

APERTA NSE™ PTA

BALLOON DILATATION CATHETER

NIPRO

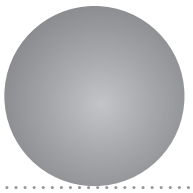
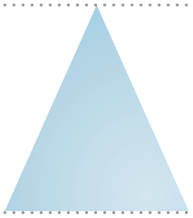
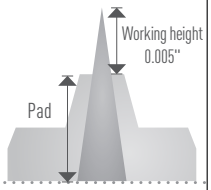
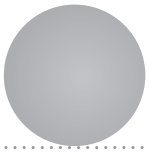
Aperta NSE™ PTA

Balloon Dilatation Catheter

The **Aperta NSE PTA Scoring balloon** introduces a proprietary design that delivers focal force along four triangular scoring elements, evenly distributed to crack and modify calcified lesions.



Equally distributed elements are designed to assist in breaking calcified lesions, allowing for smoother vessel expansion.

PTA GW	**Aperta NSE PTA**	Peripheral CB	Angiosculpt	Ultrascore
	Nylon	Stainless	Nitinol	Stainless
				
0.36 mm 0.014"	0.39 mm 0.015" # of elements **4**	0.33 mm 0.013" # of elements **4**	0.18 mm 0.007" # of elements **4**	0.25 mm 0.010" # of elements **2**

PREP MORE - HEAL MORE



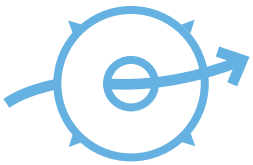
CONTROLLED EXPANSION

The low-compliance balloon and integrated scoring elements **reduce the risk of uncontrolled dissections.**



BALANCED FORCE DELIVERY

Unique and balanced scoring elements **allow additional force to be delivered to lesions without over expansion.**



SMOOTH NAVIGATION

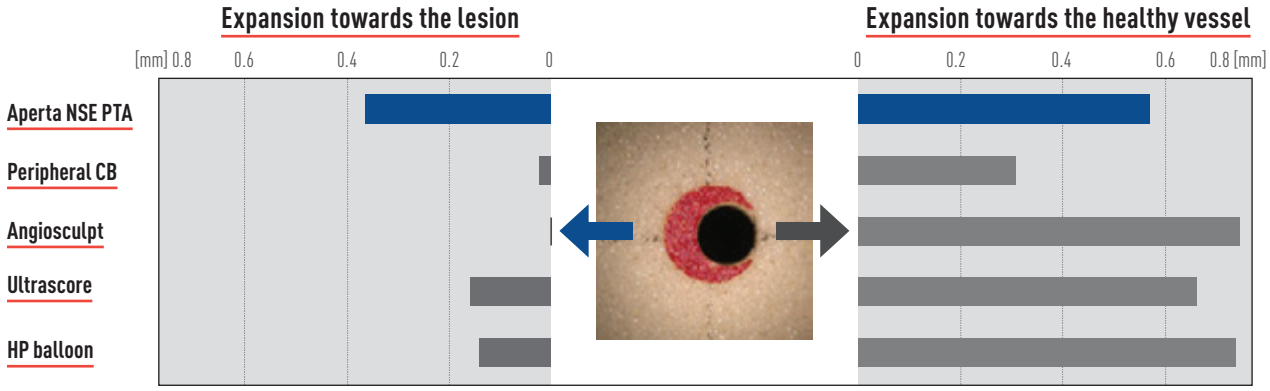
Improved deliverability with a small entry profile and improved pushability **enhances procedural success.**

CONTROLLED EXPANSION

- **The single-piece design** ensures that the scoring elements cannot dislodge from the balloon, potentially reducing risk for the patient.
- **Low compliance and minimal elongation** of the balloon may help prevent overexpansion and dissection at the lesion site.

BALANCED FORCE DELIVERY

- **Self-anchoring effect** allows the physician to crack non-concentric calcified lesions, giving a higher scoring success rate.
- **Unique scoring element shape** creates points of focal force to increase success of scoring attempt at a lower pressure.
- **Gripping effect** prevents slippage, allowing the four integrated elements to maintain the center position by gripping into and cracking the calcified component, even in tortuous lesions.
- **High-rated burst pressure** allows the delivery of additional uniform force without distending the balloon.



Data on file

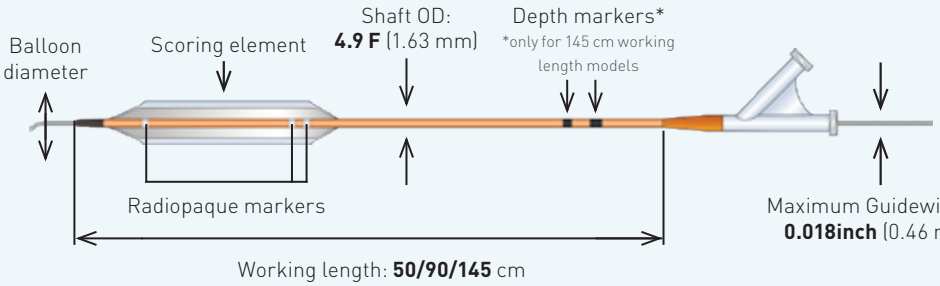
Method: Inflation pressure is increased to RBP (Rated Burst Pressure), continuing until a crack is confirmed. Data on file demonstrates that the Aperta PTA balloon expands towards the lesion, resulting in luminal gain.

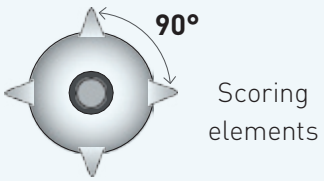
SMOOTH NAVIGATION

- **4.9 F shaft** enables improved pushability in tight lesions enhancing procedural success.

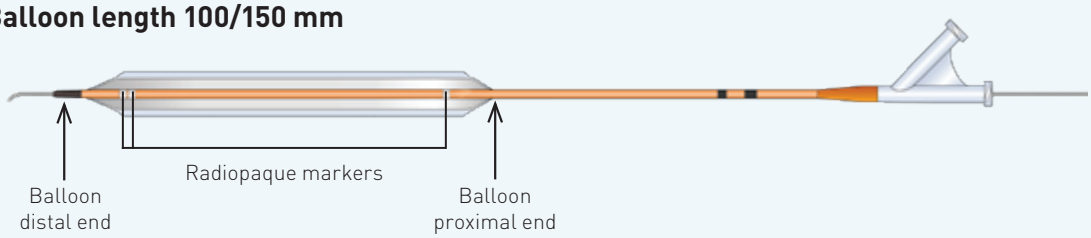
Specifications

Balloon length 40 mm





Balloon length 100/150 mm



Balloon length 40 mm

Model no.	Balloon Diameter	Balloon Length	Working Length	Min. Introducer Sheath	Nominal Pressure	Rated Burst Pressure
AA18-05040040	4.0 mm	40 mm	50 cm	5 F	10 atm	20 atm
AW18-09040040		40 mm	90 cm			
AW18-14540040		40 mm	145 cm			
AA18-05050040	5.0 mm	40 mm	50 cm			
AW18-09050040		40 mm	90 cm			
AW18-14550040		40 mm	145 cm			
AA18-05060040	6.0 mm	40 mm	50 cm	6 F		
AW18-09060040		40 mm	90 cm			
AW18-14560040		40 mm	145 cm			
AA18-05070040	7.0 mm	40 mm	50 cm			14 atm
AW18-09070040		40 mm	90 cm			
AW18-14570040		40 mm	145 cm			
AA18-05080040	8.0 mm	40 mm	50 cm			
AW18-09080040		40 mm	90 cm			
AW18-14580040		40 mm	145 cm			

Balloon length 100/150 mm

Model no.	Balloon Diameter	Balloon Length	Working Length	Min. Introducer Sheath	Nominal Pressure	Rated Burst Pressure
LA18-05040100	4.0 mm	100 mm	50 cm	5 F	10 atm	20 atm
LA18-05040150		150 mm	50 cm			
LW18-09040100		100 mm	90 cm			
LW18-09040150		150 mm	90 cm			
LW18-14540100		100 mm	145 cm			
LW18-14540150		150 mm	145 cm			
LA18-05050100	5.0 mm	100 mm	50 cm	6 F		
LA18-05050150		150 mm	50 cm			
LW18-09050100		100 mm	90 cm			
LW18-09050150		150 mm	90 cm			
LW18-14550150		150 mm	145 cm			
LW18-14550100		100 mm	145 cm			
LA18-05060100	6.0 mm	100 mm	50 cm			
LA18-05060150		150 mm	50 cm			
LW18-09060100		100 mm	90 cm			
LW18-09060150		150 mm	90 cm			
LW18-14560100		100 mm	145 cm			
LW18-14560150		150 mm	145 cm			

Caution: Federal law (USA) restricts device to sale by or on the order of a physician. **Indication**: The Aperta NSE PTA Balloon Dilatation Catheter is indicated for percutaneous transluminal angioplasty (PTA) of lesions in peripheral arteries, including iliac, femoral, ilio-femoral, popliteal, and infra-popliteal arteries, and for the treatment of obstructive lesions of native or synthetic arteriovenous dialysis fistulae. This device is also indicated for treatment of in-stent restenosis of balloon expandable and self-expanding stents in the peripheral vasculature. This device is not for use in the coronary or neuro-vasculature including carotid arteries.

The Nipro Commitment

An estimated 1 million* peripheral interventions procedures are performed each year in the United States, making it critical that interventional devices deliver predictable, safe, and effective luminal expansion to restore blood flow.

Nipro is committed to supporting coronary and peripheral vascular intervention to safely and effectively treat obstructions using innovations that have a measurable clinical impact in the lives of vulnerable patients.

* Market Insights Peripheral Vascular Devices, Clarivate, 2021

Bro-APERTA_NSE_PTA - EN - 16.Sept 2025 | For U.S. use only. Not yet approved for use in the EU or other regions.

NIPRO Live Longer. Live Better.
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