

CE 1434

**nano**  
Empowering Clinicians, Transforming Lives



# ***SIROMOUNT***

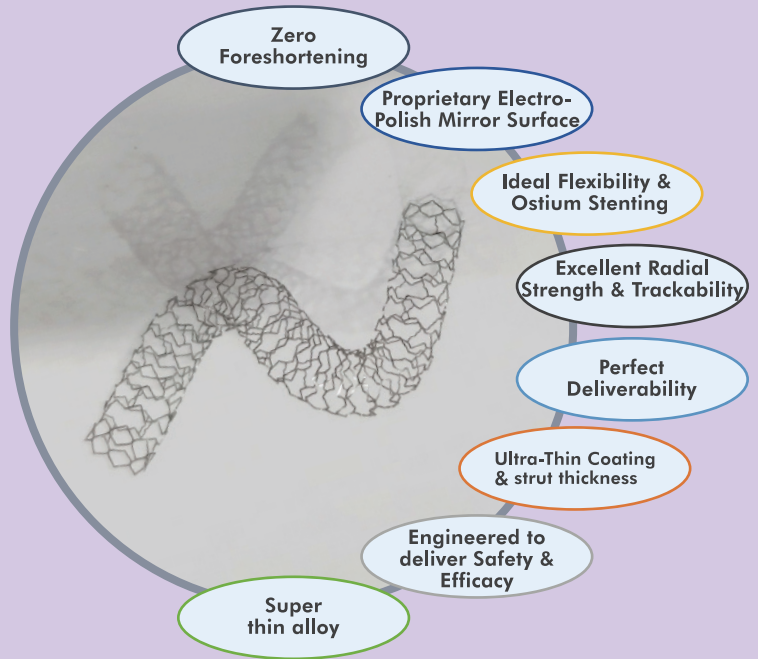
Sirolimus Eluting Coronary Stent System

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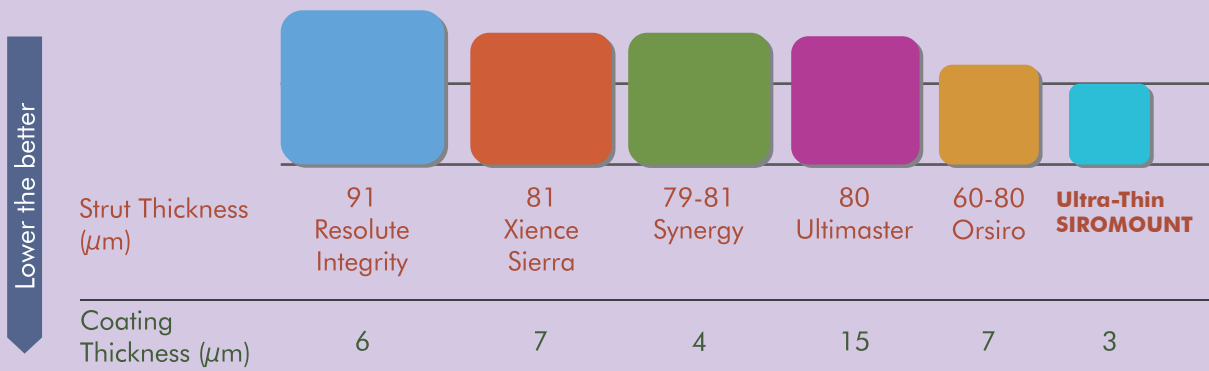
## UNIQUE FEATURES OF SIROMOUNT STENT

The next generation Ultra Thin Low Injury DES design, engineered to deliver Safety & Efficacy, with the proven efficacy of Sirolimus Drug, fully biodegradable polymers and Proprietary Electro-Polish CoCr platform.



## ULTRA THIN STRUT THICKNESS OF SIROMOUNT STENT

Ultra thin strut thickness increases flexibility, reduces stent profile, improves trackability and easy access of complex lesion sites. It reduces stent-induced arterial injury and inflammation and facilitate faster endothelialization

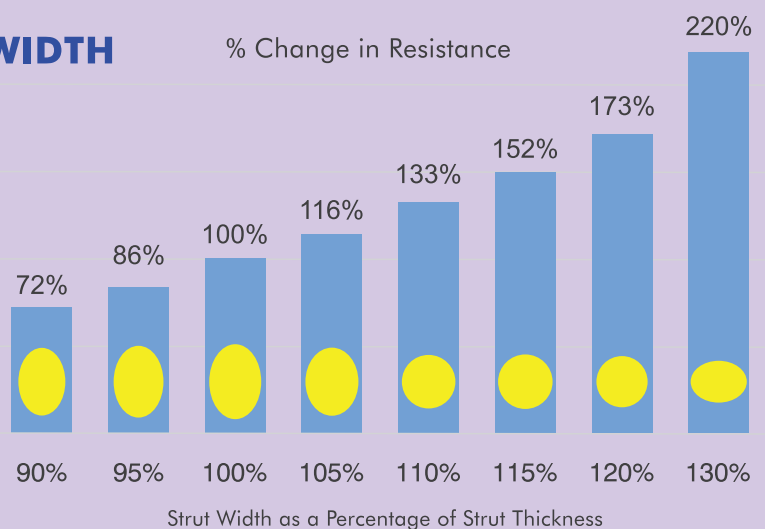


Strut shape and thickness are for graphical representation purpose - not to scale

## STRUT THICKNESS & STRUT WIDTH

Width > Thickness = ↑ Radial Strength

Engineering beam strength equation demonstrates that a 30% increase in width would result in a 2x increase in resistance.

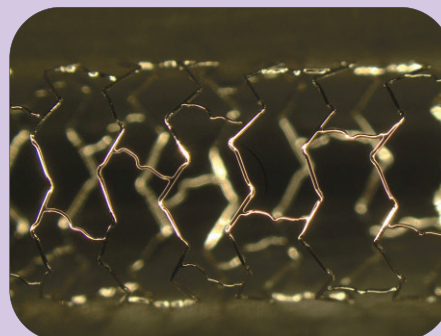


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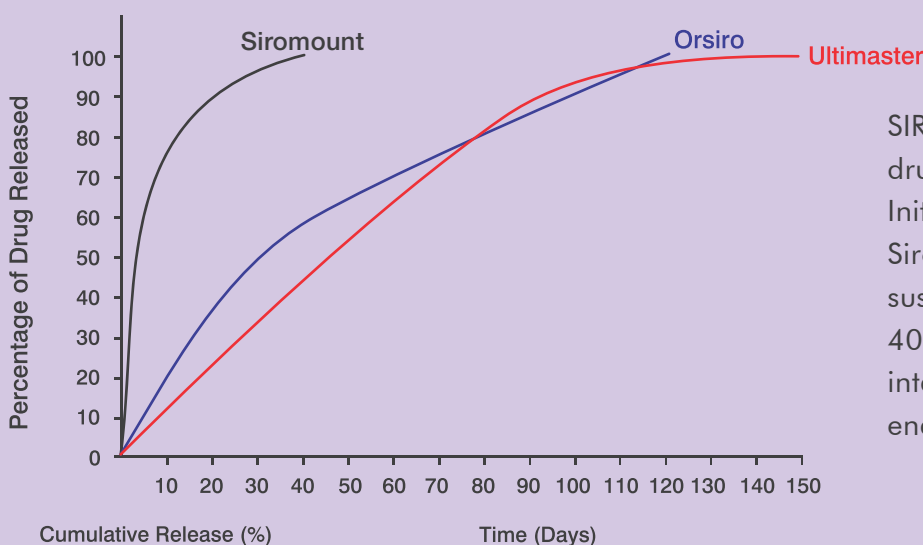
Sirolimus Eluting Coronary Stent System

## OVER EXPANSION

No Structural deformation on over expansion (upto 5.00 mm) of the SIROMOUNT Stent Platform shows high resistance against arterial pressure and radial force.

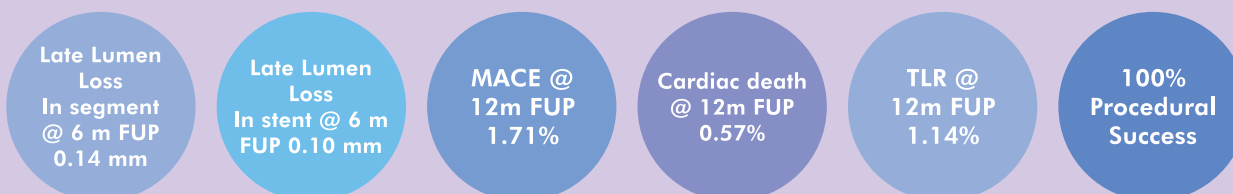


## DRUG RELEASE KINETICS



SIROMOUNT has proven drug release kinetics. Initial burst release of Sirolimus followed by sustained release upto 40 days results in optimum intake of the drug and faster endothelialization.

## EXCEPTIONAL SAFETY OF SIROMOUNT STENT



## COMPARISON BETWEEN SES PMS AND OTHER DES

Stent Name	Mace	Late loss (mm)	Cardiac death	TLR
SES PMS (6 month) (n=200)	1.50%	0.10 (at 6 month)	0.50%	1.00%
SES PMS (1 year) (n=175)	1.71%	0.10 (at 6 month)	0.57%	1.14%
Xience V, spirit II (n=223) (1 year)	2.7%	0.19 (at 6 months)	0%	1.8%
Xience V, spirit II (n=223) (2 year)	6.4%	0.19 (at 6 months)	0.5%	3.7%
Endeavour resolute (n=130) (1 year)	8.5%	0.22 (at 9 months)	0.80%	0.8%
Biomatrix (80 biomatrix subjects) (6 month)	3.8%	0.19 (at 6 months)	0%	1.3%
Biomatrix (80 biomatrix subjects) (1 year)	5.1%	0.19 (at 6 months)	NA	0.8%
Biomime (n=242) (1 year)	5.7%	0.15 (at 8 months)	0.50%	4.7%


## TECHNICAL SPECIFICATIONS

Available Stent Length (mm)	8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48, 50, 52
Available Stent Diameter (mm)	2.00, 2.25, 2.50, 2.75, 3.00, 3.50, 3.75, 4.00, 4.50
Models	6 Cell design: 2.00, 2.25, 2.50, 2.75, 3.00 mm vessel wall 8 Cell design: 3.50, 3.75, 4.00, 4.50 mm vessel wall
Stent Material	A medical grade L605 Cobalt Chromium alloy
Design	Uniform sinusoidal cell design
Stent Strut thickness	65 $\mu\text{m}$
Drug	<b>Sirolimus</b>
Drug Dose	1.33 $\mu\text{g}/\text{mm}^2$
Polymers	Biodegradable Polymer based matrix

## ORDERING INFORMATION

Stent diameter (mm)	Stent length (mm)												
	8	12	16	20	24	28	32	36	40	44	48	50	52
2.00	SM2.0008	SM2.0012	SM2.0016	SM2.0020	SM2.0024	SM2.0028	SM2.0032	SM2.0036	SM2.0040	SM2.0044	SM2.0048	SM2.0050	SM2.0052
2.25	SM2.2508	SM2.2512	SM2.2516	SM2.2520	SM2.2524	SM2.2528	SM2.2532	SM2.2536	SM2.2540	SM2.2544	SM2.2548	SM2.2550	SM2.2552
2.50	SM2.5008	SM2.5012	SM2.5016	SM2.5020	SM2.5024	SM2.5028	SM2.5032	SM2.5036	SM2.5040	SM2.5044	SM2.5048	SM2.5050	SM2.5052
2.75	SM2.7508	SM2.7512	SM2.7516	SM2.7520	SM2.7524	SM2.7528	SM2.7532	SM2.7536	SM2.7540	SM2.7544	SM2.7548	SM2.7550	SM2.7552
3.00	SM3.0008	SM3.0012	SM3.0016	SM3.0020	SM3.0024	SM3.0028	SM3.0032	SM3.0036	SM3.0040	SM3.0044	SM3.0048	SM3.0050	SM3.0052
3.50	SM3.5008	SM3.5012	SM3.5016	SM3.5020	SM3.5024	SM3.5028	SM3.5032	SM3.5036	SM3.5040	SM3.5044	SM3.5048	SM3.5050	SM3.5052
3.75	SM3.7508	SM3.7512	SM3.7516	SM3.7520	SM3.7524	SM3.7528	SM3.7532	SM3.7536	SM3.7540	SM3.7544	SM3.7548	SM3.7550	SM3.7552
4.00	SM4.0008	SM4.0012	SM4.0016	SM4.0020	SM4.0024	SM4.0028	SM4.0032	SM4.0036	SM4.0040	SM4.0044	SM4.0048	SM4.0050	SM4.0052
4.50	SM4.5008	SM4.5012	SM4.5016	SM4.5020	SM4.5024	SM4.5028	SM4.5032	SM4.5036	SM4.5040	SM4.5044	SM4.5048	SM4.5050	SM4.5052

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