



Specifications

Stent Technical Specifications

Material	316L stainless steel
Design	Laser-cut
PTFE Porosity	Controlled porosity 100-120 microns

Balloon Catheter Specifications

Delivery System	Premounted on balloon catheter
Balloon Type	Non-compliant
Balloon Material	Proprietary PET blend
Balloon Nominal Pressure	8 ATM
Rated Burst Pressure	12 ATM
Markers	Gold, embedded at end of balloon

Sizes & Dimensions

Stent Expansion Range	5 mm, 6 mm, 7 mm, 8 mm, 9 mm, and 10 mm (ability to post-dilate up to 12 mm*)
Stent Lengths	16 mm, 22 mm, 38 mm and 59 mm
Balloon Lengths	18.9 mm, 24.4 mm, 40.6 mm and 62.2 mm
Guidewire	.035"
Catheter Shaft Size	5FR
Catheter Shaft Length	80 and 120 cm
Introducer Sheath	6FR and 7FR

Others

Shelf Life	3 years
Sterilization Method	Ethylene oxide
Use	Single use only
Indications for Use	For treatment of tracheobronchial strictures

*38 mm & 59 mm lengths only

Expanded Balloon Outer Diameter Reference Table						
ATM	5.00 mm	6.00 mm	7.00 mm	8.00 mm	9.00 mm	10.00 mm
5	5.0	6.0	7.0	8.0	9.0	9.8
6	5.0	6.1	7.1	8.0	9.1	9.8
7	5.0	6.1	7.1	8.1	9.1	9.9
8	5.1	6.1	7.1	8.1	9.1	10.0
9	5.1	6.1	7.2	8.1	9.2	10.1
10	5.1	6.2	7.2	8.2	9.3	10.2
11	5.2	6.2	7.2	8.2	9.3	10.2
12	5.2	6.2	7.3	8.3	9.3	10.3

Nominal Pressure →

Rated Burst Pressure →

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COVE

Recommended Lumen Diameter	Stent	Foreshortened Lengths	
		8 ATM	12 ATM
4.0 – 4.7 mm	5 x 16 mm	15.9 mm	15.9 mm
	5 x 22 mm	21.3 mm	20.9 mm
	5 x 38 mm	37.2 mm	37.0 mm
	5 x 59 mm	58.6 mm	58.1 mm
4.8 – 5.5 mm	6 x 16 mm	15.7 mm	15.3 mm
	6 x 22 mm	20.8 mm	20.4 mm
	6 x 38 mm	36.6 mm	36.3 mm
	6 x 59 mm	57.9 mm	57.7 mm
5.6 – 6.5 mm	7 x 16 mm	15.0 mm	14.7 mm
	7 x 22 mm	19.8 mm	19.6 mm
	7 x 38 mm	35.8 mm	35.5 mm
	7 x 59 mm	57.1 mm	56.8 mm
6.6 – 7.5 mm	8 x 38 mm	34.7 mm	34.4 mm
	8 x 59 mm	56.0 mm	55.6 mm
7.6 – 8.5 mm	9 x 38 mm	33.7 mm	33.3 mm
	9 x 59 mm	54.6 mm	54.4 mm
8.6 – 9.5 mm	10 x 38 mm	31.9 mm	31.3 mm

Product	Code	Diameter	Stent Length (Crimped)	Balloon Length	Introducer Size	Useable Catheter Length
iCAST™	85440	5 mm	16 mm	18.9 mm	6FR	80 cm
iCAST™	85441	5 mm	22 mm	24.4 mm	6FR	80 cm
iCAST™	85400	5 mm	38 mm	40.6 mm	7FR	80 cm
iCAST™	85401	5 mm	59 mm	62.2 mm	7FR	80 cm
iCAST™	85442	6 mm	16mm	18.9 mm	6FR	80 cm
iCAST™	85443	6 mm	22 mm	24.4 mm	6FR	80 cm
iCAST™	85402	6 mm	38 mm	40.6 mm	7FR	80 cm
iCAST™	85403	6 mm	59 mm	62.2 mm	7FR	80 cm
iCAST™	85444	7 mm	16 mm	18.9 mm	7FR	80 cm
iCAST™	85445	7 mm	22 mm	24.4 mm	7FR	80 cm
iCAST™	85404	7 mm	38 mm	40.6 mm	7FR	80 cm
iCAST™	85405	7 mm	59 mm	62.2 mm	7FR	80 cm
iCAST™	85406	8 mm	38 mm	40.6 mm	7FR	80 cm
iCAST™	85407	8 mm	59 mm	62.2 mm	7FR	80 cm
iCAST™	85408	9 mm	38 mm	40.6 mm	7FR	80 cm
iCAST™	85409	9 mm	59 mm	62.2 mm	7FR	80 cm
iCAST™	85420	10 mm	38 mm	40.6 mm	7FR	80 cm
iCAST™	85450	5 mm	16 mm	18.9 mm	6FR	120 cm
iCAST™	85451	5 mm	22 mm	24.4 mm	6FR	120 cm
iCAST™	85410	5 mm	38 mm	40.6 mm	7FR	120 cm
iCAST™	85411	5 mm	59 mm	62.2 mm	7FR	120 cm
iCAST™	85452	6 mm	16 mm	18.9 mm	6FR	120 cm
iCAST™	85453	6 mm	22 mm	24.4 mm	6FR	120 cm
iCAST™	85412	6 mm	38 mm	40.6 mm	7FR	120 cm
iCAST™	85413	6 mm	59 mm	62.2 mm	7FR	120 cm
iCAST™	85454	7 mm	16 mm	18.9 mm	7FR	120 cm
iCAST™	85455	7 mm	22 mm	24.4 mm	7FR	120 cm
iCAST™	85414	7 mm	38 mm	40.6 mm	7FR	120 cm
iCAST™	85415	7 mm	59 mm	62.2 mm	7FR	120 cm
iCAST™	85416	8 mm	38 mm	40.6 mm	7FR	120 cm
iCAST™	85417	8 mm	59 mm	62.2 mm	7FR	120 cm
iCAST™	85418	9 mm	38 mm	40.6 mm	7FR	120 cm
iCAST™	85419	9 mm	59 mm	62.2 mm	7FR	120 cm
iCAST™	85424	10 mm	38 mm	40.6 mm	7FR	120 cm