

CARBOSTENT™

INPERIA



ADVANCE

iCarbofilm™ Coated Peripheral Vascular Stent System on RX Balloon Catheter

Manufacturing Company	CID S.p.A. 13040 Saluggia VC - Italy
CE Mark	NB 0373
Shelf life	3 years

Stent Technical Characteristics

Material	L605 (Cobalt-Chromium alloy)
Permanent Coating	<i>iCarbofilm™</i> – integral and permanent pure carbon thin film
Ferromagnetism	Non ferromagnetic, MRI safe
Visibility	Two Platinum markers at stent edge
Stent Design	Multicellular
Strut Thickness [mm]	0.070 Small Vessel, 0.080 Medium & Large Vessel
Metal to artery ratio [%]	11÷15
Foreshortening upon expansion [%]	0
Elastic Recoil [%]	2÷7
Stent Crimping	“Clasp Care Crimping +” (Proprietary process)

Delivery System

Catheter Design	Balloon Expandable Stent on Rapid exchange (RX) catheter
Catheter Length	142 cm
Compatibility	
Guidewire	0.014”
Introducer	4 F
Shaft	
Proximal Shaft	Stainless Steel Hypotube, Length 114cm
Distal Shaft	Polyamide, Length 28cm
Coating	Hydrophilic coating “Comfort Coat™”
Balloon Characteristics	
Material	Polyamide
Nominal Pressure NP	9 atm
Rated Burst Pressure RBP	18 atm
Average Burst Pressure ABP	24 atm
Radiopaque markers	2 ring markers
Tip Material	Pebax

Compliance Chart

Pressure [atm]	Diameter [mm]						
	2,25	2,50	2,75	3,00	3,50	4,00	4,50
6	2,08	2,31	2,54	2,77	3,26	3,74	4,15
7	2,13	2,37	2,61	2,85	3,35	3,84	4,27
8	2,19	2,43	2,68	2,93	3,43	3,92	4,38
9 NP	2,25	2,50	2,75	3,00	3,50	4,00	4,50
10	2,31	2,55	2,83	3,08	3,58	4,09	4,61
11	2,36	2,61	2,90	3,15	3,66	4,17	4,68
12	2,40	2,65	2,95	3,20	3,71	4,25	4,74
13	2,44	2,70	3,01	3,25	3,77	4,32	4,80
14	2,48	2,74	3,06	3,29	3,82	4,37	4,86
15	2,51	2,77	3,09	3,32	3,86	4,41	4,92
16	2,55	2,80	3,12	3,36	3,90	4,46	4,98
17	2,59	2,83	3,15	3,39	3,94	4,50	5,04
18 RBP	2,62	2,86	3,19	3,43	3,98	4,54	5,11
19	2,65	2,89	3,23	3,47	4,03	4,59	5,19
20	2,68	2,93	3,27	3,51	4,08	4,65	5,27
21	2,71	2,96	3,30	3,55	4,12	4,69	5,33
22	2,74	2,99	3,34	3,60	4,18	4,74	5,40

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Diameter (mm)	Length (mm)							
	7	8	12	16	20	24	25	31
2.25	ICIC22507	-	ICIC22512	ICIC22516	ICIC22520	ICIC22524	-	-
2.50	-	ICIC25008	ICIC25012	ICIC25016	ICIC25020	-	ICIC25025	-
2.75	-	ICIC27508	ICIC27512	ICIC27516	ICIC27520	-	ICIC27525	-
3.00	-	ICIC30008	ICIC30012	ICIC30016	ICIC30020	-	ICIC30025	-
3.25	-	ICIC32508	ICIC32512	ICIC32516	ICIC32520	-	ICIC32525	ICIC32531
3.50	-	ICIC35008	ICIC35012	ICIC35016	ICIC35020	-	ICIC35025	ICIC35031
3.75	-	ICIC37508	ICIC37512	ICIC37516	ICIC37520	-	ICIC37525	ICIC37531
4.00	-	ICIC40008	ICIC40012	ICIC40016	ICIC40020	-	ICIC40025	ICIC40031