

# 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.

#### Max. Recommended Post-Dilation (mm)

Labeled Diameter (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	-

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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	Cook GPN 80 cm	Cook RPN/Getinge Iliac Code 80 cm	Cook GPN 120 cm	Cook RPN/Getinge Iliac Code 120 cm	Post Nominal Pressure 8ATM (mm)		Post Rated Burst Pressure 12ATM (mm)		Introducer Compatibility <sup>1</sup>
					OD	Length	OD	Length	
5 x 16 mm	G60480	48516	G60497	42516	4.9	15.9	5.2	15.6	6 Fr
5 x 22 mm	G60481	48522	G60498	42522	4.9	21.3	5.2	21.0	6 Fr
5 x 38 mm	G60482	48538	G60499	42538	5.1	37.2	5.3	37.7	7 Fr
5 x 59 mm	G60483	48559	G60500	42559	5.0	58.6	5.3	60.0	7 Fr
6 x 16 mm	G60484	48616	G60501	42616	5.7	15.7	6.2	15.1	6 Fr
6 x 22 mm	G60485	48622	G60502	42622	5.8	20.8	6.2	20.2	6 Fr
6 x 38 mm	G60486	48638	G60503	42638	6.0	36.6	6.3	37.0	7 Fr
6 x 59 mm	G60487	48659	G60504	42659	6.0	57.8	6.3	58.7	7 Fr
7 x 16 mm	G60488	48716	G60505	42716	6.9	15.0	7.3	14.2	7 Fr
7 x 22 mm	G60489	48722	G60506	42722	6.9	20.1	7.3	19.4	7 Fr
7 x 38 mm	G60490	48738	G60507	42738	6.9	35.8	7.3	35.7	7 Fr
7 x 59 mm	G60491	48759	G60508	42759	7.0	57.1	7.3	57.5	7 Fr
8 x 38 mm	G60492	48838	G60509	42838	8.1	34.7	8.5	34.7	7 Fr
8 x 59 mm	G60493	48859	G60510	42859	8.0	56.0	8.4	56.5	7 Fr
9 x 38 mm	G60494	48938	G60511	42938	8.9	33.7	9.3	32.7	7 Fr
9 x 59 mm	G60495	48959	G60512	42959	8.9	54.6	9.3	54.0	7 Fr
10 x 38 mm	G60496	48038	G60513	42038	10.0	30.8	10.4	30.9	7 Fr

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<sup>1</sup>Note: Increased resistance may be encountered when inserting a 10mm device through a 7 Fr Cook sheath; therefore, it is recommended to upsize to an 8 Fr sheath when a Cook sheath is used with a 10mm device.

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