BIOTRONIK

Product Catalogue

Vascular Intervention

BIOTRONIK
excellence for life

Table of Contents

Vascular Intervention Product Catalogue

1. Coronary Products

1.1 Drug Eluting Stent Systems
- 1.1.1 Orsiro – Hybrid Drug Eluting Stent

1.2 Balloon-Expandable Stent Systems
- 1.2.1 PRO-Kinetic Energy – Cobalt Chromium Coronary Stent System
- 1.2.2 PK Papyrus – Covered Coronary Stent System

1.3 Drug Releasing Balloon Catheters
- 1.3.1 Pantera Lux – Paclitaxel Releasing Balloon

1.4 Balloon Catheters
- 1.4.1 Pantera – Coronary Balloon
- 1.4.2 Pantera LEO – Non-Compliant High Pressure Balloon
- 1.4.3 AngioSculpt – Scoring Balloon Catheter/OTW

1.5 Guide Wires
- 1.5.1 Cruiser/Cruiser Hydro – Coronary Guide Wire
- 1.5.2 Galeo Pro – Coronary Guide Wire
- 1.5.3 Magnum – Coronary Guide Wire

2. Peripheral Products

2.1 Stent Systems
- 2.1.1 Dynamic Renal – Balloon Expandable Stent/0.014"/RX
- 2.1.2 Dynamic – Balloon Expandable Stent/0.035"/OTW
- 2.1.3 PRO-Kinetic Energy Explorer – Balloon-Expandable Stent/0.014"/RX
- 2.1.4 Astron – Self-Expanding Stent/0.035"/OTW
- 2.1.5 Astron Pulsar – Self-Expanding Stent/0.018"/OTW
- 2.1.6 Pulsar-18 – Self-Expanding Stent/0.018"/OTW
- 2.1.7 Pulsar-35 – Self-Expanding Stent/0.035"/OTW

2.2 Drug Releasing Balloon Catheters
- 2.2.1 Passeo-18 Lux – Drug Releasing Balloon/0.018"/OTW

2.3 Balloon Catheters
- 2.3.1 Passeo-14 – PTA Balloon/0.014"/OTW
- 2.3.2 Passeo-18 – PTA Balloon/0.018"/OTW
- 2.3.3 Passeo-35 – PTA Balloon/0.035"/OTW
- 2.3.4 Passeo-35 HP – High Pressure PTA Balloon/0.035"/OTW
- 2.3.5 AngioSculpt – Scoring Balloon Catheter/OTW

2.4 Guide Wires
- 2.4.1 Cruiser/Cruiser Hydro – Peripheral Guide Wire
- 2.4.2 XT-14 – Peripheral Guide Wire
- 2.4.3 Cruiser-18 – Peripheral Guide Wire

3 Accessory Products

- 3.1 Fortress – Reinforced Introducer Sheath System / 4F, 5F, 6F
- 3.2 Neptune Pad – Non-Invasive Haemostasis Device
- 3.3 3Flow – Aspiration Catheter

For detailed indication please consult the respective Instructions for Use.
Specifications are subject to modification, revision and improvement.

BIOTRONIK
excellence for life

1.1 Coronary Drug Eluting Stent Systems

BIOTRONIK
excellence for life

Orsiro

Hybrid Drug Eluting Stent
Indicated for discrete de-novo stenotic lesions and in-stent restenotic lesions

- Performs as best in class
- Bioabsorbable polymer for controlled drug release of a limus drug
- Proven PRO-Kinetic Energy / PK Papyrus stent design provides exceptional deliverability to access a wider range[1] of lesions

[1] Indication as per IFU

BIOTRONIK
excellence for life

Orsiro

Hybrid Drug Eluting Stent

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 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
Rate 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	atm*	8	8	8	8	8	8
(NP)	ø (mm)	2.25	2.50	2.75	3.00	3.50	4.00
Rated Burst Pressure	atm*	16	16	16	16	16	16
(RBP)	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

Orsiro is part of the BIOTRONIK coronary solutions portfolio, including:

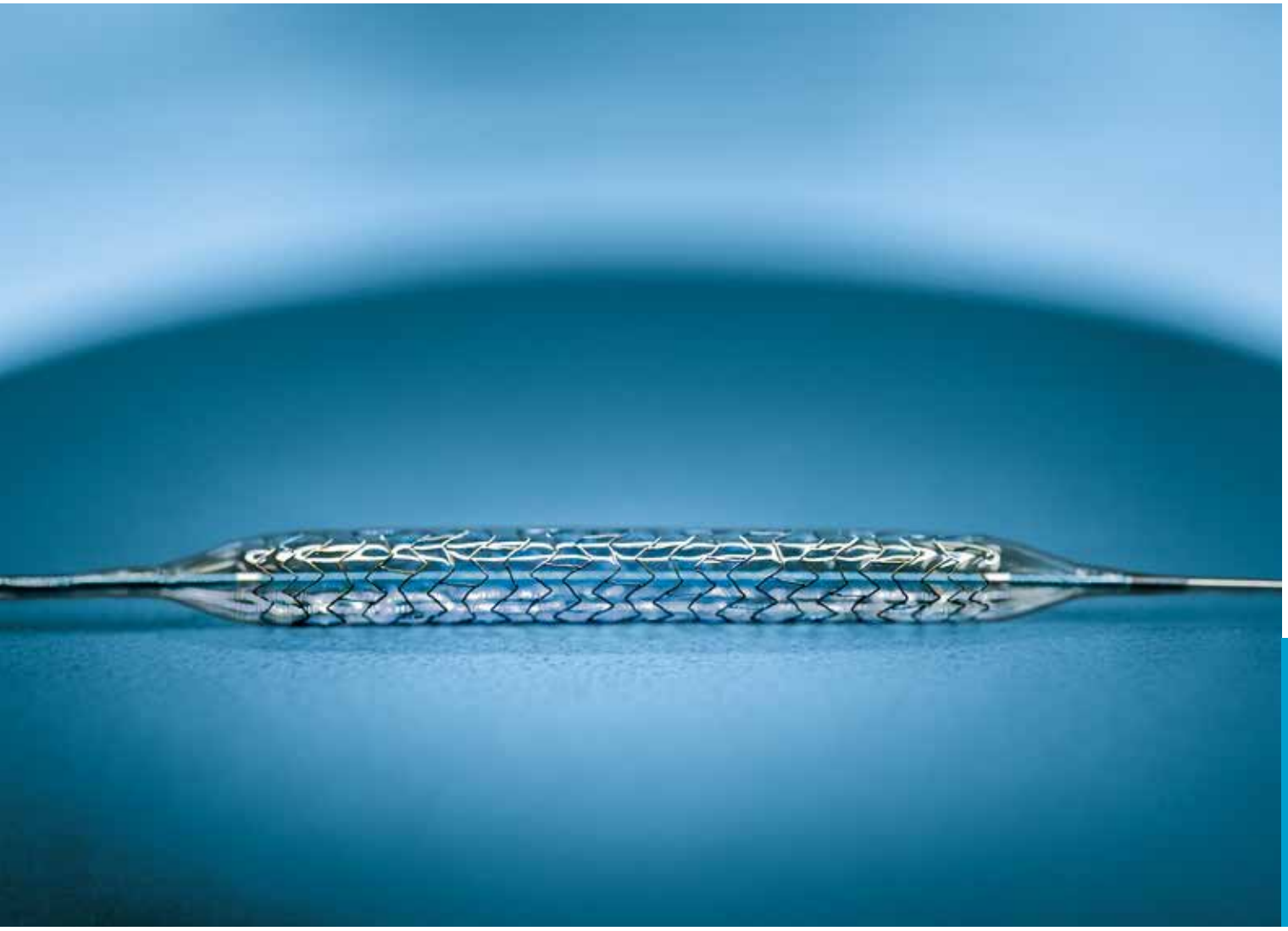
- Stents: **PRO-Kinetic Energy, PK Papyrus**
- Balloons: **Pantera Lux, Pantera LEO, Pantera, AngioSculpt**
- Guide Wires: **Galeo Pro, Cruiser, Magnum**

For ordering please contact your local sales representative

BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

1.2 Coronary Balloon-Expandable Stent Systems



BIOTRONIK
excellence for life

PRO-Kinetic Energy

Cobalt Chromium Coronary Stent System
Indicated for discrete de-novo stenotic lesions and in-stent restenotic lesions

- 60 µm thin struts[1] for better clinically proven results[2]
- Highly flexible double helix stent design for optimal deliverability and vessel conformability
- **proBIO** coating for enhanced biocompatability[3]
- Proven Orsiro / PK Papyrus stent design provides exceptional deliverability

[1] 2.0 - 3.0 mm stents
[2] ISAR STEREO I & II; (I) Kastrati et al. 2001. Circulation. 103(23): 2816-21.; (II) Pache et al. 2003. J Am Coll Cardiol. 41(8): 1283-8.
[3] Rzany A, Schaldach M. 2001. Progress in Biomedical Research 2001 May: 182-194.

BIOTRONIK
excellence for life

PRO-Kinetic Energy
Cobalt Chromium Coronary Stent System

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 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 Co-Polymer material
Coating (distal shaft)	Hydrophilic coating
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
Rate 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 × 9-22	ø 2.75 × 9-30	ø 3.0 × 9-30	ø 3.5 × 9-40	ø 4.0 × 9-40	ø 4.5 × 13-40[6]	ø 5.0 × 13-40[6]
Nominal Pressure	atm*	9	9	9	9	9	9	9	9	9
(NP)	ø (mm)	2.00	2.25	2.50	2.75	3.00	3.50	4.00	4.50	5.00
Rated Burst Pressure	atm*	16	16	16	16	16	16	16	14	14
(RBP)	ø (mm)	2.33	2.59	2.83	3.12	3.42	4.07	4.65	5.11	5.63

* 1 atm = 1.013 bar
[6] 22 mm, 35 mm stents lenghts not available

Ordering Information

Stent ø (mm)	Catheter length 140 cm Stent length (mm)									
	9	13	15	18	20	22	26	30	35	40
2.00[7]	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

[7] Size not licensed for sale in Canada

PRO-Kinetic Energy is part of the BIOTRONIK coronary solutions portfolio, including:
- Stents: **Orsiro, PK Papyrus** ■ Balloons: **Pantera Lux, Pantera LEO, Pantera, AngioSculpt**
- Guide Wires: **Galeo Pro, Cruiser, Magnum**

For ordering please contact your local sales representative

BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

PK Papyrus

Covered Coronary Stent System
Indicated for acute coronary artery perforations

- 58 % greater flexibility*
- Covered single stent design
- Proven Orsiro/PRO-Kinetic Energy stent design provides exceptional deliverability

* compared to Jostent Graftmaster (BIOTRONIK data on file)

BIOTRONIK
excellence for life

PK Papyrus

Covered Coronary Stent System

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 guide 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

	ø (mm)	Catheter 140 cm 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
	4.5	369384	369390	369392
6F	5.0	369385	369391	369393

PK Papyrus is part of the BIOTRONIK coronary solutions portfolio, including:

- Stents: **Orsiro, PRO-Kinetic Energy**
- Balloons: **Pantera Lux, Pantera LEO, Pantera, AngioSculpt**
- Guide Wires: **Galeo Pro, Cruiser, Magnum**

For ordering please contact your local sales representative

BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

1.3 Coronary Drug Releasing Balloon Catheters

BIOTRONIK
excellence for life

BIOTRONIK
excellence for life

Pantera Lux

Paclitaxel Releasing Balloon
Indicated for dilatation of in-stent restenosis

- Clinically proven solution for both in-stent restenotic and de novo lesions[1, 2]
- Based on highly deliverable Pantera balloon platform
- Proven anti-proliferative paclitaxel drug
- Highly biocompatible BTHC excipient for safe results

[1] Hehrlein C et al. Cardiovasc Revasc Med. 2012 Sep;13(5):260-4
[2] Toelg R et al. EuroIntervention 2013 Dec 19. [Electronical publication ahead of print]

BIOTRONIK
excellence for life

Pantera Lux

Paclitaxel Releasing Balloon

Technical Data

Drug releasing balloon	
Catheter type	Fast-exchange PTCA balloon catheter
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 folding	3-fold
Ballon 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	ø 2.5 ×	ø 3.0 ×	ø 3.5 ×	ø 4.0 ×
Nominal Pressure	atm*	7	7	7	7	7
(NP)	ø (mm)	2.00	2.50	3.00	3.50	4.00
Rated Burst Pressure	atm*	13	13	13	13	12
(RBP)	ø (mm)	2.26	2.82	3.48	4.11	4.59

* 1 atm = 1.013 bar

Ordering Information

Balloon ø (mm)	Catheter length 140 cm 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

Pantera Lux is part of the BIOTRONIK coronary solutions portfolio, including:

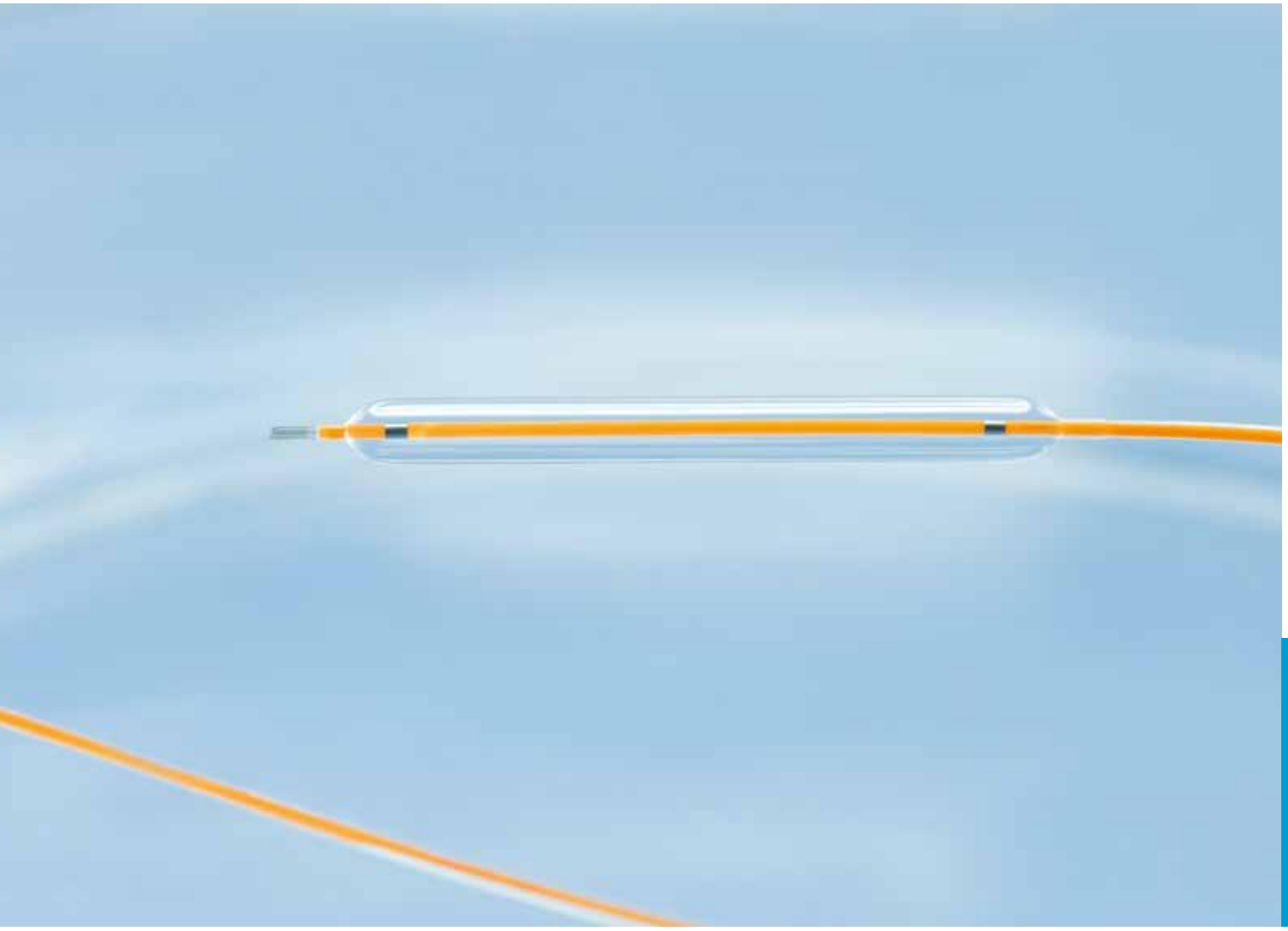
- Stents: **Orsiro, PRO-Kinetic Energy, PK Papyrus**
- Balloons: **Pantera LEO, Pantera, AngioSculpt**
- Guide Wires: **Galeo Pro, Cruiser, Magnum**

For ordering please contact your local sales representative

BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

1.4 Coronary Balloon Catheters



BIOTRONIK
excellence for life

BIOTRONIK
excellence for life

Pantera

Coronary Balloon
Indicated for dilatation of coronary arteries or bypass grafts

- Excellent pushability, trackability and crossability
- Patchwork coating
- Improved refolding and secondary profile

BIOTRONIK
excellence for life

Pantera
Coronary Balloon

Technical Data

Proximal shaft	
Design	Hypotube design
Diameter	2.0F
Shaft markers	92 cm and 102 cm from tip
Coating	Hydrophilic (end of balloon to GW exit port) Hydrophobic (balloon and tip)

Distal shaft	
Guiding catheter	5F (min. I.D. 0.056")
Guide wire diameter	0.014"
Lesion entry profile	0.017"
Usable length	140 cm
Distal shaft length	29 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	2.4F (ø 1.25, 1.5 mm); 2.5F (ø 2.0 - 3.5 mm); 2.6F (ø 4.0 mm)

Compliance Chart

		Balloon diameter x length (mm)						
		ø 1.25	ø 1.50	ø 2.00	ø 2.50	ø 3.00	ø 3.50	ø 4.00
Nominal Pressure	atm*	6	6	6	6	6	6	6
(NP)	ø (mm)	1.25	1.50	2.00	2.50	3.00	3.50	4.00
Rated Burst Pressure	atm*	14	14	14	14	14	14	14
(RBP)	ø (mm)	1.49	1.78	2.30	2.90	3.58	4.13	4.69

*1 atm = 1.013 bar

Ordering Information

Balloon ø (mm)	Catheter length 145 cm Balloon length (mm)					
	6	10	15	20	25	30
1.25	360653	360655	360664	360673	–	–
1.50	360654	360656	360665	360674	–	–
2.00	–	360657	360666	360675	360684	360693
2.50	–	360658	360667	360676	360685	360694
3.00	–	360659	360668	360677	360686	360695
3.50	–	360660	360669	360678	360687	360696
4.00	–	360661	360670	360679	360688	360697

Pantera is part of the BIOTRONIK coronary solutions portfolio, including:
- Stents: **Orsiro, PRO-Kinetic Energy, PK Papyrus**
- Balloons: **Pantera Lux, Pantera LEO, AngioSculpt**
- Guide Wires: **Galeo Pro, Cruiser, Magnum**

For ordering please contact your local sales representative

BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

Pantera LEO

Non-Compliant High Pressure Balloon Indicated for stent post-dilatation and pre-dilatation of hard lesions

- High NP and RBP: tailored to post-dilatation of stents and dilatation of hard lesions
- Non-compliant: for controlled minimal growth up to RBP
- Extra short balloon shoulders: avoiding vessel trauma outside the lesion area

BIOTRONIK
excellence for life

Pantera LEO

Non-Compliant High Pressure Balloon

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	ø 2.25	ø 2.50	ø 2.75	ø 3.00	ø 3.25	ø 3.50	ø 3.75	ø 4.00	ø 4.50	ø 5.00
Nominal Pressure	atm*	14	14	14	14	14	14	14	14	14	14	14
(NP)	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	atm*	20	20	20	20	20	20	20	20	20	18	18
(RBP)	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

Pantera LEO is part of the BIOTRONIK coronary solutions portfolio, including:

- Stents: **Orsiro, PRO-Kinetic Energy, PK Papyrus**
- Balloons: **Pantera Lux, Pantera, AngioSculpt**
- Guide Wires: **Galeo Pro, Cruiser, Magnum**

For ordering please contact your local sales representative

BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

Vascular Intervention // Coronary

AngioSculpt

Scoring Balloon Catheter/OTW

- Precise and predictable dilatation across a wide range of lesion types
- Compatible with 6F guiding catheters

BIOTRONIK
excellence for life

AngioSculpt
Scoring Balloon Catheter/OTW

Technical Data	Balloon catheter	
	Catheter type	OTW
	Recommended guide wire	0.014"
	Tip	Short, tapered and colored
	Balloon material	Nylon, semi-compliant
	Balloon coating	Uncoated for non-slip
	Balloon markers	2 markers
	Nitinol scoring elements	3 ea.
	Usable length	137 cm

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	atm*	8	8	8	8
(NP)	ø (mm)	2.01	2.49	3.01	3.51
Rated Burst Pressure	atm*	20	20	18	16
(RBP)	ø (mm)	2.37	2.95	3.50	3.86

*1 atm = 1.013 bar

Order Information		Balloon ø (mm)	Catheter length 137 cm Balloon length (mm)		
			10	15	20
		2.0	360217	360218	360220
	6F	2.5	360221	360222	360225
		3.0	360227	360228	360229
		3.5	360230	360231	360233

AngioSculpt is part of the BIOTRONIK coronary solutions portfolio, including:
- Stents: **Orsiro, PRO-Kinetic Energy, PK Papyrus** ■ Balloons: **Pantera Lux, Pantera LEO, Pantera**
- Guide Wires: **Galeo Pro, Cruiser, Magnum**

For ordering please contact your local sales representative

Manufacturer:
AngioScore, Inc.
5055 Brandin Court
Fremont, CA 94538
USA

Distributor:
BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

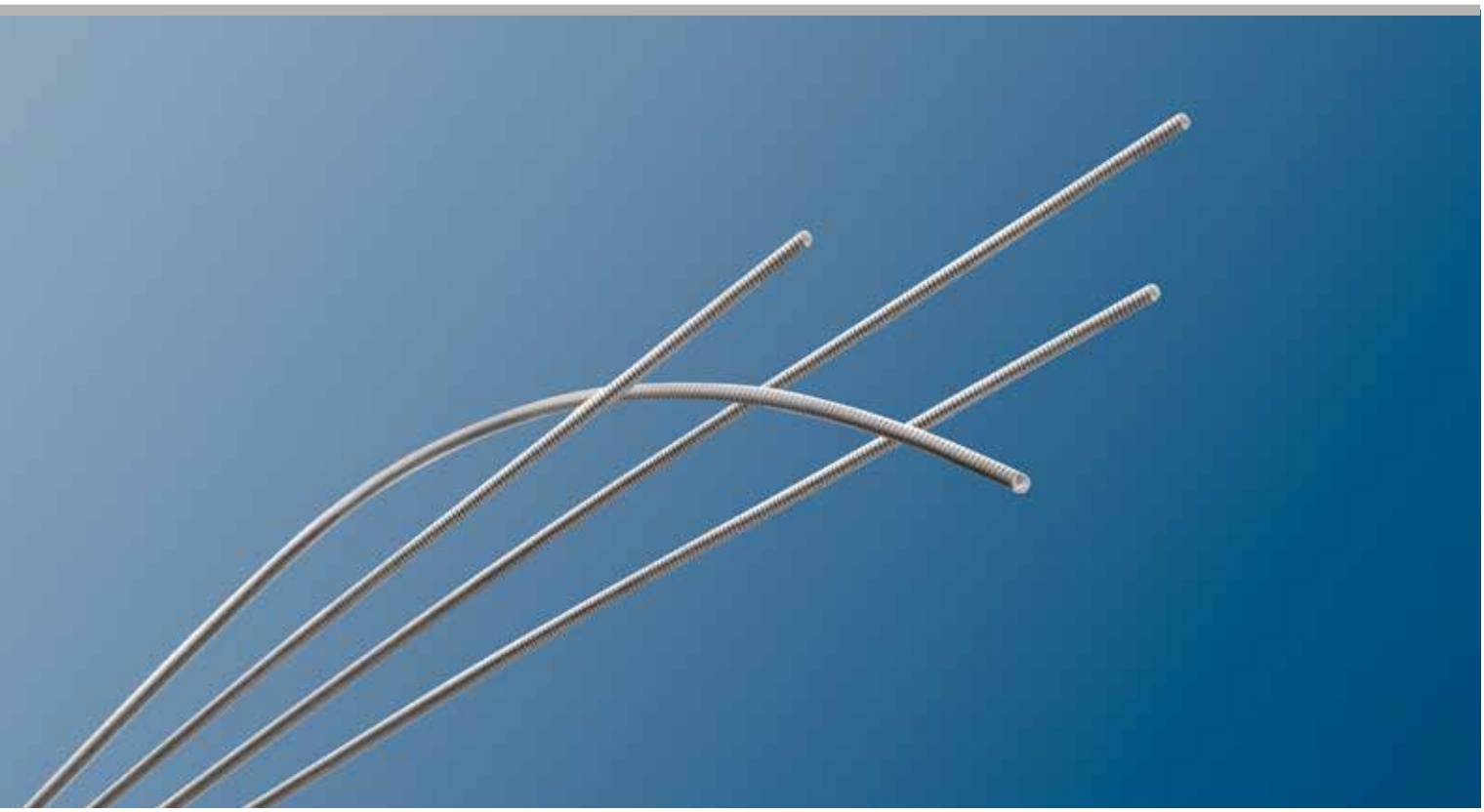
1.5 Coronary Guide Wires

BIOTRONIK
excellence for life

BIOTRONIK
excellence for life

Cruiser/Cruiser Hydro

Coronary Guide Wire
Indicated for PTCA applications



- Quicker and easier vessel access due to excellent torque response
- Multiple vessel treatment possible due to outstanding shape retention and wire durability
- Treatment flexibility provided by the multiple tip stiffness and support levels

BIOTRONIK
excellence for life

Cruiser/Cruiser Hydro

Coronary Guide Wire

Technical Data

Stent	
Diameter	0.014"
Length	190 cm
Core wire material proximal	Stainless steel
Core wire material distal	Chromim enriched nitinol
Proximal coil	Stainless steel
Distal coil	Platinum, radiopaque
Proximal (shaft) coating	PTFE
Distal coating	Cruiser, Cruiser ES: Hydrophilic (30 cm) Cruiser Hydro: 2 cm, hydrophilic/18 cm, hydrophobic Cruiser Hydro ES: 4.5 cm, hydrophilic/25.5 cm, hydrophobic
Range of tip flexibilities	High Flexible, Flexible, Medium
Range of support levels	Standard and ES (Extra Support)
Shaft markers	92 cm and 102 cm from distal end

Order Information

Catalogue number	Tip shape	Tip flexibility	Label color code	Support level	Length
351460 351463	Straight J	High Flexible	Red	Standard	190 cm
351461 351464	Straight J	Flexible	Orange	Standard	190 cm
341462 351465	Straight J	Medium	Blue	Standard	190 cm
351466 351468	Straight Straight	High Flexible	Brown	Extra support	190 cm
351467 351469	Straight J	Flexible	Yellow	Extra support	190 cm
351455	Straight	High Flexible	Red	Standard	190 cm
351456	Straight	Flexible	Orange	Standard	190 cm
351457	Straight	Medium	Blue	Standard	190 cm
351458	Straight	High Flexible	Brown	Extra support	190 cm
351459	Straight	Flexible	Purple	Extra support	190 cm

Cruiser is part of the BIOTRONIK coronary solutions portfolio, including:

- Stents: **Orsiro, PRO-Kinetic Energy, PK Papyrus**
- Balloons: **Pantera Lux, Pantera LEO, Pantera, AngioSculpt**
- Guide Wires: **Galeo Pro, Magnum**

For ordering please contact your local sales representative

BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

Galeo Pro

Coronary Guide Wire
Indicated for PTCA applications

- High tensile stainless steel core for excellent shape retention
- Enhanced torque response for unique steerability
- Hydrophilic coating to minimize friction
- Broad selection of tip stiffness and support levels

BIOTRONIK
excellence for life

Galeo Pro

Coronary Guide Wire

Technical Data

Stent	
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 ES (Extra Support)
Shaft markers	92 cm and 102 cm from distal end

Order Information

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

Galeo Pro is part of the BIOTRONIK coronary solutions portfolio, including:

- Stents: **Orsiro, PRO-Kinetic Energy, PK Papyrus**
- Balloons: **Pantera Lux, Pantera LEO, Pantera, AngioSculpt**
- Guide Wires: **Cruiser, Magnum**

For ordering please contact your local sales representative

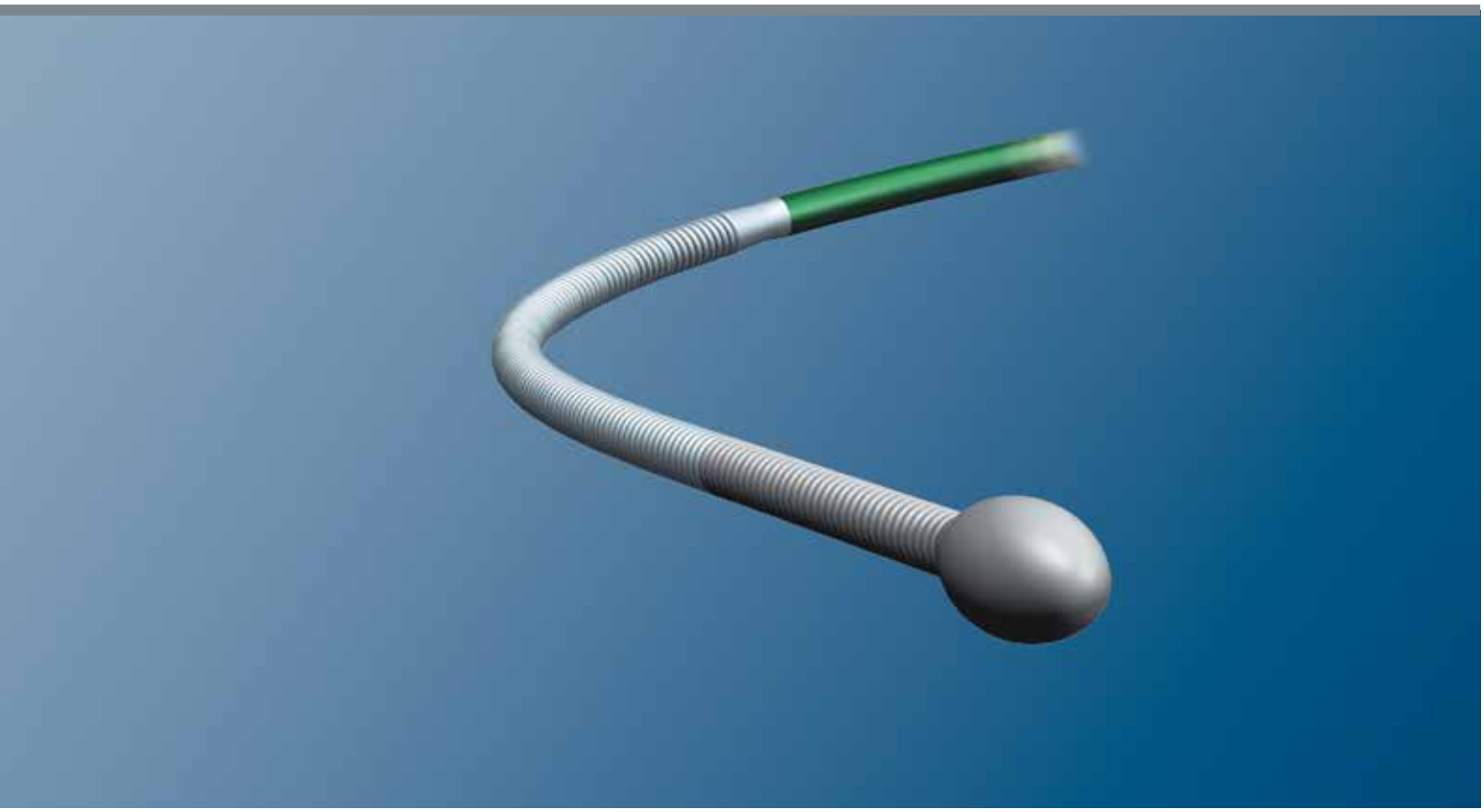
Manufacturer:
Concert Medical, LLC
77 Accord Park Dr.
Norwell, MA 02061 -1605
USA
Tel +1 (781) 871 7882
info@concertmedical.com
www.concertmedical.com

Distributor:
BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

Magnum

Coronary Guide Wire
Indicated for PTCA applications



- Optimal in situations with minimal distal visibility and emergency situations
- Atraumatic crossing due to olive shaped tip
- One piece core wire design provides optimal torqueability and pushability

BIOTRONIK
excellence for life

Magnum
Coronary Guide Wire

Technical Data

Stent	
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

Order Information

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

Magnum is part of the BIOTRONIK coronary solutions portfolio, including:

- Stents: **Orsiro, PRO-Kinetic Energy, PK Papyrus**
- Balloons: **Pantera Lux, Pantera LEO, Pantera, AngioSculpt**
- Guide Wires: **Galeo Pro, Cruiser**

For ordering please contact your local sales representative

Manufacturer:
BRIVANT LTD.
Parkmore West
Business Park
Galway, Ireland

Distributor:
BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

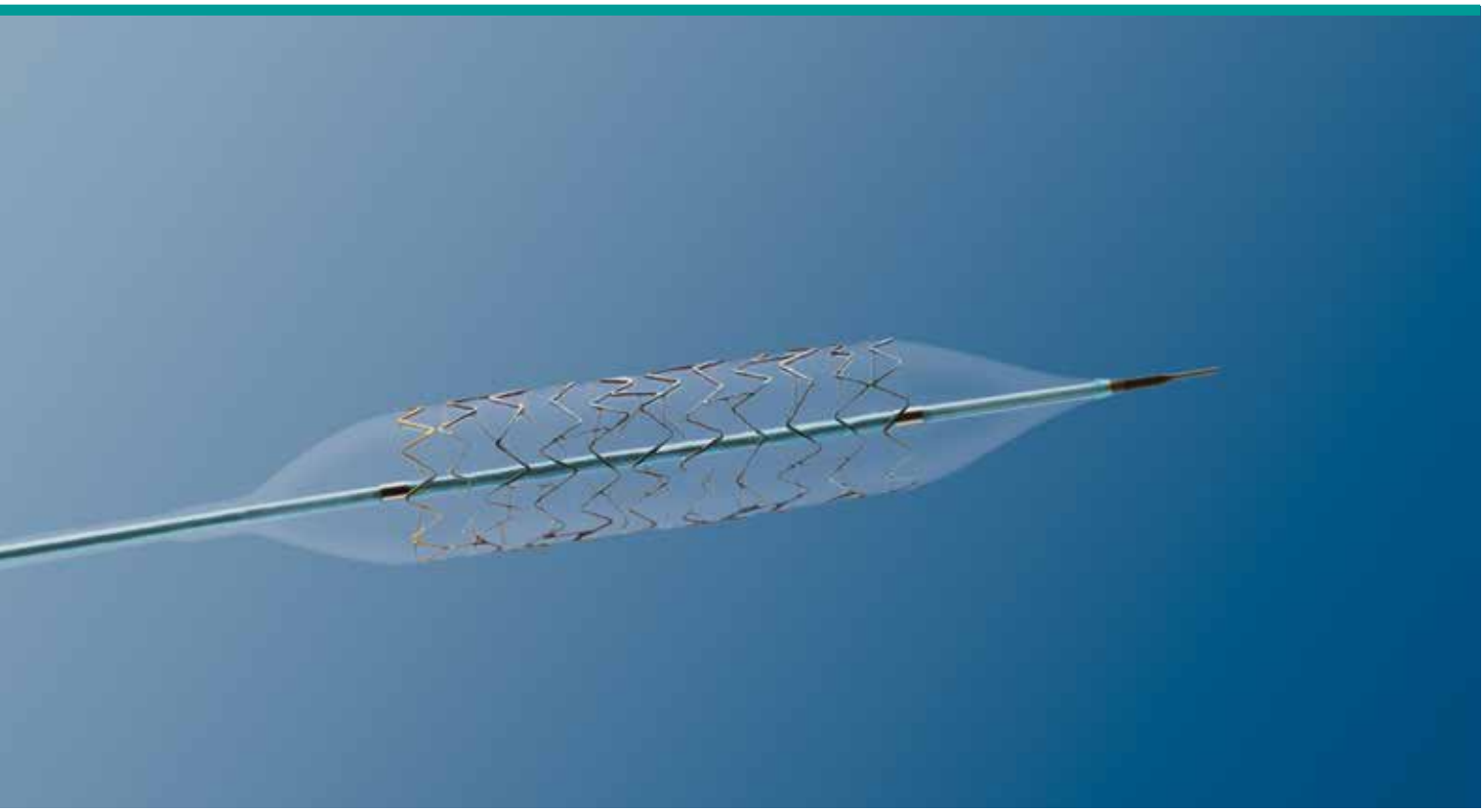
2.1 Peripheral Stent Systems

BIOTRONIK
excellence for life

BIOTRONIK
excellence for life

Dynamic Renal

Balloon-Expandable Cobalt Chromium Stent/0.014"/RX
Indicated for renal arteries



- Proximal gold marker for superior visibility and accurate stent placement
- Double helix stent design for high flexibility
- Cobalt chromium alloy combining a lower profile with improved radial force
- **proBIO** coating for improved stent surface biocompatibility[1]

[1] Rzany A, Schaldach M. 2001. Progress in Biomedical Research 2001 May: 182-194.

BIOTRONIK
excellence for life

Dynamic Renal

Balloon-Expandable Cobalt Chromium Stent/0.014"/RX

Technical Data

Stent	
Stent	Balloon-expandable
Stent material	Cobalt Chromium (L605)
Strut thickness	130 µm (ø 4.5 - 5.0 mm) 150 µm (ø 6.0 - 7.0 mm)
Stent coating	**proBIO** (Amorphous Silicon Carbide)
Sizes	ø 5.0 - 10.0 mm; L: 15 - 25 - 38 - 56 mm

Delivery system	
Catheter type	Rapid exchange (Rx)
Recommended guide wire	0.014"
Tip	Soft, short and tapered
Balloon markers	2 swaged markers
Shaft	5F, hydrophobic coating, dual-lumen
Usable length	80 and 140 cm
Guide wire lumen	Hydrophobic coating
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	atm*	10	10	10	10
(NP)	ø (mm)	4.5	5.0	6.0	7.0
Rated Burst Pressure	atm*	15	15	15	13
(RBP)	ø (mm)	4.7	5.3	6.2	7.2

Ordering Information

	Stent ø (mm)	Catheter length 80 cm Stent length (mm)			Catheter length 140 cm Stent length (mm)		
		12	15	19	12	15	19
4F	4.5	358582	368711	358586	358574	368707	358578
	5.0	358583	368712	358587	358575	368708	358579
5F	6.0	358584	368713	358588	358576	368709	358580
	7.0	358585	368714	358589	358577	368710	358581

Dynamic Renal is part of the BIOTRONIK portfolio, including:

4F ▪ Introducer Sheath: **Fortress** ▪ Guide Wires: **XT-14, Cruiser, Cruiser-18**
▪ Balloons: **Passeo-14, Passeo-18, Passeo-18 Lux** ▪ Stents: **PRO-Kinetic Energy Explorer, Pulsar-18**

6F ▪ Introducer Sheath: **Fortress** ▪ Balloons: **Passeo-35, Passeo-35 HP, AngioSculpt** ▪ Stents: **Dynamic, Astron, Pulsar-35**

For ordering please contact your local sales representative

BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

Dynamic

Balloon Expandable Stent/0.035"/OTW
Indicated for iliac arteries[1]

- Helical stent design for optimal stent flexibility
- Trusted delivery system for state of the art trackability
- Improved stent surface biocompatibility[2]

[1] Australia: not TGA approved for use within common iliac arteries

[2] Rzany A, Schaldach M. Smart Material Silicon Carbide: Reduced Activation of Cells and Proteins on a-SiC:H-coated Stainless Steel. Progress in Biomedical Research 2001; May: 182-194

6F Solutions

BIOTRONIK
excellence for life

Dynamic

Balloon Expandable Stent/0.035"/OTW

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 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)

Compliance Chart

		Balloon diameter x length (mm)					
		ø 5.0	ø 6.0	ø 7.0	ø 8.0	ø 9.0	ø 10.0
Nominal Pressure	atm*	9	9	9	9	9	9
(NP)	ø (mm)	5.0	6.0	7.0	8.0	9.0	10.0
Rated Burst Pressure	atm*	15	15	15	15	13	13
(RBP)	ø (mm)	5.4	6.5	7.6	8.6	9.4	10.5

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	-	-	-	-

Dynamic is part of the BIOTRONIK 6F Solutions portfolio, including:
■ Introducer Sheath: **Fortress** ■ Balloons: **Passeo-35, Passeo-35 HP, AngioSculpt** ■ Stents: **Astron, Pulsar-35**

For ordering please contact your local sales representative

BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

PRO-Kinetic Energy Explorer

Balloon-Expandable Cobalt Chromium Stent/0.014"/RX
Indicated for infrapopliteal arteries

- Double helix stent design for excellent flexibility
- Versatile stent material allowing for optimal radial strength characteristics with ultra-thin struts structure
- Trusted balloon technology ensuring first class trackability and pushability.
- **proBIO** coating for improved stent surface biocompatibility[1]

[1] Rzany A, Schaldach M. 2001. Progress in Biomedical Research 2001 May: 182-194.

4F Solutions

BIOTRONIK
excellence for life

PRO-Kinetic Energy Explorer

Balloon-Expandable Cobalt Chromium Stent/0.014"/RX

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 (Rx)
Recommended guide wire	0.014"
Tip	Soft, tapered, colored
Balloon markers	2 swaged markers
Shaft	Hydrophilic coating (distal shaft)
Usable length	140 cm
Nominal pressure (NP)	9 atm
Rate 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 2.5 × 9-20	ø 3.0 × 9-30	ø 3.5 × 9-30	ø 4.0 × 9-30	ø 4.5 × 15-40	ø 5.0 × 15-40
Nominal Pressure	atm*	9	9	9	9	9	9	9
(NP)	ø (mm)	2.00	2.50	3.00	3.50	4.00	4.50	5.00
Rated Burst Pressure	atm*	16	16	16	16	16	14	14
(RBP)	ø (mm)	2.33	2.83	3.42	4.07	4.65	5.11	5.63

* 1 atm = 1.013 bar

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

PRO-Kinetic Energy Exploer is part of the BIOTRONIK 4F Solutions portfolio, including:

- Introducer Sheath: **Fortress** ■ Guide Wires: **XT-14, Cruiser, Cruiser-18**
- Balloons: **Passeo-14, Passeo-18** ■ Stents: **Pulsar-18**

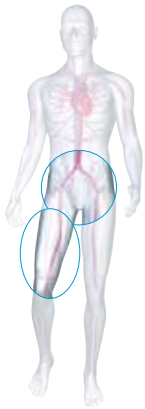
For ordering please contact your local sales representative

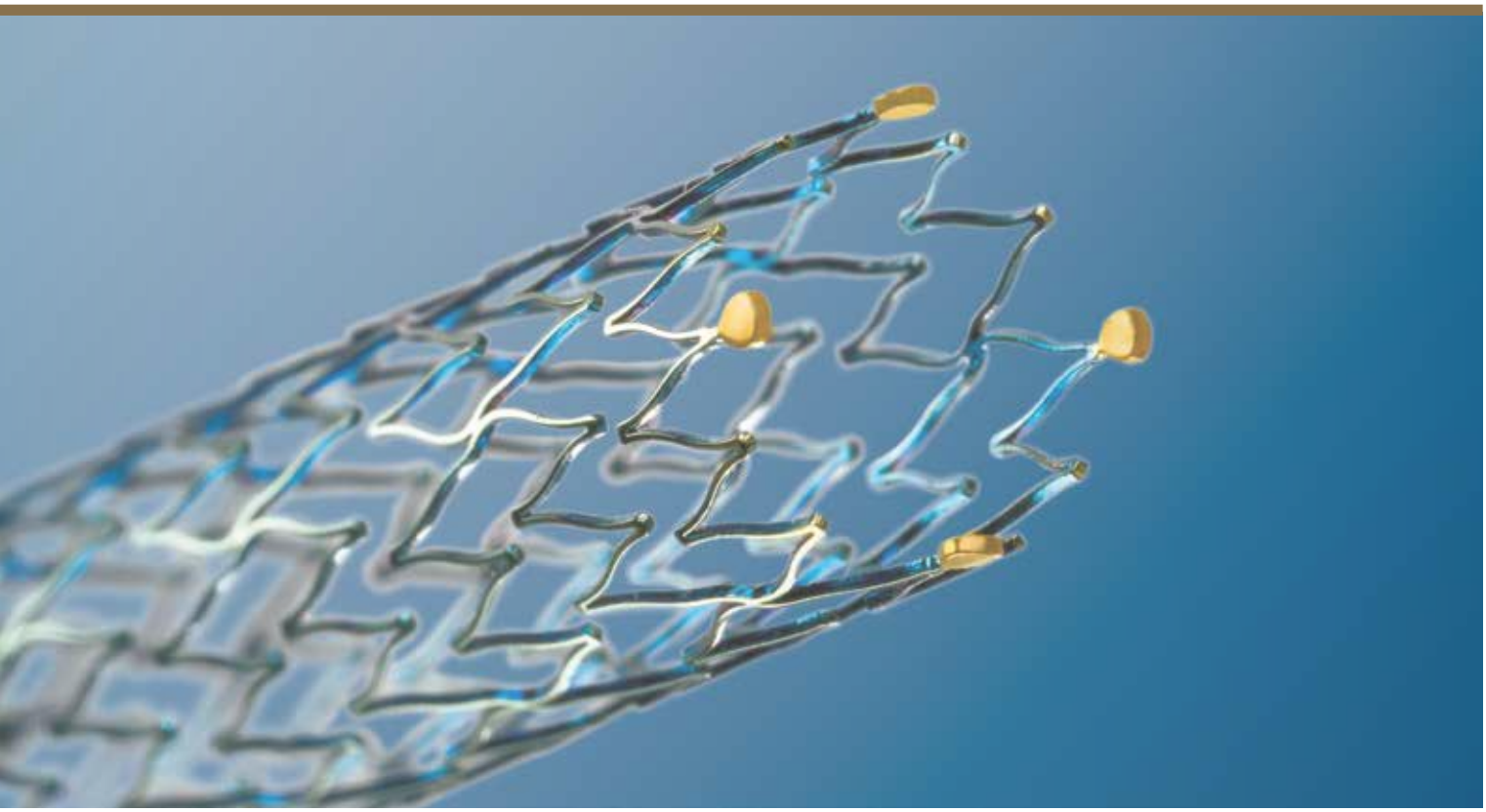
BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

Astron

Self-Expanding Stent/0.035"/OTW
Indicated for atherosclerotic disease of iliac and femoral arteries





- Pull-back delivery system for simple stent deployment
- 5.2F proximal shaft for contrast injection with device in sheath
- Segmented stent design and thick struts for sufficient chronic outward force
- S-articulating connecting bars and peak-to-valley design for multi-directional flexibility

6F Solutions

BIOTRONIK
excellence for life

Astron

Self-Expanding Nitinol Stent/0.035"/OTW

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 Silicone 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
6F	**8.0**	343777	343778	343779	343780
	9.0	343781	343782	343783	343784
	10.0	-	349214	349215	349216

	Stent ø (mm)	Catether length 120 cm Stent length (mm)			
		30	**40**	**60**	**80**
	7.0	343785	343786	343787	343788
6F	**8.0**	343789	343790	343791	343792
	9.0	343793	343794	343795	343796

Astron is part of the BIOTRONIK 6F Solutions portfolio, including:
■ Introducer Sheath: **Fortress** ■ Balloons: **Passeo-35, Passeo-35 HP, AngioSculpt** ■ Stents: **Dynamic, Pulsar-35**

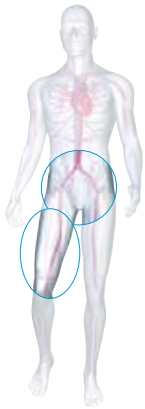
For ordering please contact your local sales representative

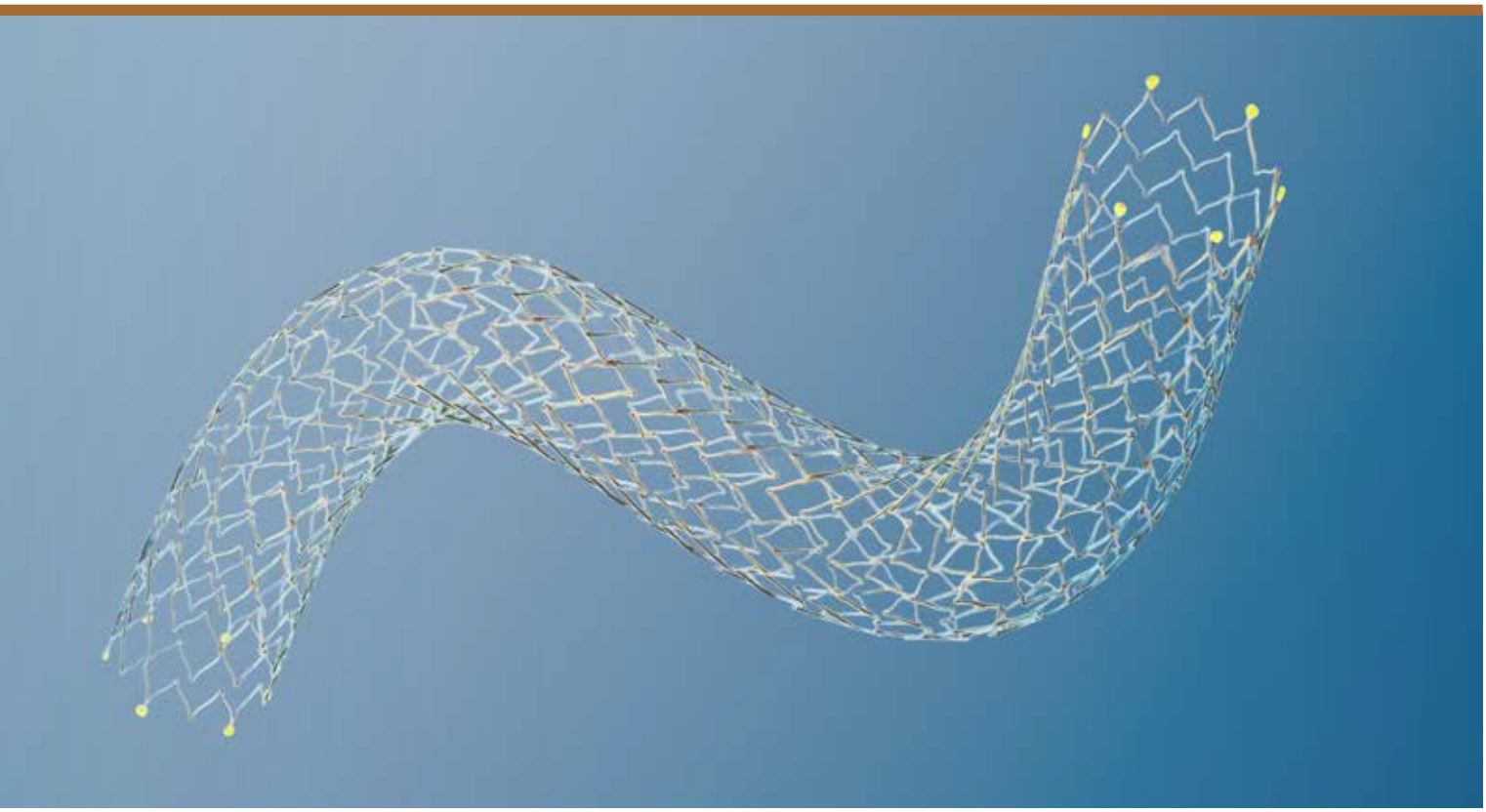
BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

Astron Pulsar

Self-Expanding Stent/0.018"/OTW
Indicated for atherosclerotic disease of femoral and infrapopliteal arteries





- Flexibility by design
- Controlled release
- **proBIO** coating for improved stent surface biocompatibility

BIOTRONIK
excellence for life

Astron Pulsar

Self-Expanding Nitinol Stent/0.018"/OTW

Technical Data	Stent	
	Catheter type	OTW
	Recommended guide wire	0.018"
	Stent material	Nitinol
	Strut thickness	155 µm
	Stent coating	**proBIO** (Amorphous Silicone Carbide)
	Stent markers	6 radiopaque markers each end
	Sizes	ø 4 - 7 mm; L: 20 - 80 mm
	Proximal shaft	3.6F, hydrophobic coating
	Usable length*	70 - 75 cm and 120 - 135 cm

Ordering Information

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

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

* Usable catheter lengths:
ø 4.0 mm, L 20 - 40 mm: 75 cm for short and 135 cm for long
ø 4.0 mm, L 60 - 80 mm: 72 cm for short and 130 cm for long
ø 5.0 - 7.0 mm: 70 cm for short and 120 cm for long

Astron Pulsar is part of the BIOTRONIK portfolio, including:
- Introducer Sheath: **Fortress** ■ Guide Wires: **XT-14, Cruiser, Cruiser-18**
- Balloons: **Passeo-14, Passeo-18** ■ Stents: **Pulsar-18**

For ordering please contact your local sales representative

BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

Pulsar-18

Self-Expanding Stent/0.018"/OTW
Indicated for femoral and infrapopliteal arteries

- One-handed stent release for accurate stent deployment
- Low profile 4F delivery system with stents of up to 7 x 200 mm
- Segmented stent design with thin struts for lower restenosis rates
- S-articulating connecting bars and peak-to-valley design for multi-directional flexibility

4F Solutions

BIOTRONIK
excellence for life

Pulsar-18

Self-Expanding stent/0.018"/OTW

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[4] - 200 mm
	Proximal shaft	3.6F, hydrophobic coating
	Usable length	90 and 135 cm

Ordering Information

Stent ø (mm)	Catheter length 90 cm Stent length (mm)									
	20[4]	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[4]	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

[4] 8 weeks pre-order only

Pulsar-18 is part of the BIOTRONIK 4F Solutions portfolio, including:
- Introducer Sheath: **Fortress** ■ Guide Wires: **XT-14, Cruiser, Cruiser-18** ■ Balloons: **Passeo-14, Passeo-18**
- Stents: **PRO-Kinetic Energy Explorer**

For ordering please contact your local sales representative

BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

Pulsar-35

Self-Expanding stent/0.035"/OTW
Indicated for femoral and proximal popliteal arteries

- One-handed stent release for accurate stent deployment
- Tri-axial shaft for a stable delivery system during stent deployment
- Segmented stent design with thin struts for lower restenosis rates
- S-articulating connecting bars and peak-to-valley design for multi-directional flexibility

6F Solutions

BIOTRONIK
excellence for life

Pulsar-35

Self-Expanding stent/0.035"/OTW

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 - 200 mm
	Proximal shaft	6F, hydrophobic coating
	Usable length	90 and 135 cm

Ordering Information

	Stent ø (mm)	Catether length 90 cm Stent length (mm)								
		30	40	60	80	100	120	150	170	200
	5.0	379878	379879	379880	379881	379917	379918	379919	379920	379921
6F	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)	Catether length 135 cm Stent length (mm)								
		30	40	60	80	100	120	150	170	200
	5.0	379898	379899	379900	379901	379937	379938	379939	379940	379941
6F	6.0	379903	379904	379905	379906	379942	379943	379944	379945	379946
	7.0	379908	379909	379910	379911	379947	379948	379949	379950	379951

Pulsar-35 is part of the BIOTRONIK 6F Solutions portfolio, including:
■ Introducer Sheath: **Fortress** ■ Balloons: **Passeo-35, Passeo-35 HP, AngioSculpt** ■ Stents: **Dynamic, Astron**

For ordering please contact your local sales representative

BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

2.2 Peripheral Drug Releasing Balloon Catheters

BIOTRONIK
excellence for life

BIOTRONIK
excellence for life

Passeo-18 Lux

Drug Releasing Balloon/0.018"/OTW
Indicated for lower limb arteries

- Clinically proven to reduce restenosis and TLR[1]
- Low profile, highly deliverable Passeo-18 platform
- Lux coating technology ensures maximized efficacy
- Innovative insertion aid for unrivaled ease of handling

[1] BIOLUX P-I study

BIOTRONIK
excellence for life

Passeo-18 Lux

Drug Releasing Balloon

Technical Data

Drug releasing 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 and 130 cm
Introducer size	4F (ø 3.0 - 4.0 mm); 5F (ø 5.0 - 7.0 mm)
Nominal Pressure (NP)	6 atm
Rated Burst Pressure (RBP)	15 atm (ø 3.0 - 5.0 mm); 12 atm (ø 6.0 - 7.0 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 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	atm*	6	6	6	6	6
(NP)	ø (mm)	3.0	4.0	5.0	6.0	7.0
Rated Burst Pressure	atm*	15	15	15	12	12
(RBP)	ø (mm)	3.3	4.3	5.2	6.3	7.2

* 1 atm = 1.013 bar

Ordering Information

	Balloon ø (mm)	Catheter length 90 cm Balloon length (mm)			Catheter length 130 cm Balloon length (mm)		
		40	80	120	40	80	120
4F	3.0	370843	370848	370853	370858	370863	370868
4F	4.0	370844	370849	370854	370859	370864	370869
	5.0	370845	370850	370855	370860	370865	370870
5F	6.0	370846	370851	370856	370861	370866	370871
	7.0	370847	370852	370857	370862	370867	370872

Passeo-18 Lux is part of the BIOTRONIK portfolio, complementing:
■ Cruiser-18 ■ Passeo-18 ■ Pulsar-18

For ordering please contact your local sales representative

BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

2.2 Peripheral Balloon Catheters

BIOTRONIK
excellence for life

BIOTRONIK
excellence for life

Passeo-14

PTA Balloon/0.014"/OTW
Indicated for lower limb arteries

- Up to 73 % faster deflation times[1]
- The only forefront solution offering dedicated pedal sizes
- Enhanced crossability
- High pushability and flexibility

[1] vs. Amphirion Deep

4F Solutions

BIOTRONIK
excellence for life

Passeo-14

PTA Balloon/0.014"/OTW

Technical Data	Balloon catheter	
	Catheter type	OTW
	Recommended guide wire	0.014"
	Tip	Optimized entry profile and colored
	Balloon material	SCP (Semi Cristalline 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	atm*	7	7	7	7	7	7
(NP)	ø (mm)	1.5	2.0	2.5	3.0	3.5	4.0
Rated Burst Pressure	atm*	14	14	14	14	14	14
(RBP)	ø (mm)	1.57	2.08	2.61	3.18	3.63	4.16

* 1 atm = 1.013 bar

Ordering Information

Antegrade approach (4F)

Catheter Length (cm)	Balloon ø (mm)	Balloon Length (mm) 20	40	70	100	140	180	220
120	1.5	380271	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	380287	380293	380299	-	-
90	4.0	-	380282	380288	380294	380300	-	-

Crossover approach (4F)

Catheter Length (cm)	Balloon ø (mm)	Balloon Length (mm) 20	40	70	100	140	180	220
150	1.5	380313	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	380329	380335	380341	-	-
150	4.0	-	380324	380330	380336	380342	-	-

Passeo-14 is part of the BIOTRONIK 4F Solutions portfolio, including:

- Introducer Sheath: **Fortress**
- Guide Wires: **XT-14, Cruiser, Cruiser-18**
- Balloons: **Passeo-18**
- Stents: **PRO-Kinetic Energy Explorer, Pulsar-18**

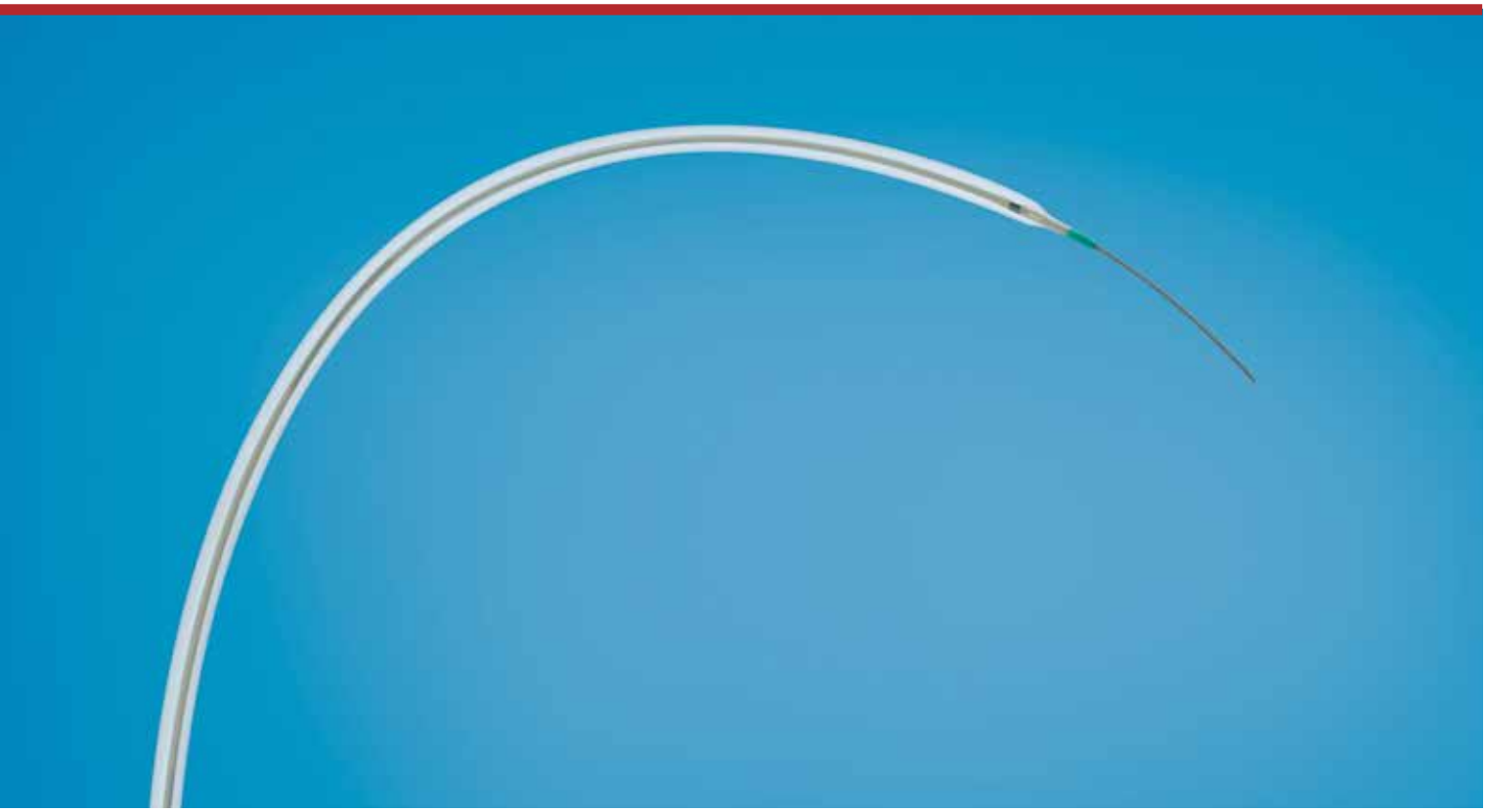
For ordering please contact your local sales representative

BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

Passeo-18

PTA Balloon/0.018"/OTW
Indicated for lower limb arteries
Treatment of arterio-venous dialysis fistulae



- Highly pushable coaxial shaft design for most distal lesion access
- Controlled compliant balloon for predictable expansion
- Low profile, wide range: ø 2 - 7 mm and 20 - 200 mm balloon length
- Patchwork coating for enhanced crossability

4F Solutions

BIOTRONIK
excellence for life

Passeo-18 – PTA Balloon/0.018"/OTW

Technical Data

Balloon catheter	
Catheter type	OTW
Recommended guide wire	0.018"
Tip	Short and tapered, colored
Balloon material	SCP (Semi Cristalline 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 × 200	ø 2.5 × 20-170	ø 2.5 × 200	ø 3.0 × 20-170	ø 3.0 × 200	ø 3.5 × 20-170	ø 3.5 × 200	ø 4.0 × 20-150	ø 4.0 × 170-200	ø 5.0 × 20-120	ø 5.0 × 150	ø 5.0 × 170-200	ø 6.0 × 20-200	ø 7.0 × 20-200
Nominal Pressure	atm*	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
(NP)	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	atm*	15	14	15	14	15	14	15	14	15	13	15	12	13	12	12
(RBP)	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 (4F, 5F)

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	376275	376283

Retrograde approach (4F, 5F)

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	376295	376303

Passeo-18 is part of the BIOTRONIK 4F Solutions portfolio, including:
- Introducer Sheath: **Fortress** ■ Guide Wires: **XT-14, Cruiser, Cruiser-18** ■ Balloons: **Passeo-14**
- Stents: **PRO-Kinetic Energy Explorer, Pulsar-18**

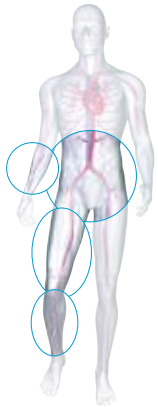
For ordering please contact your local sales representative

BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

Passeo-35

PTA Balloon/0.035"/OTW
Indicated for lower limb, renal[1] and iliac[1] arteries
Treatment of arterio-venous dialysis fistulae



- Low profile, wide range: ø 3 - 10 mm and up to 200 mm balloon length
- Puncture resistant balloon material for most calcified lesions
- 5F shaft for uncompromised flush capability and angiographic quality
- Patchwork coating for enhanced crossability

[1] Australia: not TGA approved for use within the renal and common iliac arteries.

6F Solutions

BIOTRONIK
excellence for life

Passeo-35 – PTA Balloon/0.035"/OTW

Technical Data

Balloon catheter	
Catheter type	OTW
Recommended guide wire	0.035"
Tip	Soft, short, tapered, colored
Balloon material	SCP (Semi Cristalline 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[3]	ø 10.0 x 20-80
Nominal Pressure	atm[2]	7	7	7	7	7	7	7	7	7	7	7	7	7	7
(NP)	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	atm[2]	20	20	20	18	16	16	16	16	14	14	14	12	12	11
(RBP)	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

[3] Usable length: 80 cm; [2] 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	387162
	4.0	359546	359548	-	-	-	383232	383236	383240	383244	383248	383252	383256
5F	5.0	357282	357288	357294	357298	357302	-	-	-	383245	383249	383253	383257
	6.0	357283	357289	357295	357299	357303	-	-	-	383246	383250	383254	383258
	7.0	357284	357290	357296	357300	357304	-	-	-	383247	383251	383255	383259
	8.0	357285	357291	357297	357301	357305	-	-	-	-	-	-	-
6F	9.0	357286	357292	-	-	-	383233	383237	-	-	-	-	-
	10.0	357287	357293	-	-	-	383234	383238	-	-	-	-	-

	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	-	-	-	-	-

Passeo-35 is part of the BIOTRONIK 6F Solutions portfolio, including:
■ Introducer Sheath: **Fortress** ■ Balloons: **Passeo-35 HP, AngioSculpt** ■ Stents: **Dynamic, Astron, Pulsar-35**

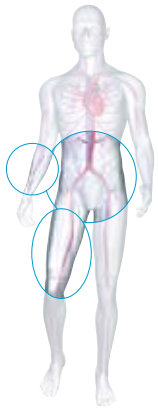
For ordering please contact your local sales representative

BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

Passeo-35 HP

High Pressure PTA Balloon/0.035"/OTW
Indicated for arterio-venous dialysis fistulae
Treatment of femoral, iliac and renal arteries



- Up to 27 atm to dilate resistant lesions in complex anatomy
- 96 % success rate opening arterio-venous dialysis fistulae[1]
- Controlled compliance for excellent stability during inflation
- Flexible and conformable minimizing vessel straightening

[1] BIOTRONIK data on file (PME report, 2013)

6F Solutions

BIOTRONIK
excellence for life

Passeo-35 HP

High Pressure PTA Balloon/0.035"/OTW

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 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	atm*	14	14	14	14	14	14	12	12	12
(NP)	ø (mm)	3.11	4.01	5.01	6.05	6.93	7.98	8.96	10.02	11.86
Rated Burst Pressure	atm*	27	27	27	25	23	22	20	20	18
(RBP)	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 40 cm Balloon length (mm)					Catheter length 75 cm Balloon length (mm)				
		20	40	60	80	100	20	40	60	80	100
	3.0	-	399056	-	-	-	-	399077	-	-	-
	4.0	399057	399058	-	-	-	399078	399079	-	-	-
6F	5.0	399059	399060	399061	-	-	399080	399081	399082	-	-
	6.0	399062	399063	399064	-	399065	399083	399084	399085	-	399086
	7.0	399066	399067	399068	-	399069	399087	399088	399089	-	399090
	8.0	399070	399071	399072	399073	-	399091	399092	399093	399094	-
	9.0	-	399074	-	-	-	-	399095	-	-	-
7F	10.0	-	399075	-	-	-	-	399096	-	-	-
8F	12.0	-	399076	-	-	-	-	399097	-	-	-

Passeo-35 HP is part of the BIOTRONIK 6F Solutions portfolio, including:
■ Introducer Sheath: **Fortress** ■ Balloons: **Passeo-35, AngioSculpt** ■ Stents: **Dynamic, Astron, Pulsar-35**

For ordering please contact your local sales representative

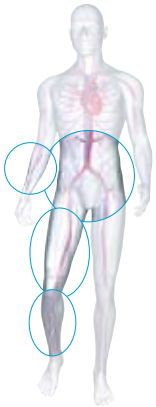
Manufacturer:
Creagh Medical
IDA Business Park
Ballinasloe
Co. Galway
Ireland

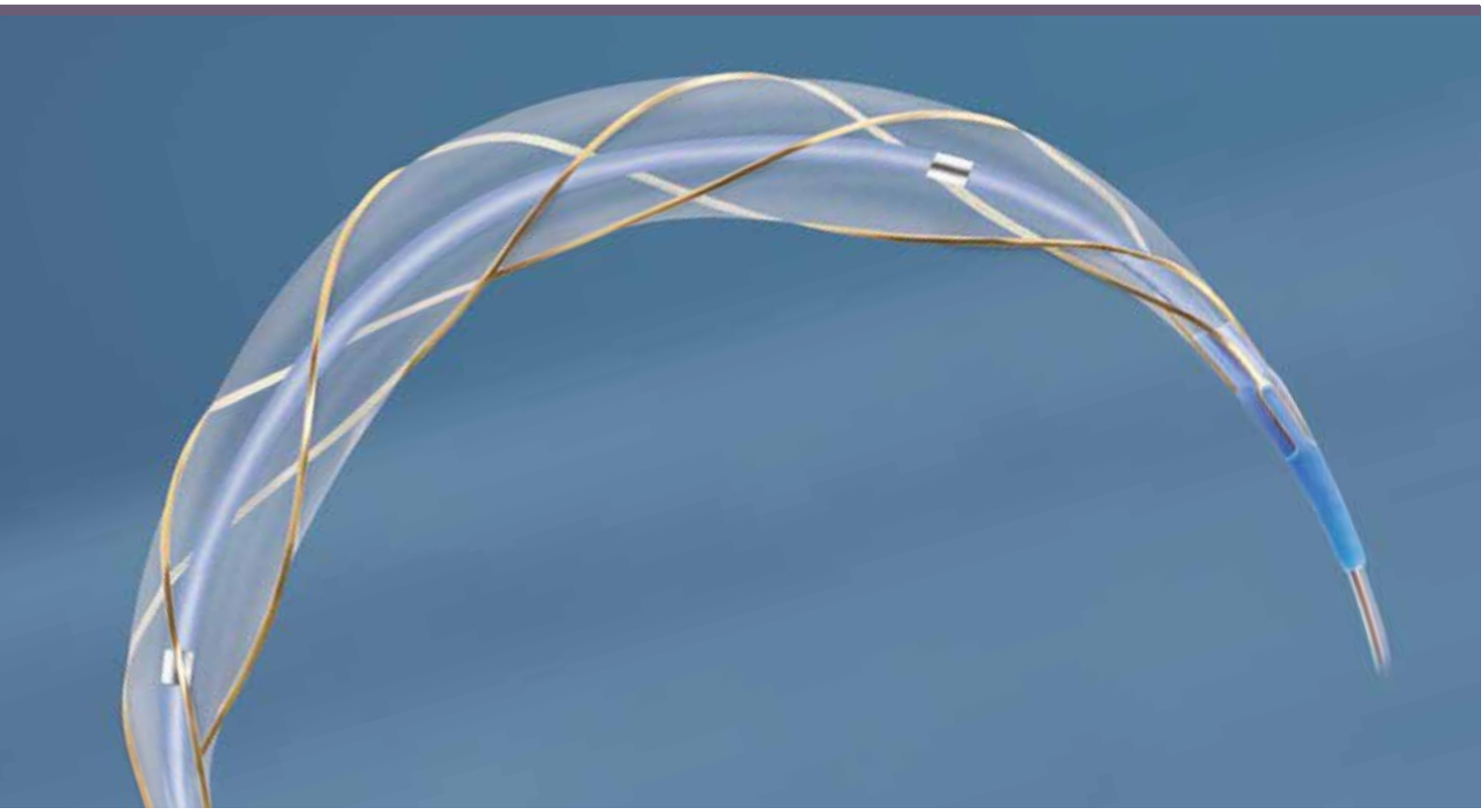
Distributor:
BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

AngioSculpt

Scoring Balloon Catheter/OTW
Indicated for lower limb, renal and iliac arteries
Treatment of arterio-venous dialysis fistulae





- Proven 360° of precise and effective dilatation of complex lesions
- Multiple innovative helical nitinol scoring elements
- Semi-compliant balloon
- Delivering minimal dissections and no significant device slippage

6F Solutions

BIOTRONIK
excellence for life

AngioSculpt PTA

Scoring Balloon Catheter/OTW

Technical Data	Balloon catheter	
	Catheter type	OTW
	Recommended guide wire	0.014" (ø 2.0 - 3.5 mm); 0.018" (ø 4.0 - 6.0 mm)
	Tip	Short, tapered and colored
	Balloon material	Nylon, semi-compliant
	Balloon coating	Uncoated for non-slip
	Balloon markers	2 markers
	Nitinol scoring elements	3 ea. (ø 2.0 - 3.5 mm); 4 ea. (ø 4.0 - 6.0 mm); 5 ea. (100 mm)
	Usable length	155 cm, 137 cm, 90 cm and 50 cm (selected sizes)

Compliance Chart		Balloon diameter x length (mm)													
		ø 2.0 x 10-20	ø 2.0 x 40	ø 2.5 x 20	ø 2.5 x 40	ø 3.0 x 20	ø 3.0 x 40	ø 3.5 x 20	ø 3.5 x 40	ø 4.0 x 20	ø 4.0 x 40	ø 5.0 x 20	ø 5.0 x 40	ø 6.0 x 20	ø 6.0 x 40
Nominal Pressure	atm*	8	8	8	8	8	8	8	8	8	8	8	8	8	8
(NP)	ø (mm)	2.01	1.98	2.49	2.46	3.01	2.91	3.51	3.46	3.96	3.94	4.92	4.98	5.93	5.96
Rated Burst Pressure	atm*	20	20	20	20	18	18	16	16	16	14	14	14	14	14
(RBP)	ø (mm)	2.37	2.20	2.95	2.72	3.50	3.20	3.86	3.73	4.23	4.16	5.23	5.29	6.27	6.26

*1 atm = 1.013 bar

Order Information	Balloon ø (mm)	Catheter length 50 cm Balloon length (mm)				Catheter length 90 cm Balloon length (mm)		
		10	20	40	100	20	40	100
6F 0.018" GW[5]	4.0	-	-	-	-	-	371374	390045[6]
	5.0	-	-	-	-	-	371377	390047[6]
	6.0	-	371380	372400	-	371379	372398	390049[6]

	Balloon ø (mm)	Catheter length 137 cm Balloon length (mm)				Catheter length 155 cm Balloon length (mm)		
		10	20	40	100	20	40	100
5F 0.014" GW[5]	2.0	371361[7]	371368[7]	-	-	-	-	-
	2.5	-	371369[7]	-	-	-	382404[7]	-
	3.0	-	371370[7]	-	-	-	382406[7]	-
	3.5	-	371371[7]	-	-	-	382408[7]	-
6F 0.018" GW[5]	4.0	-	371372	371373	390044[6]			
	5.0	-	371375	371376	390046[6]			
	6.0	-	371378	372397	390048[6]			

[5] Guide wire
[6] 0.014" guide wire
[7] 8 weeks pre-order only

AngioSculpt is part of the BIOTRONIK 6F Solutions portfolio, including:
■ Introducer Sheath: **Fortress** ■ Balloons: **Passeo-35, Passeo-35 HP** ■ Stents: **Dynamic, Astron, Pulsar-35**

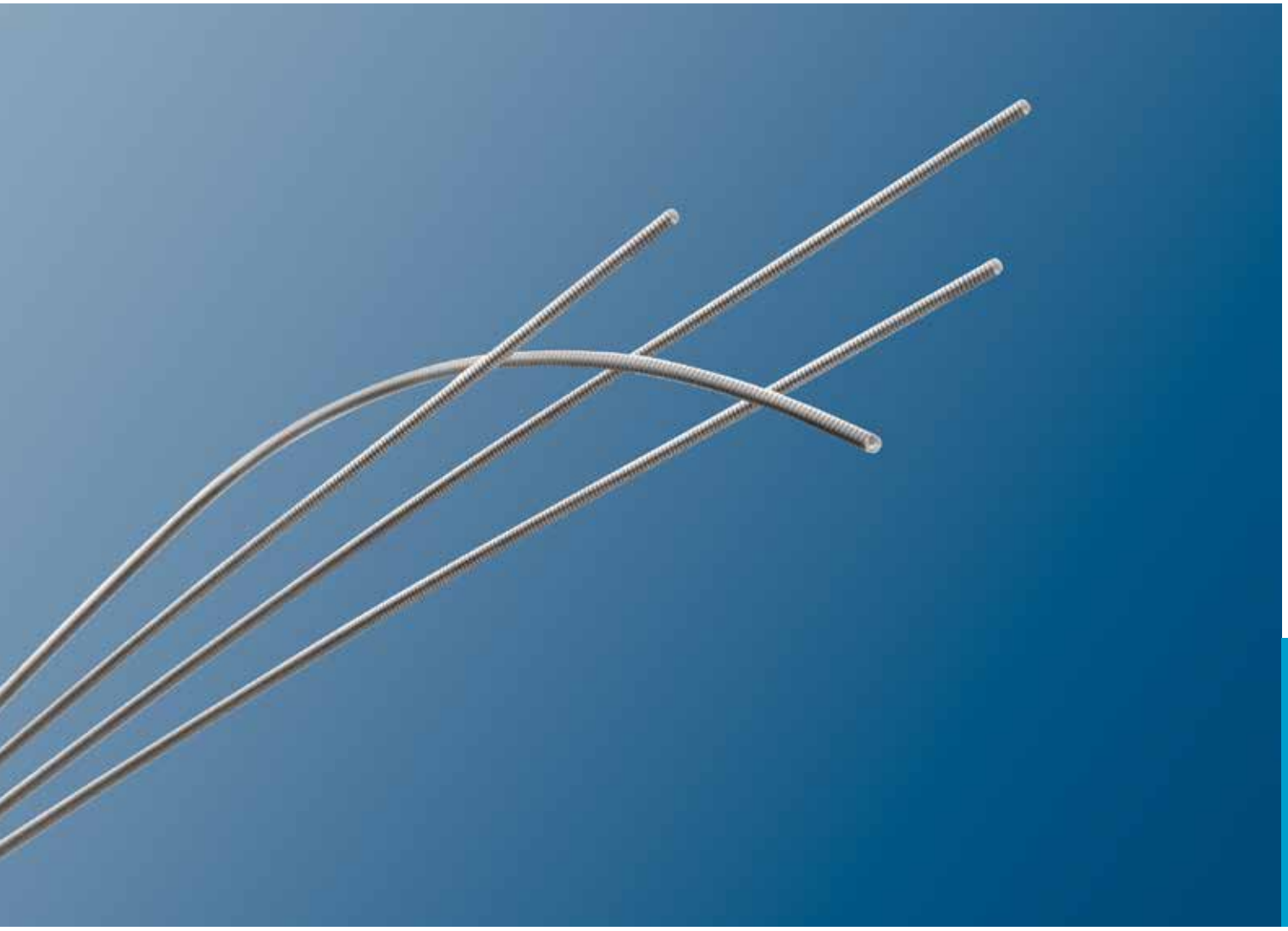
For ordering please contact your local sales representative

Manufacturer:
AngioScore, Inc.
5055 Brandin Court
Fremont, CA 94538
USA

Distributor:
BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

2.4 Peripheral Guide Wires



BIOTRONIK
excellence for life

BIOTRONIK
excellence for life

Cruiser/Cruiser Hydro

Peripheral Guide Wire

Indicated for PTA applications

- Quicker and easier vessel access due to excellent torque response
- Multiple vessel treatment possible due to outstanding shape retention and wire durability
- Treatment flexibility provided by the multiple tip stiffness and support levels

4F Solutions

BIOTRONIK
excellence for life

Cruiser/Cruiser Hydro

Peripheral Guide Wire

Technical Data

Stent	
Diameter	0.014"
Length	190 cm
Core wire material proximal	Stainless steel
Core wire material distal	Chromim enriched nitinol
Proximal coil	Stainless steel
Distal coil	Platinum, radiopaque
Proximal (shaft) coating	PTFE
Distal coating	Cruiser, Cruiser ES: Hydrophilic (30 cm) Cruiser Hydro: 2 cm, hydrophilic/18 cm, hydrophobic Cruiser Hydro ES: 4.5 cm, hydrophilic/25.5 cm, hydrophobic
Range of tip flexibilities	High Flexible, Flexible, Medium
Range of support levels	Standard and ES (Extra Support)
Shaft markers	92 cm and 102 cm from distal end

Order Information

Catalogue number	Tip shape	Tip flexibility	Label color code	Support level	Length
351460 351463	Straight J	High Flexible	Red	Standard	190 cm
351461 351464	Straight J	Flexible	Orange	Standard	190 cm
341462 351465	Straight J	Medium	Blue	Standard	190 cm
351466 351468	Straight Straight	High Flexible	Brown	Extra support	190 cm
351467 351469	Straight J	Flexible	Yellow	Extra support	190 cm
351455	Straight	High Flexible	Red	Standard	190 cm
351456	Straight	Flexible	Orange	Standard	190 cm
351457	Straight	Medium	Blue	Standard	190 cm
351458	Straight	High Flexible	Brown	Extra support	190 cm
351459	Straight	Flexible	Purple	Extra support	190 cm

Cruiser is part of the BIOTRONIK 4F Solutions portfolio, including:
- Introducer Sheath: **Fortress** ■ Guide Wires: **XT-14, Cruiser-18** ■ Balloons: **Passeo-14, Passeo-18**
- Stents: **PRO-Kinetic Energy Explorer, Pulsar-18**

For ordering please contact your local sales representative

BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

XT-14

Peripheral Guide Wire

Indicated for PTA applications

- Hydrophilic coated polymer sleeve
- Outstanding trackability
- Optimal support

4F Solutions

BIOTRONIK
excellence for life

XT-14

Peripheral Guide Wire

Technical Data

Stent	
Diameter	0.014"
Length	195 and 300 cm
Core wire material proximal	Stainless steel
Core wire material distal	Stainless steel
Proximal coil	Stainless steel
Distal coil	Platinum-tungsten, radiopaque
Proximal (shaft) coating	PTFE
Distal coating	Hydrophilic, 90 cm
Range of tip flexibilities	Flexible
Range of support levels	Standard Support

Order Information

Catalogue number	Tip flexibility	Support level	Length
378013	Flexible	Standard	195 cm
378014	Flexible	Standard	300 cm

XT-14 is part of the BIOTRONIK 4F Solutions portfolio, including:
- Introducer Sheath: **Fortress** ■ Guide Wires: **Cruiser, Cruiser-18** ■ Balloons: **Passeo-14, Passeo-18**
- Stents: **PRO-Kinetic Energy Explorer, Pulsar-18**

For ordering please contact your local sales representative

Manufacturer:
BRIVANT LTD.
Parkmore West
Business Park,
Galway · Ireland

Distributor:
BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

Cruiser-18

Peripheral Guide Wire
Indicated for PTA applications

- Single-piece core with distal coil
- Best steerability
- Excellent radiopacity

4F Solutions

BIOTRONIK
excellence for life

Cruiser-18

Peripheral Guide Wire

Technical Data

Stent	
Diameter	0.018"
Length	195 and 300 cm
Core wire material proximal	Stainless steel
Core wire material distal	Stainless steel
Proximal coil	Stainless steel
Distal coil	Platinum-tungsten, radiopaque
Proximal (shaft) coating	PTFE
Distal coating	13.5 cm, hydrophilic
Tip stiffness	Medium, Stiff

Order Information

Catalogue number	Tip stiffness	Length
357259	Medium	195 cm
357260	Stiff	195 cm
357261	Medium	300 cm
357262	Stiff	300 cm

Cruiser-18 is part of the BIOTRONIK 4F Solutions portfolio, including:

- Introducer Sheath: **Fortress** ■ Guide Wires: **XT-14, Cruiser** ■ Balloons: **Passeo-14, Passeo-18**
- Stents: **PRO-Kinetic Energy Explorer, Pulsar-18**

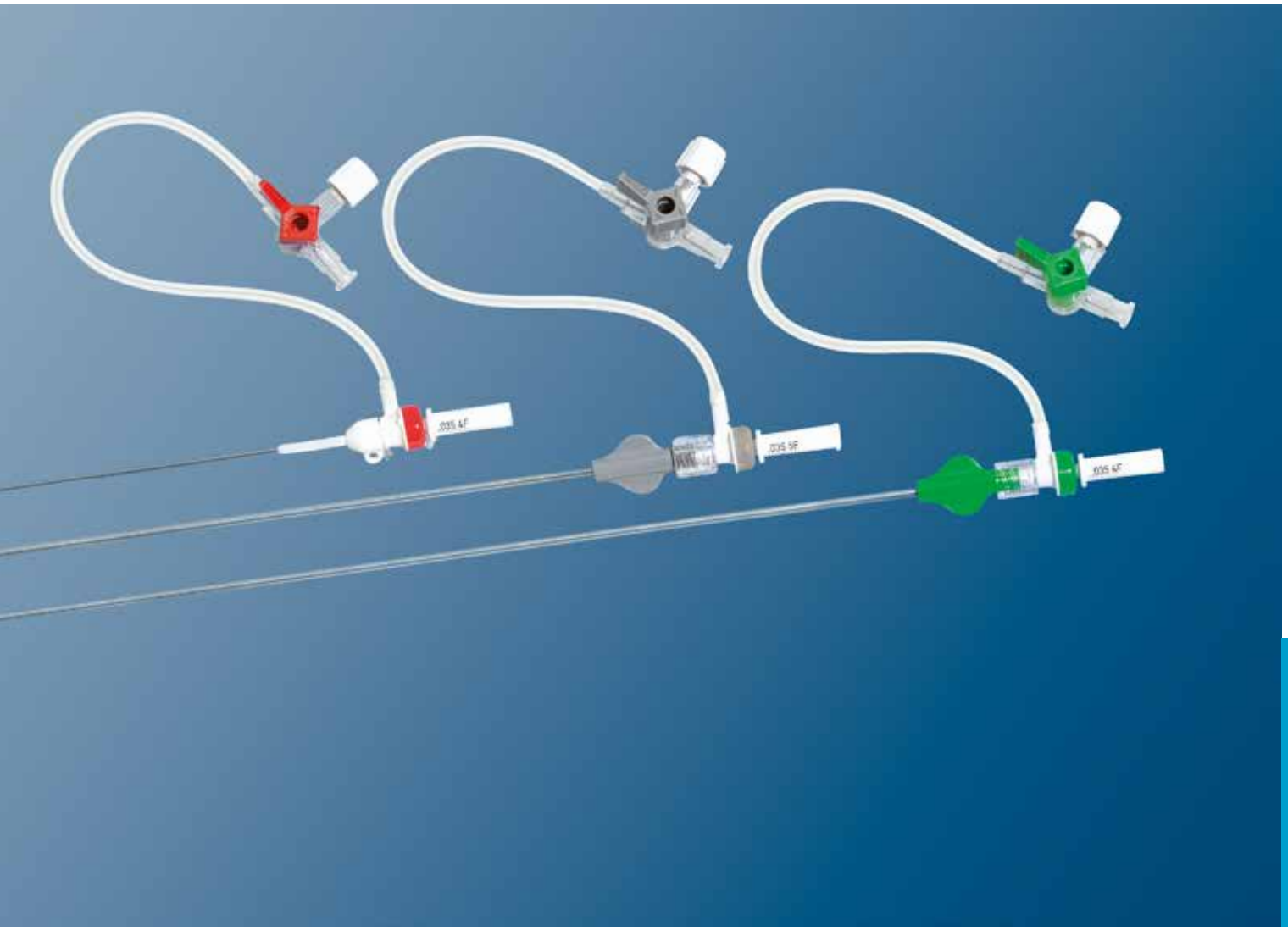
For ordering please contact your local sales representative

Manufacturer:
BRIVANT LTD.
Parkmore West
Business Park,
Galway · Ireland

Distributor:
BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

3. Accessory Products

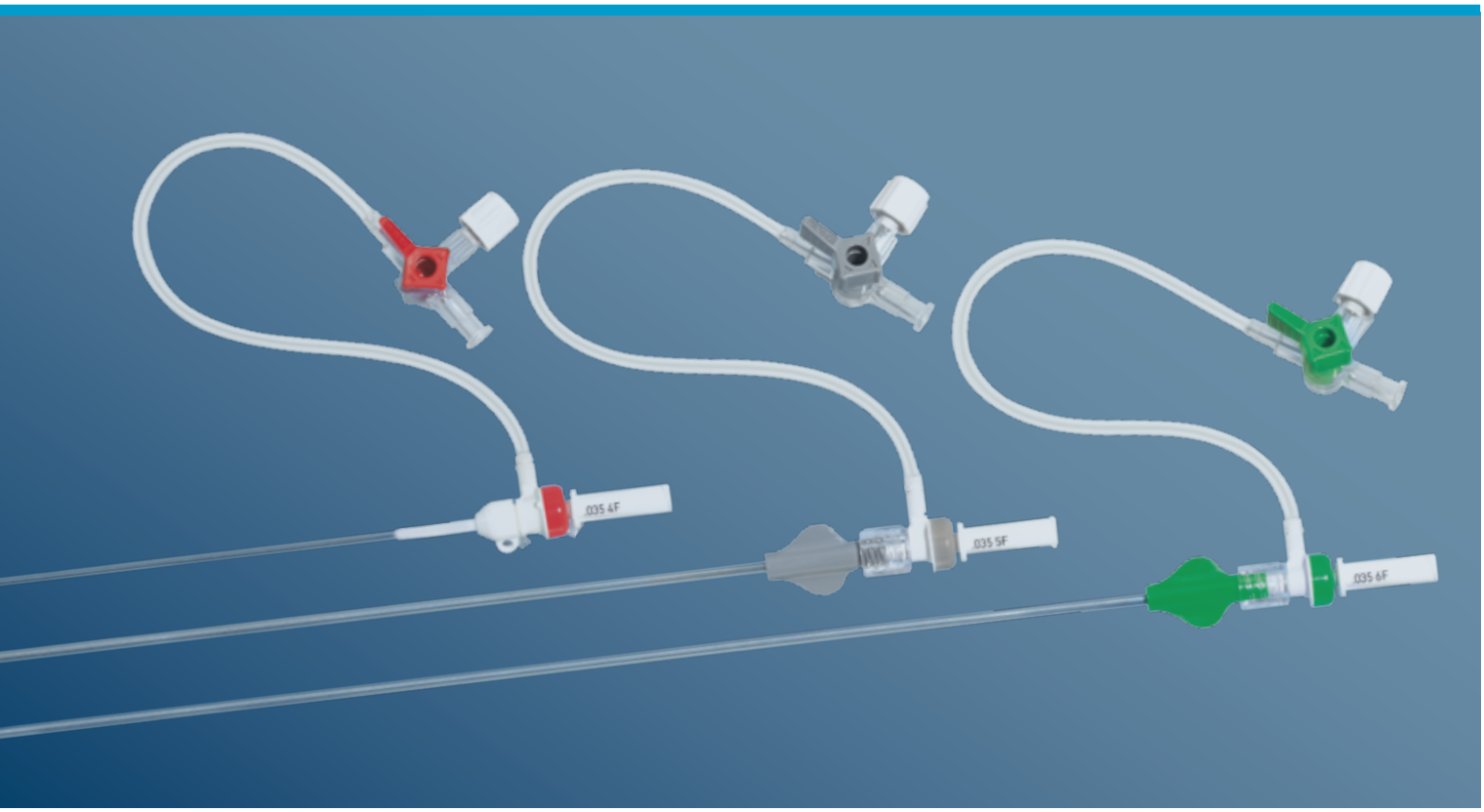


BIOTRONIK
excellence for life

BIOTRONIK
excellence for life

Fortress

Reinforced Introducer Sheath System / 4F, 5F, 6F
Indicated to provide access to lower limb arteries



- Coil reinforced sheath for kink and deformation resistance
- Radiopaque sheath marker to provide optimal radiopacity
- Hydrophobic coated sheath[1] for easy insertion
- Smooth tapered sheath and dilator tip

[1] 5F and 6F sheath

BIOTRONIK
excellence for life

Fortress

Reinforced Introducer Sheath System / 4F, 5F, 6F

Technical Data

Introducer Sheath	
French size	4F, 5F and 6F
Length	45 and 100 cm
Sheath material	Stainless steel coil reinforced polymer, PTFE liner
Sheath tip	Smooth taper with radiopaque marker band
Sheath shape	Pre-curved 45 cm Straight 45 and 100 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 of issue
	45	Curved	Crossover	358813	Curved/Straight	5
4F	**45**	Straight	Straight-45	358814	Curved/Straight	5
	100	Straight	Straight-100	358815	Curved / Straight	5
	45	Curved	Crossover	386590	Straight	5
5F	**45**	Straight	Straight-45	386591	Straight	5
	100	Straight	Straight-100	386592	Curved/Straight	5
	45	Curved	Crossover	386593	Straight	5
6F	**45**	Straight	Straight-45	386594	Straight	5
	100	Straight	Straight-100	386595	Curved/Straight	5

Fortess is part of the BIOTRONIK 4F and 6F Solutions portfolio, including:

4F ▪ Guide Wires: **XT-14, Cruiser, Cruiser-18** ▪ Balloons: **Passeo-14, Passeo-18**
▪ Stents: **PRO-Kinetic Energy Explorer, Pulsar-18**

6F ▪ Balloons: **Passeo-35, Passeo-35 HP, AngioSculpt** ▪ Stents: **Dynamic, Astron, Pulsar-35**

For ordering please contact your local sales representative

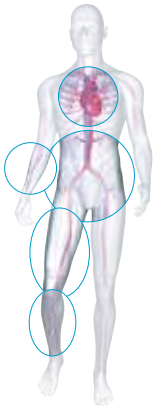
Manufacturer:
Contract Medical
International GmbH
Lauensteiner Strasse 37
01277 Dresden · Germany

Distributor:
BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

Neptune Pad

Non-Invasive Haemostasis Device



- Speeds up clotting process through calcium ion release at puncture site
- Anti-microbial properties reduces infection risk over traditional manual compression
- Safe, immediate access site re-puncture capability
- Improved patient and health care professional comfort

BIOTRONIK
excellence for life

Neptune Pad

Non-Invasive Haemostasis Device

Order Information

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

For ordering please contact your local sales representative

Manufacturer:
TZ Medical Inc.
7272 SW Durham Road
Portland, OR 97224

Distributor:
BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

3Flow

Aspiration Catheter

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

BIOTRONIK
excellence for life

3Flow
Aspiration Catheter

Technical Data	Aspiration catheter	3Flow 6F	3Flow 6F
	OD (dist./mid/prox.)	0.067"/0.067"/0.051"	0.078"/0.078"/0.063"
	Guide catheter min. ID	0.071" (1.80 mm)	0.081" (2.06 mm)
	Usable length	145 cm	145 cm
	Proximal shaft	PEEK	PEEK
	Distal shaft	SCP (Semi Crystalline Polymer)	SCP (Semi Crystalline Polymer)
	Coating (distal 25 cm)	Hydrophilic	Hydrophilic
	Distal marker band	Platinum-iridium, 3 mm from tip	Platinum-iridium, 3 mm from tip

Order Information	Catalogue number	Size
	387456	6F
	387457	7F

For ordering please contact your local sales representative

Manufacturer:
ARTHESYS
20, rue Traversiere
92230 Gennevilliers
France
www.arthesys.com

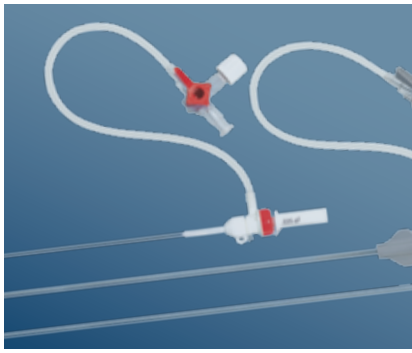
Distributor:
BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0) 44 8645111
Fax +41 (0) 44 8645005
info.vi@biotronik.com
www.biotronik.com

BIOTRONIK
excellence for life

BIOTRONIK
excellence for life

Product Catalogue

Vascular Intervention



BIOTRONIK AG
Ackerstrasse 6
8180 Bülach · Switzerland
Tel +41 (0)44 8645111
Fax +41 (0)44 8645005
info.vi@biotronik.com
www.biotronik.com

© BIOTRONIK AG – All rights reserved.
Specifications are subject to modification, revision and improvement.

BIOTRONIK
excellence for life