



CRACK  
THE CODE  
**FOR VESSEL**  
**PREPARATION**



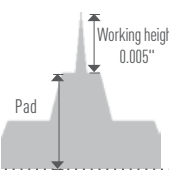


**APERTA NSE™ PTA**  
BALLOON DILATATION CATHETER





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.

The equally distributed elements of Aperta NSE PTA reduces complication rates associated with ballooning (dissection) and can be helpful in lesions traditionally difficult to achieve good vessel expansion.

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

PREPARE MORE. ENSURE MORE.



### **REDUCED** **COMPLICATIONS**

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



### **HIGHER** **EFFICACY**

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



### **SMOOTH** **DELIVERABILITY**

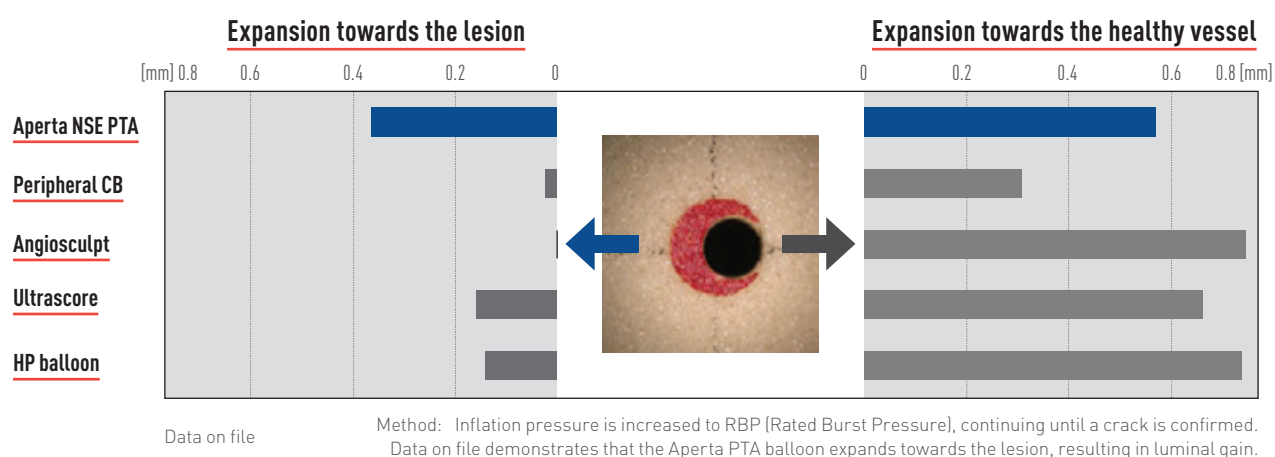
Improved deliverability with a small entry profile and improved pushability **enhances procedural success.**

## REDUCED COMPLICATIONS

- **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.

## HIGHER EFFICACY

- **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.

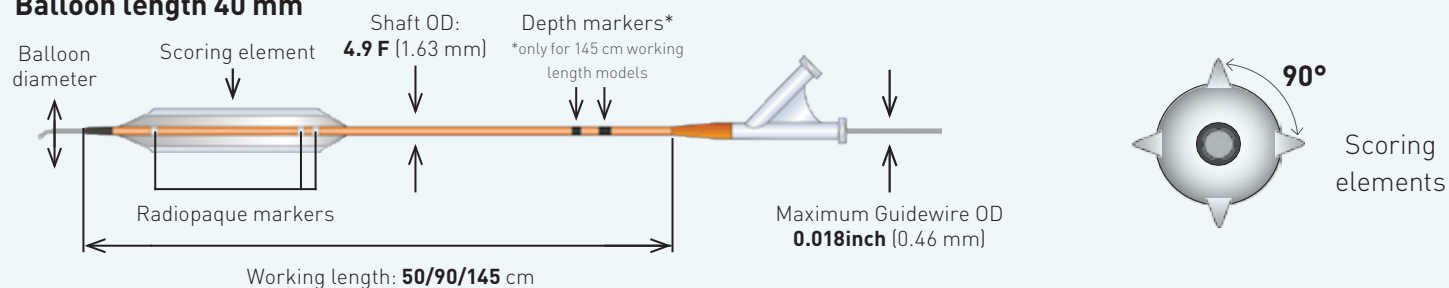


## SMOOTH DELIVERABILITY

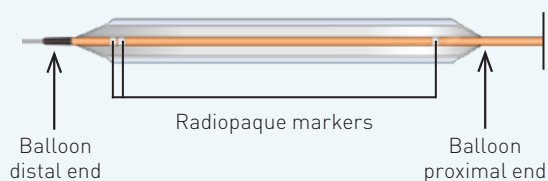
- 4.9 F shaft** enables improved pushability in tight lesions enhancing procedural success.

## Specifications

### Balloon length 40 mm



**Balloon length 100/150 mm**



Balloon Diameter	Baloon Length	Catheter Type	Sheath	Max. Shaft OD	Working Length	GW	Coating Length
4.00 mm	100/150 mm	OTW	5/6 F	4.9 F	50/90/145 cm	0.018 inch	Tip-balloon
5.00 mm							
6.00 mm							

## ORDERING INFORMATION

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						
LA18-05040100		100 mm	50 cm						
LA18-05040150		150 mm	50 cm						
LW18-09040100		100 mm	90 cm						
LW18-09040150		150 mm	90 cm						
LW18-14540100	5.0 mm	100 mm	145 cm						
LW18-14540150		150 mm	145 cm						
AA18-05050040		5.0 mm	50 cm						
AW18-09050040		40 mm	90 cm						
AW18-14550040		40 mm	145 cm						
LA18-05050100		100 mm	50 cm						
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						
AA18-05060040	6.0 mm	40 mm	50 cm	6 F		14 ATM			
AW18-09060040		40 mm	90 cm						
AW18-14560040		40 mm	145 cm						
LA18-05060100		100 mm	50 cm						
LW18-09060100		100 mm	90 cm						
LA18-05060150		150 mm	50 cm						
LW18-09060150		150 mm	90 cm						
LW18-14560100		100 mm	145 cm						
LW18-14560150		150 mm	145 cm						
AA18-05070040	7.0 mm	40 mm	50 cm						
AW18-09070040		40 mm	90 cm						
AW18-14570040		40 mm	145 cm						
AA18-05080040	8.0 mm	40 mm	50 cm						14 ATM
AW18-09080040		40 mm	90 cm						
AW18-14580040		40 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



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