

Technical Specifications

Stent	
Stent Material	SS 316 LVM
Strut Thickness	85 µm
Strut Width	90 µm
Foreshortening	<3%
Average Recoil	<3%
Metal to Artery Ratio	~ 14%
Radiopacity	High
Stent Flexibility	Very High
Radial Strength	Good
Delivery System	
Nominal Pressure	8 atm
Rated Burst Pressure	16 atm
Balloon Material	Polyamide
Balloon Folds	Trifolded
Balloon Overhang	Minimal
Average Deflation Time	6 seconds (3.00 x 19)
Guiding Catheter Compatibility	5F (min ID 0.056")
Guide Wire Compatibility	max 0.014"
Catheter Type	Rapid exchange
Proximal Shaft	1.95 F
Distal Shaft	2.7 F

Product Order Information

Stent-Length-mm	Balloon ø mm					
	2.50	2.75	3.00	3.25	3.50	4.00
	Order Number					
12	ESS 2.50-12	ESS 2.75-12	ESS 3.00-12	ESS 3.25-12	ESS 3.50-12	ESS 4.00-12
15	ESS 2.50-15	ESS 2.75-15	ESS 3.00-15	ESS 3.25-15	ESS 3.50-15	ESS 4.00-15
18	ESS 2.50-18	ESS 2.75-18	ESS 3.00-18	ESS 3.25-18	ESS 3.50-18	ESS 4.00-18
24	ESS 2.50-24	ESS 2.75-24	ESS 3.00-24	ESS 3.25-24	ESS 3.50-24	ESS 4.00-24
27	ESS 2.50-27	ESS 2.75-27	ESS 3.00-27	ESS 3.25-27	ESS 3.50-27	ESS 4.00-27
34	ESS 2.50-34	ESS 2.75-34	ESS 3.00-34	ESS 3.25-34	ESS 3.50-34	ESS 4.00-34

CORONARY Stent-Delivery-System

Pressure (atm)	Compliance mm										
	2	4	6	8*	10	12	14	16**	18	20	22
Balloon ø 2.50	2.21	2.31	2.41	2.50	2.56	2.62	2.68	2.74	2.78	2.82	2.86
Balloon ø 2.75	2.46	2.56	2.66	2.75	2.81	2.87	2.93	2.99	3.03	3.07	3.11
Balloon ø 3.00	2.71	2.81	2.91	3.00	3.06	3.12	3.18	3.24	3.29	3.34	3.39
Balloon ø 3.25	2.96	3.06	3.16	3.25	3.31	3.37	3.43	3.49	3.55	3.60	3.66
Balloon ø 3.50	3.21	3.31	3.41	3.50	3.56	3.62	3.68	3.74	3.80	3.86	3.92
Balloon ø 4.00	3.71	3.81	3.91	4.00	4.08	4.16	4.24	4.30	4.36	4.42	4.48

In vitro compliance chart at 37.5 °C

Tolerance +/- 0.10 mm between 6 and 16 atm

* Nominal pressure: 8 atm

** RBP: 16 atm



E-FLEX™

STAINLESS STEEL CORONARY STENT SYSTEM



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E-FLEX stands for: EXTRA EDGE

- ♥ **E**ase of access to side branch
- ♥ **D**eliverability
- ♥ **G**reat radial strength with proven 316L SS stent
- ♥ **E**xtra edge with low strut thickness of 0.0034"

E-FLEX – The convincing features

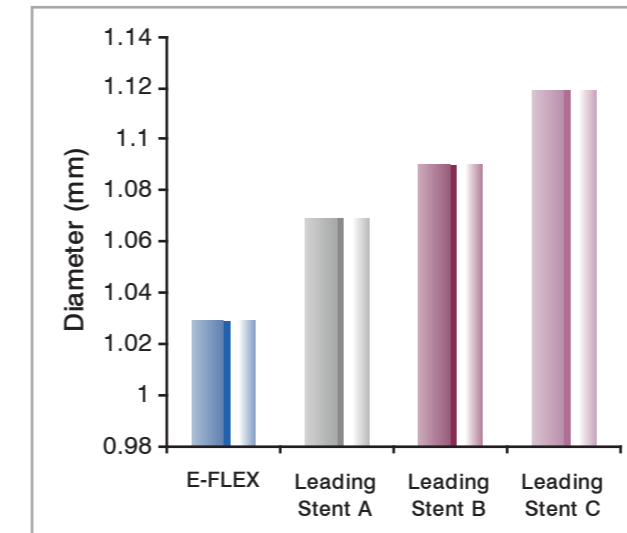
- ♥ Nominal pressure – 8 atm to RBP 16 atm – wide range of choice for physicians to deploy and post dilate at higher pressures in tight lesions
- ♥ The proven 316LVM design provides excellent radial strength and the strut thickness of only 0.0034"
- ♥ Low-Metal to artery ratio makes this stent a good choice in the stainless steel segment, giving very good long-term clinical outcomes
- ♥ Slotted tubular design combined with a strut thickness of only 85µm gives ease of access and good crossability
- ♥ Homogenous stent expansion with brilliant conformability and vessel compliance
- ♥ Excellent longitudinal flexibility in stainless steel segment
- ♥ Marginal foreshortening and recoil

Eminent Deliverability

- ♥ Tri-fold balloon material provides better access to lesion site & balloon positioning
- ♥ Minimal balloon overhang
- ♥ Proven Polyamide design

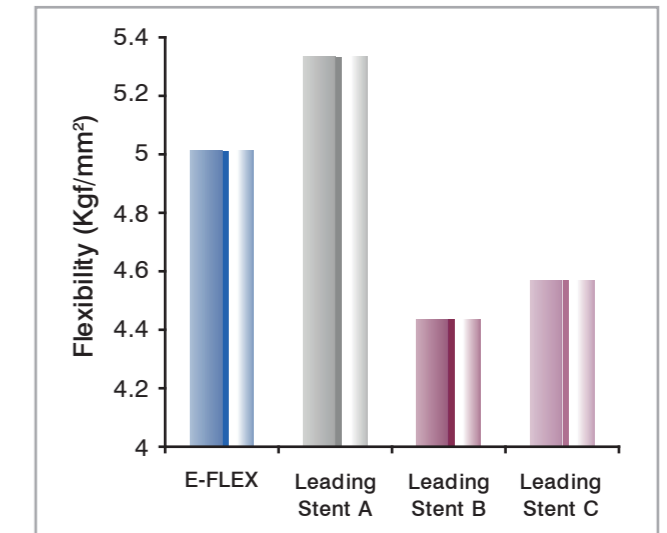
E-FLEX: Excellent flexibility and radial force

Figure 1



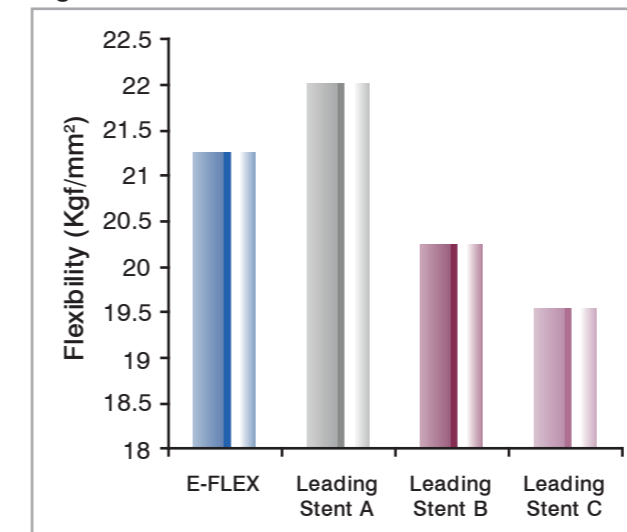
E-FLEX has a lower crossing profile than other leading stent systems (comparison of 3.0 mm stents)

Figure 2



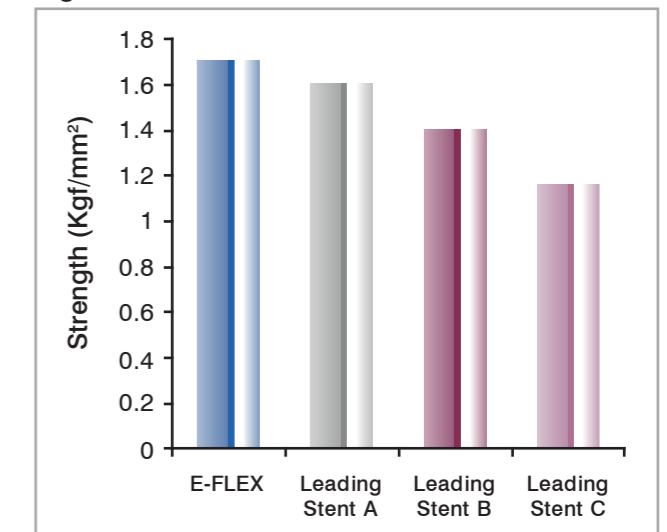
E-FLEX stent system has great flexibility (amount stent system bends, Kgf/mm²) compared to the stent systems of other leading competitors

Figure 3



The expanded E-FLEX stent has great flexibility (amount expanded stent bends, Kgf/mm²) compared to the stent systems of other leading competitors

Figure 4



The expanded E-FLEX stent has great strength (force required to reduce stent diameter in flat plate testing, Kgf/mm²) compared to the stent systems of other leading competitors