SAPPHIRE® II NC
Coronary Dilatation Catheter

Ordering Information

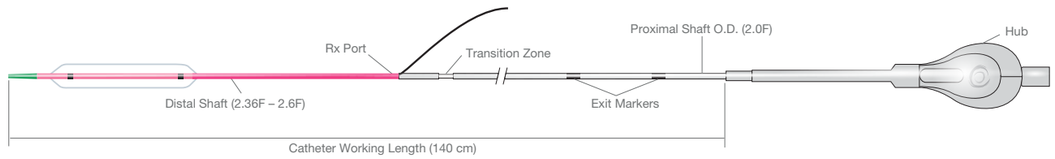
EU Manufacturing Catalogue Numbers

Balloon Diameter (mm)	Balloon Working Length (mm)				
	8	10	12	15	18
1.75	117-1708	117-1710	117-1712	117-1715	117-1718
2.0	117-2008	117-2010	117-2012	117-2015	117-2018
2.25	117-2208	117-2210	117-2212	117-2215	117-2218
2.5	117-2508	117-2510	117-2512	117-2515	117-2518
2.75	117-2708	117-2710	117-2712	117-2715	117-2718
3.0	117-3008	117-3010	117-3012	117-3015	117-3018
3.25	117-3208	117-3210	117-3212	117-3215	117-3218
3.5	117-3508	117-3510	117-3512	117-3515	117-3518
3.75	117-3708	117-3710	117-3712	117-3715	117-3718
4.0	117-4008	117-4010	117-4012	117-4015	117-4018
4.5	117-4508	117-4510	117-4512	117-4515	117-4518
5.0	117-5008	117-5010	117-5012	117-5015	117-5018

Compliance Chart

Pressure atm	(kPa)	Balloon Diameter (mm)											
		1.75	2.0	2.25	2.5	2.75	3.0	3.25	3.5	3.75	4.0	4.5	5.0
6	(608)	1.68	1.90	2.14	2.40	2.61	2.86	3.10	3.33	3.54	3.79	4.26	4.70
8	(811)	1.70	1.93	2.17	2.44	2.66	2.91	3.15	3.39	3.61	3.86	4.34	4.80
10	(1013)	1.73	1.97	2.21	2.47	2.70	2.95	3.20	3.44	3.68	3.93	4.42	4.90
NOM* 12	(1216)	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.50	5.00
14	(1419)	1.77	2.03	2.29	2.53	2.80	3.05	3.30	3.56	3.82	4.07	4.58	5.10
16	(1621)	1.80	2.07	2.33	2.56	2.84	3.09	3.35	3.61	3.89	4.14	4.66	5.20
RBP** 18	(1824)	1.82	2.10	2.36	2.60	2.89	3.14	3.40	3.67	3.96	4.21	4.74	5.30
RBP** 20	(2027)	1.84	2.13	2.40	2.63	2.93	3.18	3.45	3.72	4.03	4.27	4.82	5.40
22	(2229)	1.87	2.16	2.44	2.66	2.98	3.23	3.50	3.78	4.10	4.34	4.90	5.49
24	(2432)	1.89	2.20	2.48	2.69	3.02	3.27	3.55	3.83	4.17	4.41	4.98	5.59
26	(2634)	1.92	2.23	2.51	2.72	3.07	3.32	3.59	3.89	4.24	4.48	5.06	5.69

* Nominal Pressure. The nominal in vitro device specifications do not take into account any lesion resistance.
** Rated Burst Pressure. Do not exceed RBP



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Pioneers in life-changing technologies

SAPPHIRE® II NC
Coronary Dilatation Catheter

True Controlled Compliance and
Ultimate Crossability for a
Wide Spectrum of Vessels

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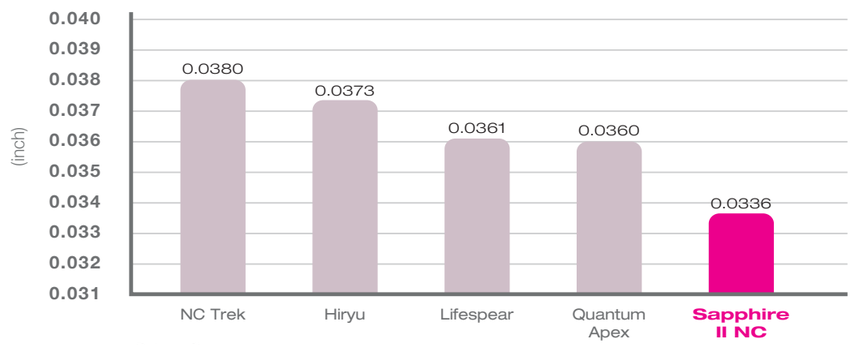
Ultimate Crossability and Tip Entry Profile

Sapphire II NC Coronary Dilatation Catheter is a well-balanced and truly non-compliant balloon catheter engineered to cross tight and calcified lesions.

Enhanced distal Z-Tip with advanced laser welding technology for "ZERO" transition with conventional steerable guidewires

Crossing Profile Comparison



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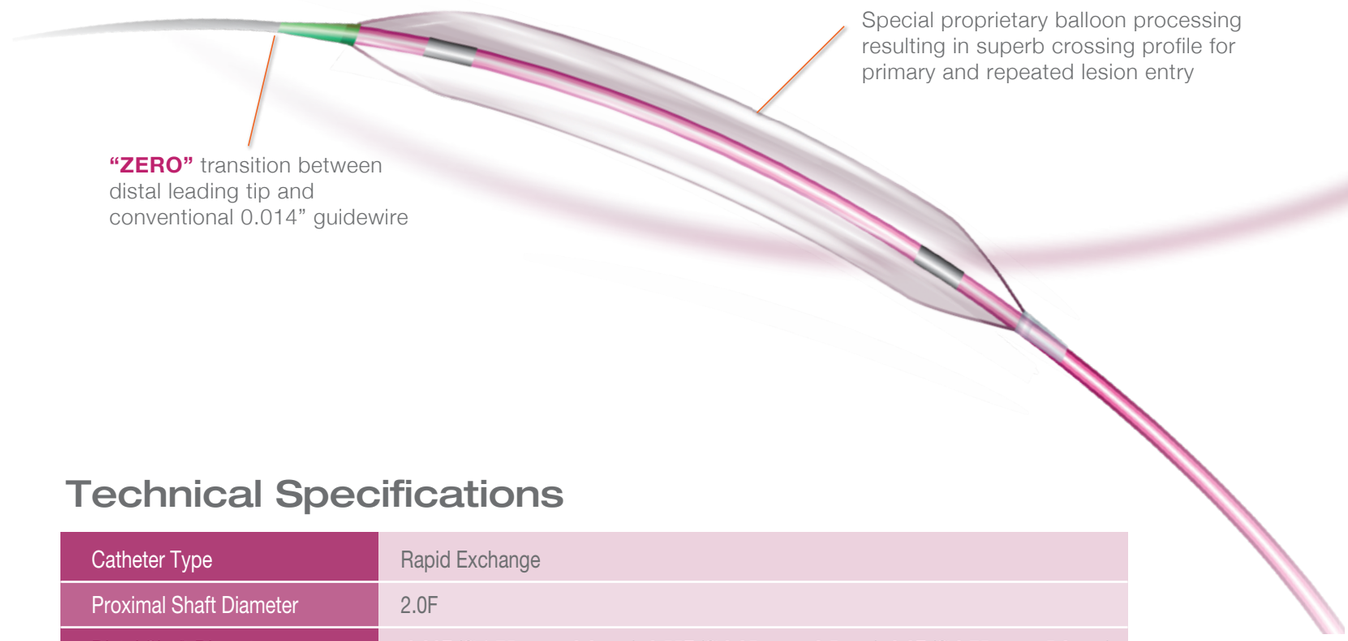
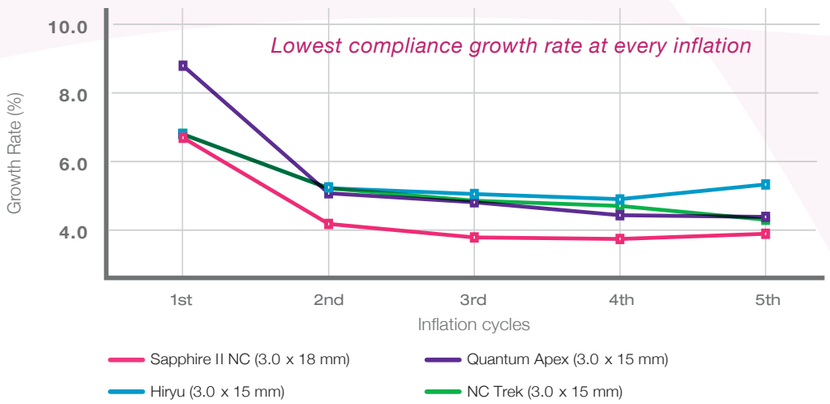


True Controlled Compliance

True non-compliance and minimal **overstretch for reliability** and size accuracy. Sapphire NC **brings** advanced material **engineering for** optimum reliability and deliverability.

Compliance Comparison from Nominal Pressure to RBP



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Technical Specifications

Catheter Type	Rapid Exchange
Proximal Shaft Diameter	2.0F
Distal Shaft Diameter	2.36F (Ø 1.75 mm – 2.0 mm); 2.55F (Ø 2.25 mm – 3.5 mm); 2.6F (Ø 3.75 mm – 5.0 mm)
Catheter Working Length	140 cm
Leading Tip Length	1.5 mm (Ø 1.75 mm); 2.0 mm (Ø 2.0 mm – 3.0 mm); 2.5 mm (Ø 3.25 mm – 5.0mm)
Balloon Material	Nylon
Balloon Folds	3 (Ø 1.75 mm – 3.0 mm); 5 (Ø 3.25 mm – 5. 0 mm)
Compliance	Controlled-compliant
Crossing Profile	0.0336" (Ø 3.0 mm)
Marker Bands	2
Coating	Hydrophilic (distal tip to guidewire exit port), Hydrophobic (guidewire lumen)
Nominal Pressure	12 atm
Rated Burst Pressure	20 atm (Ø 1.75 mm – 4.0 mm); 18 atm (Ø 4.5 mm – 5.0 mm)
Guiding Catheter Compatibility	5F (1.75 mm – 4.0 mm), 6F (4.5 mm – 5.0 mm)