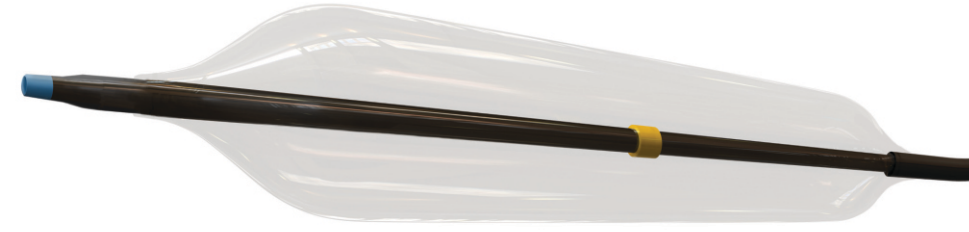


product name	balloon dimensions	
	diameter [mm]	lengths [mm]
1.25 Invader™ CTO Balloon Catheter	1.25	10 - 15 - 20
1.50 Invader™ CTO Balloon Catheter	1.50	10 - 15 - 20
2.00 Invader™ CTO Balloon Catheter	2.00	10 - 15 - 20 - 25
Invader™ CTO Balloon Catheter > Nominal Balloon Pressure [atm] = 6 atm		
Invader™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



INVADER™ CTO

BALLOON CATHETER \



INVADER™ CTO

BALLOON CATHETER \

007

december 2010

FROM INGENIUS IDEAS TO HI-TECH INNOVATIONS

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002 EPHELOS™ II

003 CONSTANT™

004 COMMANDER™

005 TURQUOISE™ PTCA

006 INVADER™ PTCA

007 INVADER™ CTO

008 ALVIGUIDE™

009 ALVISION™

010 CORAXEL™

011 NEVIGUIDE™ PTCA & CTO

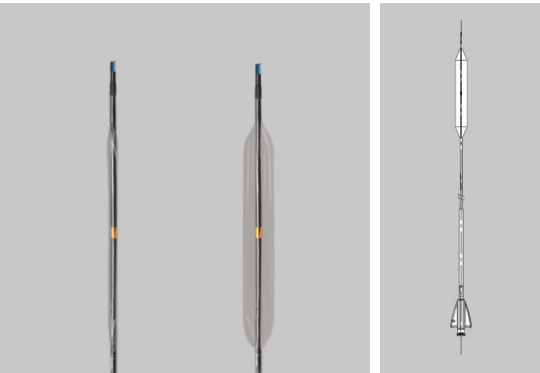
istanbul trakya serbest bölgesi
ferhatpaşa mahallesi | Atatürk bulvarı
manolya sokak | no:7
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Designed to cross
Chronic Total Occlusion

A 3D rendering of a dark brown, textured rod, possibly a stylus or a pen, lying diagonally on a white surface. The rod has a blue tip and a yellow band near the middle. A soft, grey shadow is cast beneath it, extending from the tip towards the bottom right.



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.

Invader™ CTO balloon compliance chart

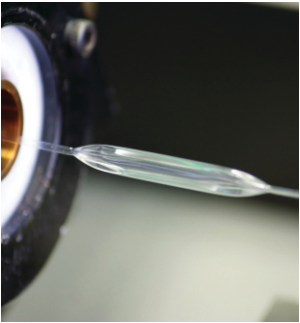
		1.25 mm	1.50 mm	2.00 mm
pressure		diameter	diameter	diameter
[atm]		[mm]	[mm]	[mm]
4.0		1.16	1.41	1.94
5.0		1.19	1.44	1.98
6.0	NOM	1.25	1.50	2.00
7.0		1.30	1.55	2.05
8.0		1.33	1.58	2.09
9.0		1.37	1.62	2.11
10.0		1.40	1.65	2.14
11.0		1.43	1.68	2.16
12.0		1.46	1.71	2.18
13.0		1.48	1.73	2.21
14.0	RBP	1.50	1.75	2.23
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	2.33
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				

balloon product information



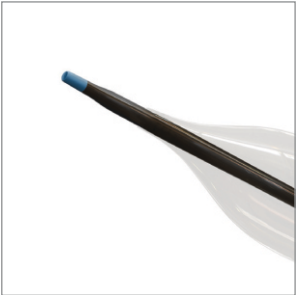
Marker Band Design

Single thin gold marker band design of the balloon catheter provides minimum cross section resistance while entering the CTO



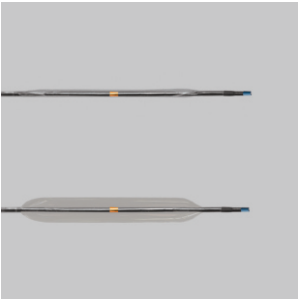
Crossing Profile

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.



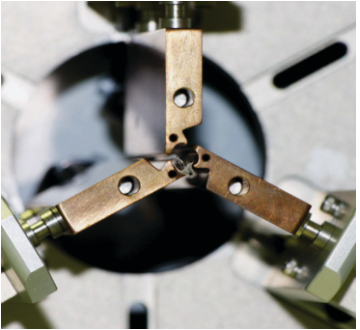
Tip Form

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



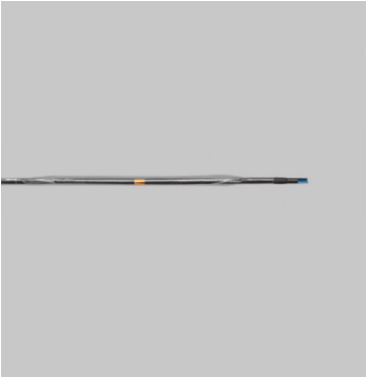
Homogeneous Balloon Expansion

Invasider™ 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 thin gold marker band results in easy crossing of the Invader™ CTO Balloon Catheter.