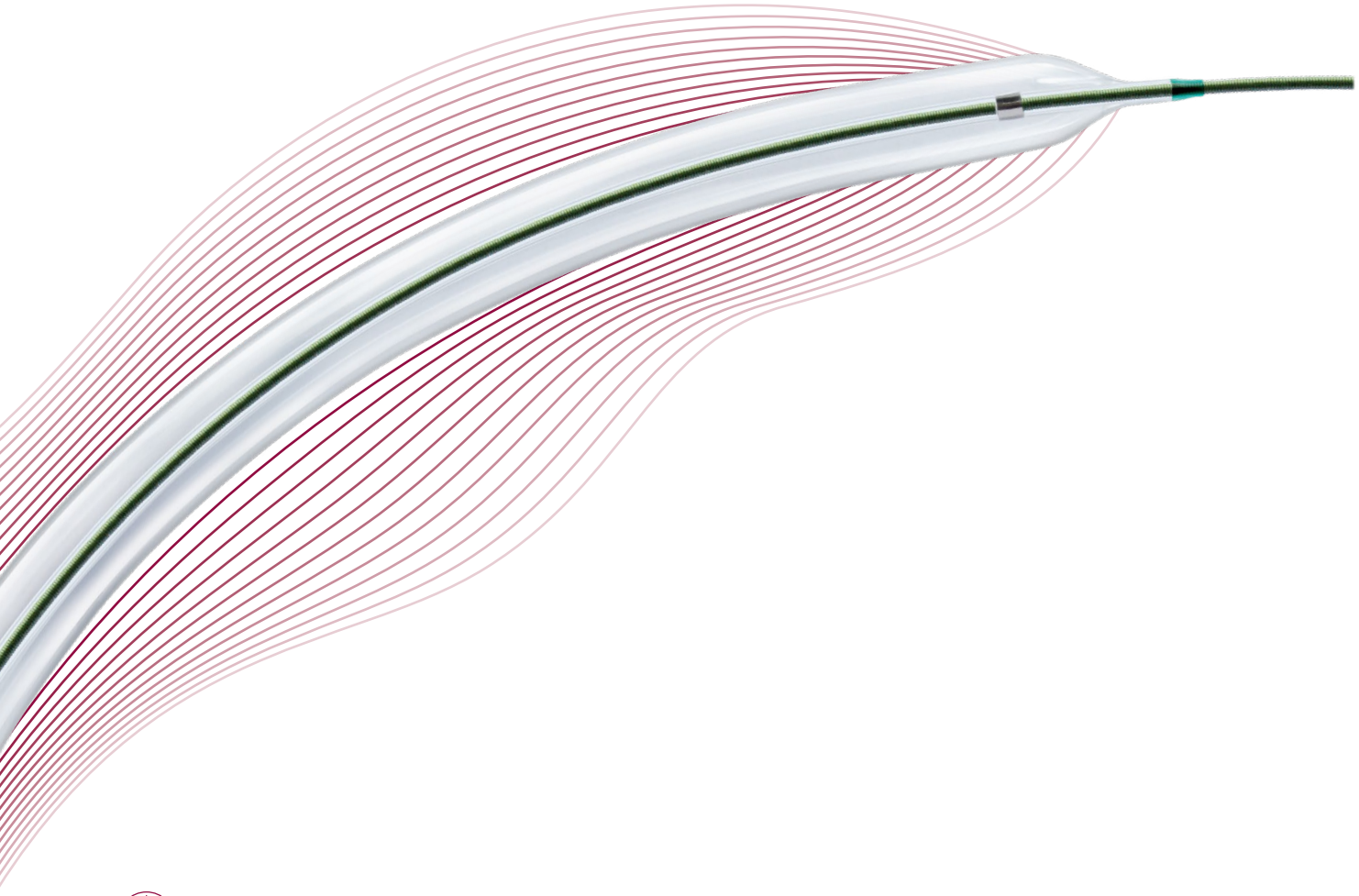

- Low profile, wide range of sizes
- Puncture resistant
- Enhanced crossability

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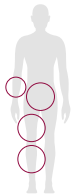
Vascular Intervention Peripheral



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

[a]Usable 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
	3.0	359545	359547	-	-	-	383231	383235	383239	383243	389775	389776[b]	387162
	4.0	359546	359548	-	-	-	383232	383236	383240	383244	383248	383252[b]	383256
5F	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
	8.0	357285	357291	357297	357301	357305	-	-	-	-	-	-	-
6F	9.0	357286	357292	-	-	-	383233	383237	-	-	-	-	-
	10.0	357287	357293	-	-	-	383234	383238	-	-	-	-	-

[b]8 weeks pre-order only

	Balloon ø (mm)	Catheter length 130 cm Balloon length (mm)								
		20	40	60	80	100	120	150	170	200
	3.0	359549	359551	383264	383268	383272	383276	389777	389778	387163
	4.0	359550	359552	383265	383269	383273	383277	383281	383285	383289
5F	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	-	-	-	-
6F	9.0	383260	383262	383266	383270	-	-	-	-	-
	10.0	383261	383263	383267	383271	-	-	-	-	-

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

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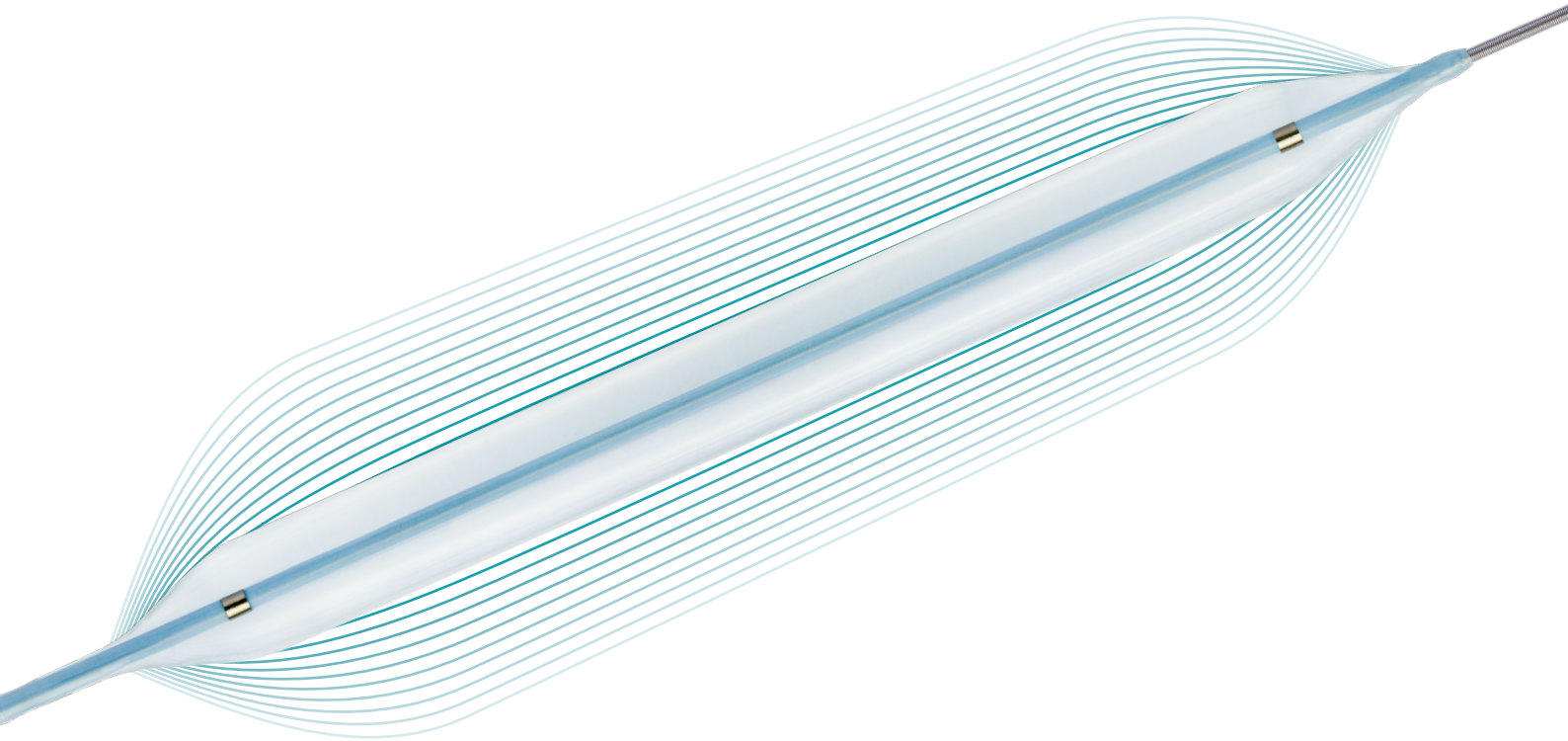

- 96% success rate opening arterio-venous dialysis fistulae
- Controlled compliance at high pressure
- Minimizing vessel straightening

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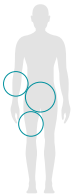
Passeo-35 HP

Vascular Intervention Peripheral



Indicated for use in Percutaneous Transluminal Angioplasty of the femoral, iliac and renal 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
Balloon material	Nylon / Pebax, controlled compliance
Balloon folding	3-fold (ø 3.0 - 9.0 mm); 5-fold (ø 10.0 - 12.0 mm)
Balloon markers	2 radiopaque markers
Sizes	ø 3.0 - 12.0 mm; L: 20 - 100 mm
Shaft	5.9F, coaxial
Usable length	40 cm and 75 cm

Compliance Chart

Balloon diameter x length (mm)

		ø 3.0 x 40	ø 4.0 x 20-40	ø 5.0 x 20-60	ø 6.0 x 20-100	ø 7.0 x 20-100	ø 8.0 x 20-80	ø 9.0 x 40	ø 10.0 x 40	ø 12.0 x 40
Nominal Pressure (NP)	atm**	14	14	14	14	14	14	12	12	12
	ø (mm)	3.11	4.01	5.01	6.05	6.93	7.98	8.96	10.02	11.86
Rated Burst Pressure (RBP)	atm**	27	27	27	25	23	22	20	20	18
	ø (mm)	3.42	4.41	5.46	6.56	7.45	8.50	9.66	10.78	12.41

**1 atm = 1.013 bar

Ordering Information

	Balloon ø (mm)	Catheter length 75 cm Balloon length (mm)					Catheter length 40 cm Balloon length (mm)
		20	40	60	80	100	40
	3.0	-	399077	-	-	-	-
	4.0	399078	399079	-	-	-	-
6F	5.0	399080	399081	399082	-	-	-
6F	6.0	399083	399084	399085	-	399086	399063
6F	7.0	399087	399088	399089	-	399090	399067
6F	8.0	399091	399092	399093	399094	-	399071
7F	9.0	-	399095	-	-	-	-
7F	10.0	-	399096	-	-	-	-
8F	12.0	-	399097	-	-	-	-

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

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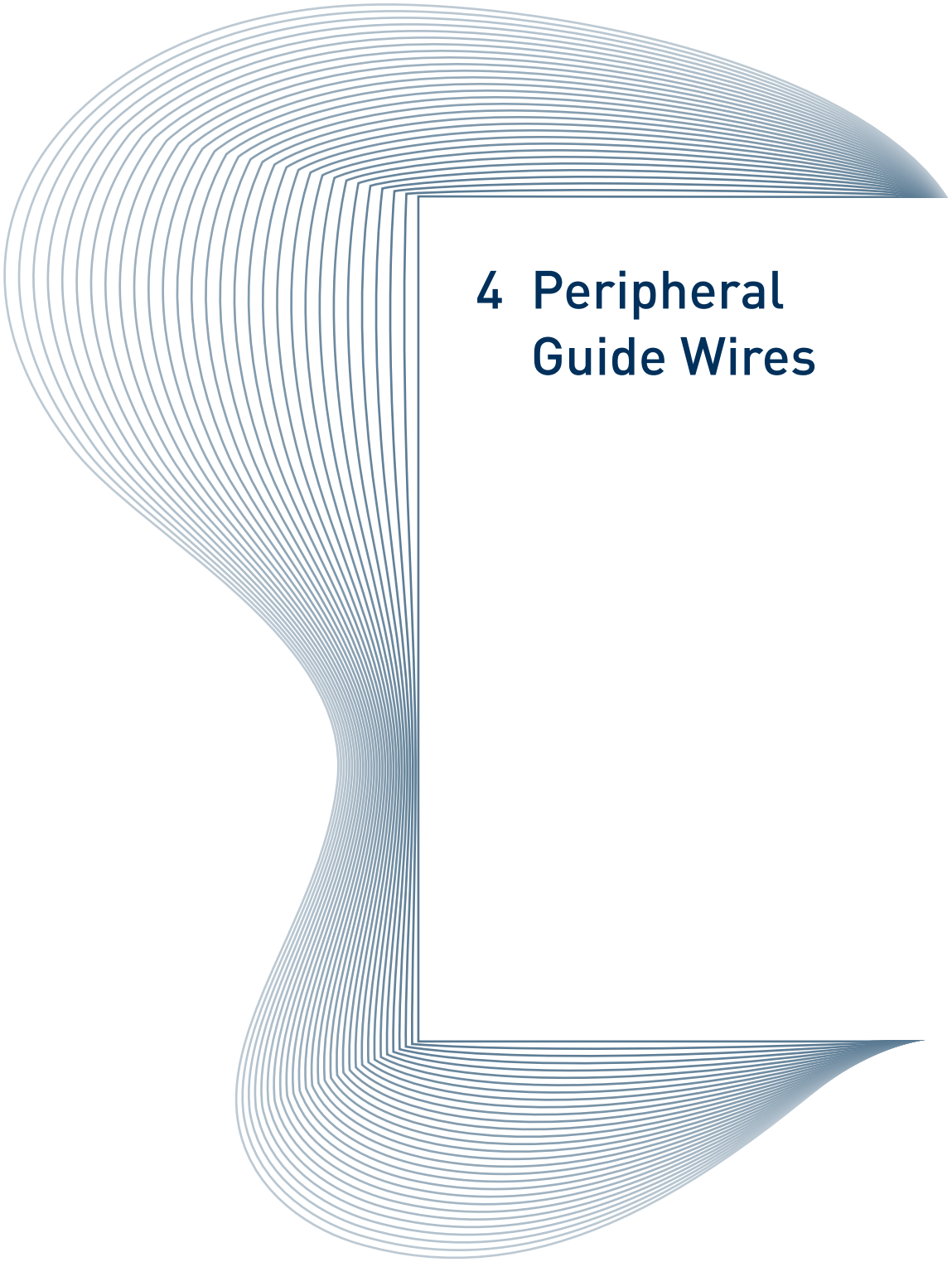
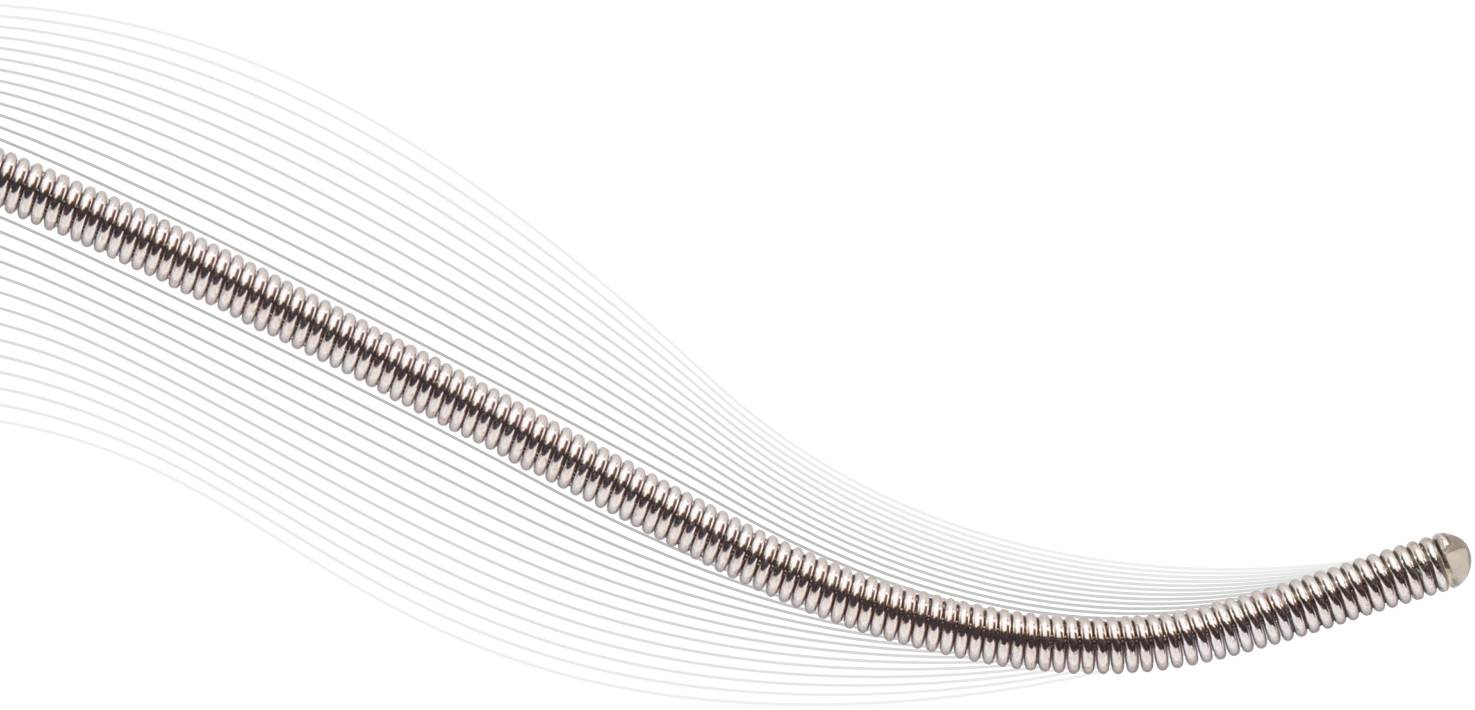


4 Peripheral Guide Wires

Cruiser®



- Perfect control and easy handling
- Multiple vessel treatment due to tip shape retention and durability
- Smooth guide wire trackability and optimal visibility

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Cruiser

Indicated for coronary arteries.*

Vascular
Intervention
Peripheral

Technical Data	Guide wire	
	Diameter	0.014"
	Length	190 cm
	Core wire material proximal	Stainless steel
	Core wire material distal	Chromium enriched Nitinol
	Proximal coil	Stainless steel
	Distal coil	Platinum, radiopaque (3 cm for standard support /4.5 cm for ES)
	Shaping ribbon	Stainless steel (3 cm)
	Proximal (shaft) coating	PTFE
	Distal coating	Hydrophobic (30 cm)
	Range of tip flexibilities	High flexible, flexible, medium
	Range of support levels	Standard and Extra Support (ES)
	Shaft markers	92 cm and 102 cm from distal end

Ordering Information	Catalogue number	Tip shape	Tip flexibility	Label color code	Support level	Length
	351460	Straight	High flexible	Red	Standard	190 cm
	351463	J	High flexible	Red	Standard	190 cm
	351461	Straight	Flexible	Orange	Standard	190 cm
	351464	J	Flexible	Orange	Standard	190 cm
	351462	Straight	Flexible	Blue	Standard	190 cm
	351465	J	Flexible	Blue	Standard	190 cm
	351466	Straight	Flexible	Brown	Extra support	190 cm
	351468	J	Flexible	Brown	Extra support	190 cm
	351467	Straight	Flexible	Yellow	Extra support	190 cm
	351469	J	Flexible	Yellow	Extra support	190 cm

* Indicated also for peripheral arteries (as per IFU).

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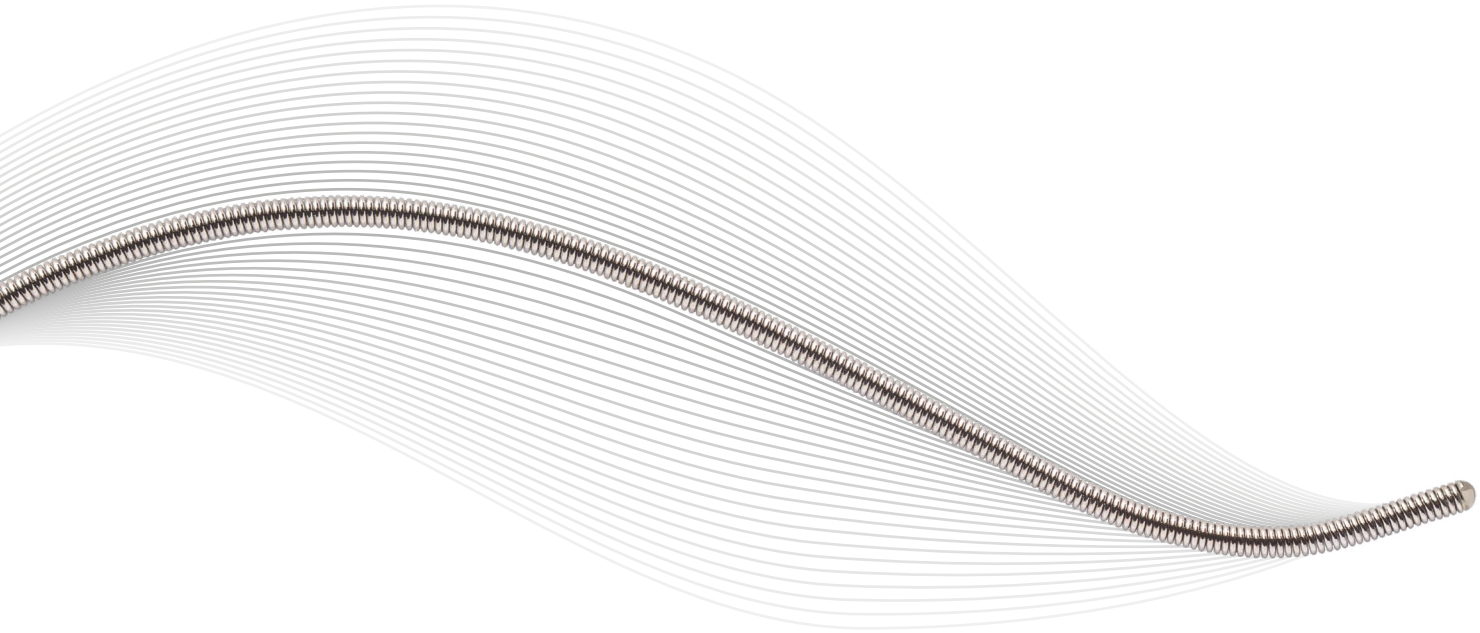
Cruiser®-18



- Single-piece stainless steel core wire
- Re-shapeable tip design with highly visible coil material
- Multiple tip configurations offer options in complex lesions

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Cruiser-18

Indicated for use in the peripheral vasculature.*

Vascular
Intervention
Peripheral

Technical Data	Guide wire		
	Diameter		0.018"
	Length		195 cm and 300 cm
	Material	Core wire Coil outer Coil inner	Stainless steel 6 cm stainless steel 2 cm platinum/tungsten (radiopaque)
	Radiopaque tip length		2 cm
	Coating	Proximal Distal	PTFE 13.5 cm hydrophilic
	Range of tip flexibilities	Medium and stiff	

Ordering Information	Catalogue number	Support Level	Length
	357259	Medium	195 cm
	357260	Stiff	195 cm
	357261	Medium	300 cm
	357262	Stiff	300 cm

*Indication as per IFU.

Manufacturer:
BRIVANT LTD.
Parkmore West
Business Park,
Galway, Ireland
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Fax. +353 9176 6598

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Accessory Products

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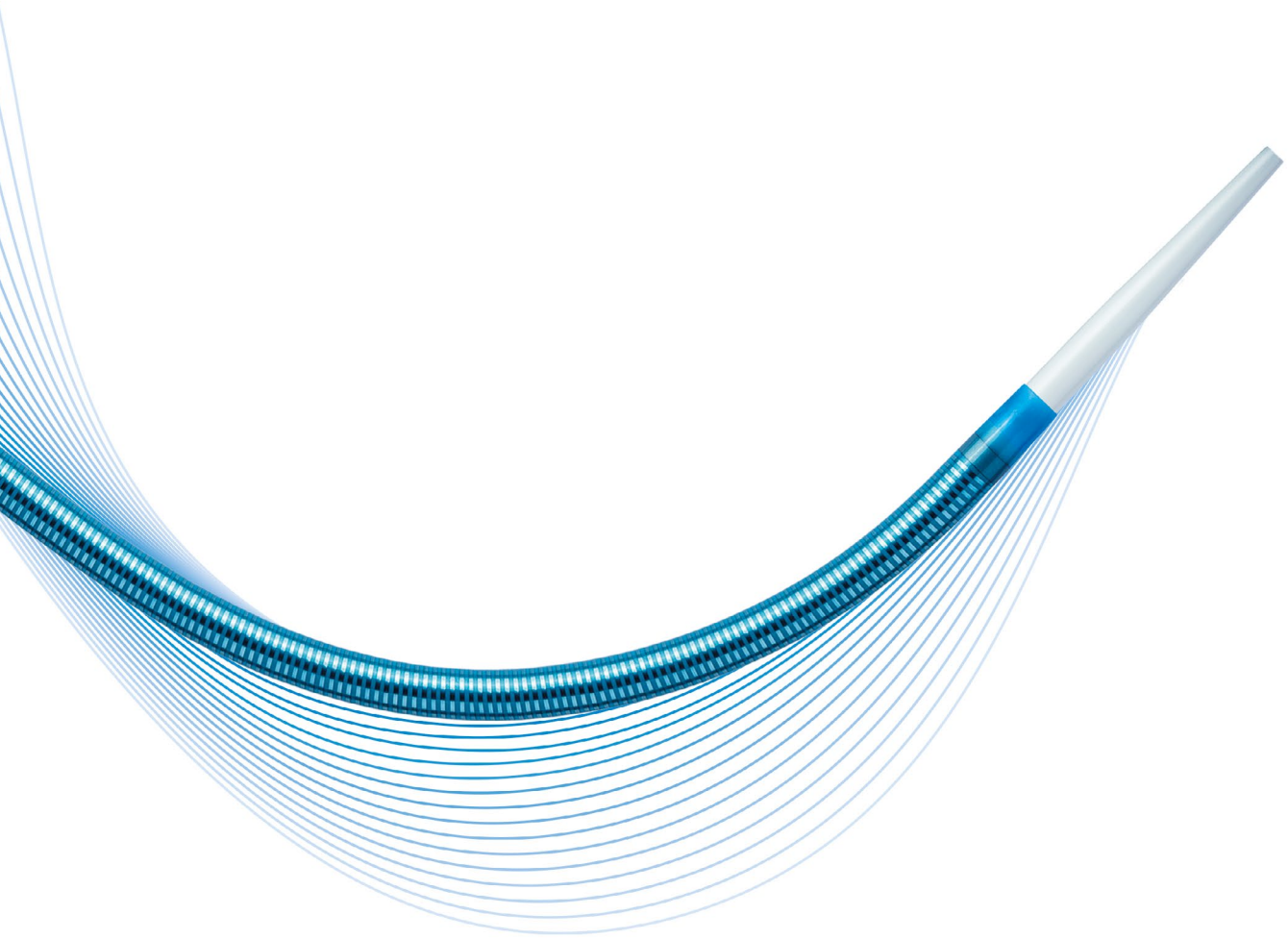
Fortress®



- Excellent kink and deformation resistance
- Easy insertion
- Superb radiopacity

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Fortress

Indicated to provide access into the femoral, popliteal and infrapopliteal arteries.*

Vascular Intervention Accessory Products

Technical Data

Introducer Sheath

French size	4F, 5F and 6F
Length	45, 65 and 90 cm
Sheath material	Stainless steel coil reinforced polymer, PTFE liner
Sheath tip	Smooth taper with radiopaque marker band located 3-5 mm from the sheath tip
Sheath shape	Pre-curved 45 cm Straight 45, 65 and 90 cm
Sheath coating	Hydrophobic, distal 30 cm (5F and 6F only)

Dilator

Recommended guide wire	0.035"
Tip	Smooth taper with radiopaque filler material
Shape	Pre-curved and straight
Hub	4F: fixed hemostatic valve 5F, 6F: removable hemostatic valve Side-arm with color coded 3-way stop cock

Ordering Information

	Sheath length (cm)	Sheath shape	Introducer description	Catalogue number	Dilator(s) included	Units per box
4F	45	Curved	Crossover	358813	Curved / Straight	5
	45	Straight	Straight-45	358814	Curved / Straight	5
	65	Straight	Straight-65	444486	Straight	5
	90	Straight	Straight-90	444485	Straight	5
5F	45	Curved	Crossover	386590	Straight	5
	45	Straight	Straight-45	386591	Straight	5
	65	Straight	Straight-65	444484	Straight	5
	90	Straight	Straight-90	444483	Straight	5
6F	45	Curved	Crossover	386593	Straight	5
	45	Straight	Straight-45	386594	Straight	5
	65	Straight	Straight-65	444482	Straight	5
	90	Straight	Straight-90	444481	Straight	5

*Indication as per IFU.

Manufacturer:
Contract Medical
International GmbH
Lauensteiner Strasse 37
01277 Dresden, Germany
Tel +49 351 213 88 88
Fax +49351 21388 99
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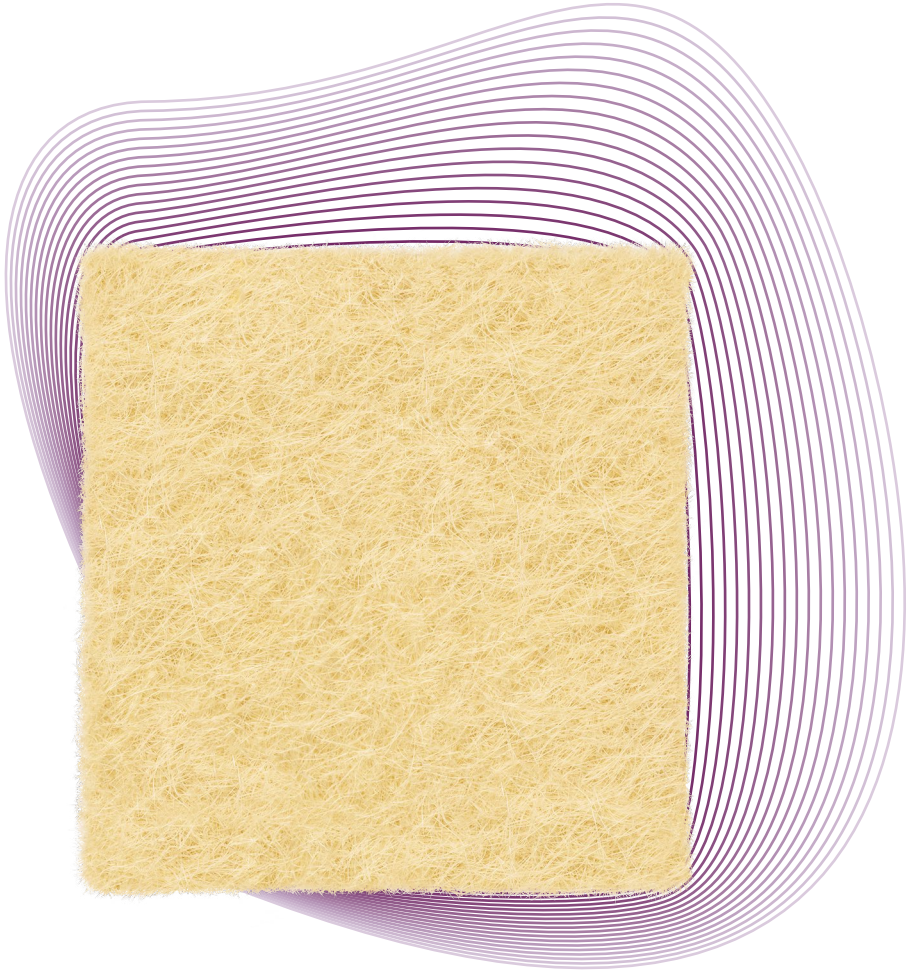
Neptune® Pad



- Naturally derived from seaweed
- Designed to facilitate hemostasis
- Provides additional calcium ions to accelerate the clotting process

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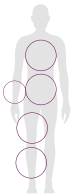
Neptune Pad

Indicated to promote the rapid control of bleeding and provide hemostasis at the skin surface.*

Vascular Intervention Accessory Products



Ordering Information	Catalogue number	Pieces per box	Material	Size
	350438	10	Calcium alginate	2" x 2"

*Indication as per IFU.

Neptune is a trademark or registered trademark of TZ Medical Inc.

Manufacturer:
TZ Medical Inc.
17750 SW Upper
Boones Ferry Rd.
Portland, OR 97224, USA
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Fax +1 503 639 0239
www.tzmedical.com

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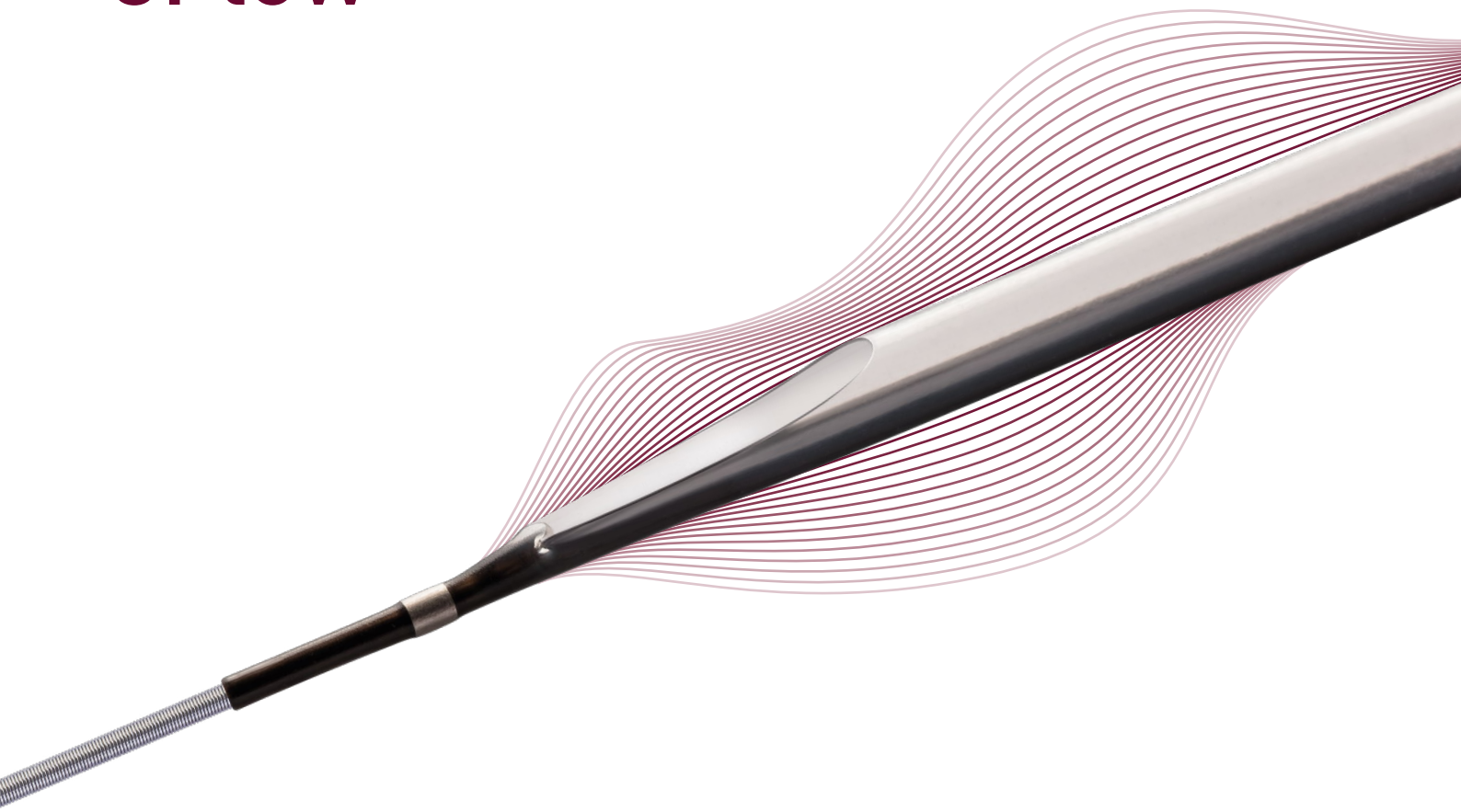
3Flow



- Large inner diameter enables extraction of larger thrombotic particles
- Extra large 60 ml locking syringe allows for longer aspiration time
- Hydrophilic coating for optimal trackability

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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.

Manufacturer:
ARTHESYS
4, rue René Razel
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www.arthesys.com

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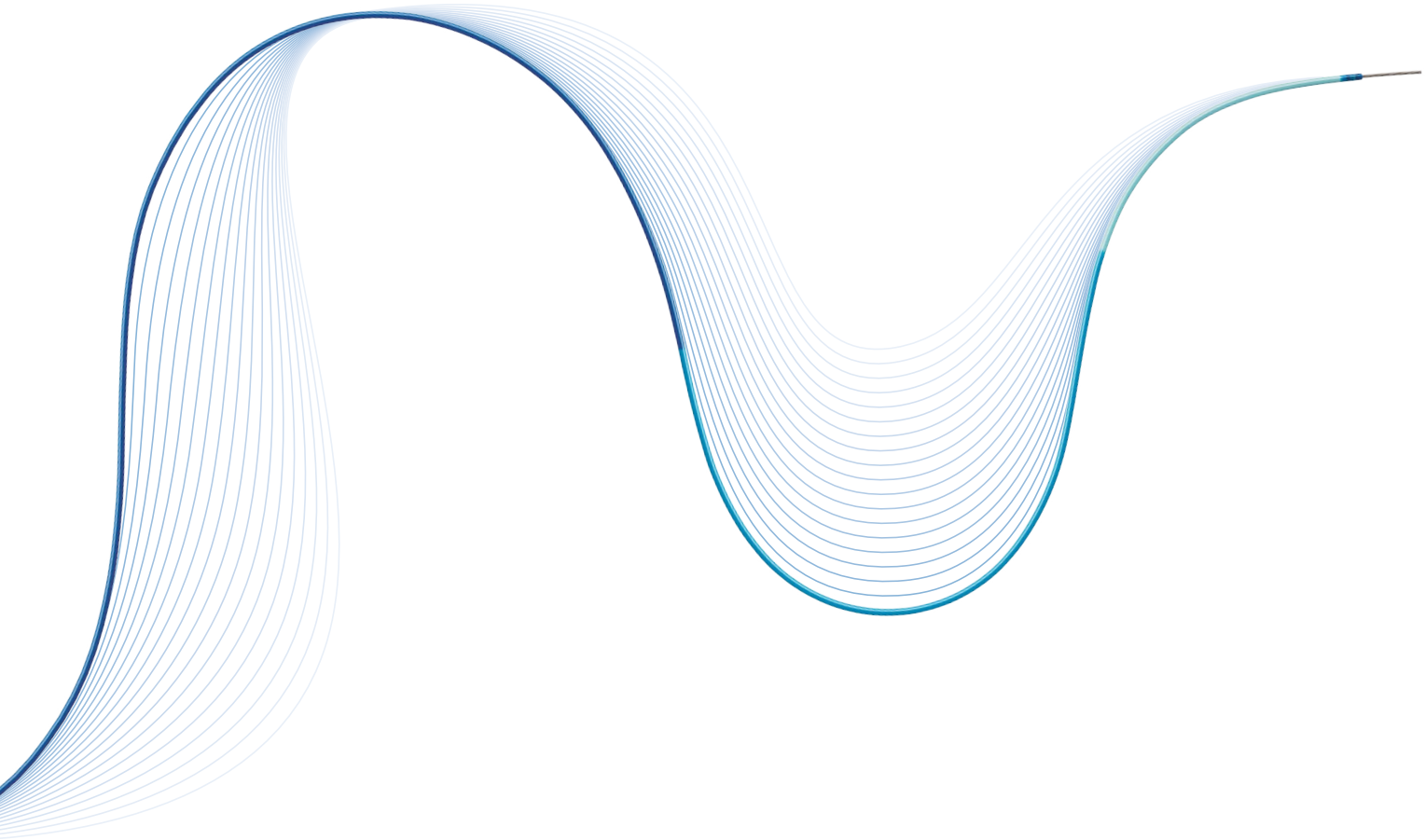
Carnelian® Support

Multiple solutions for lesion crossing



- Extensive device selection for a wide range of lesions
- Lowest profile solution for excellent crossability
- Braided multi-segment shaft allowing a balance of support and flexibility

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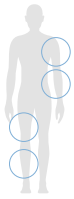
Carnelian Support

Indicated for the exchange and support of guidewires into peripheral vasculature*

Vascular Intervention Peripheral



Technical Data	Support Microcatheter	
	French size	Proximal: 2.6F Distal: 1.6 or 1.8F
	Usable length	60, 70, 80, 90, 110, 135 and 150 cm
	Shaft material	Tungsten braided shaft, PTFE liner
	Coating	Hydrophilic, distal 40, 60, 80, 100 and 120 cm
	Tip	Straight with platinum marker
	Recommended guide catheter	0.035"

Ordering Information	Guidewire	Usable length (cm)	Distal (F)	Proximal (F)	Hydrophilic coating (cm)	Catalogue number
Carnelian Support 18 0.018"	0.018"	70	1.8	2.6	40	445719
	0.018"	90	1.8	2.6	60	445720
	0.018"	135	1.8	2.6	100	445721
	0.018"	150	1.8	2.6	120	445722
Carnelian Support DP Distal puncture	0.014"	60	1.8	2.6	40	445716
	0.014"	80	1.8	2.6	60	445717[a]
Carnelian Support HD Hard shaft	0.014"	90	1.8	2.6	60	445713
	0.014"	135	1.8	2.6	100	445714
	0.014"	150	1.8	2.6	120	445715
Carnelian Support 14 0.014"	0.014"	90	1.8	2.6	60	445710
	0.014"	110	1.8	2.6	80	445983[a]
	0.014"	135	1.8	2.6	100	445711
	0.014"	150	1.8	2.6	120	445712
Carnelian Support BTA Below-the-ankle	0.014"	150	1.6	2.6	120	445718

[a]Available on pre-order

*Excluding central circulatory system and neurovasculature; indicated as per IFU.

Carnelian is a trademark or registered trademark of Tokai Medical Products, Inc.

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BIOTRONIK // Vascular Intervention

VI Product Catalogue

Aug 2019

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