

CP Stent®

Coarctation of the Aorta*

This stent comes in both unmounted and pre-mounted configurations.

Stent Characteristics

The CP Stent® is composed of 0.013" platinum/iridium wire that is arranged in a "zig" pattern that is laser welded at each joint and then over brazed with 24K gold. The 8 zig configuration allows expansion from 12 mm to 24 mm, and the 10 zig configuration allows expansion from 26 mm to 30 mm.

The pre-mounted configuration is the bare CP Stent® mounted on a BIB® Catheter. This system will save the physician the time required to mount the stent on the catheter. All of these stents are mounted by hand at NuMED, Inc.

NuMED recommends using the BIB Stent Placement Catheter.

*** Refer to the Instructions for Use for the complete listing of Indication, Contraindications, Warnings, and Precautions.**



CP Stent® Size Matrix

Configuration (Number of Zigs)	Diameter (mm)	Stent Length (cm)								
		1.6	2.2	2.8	3.4	3.9	4.5	5.0	5.5	6.0
8 ZIG	12	✓	✓	✓	✓	✓	✓	✓	✓	✓
	14	✓	✓	✓	✓	✓	✓	✓	✓	✓
	15	✓	✓	✓	✓	✓	✓	✓	✓	✓
	16	✓	✓	✓	✓	✓	✓	✓	✓	✓
	18	✓	✓	✓	✓	✓	✓	✓	✓	✓
	20	✓	✓	✓	✓	✓	✓	✓	✓	✓
	22	✓	✓	✓	✓	✓	✓	✓	✓	✓
	24	✓	✓	✓	✓	✓	✓	✓	✓	✓
10 ZIG	26					✓	✓	✓	✓	✓
	28					✓	✓	✓	✓	✓
	30					✓	✓	✓	✓	✓

CP Stent® Specifications

Stent Length (CM)	Configuration (Number of Zigs)	Bare Stent Catalog No.
1.6	8	CP8Z16
2.2	8	CP8Z22
2.8	8	CP8Z28
3.4	8	CP8Z34
3.9	8	CP8Z39
4.5	8	CP8Z45
5.0	8	CP8Z50
5.5	8	CP8Z55
6.0	8	CP8Z60
3.9	10	CP10Z39
4.5	10	CP10Z45
5.0	10	CP10Z50
5.5	10	CP10Z55
6.0	10	CP10Z60

Number of Zigs on Stent	BIB Delivery Catheter Balloon Diameter	Required Introducer with Bare CP Stent
8	12MM	10F
	14MM	10F
	15MM	11F
	16MM	11F
	18MM	11F
	20MM	12F
	22MM	12F
	24MM	12F
10	26MM	16F
	28MM	16F
	30MM	16F

Mounted CP Stent System Specifications

Stent Length (cm)	Stent Configuration(Number of Zigs)	Outer Balloon Diameter(mm)	Outer Balloon Length (cm)	Profile (Fr)	Rated Burst (atm)	Mounted CP Stent Catalog Number
1.6	8	12.0	2.5	10	7	MCP001
1.6	8	14.0	2.5	10	6	MCP002
1.6	8	16.0	2.5	11	5	MCP003
2.2	8	12.0	2.5	10	7	MCP004
2.2	8	14.0	2.5	10	6	MCP005
2.2	8	16.0	2.5	11	5	MCP006
2.2	8	18.0	2.5	11	4	MCP007
2.8	8	12.0	3.0	10	7	MCP038
2.8	8	14.0	3.0	10	6	MCP008
2.8	8	16.0	3.0	11	5	MCP009
2.8	8	18.0	3.0	11	4	MCP010
2.8	8	20.0	3.0	12	4	MCP011
3.4	8	12.0	3.5	10	7	MCP035
3.4	8	14.0	3.5	10	6	MCP012
3.4	8	16.0	3.5	11	5	MCP013
3.4	8	18.0	3.5	11	4	MCP014
3.4	8	20.0	3.5	12	4	MCP015
3.4	8	22.0	3.5	12	3	MCP016
3.9	8	12.0	4.0	10	7	MCP036
3.9	8	14.0	4.0	10	6	MCP017
3.9	8	16.0	4.0	11	5	MCP018
3.9	8	18.0	4.0	11	4	MCP019
3.9	8	20.0	4.0	12	4	MCP020
3.9	8	22.0	4.0	12	3	MCP021
3.9	8	24.0	4.0	12	3	MCP022
4.5	8	14.0	4.5	10	6	MCP023
4.5	8	16.0	4.5	11	5	MCP024
4.5	8	18.0	4.5	11	4	MCP025
4.5	8	20.0	4.5	12	4	MCP026
4.5	8	22.0	4.5	12	3	MCP027
4.5	8	24.0	4.5	12	3	MCP028
4.5	8	12.0	5.0	10	7	MCP037
4.5	8	14.0	5.0	10	6	MCP029
4.5	8	16.0	5.0	11	5	MCP030
4.5	8	18.0	5.0	11	4	MCP031
4.5	8	20.0	5.0	12	4	MCP032
4.5	8	22.0	5.0	12	3	MCP033
4.5	8	24.0	5.0	12	3	MCP034
5.0	8	12.0	5.5	10	7	MCP059
5.0	8	14.0	5.5	10	6	MCP060
5.0	8	16.0	5.5	11	5	MCP061
5.0	8	18.0	5.5	11	4	MCP062
5.0	8	20.0	5.5	12	4	MCP063
5.0	8	22.0	5.5	12	3	MCP064
5.0	8	24.0	5.5	12	3	MCP065
5.5	8	12.0	6.0	10	7	MCP066
5.5	8	14.0	6.0	10	6	MCP067
5.5	8	16.0	6.0	11	5	MCP068
5.5	8	18.0	6.0	11	4	MCP069
5.5	8	20.0	6.0	12	4	MCP070
5.5	8	22.0	6.0	12	3	MCP071
5.5	8	24.0	6.0	12	3	MCP072
6.0	8	12.0	6.0	10	7	MCP073
6.0	8	14.0	6.0	10	6	MCP074
6.0	8	16.0	6.0	11	5	MCP075
6.0	8	18.0	6.0	11	4	MCP076
6.0	8	20.0	6.0	12	4	MCP077
6.0	8	22.0	6.0	12	3	MCP078
6.0	8	24.0	6.0	12	3	MCP079
3.9	10	26.0	4.0	16	3	MCP040
3.9	10	28.0	4.0	16	2	MCP041
3.9	10	30.0	4.0	16	2	MCP042
4.5	10	26.0	5.0	16	3	MCP044
4.5	10	28.0	5.0	16	2	MCP045
4.5	10	30.0	5.0	16	2	MCP046
5.0	10	26.0	5.5	16	3	MCP048
5.0	10	28.0	5.5	16	2	MCP049
5.0	10	30.0	5.5	16	2	MCP050
5.5	10	26.0	6.0	16	3	MCP052

5.5	10	28.0	6.0	16	2	MCP053
5.5	10	30.0	6.0	16	2	MCP054
6.0	10	26.0	6.0	16	3	MCP056
6.0	10	28.0	6.0	16	2	MCP057
6.0	10	30.0	6.0	16	2	MCP058

All catheters have a usable length of 110cm and use a 0.035” Guidewire

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CP Stent® Balloon Sizing Chart

INNER BALLOON	Balloon Pressure (atm)	8 zig Stent Configuration								10 zig Stent Configuration		
		12mm Diameter	14mm Diameter	15mm Diameter	16mm Diameter	18mm Diameter	20mm Diameter	22mm Diameter	24mm Diameter	26mm Diameter	28mm Diameter	30mm Diameter
	1	2.75	3.22	3.49	3.75	3.94	4.02	4.2	4.28	10.25	10.94	11.96
	2	2.85	3.32	3.59	3.85	4.36	4.13	4.33	4.5	10.77	11.39	12.42
	3	5.85	6.91	6.89	7.79	8.54	9.2	10.16	10.57	11.27	11.87	12.89
	4	6.12	7	7.02	7.95	8.71	9.63	10.4	11.08	12.05	12.97	13.81
	4.5							10.84	11.94			
	5	6.2	7.08	7.1	8.04	8.91	10					

OUTER BALLOON	Balloon Pressure (atm)	8 zig Stent Configuration								10 zig Stent Configuration		
		12mm Diameter	14mm Diameter	15mm Diameter	16mm Diameter	18mm Diameter	20mm Diameter	22mm Diameter	24mm Diameter	26mm Diameter	28mm Diameter	30mm Diameter
	0.5										22.85	24.84
	1	10.73	13.08	13.45	14.87	16.85	17.91	20.52	22.79	21.62	23.87	25.8
	1.5										24.87	26.81
	2	10.86	13.27	14.16	15.1	17.06	18.38	21.46	23.95	23.34	27.44	29.94
	3	11.15	13.5	14.55	15.68	17.64	19.42	21.98	24.68	25.44		
	4	11.33	13.68	14.88	15.93	18.06	20.07					
	5	11.62	13.87	15.06	16.19							
	6	11.8	13.98									
	7	12.04										

CP Stent® Foreshortening Chart

Stent Configuration (Number of Zigs)	Inflated Balloon Diameter (mm)	Stent Length (cm)									
		1.6	2.2	2.8	3.4	3.9	4.5	5	5.5	6	
		Stent Length After Expansion (PERCENTAGE SHORTENING)									
8 ZIG	12	1.61cm (2.8%)	2.18cm (0.8%)	2.62cm (4.4%)	3.23cm (3.1%)	3.72cm (1.9%)	4.17cm (3.8%)	4.71cm (6.2%)	5.25cm (5.0%)	5.84cm (4.5%)	
	14	1.54cm (6.5%)	2.08cm (5.4%)	2.56cm (6.8%)	3.15cm (5.4%)	3.66cm (3.6%)	3.97cm (8.4%)	4.58cm (8.7%)	5.11cm (7.6%)	5.67cm (7.3%)	
	15	1.51cm (8.5%)	2.02cm (7.9%)	2.51cm (8.6%)	3.10cm (7.0%)	3.54cm (6.6%)	3.94cm (9.2%)	4.50cm (10.3%)	4.98cm (10.0%)	5.55cm (9.2%)	
	16	1.48cm (10.6%)	1.98cm (10.1%)	2.45cm (10.7%)	3.00cm (9.8%)	3.48cm (8.2%)	3.84cm (11.4%)	4.42cm (11.9%)	4.91cm (11.2%)	5.43cm (11.2%)	
	18	1.43cm (13.7%)	1.89cm (14.0%)	2.38cm (13.3%)	2.88cm (13.5%)	3.20cm (15.6%)	3.71cm (14.5%)	4.21cm (16.1%)	4.70cm (15.1%)	5.20cm (14.9%)	
	20	1.32cm (20.0%)	1.80cm (17.9%)	2.30cm (16.3%)	2.63cm (20.9%)	2.96cm (21.9%)	3.27cm (24.7%)	3.96cm (21.0%)	4.43cm (20.0%)	4.92cm (19.5%)	
	22	1.23cm (25.4%)	1.67cm (23.9%)	2.09cm (24.0%)	2.46cm (26.0%)	2.85cm (25.0%)	3.15cm (27.3%)	3.71cm (26.0%)	4.09cm (26.1%)	4.55cm (25.5%)	
	24	1.05cm (36.4%)	1.46cm (33.8%)	1.91cm (30.3%)	2.07cm (37.9%)	2.27cm (40.1%)	2.83cm (34.9%)	3.33cm (33.5%)	3.72cm (32.8%)	4.14cm (32.3%)	
10 Zig	26					3.17cm (18.33%)	3.44m (22.09%)	4.10cm (17.34%)	4.24cm (23.32%)	4.85cm (20.20%)	
	28					2.96cm (23.68%)	3.24cm (26.75%)	3.71cm (25.11%)	4.00cm (27.58%)	4.39cm (27.87%)	
	30					2.58cm (33.45%)	3.09cm (30.16%)	3.26cm (34.34%)	3.64cm (34.17%)	4.11cm (32.55%)	

SAFETY AND EFFECTIVENESS CLINICAL DATA:

Coarctation Of the Aorta Stent Trial (COAST: NCT00552812) The CP Stent® was tested and found to be safe and effective to widen the narrow part of the aorta related to coarctation of the aorta.

Reference the IFU for a complete listing of indications, contraindications, warnings and precautions.

The devices listed have CE mark approval. Any customer or distributor outside of the EU will be subject to their individual country's regulations in regards to the importation and sale of these products.

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