



Pantera LEO

Non-compliant High Pressure Balloon Catheter

Product Presentation

Pantera LEO

Agenda



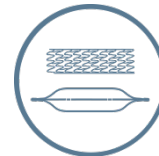
**Device
indication
and therapy**



**Key
benefits**



**Device
technology**



**Related VI
therapies**



**Specifications
& ordering info**



**Key
takeaways**

Device Indication

Pantera LEO

Non-compliant High Pressure Balloon Catheter indicated for stent post-dilatation and dilatation of a coronary artery or bypass graft stenosis¹

¹ Indication as per IFU

Positioning Pantera Family

Ø (mm)	Semi-compliant Workhorse Balloon	Non-compliant High Pressure Balloon	
	Pre-dilatation	Post-dilatation Pre-dilatation of hard lesions	
1.25	Pantera Pro		
1.5			
2.0		Pantera LEO	
:			
:			
:			
4.0			
4.5	Pantera LEO		
5.0			

Pantera LEO's large sizes 4.5mm and 5.0mm also complete the size range of the Pantera Pro workhorse balloon

Pantera LEO

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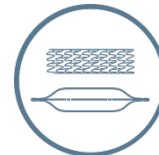
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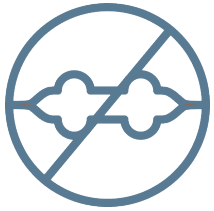


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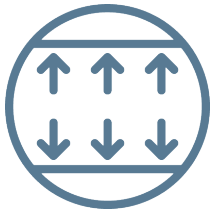


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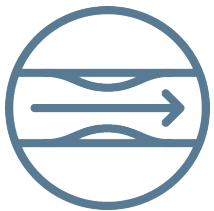
Key Features – Pantera LEO



Lowest compliance in class¹ avoiding dog-bone effect



Precise dilatation



Enhanced crossability and accurate placement



¹ When compared to main competitors, BIOTRONIK data on file
Pantera_LEO_Product_Presentation_EN_Approved_08.MAR.2018

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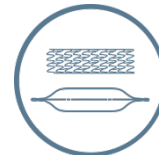
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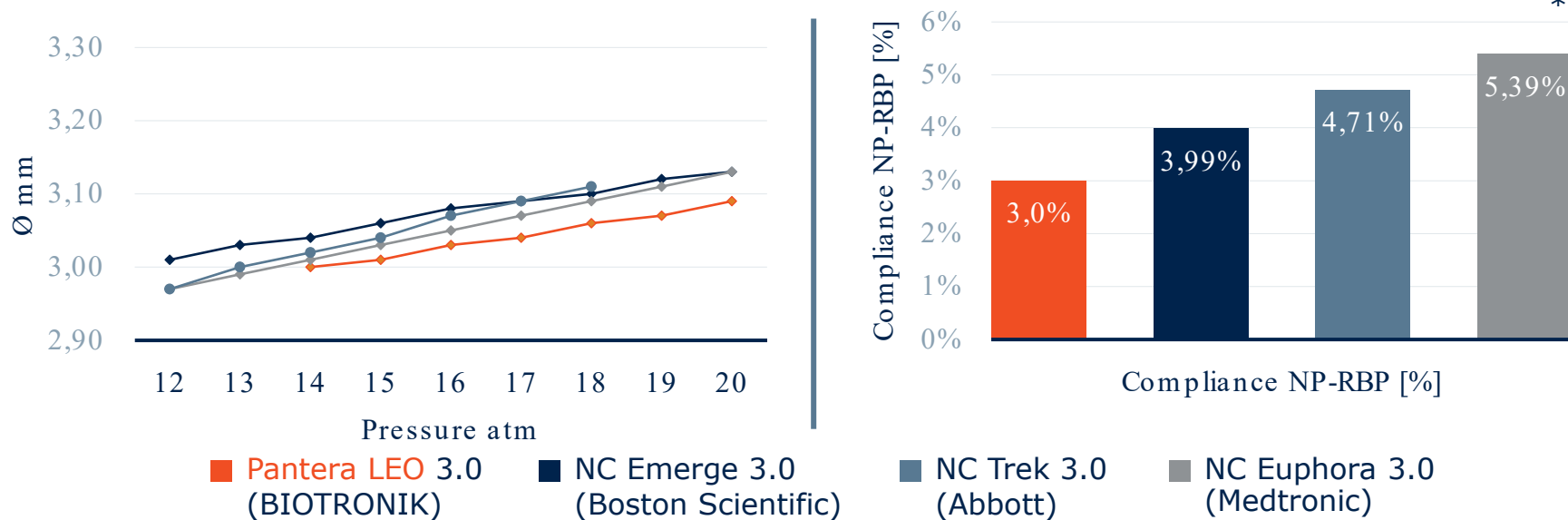
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Key
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Lowest Compliance in Class Avoiding Dog-bone Effect

Compliance 3.0 mm Balloons



The lowest compliance ensures controlled minimal growth¹ up to RBP without any dog-bone effect

¹ When compared to main competitors. Source: Product Labelling, values shown between NP and RBP

* Trek and NC Trek are registered trademarks of Abbott; Emerge is a registered trademark of Boston Scientific; Euphora is a registered trademark of Medtronic.

Precise dilatation

The extra short balloon shoulders reduce longitudinal balloon growth, minimizing the potential for vessel trauma outside the treatment area

Longitudinal balloon growth between NP and RBP¹

BIOTRONIK
Pantera LEO

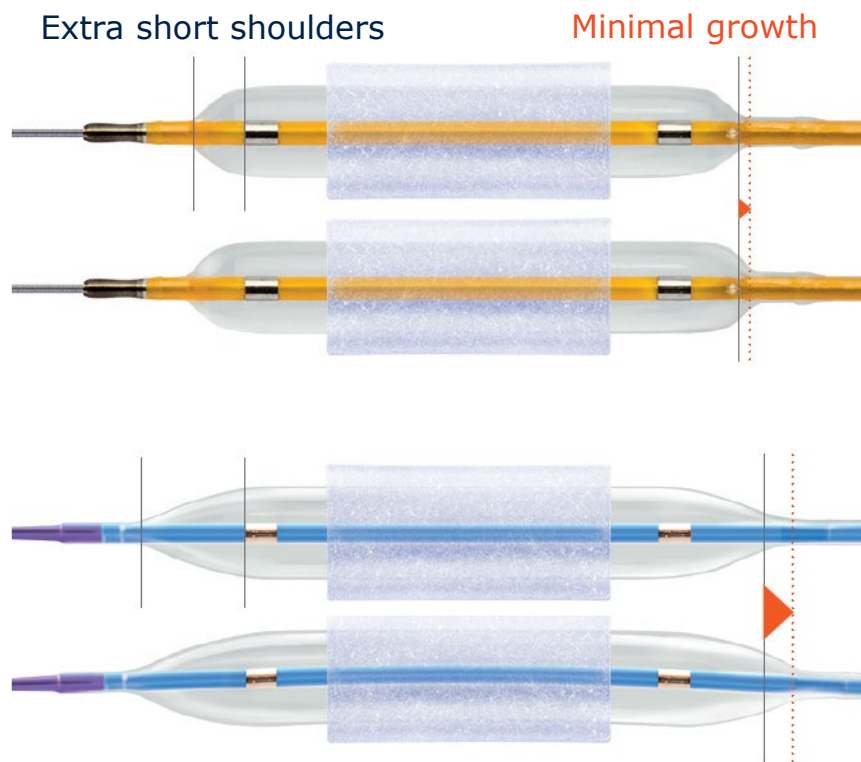
NP at 14 atm

RBP at 20 atm

Boston Scientific
NC Emerge

NP at 12 atm

RBP at 20 atm



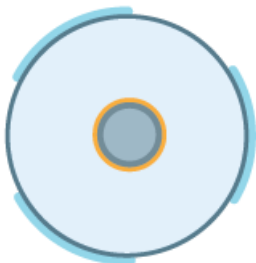
Enhanced crossability and accurate placement

Patchwork Coating for Enhanced Crossability

Folded
balloon



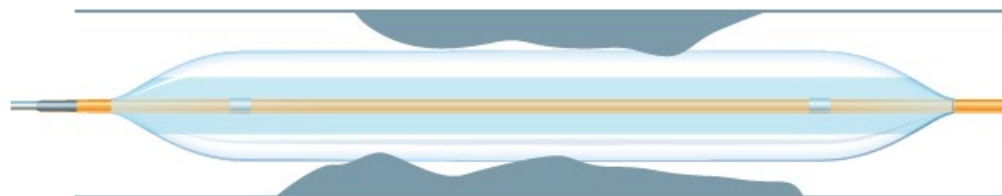
Inflated
balloon



< < < < Enhanced crossability < < < <



Minimized slippage



▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲
● Hydrophobic coating ○ Uncoated

The tri-fold balloon is fully coated when folded but only partly coated when inflated. The resulting patchwork coating enables enhanced crossability while minimizing slippage during dilatation.

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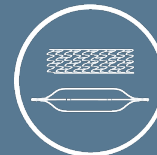
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Orsiro and Pantera LEO Size Ranges are Aligned for Optimal Post-dilatation

Post-dilatation is usually done with NC balloons shorter than the stent delivery balloon¹

NC Balloon Length [mm]	DES Length [mm]	BMS Length [mm]
Pantera LEO	Orsiro	PRO-Kinetic Energy
8	9	9
12	13/15	13/15
15	18	18
20	22/26	20/22/26
Multiple	30/35/40	30/35/40

¹ Brodie BR. J Interv Cardiol. 2006 Feb;19(1):43-50.

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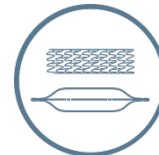
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Specifications

General

Guiding catheter	5F (min. ID 0.056")
Guide wire diameter	0.014"
Usable catheter length	145cm

Balloon & Tip

Balloon material	SCP (Semi Crystalline Polymer)
Coating	Hydrophobic (Balloon and tip)
Lesion entry profile	0.018"
Marker bands	Platinum-Iridium, 2 for all sizes
NP	14 atm
RBP	20 atm (18 atm Ø 4.5/5.0mm)

Distal Shaft

Length	34 cm
Diameter	2.6F (ø 2.0 – 3.75mm) 2.7F (ø 4.0 – 5.0mm)
Material	SCP (Semi Crystalline Polymer)
Coating	Hydrophilic (end of balloon to GW exit port)

Proximal Shaft

Design	Hypotube design
Diameter	2.0F
Shaft markers	92cm and 102cm from tip
Coating	Hydrophobic

Pantera LEO Ordering Information

Ø (mm)	Length (mm)				
	8	12	15	20	30
2.0	366991	367002	367013	367024	367035
2.25	366992	367003	367014	367025	367036
2.5	366993	367004	367015	367026	367037
2.75	366994	367005	367016	367027	367038
3.0	366995	367006	367017	367028	367039
3.25	366996	367007	367018	367029	367040
3.5	366997	367008	367019	367030	367041
3.75	366998	367009	367020	367031	367042
4.0	366999	367010	367021	367032	367043
4.5	367000	367011	367022	367033	367044
5.0	367001	367012	367023	367034	367045

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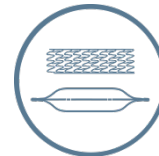
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Key Takeaways – Pantera LEO



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