

iCast

covered stent system

Technical Specifications

Stent Specifications

Stent Material	316L stainless steel
Stent Design	Single stent with open cell design
Stent Covering	Fully encapsulated in ePTFE

Balloon Catheter Specifications

Delivery System	Premounted on balloon catheter
Balloon Type	Non-compliant
Balloon Material	PET
Balloon Nominal Pressure	8 ATM
Rated Burst Pressure	12 ATM
Markers	Gold

Size & Dimensions

Stent Diameters	5 mm-10 mm (see table below)
Stent Lengths	16 mm, 22 mm, 38 mm and 59 mm
Guidewire	.035"
Catheter Shaft Length	80 and 120 cm
Introducer Sheath	6 Fr and 7 Fr

Other

Shelf Life	3 years
Sterilization Method	Ethylene oxide
Use	Single use only
Indications for Use	For improving luminal diameter in patients with symptomatic atherosclerotic disease of the native common and/or external iliac arteries up to 110 mm in length, with a reference vessel diameter of 5 to 10 mm.

Labeled Diameter (mm)	Max. Recommended Post-Dilation (mm)			
	Device Length			
	16 mm	22 mm	38 mm	59 mm
5	7.3	7.3	9.8	9.8
6	7.3	7.3	10.0	10.0
7	7.3	7.3	10.1	10.1
8	-	-	10.2	10.2
9	-	-	10.4	10.4
10	-	-	10.6	-

Balloon Outer Diameter (OD)						
Pressure	5 mm	6 mm	7 mm	8 mm	9 mm	10 mm
Nominal ATM	5.1	6.1	7.1	8.2	9.1	10.2
Rated Burst ATM	5.3	6.3	7.3	8.5	9.4	10.5

iCast Stent Size	Code # 80 cm	Code # 120 cm	Post Nominal Pressure 8ATM (mm)		Post Rated Burst Pressure 12ATM (mm)		Introducer sheath
			OD	Length	OD	Length	
5 x 16	48516	42516	4.9	15.9	5.2	15.6	6 Fr
5 x 22	48522	42522	4.9	21.3	5.2	21.0	6 Fr
5 x 38	48538	42538	5.1	37.2	5.3	37.7	7 Fr
5 x 59	48559	42559	5.0	58.6	5.3	60.0	7 Fr
6 x 16	48616	42616	5.7	15.7	6.2	15.1	6 Fr
6 x 22	48622	42622	5.8	20.8	6.2	20.2	6 Fr
6 x 38	48638	42638	6.0	36.6	6.3	37.0	7 Fr
6 x 59	48659	42659	6.0	57.8	6.3	58.7	7 Fr
7 x 16	48716	42716	6.9	15.0	7.3	14.2	7 Fr
7 x 22	48722	42722	6.9	20.1	7.3	19.4	7 Fr
7 x 38	48738	42738	6.9	35.8	7.3	35.7	7 Fr
7 x 59	48759	42759	7.0	57.1	7.3	57.5	7 Fr
8 x 38	48838	42838	8.1	34.7	8.5	34.7	7 Fr
8 x 59	48859	42859	8.0	56.0	8.4	56.5	7 Fr
9 x 38	48938	42938	8.9	33.7	9.3	32.7	7 Fr
9 x 59	48959	42959	8.9	54.6	9.3	54.0	7 Fr
10 x 38	48038	42038	10.0	30.8	10.4	30.9	7 Fr

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