

product name	balloon dimensions	
	diameter [mm]	lengths [mm]
1.50 Invader™ PTCA Balloon Catheter	1.50	12 - 20
2.00 Invader™ PTCA Balloon Catheter	2.00	12 - 15 - 17 - 20 - 22 - 25
2.50 Invader™ PTCA Balloon Catheter	2.50	12 - 15 - 17 - 20 - 22 - 25 - 28 - 30 - 34
2.75 Invader™ PTCA Balloon Catheter	2.75	12 - 15 - 17 - 20 - 22 - 25 - 28 - 30 - 34
3.00 Invader™ PTCA Balloon Catheter	3.00	12 - 15 - 17 - 20 - 22 - 25 - 28 - 30 - 34
3.50 Invader™ PTCA Balloon Catheter	3.50	12 - 15 - 17 - 20 - 22 - 25 - 28 - 30 - 34
4.00 Invader™ PTCA Balloon Catheter	4.00	12 - 15 - 17 - 20 - 22 - 25 - 28 - 30 - 34
4.50 Invader™ PTCA Balloon Catheter	4.50	8 - 12 - 15 - 17 - 20 - 22
Invader™ PTCA Balloon Catheter > Nominal Balloon Pressure [atm] = 8 atm		
Invader™ PTCA Balloon Catheter > Rated Burst Pressure [atm] = 16 atm		



INVADER™ PTCA

BALLOON CATHETER \



INVADER™ PTCA

BALLOON CATHETER \

april 2010

FROM GENIUS IDEAS TO HI-TECH INNOVATIONS

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0006

- 001 CORACTO
- 002 EPHEOS™ II
- 003 CONSTANT
- 004 COMMANDER
- 005 TURQUOISE™ PTCA
- 006 INVADER™ PTCA
- 007 INVADER™ CTO
- 008 ALVIGUIDE
- 009 ALVISION
- 010 CORAXEL

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INVADER™ PTCA

BALLOON CATHETER \

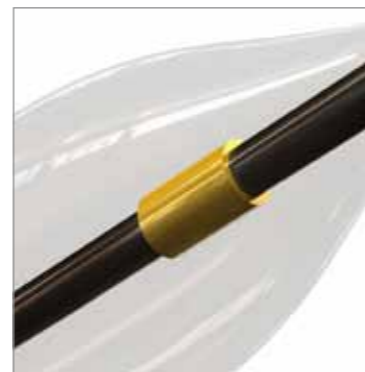
Lowest entry profile for difficult lesions

> 0.0158" entry profile

Invader™ PTCA Balloon Catheter has the lowest entry profile and optimum balloon profile appropriate for subtotal lesions. Hydrophilic coated shaft and carbon reinforced inner lumen provides effective crossability and pushability.



balloon product information



Marker Band Design

Special marker band design assures minimal cross section resistance while entering the occlusion.



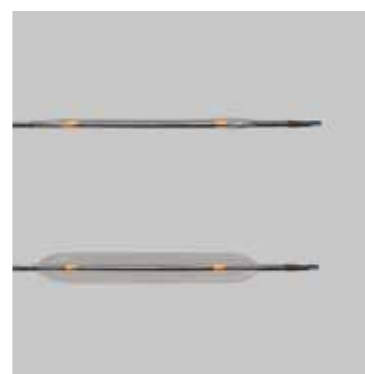
Pushability

The Invader™ PTCA Balloon Catheter has highly increased pushability due to the carbon reinforced inner lumen and hydrophilic coating.



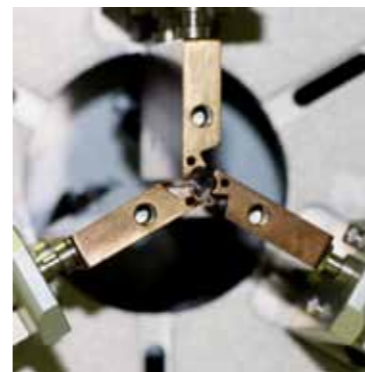
Tip Form

The oval shaped tapered soft tip of Invader™ PTCA Balloon Catheter facilitates a safe and easy entry into the lesion.



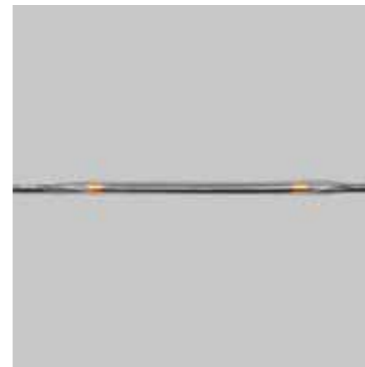
Homogeneous Balloon Expansion

The Invader™ PTCA Balloon Catheter is designed to provide homogeneous balloon expansion throughout the entire balloon length.



Tri-Folding Technique

Invader™ PTCA Balloon Catheter is folded with Tri-folding technique that enables the balloon to be returned to its original shape after deflation.



With the Tri-folding process, the wrapped balloon goes into an advanced thermal memory shape (ATMS) which provides a 20% decrease in balloon profile and increases the tendency for rewinding.



Crossing Profile

The balloon material, minimal cross section resistance of the gold marker bands allow easy crossing of lesions.

Flexibility

The tip entry and crossing profile are designed to access and cross the tortuous lesions with maximum flexibility.

Invader™ PTCA balloon compliance chart

	1.50 mm	2.00 mm	2.50 mm	2.75 mm	3.00 mm	3.50 mm	4.00 mm	4.50 mm	
pressure	diameter	diameter	diameter	diameter	diameter	diameter	diameter	diameter	
[atm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
4.0	1.40	1.79	2.35	2.58	2.74	3.21	3.78	4.30	
5.0	1.43	1.84	2.40	2.64	2.85	3.29	3.83	4.36	
6.0	1.45	1.90	2.45	2.69	2.90	3.38	3.90	4.41	
7.0	1.48	1.96	2.48	2.72	2.94	3.45	3.95	4.46	
8.0	NOM	1.50	2.00	2.50	2.75	3.00	3.50	4.00	4.50
9.0	1.52	2.06	2.53	2.81	3.05	3.55	4.03	4.52	
10.0	1.54	2.09	2.56	2.84	3.08	3.59	4.06	4.54	
11.0	1.56	2.14	2.60	2.87	3.11	3.65	4.09	4.57	
12.0	1.58	2.17	2.62	2.89	3.15	3.70	4.11	4.60	
13.0	1.60	2.20	2.65	2.91	3.18	3.75	4.14	4.62	
14.0	1.61	2.23	2.68	2.93	3.22	3.80	4.17	4.64	
15.0	1.62	2.25	2.70	2.95	3.25	3.84	4.20	4.66	
16.0	RBP	1.64	2.28	2.74	2.97	3.28	3.91	4.23	4.69
17.0	1.66	2.30	2.77	3.00	3.32	3.94	4.26	4.71	
18.0	1.69	2.32	2.81	3.03	3.36	3.99	4.29	4.73	
19.0	1.78	2.34	2.84	3.06	3.40	4.04	4.32	4.75	
20.0	1.92	2.36	2.87	3.10	3.43	4.08	4.36	4.78	
21.0	2.02	2.37	2.91	3.14	3.46	4.14	4.40	4.81	
22.0	ABP	2.06	2.39	2.94	3.19	3.49	4.19	4.44	4.85

NOM > NOMINAL PRESSURE
RBP > RATED BURST PRESSURE
ABP > AVERAGE BURST PRESSURE

ENTRY PROFILE	> 0.0158"
BALLOON SHAFT	> 150 cm
COATING	> HYDROPHILIC WITH AN EXCLUSION OF 45cm FROM PROXIMAL TO DISTAL AND EFFECTIVE BALLOON LENGTH