

Vascular perspectives

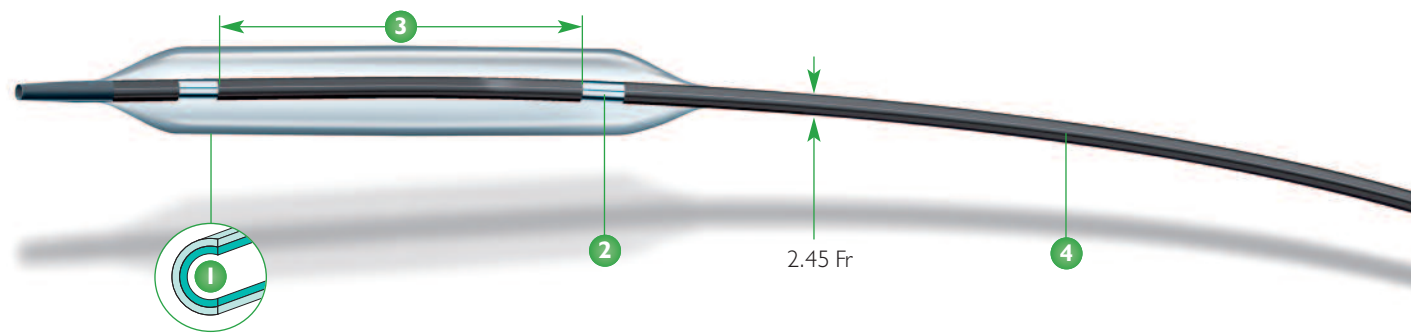
innovations for the interventionalist

OPN NC 35atm HIGH-PRESSURE BALLOON

Unique twin-layer balloon technology
with low compliance

A twin-layered high-pressure (RBP 35 atm) NC balloon designed to dilate stents or lesions where 20 atm proves to be insufficient.

40 atm Inflation Device is also available.



- 1 Twin layer balloon construction
- 2 Two platinum markers for all sizes
- 3 All balloon lengths for the OPN are measured between the inside edge of each marker
- 4 Patchwork coating of balloon and fully coated catheter shaft in order to facilitate lesion crossing and catheter manoeuvrability

Case Study

Published by **Catheterization and Cardiovascular Interventions DOI 10.1002/ccd.**

A Noncompliant, High Pressure Balloon to Manage Undilatable Coronary Lesions

As published in *Cardiac Catheter Intervention*, by Yogesh Raja, MD, MRCP – Helen C. Routledge, BSc, MD, MRCP and Sagar N. Doshi, MBChB, BSc, MD, FRCP



Diagnostic angiogram (AP projection) of the left coronary artery showing a severe stenosis of the mid LAD



Severe "dog-boning" of a 2.5mm x 12mm Sprinter NC balloon observed at 30atm.



The resistant lesion was successfully dilated with a 2.5mm x 10mm OPN NC balloon at 35atm.

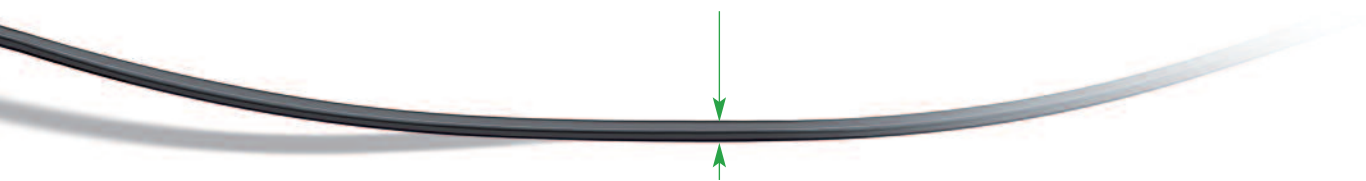


Final angiogram showed full, uniform expansion of the 2.75mm x 18mm Cypher Select stent with absence of perforation and dissection

Vascular perspectives

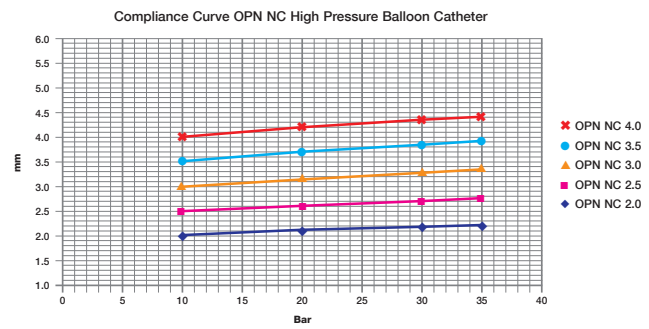
innovations for the interventionalist

1.9 Fr



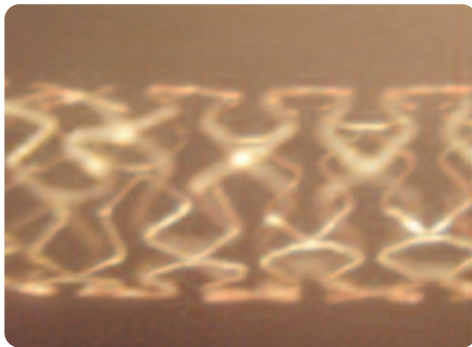
Please note:

The OPN Balloon requires high pressure Inflation Device (Cat. No. 96346) to achieve 35atm RBP

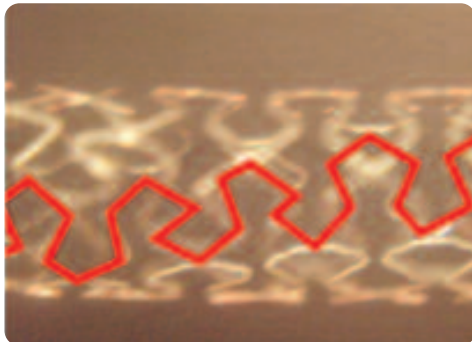


Stent strut configurations at:

25atm

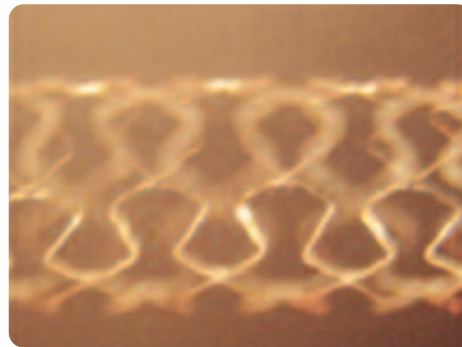


In vitro stent following expansion at 25atm with OPN NC Balloon

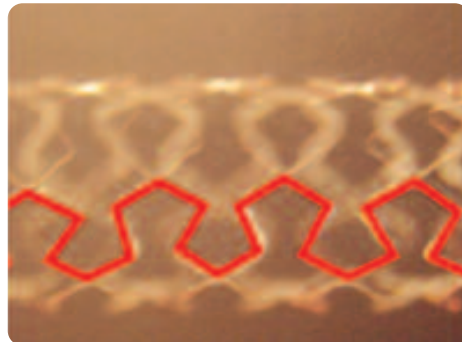


Irregular cell pattern and stent expansion at 25atm

35atm



In vitro stent following expansion at 35atm with OPN NC Balloon



Uniform cell shape and stent expansion at 35atm

Ordering information

OPN NC®

Cat. Number	Balloon Diameter	Balloon Length	RBP
200-010-004	2.0mm	10mm	35 bar
200-015-004	2.0mm	15mm	35 bar
200-020-004	2.0mm	20mm	35 bar
250-010-004	2.5mm	10mm	35 bar
250-015-004	2.5mm	15mm	35 bar
250-020-004	2.5mm	20mm	35 bar
300-010-004	3.0mm	10mm	35 bar
300-015-004	3.0mm	15mm	35 bar
300-020-004	3.0mm	20mm	35 bar
350-010-004	3.5mm	10mm	35 bar
350-015-004	3.5mm	15mm	35 bar
350-020-004	3.5mm	20mm	35 bar
400-010-004	4.0mm	10mm	35 bar
400-015-004	4.0mm	15mm	35 bar
400-020-004	4.0mm	20mm	35 bar

Inflation Device

Cat. Number	Max atm
96346	40



Vascularperspectives

innovations for the interventionalist

Parkview House
127 Styal Road
Heald Green, Cheadle
Cheshire SK8 3TG, UK

Tel: 0161 491 0585
Fax: 0161 282 6540
Web: vascularperspectives.com
Email: info@vpmed.co.uk