

product name	balloon dimensions	
	diameter [mm]	lengths [mm]
1.25 Invader™ CTO Balloon Catheter	1.25	10 - 15 - 20
1.50 Invader™ CTO Balloon Catheter	1.50	10 - 15 - 20
2.00 Invader™ CTO Balloon Catheter	2.00	10 - 15 - 20 - 25
Invader™ CTO Balloon Catheter	> Nominal Balloon Pressure [atm] = 6 atm	
Invader™ CTO Balloon Catheter	> Rated Burst Pressure [atm] = 14 atm	



INVADER™ CTO

BALLOON CATHETER \



INVADER™ CTO

BALLOON CATHETER \

april 2010

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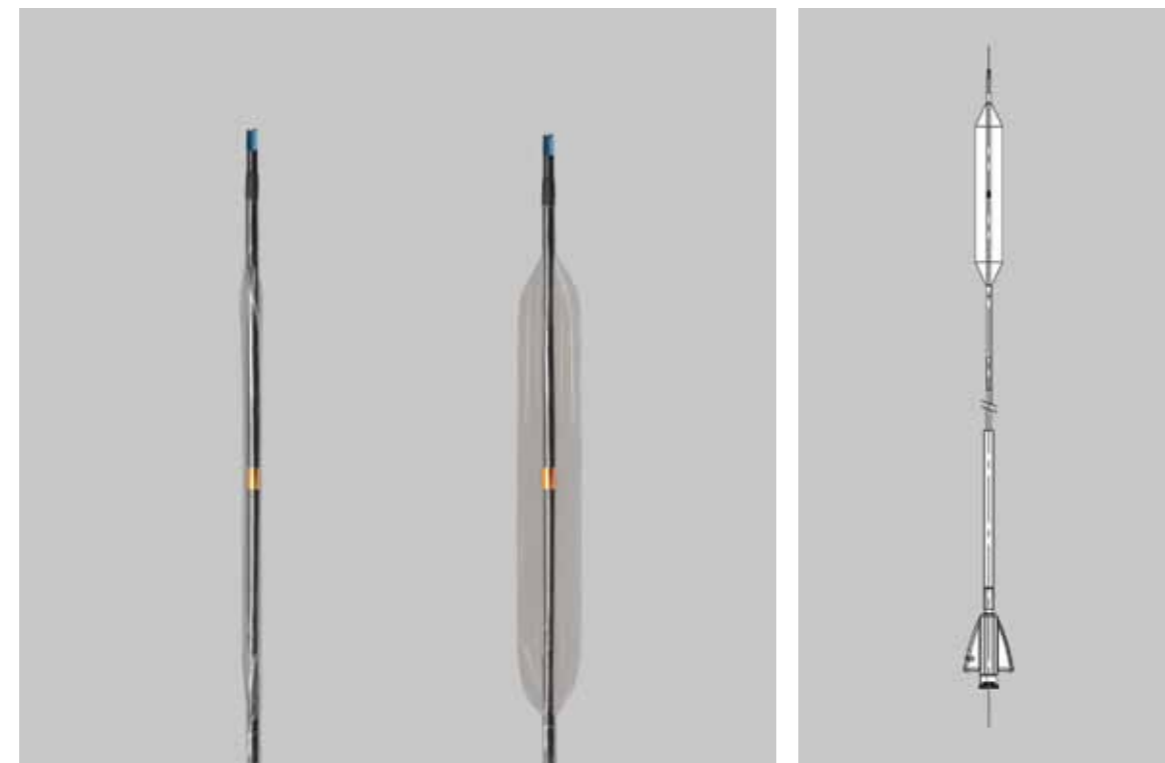
INVADER™ CTO

BALLOON CATHETER

Designed to cross Chronic Total Occlusion

> 0.0158" entry profile

0.40 mm diameter soft tip form has been designed to cross Chronic Total Occlusions. Invader™ CTO Balloon Catheter provides easy access through totally occluded coronary arteries with a 0.0158" oval shaped soft tip design.

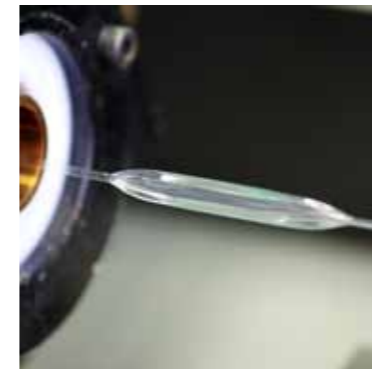


balloon product information



Marker Band Design

Special marker band design of the balloon catheter provides minimum cross section resistance while entering the occlusions.



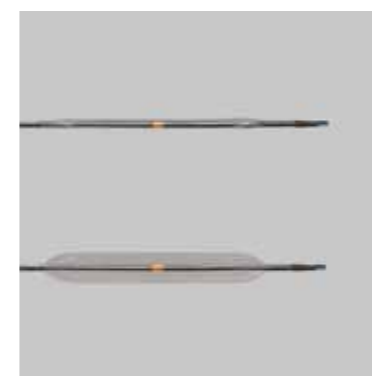
Crossing Profile

Low profile tip, extra support shaft design and flexible balloon material ensure access and an easy crossing through the Chronic Total Occlusions with maximum crossability and the least resistance.



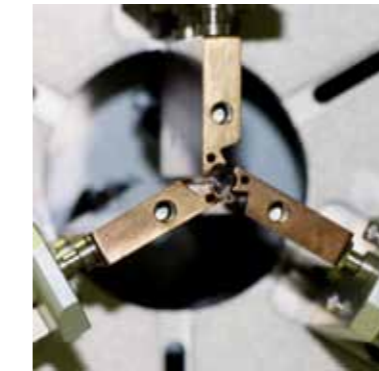
Tip Form

0.40 mm diameter soft tip form is designed to cross Chronic Total Occlusions.



Homogeneous Balloon Expansion

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



Tri-Folding Technique

Invader™ CTO 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.



Flexibility

The Invader™ CTO Balloon Catheter has high flexibility due to its balloon material and annealed hypotube design.

Pushability

The Invader CTO™ Balloon Catheter has highly increased pushability due to the carbon reinforced inner lumen and high strength hydrophilic coated shaft.

Soft Crossing

The combination of balloon material, a soft tip design and the centrally located minimum cross section resistance bearing gold marker band results in soft crossing of the Invader™ CTO Balloon Catheter.

Invader™ CTO balloon compliance chart

	1.25 mm	1.50 mm	2.00 mm
pressure	diameter	diameter	diameter
[atm]	[mm]	[mm]	[mm]
4.0	1.16	1.41	1.94
5.0	1.19	1.44	1.98
6.0	NOM	1.25	1.50
7.0	1.30	1.55	2.05
8.0	1.33	1.58	2.09
9.0	1.37	1.62	2.11
10.0	1.40	1.65	2.14
11.0	1.43	1.68	2.16
12.0	1.46	1.71	2.18
13.0	1.48	1.73	2.21
14.0	RBP	1.50	1.75
15.0	1.53	1.78	2.25
16.0	1.55	1.80	2.28
17.0	1.58	1.83	2.30
18.0	ABP	1.61	1.86
19.0			2.36
20.0			2.38

NOM > NOMINAL PRESSURE

RBP > RATED BURST PRESSURE

ABP > AVERAGE BURST PRESSURE

ENTRY PROFILE > 0.0158"

BALLOON SHAFT > 150 cm

COATING > HYROPHILIC WITH AN EXCLUSION OF 45cm FROM PROXIMAL TO DISTAL AND EFFECTIVE BALLOON LENGTH