

## Technical Specification

Radio-opacity of struts	High
Radio-opacity of markers	Very high
Balloon compliance	Semi-compliant
Entry Profile	0.01 mm
Catheter compatibility	5 Fr
Guide wire compatibility	0.014inch
Balloon winging	Tri-fold
Distal tracking force	Low

## Stent Diameter Compliance

FOREL Sirolimus Eluting Coronary Stent System								
Pressure (Bar)	2.00	2.25	2.50	2.75	3.00	3.50	4.00	4.50
6	1.92	2.11	2.35	2.58	2.80	3.25	3.85	4.41
7	1.94	2.16	2.40	2.64	2.90	3.30	3.90	4.43
8	1.96	2.21	2.46	2.71	2.94	3.40	3.95	4.45
9 (NP)	2.00	2.25	2.50	2.75	3.00	3.50	4.00	4.50
10	2.04	2.34	2.60	2.81	3.07	3.54	4.04	4.52
11	2.08	2.38	2.64	2.86	3.10	3.58	4.08	4.55
12	2.10	2.42	2.68	2.91	3.14	3.62	4.12	4.58
13	2.13	2.44	2.70	2.95	3.18	3.66	4.16	4.60
14	2.16	2.46	2.72	2.98	3.20	3.70	4.20	4.62
15	2.18	2.48	2.74	3.01	3.22	3.74	4.24	4.64
16 (RBP)	2.20	2.50	2.76	3.04	3.24	3.78	4.28	4.67
17	2.22	2.54	2.80	3.07	3.27	3.82	4.32	4.71
18	2.24	2.56	2.82	3.10	3.35	3.86	4.36	4.75
Grey background: NP (Nominal Pressure)					Black background : RBP(Rated Burst Pressure)			

## Ordering Information

Diameter (mm)	8	12	16	20	24	28	32	36	40	44	48
2.00 mm	FO 20008	FO 20012	FO 20016	FO 20020	FO 20024	FO 20028	FO 20032	FO 20036	FO 20040	FO 20044	FO 20048
2.25 mm	FO 22508	FO 22512	FO 22516	FO 22520	FO 22524	FO 22528	FO 22532	FO 22536	FO 22540	FO 22544	FO 22548
2.75 mm	FO 27508	FO 27512	FO 27516	FO 27520	FO 27524	FO 27528	FO 27532	FO 27536	FO 27540	FO 27544	FO 27548
3.00 mm	FO 30008	FO 30012	FO 30016	FO 30020	FO 30024	FO 30028	FO 30032	FO 30036	FO 30040	FO 30044	FO 30048
3.50 mm	FO 35008	FO 35012	FO 35016	FO 35020	FO 35024	FO 35028	FO 35032	FO 35036	FO 35040	FO 35044	FO 35048
4.00 mm	FO 40008	FO 40012	FO 40016	FO 40020	FO 40024	FO 40028	FO 40032	FO 40036	FO 40040	FO 40044	FO 40048
4.50 mm	FO 45008	FO 45012	FO 45016	FO 45020	FO 45024	FO 45028	FO 45032	FO 45036	FO 45040	FO 45044	FO 45048

# FOREL

Sirolimus Eluting Coronary Stent System



New Dimensions of Hybrid Design



Optimal balance of Radial strength, low Strut Thickness & Radio opacity



Bio-compatible polymer combination (PLLA & PDLG)

- Intelligent engineering in Platform Design to reduce edge effect
- Optimum blend of Biodegradable Polymers for Natural Safety
- Controlled navigation on difficult anatomy by merit of Delivery System and Platform design



Marketed by :  
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Manufactured for Cognitive Health Technologies By Veritas Bioventions Pvt. Ltd.



## Forel's Platform - technology deployed for medical challenges

Forel's platform is engineering marvel with unique features to make navigation of the stent easy and safe even through Challenging anatomy. It has a unmet combination of radial strength, ease of side branch access, vessel support and flexibility.

### Hybrid Cell Design -

Forel has Hybrid cell design that has close cells at the end and open cells in middle.  
No. of Crowns 8



### Excellent conformance with vessel wall -

S-shaped links optimizes radial strength and metal to artery ratio for vessel support and provides better arterial support.

Radial strength > 1.6N



### Reduced injury of edges -

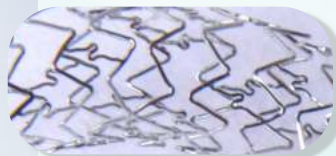
Innovative hybrid design of Forel ensures inflation pressure of the balloon is distributed evenly with uniform stent expansion.

This reduces the "edge effect" of the stent.



### Excellent side branch access -

S-Link at every third crest in the middle segment will ensure wide opening for hardware to pass through in side branch



### Low Bending stiffness (High flexibility) -

Attribute to the stent design and delivery system properties. The stent is highly flexible and easy to navigate in difficult anatomies.

Arc Subscription angle 30°



Material	L605 CoCr
Crimped (Crossing) profile	< 1 mm
Strut thickness of coated strut	0.075 mm
Radial strength	> 1.6 N
Elastic Recoil	< 5%
Foreshortening	< 0.25%
Ferromagnetism	Non ferromagnetic
Radio-opacity of struts	High



• **Unique Coating with LMSC Technique** - LMSC Technique ensures uniform coating throughout the stent length from proximal to distal resulting in uniform drug distribution to address edge injuries.

• **Ultra-Thin uniform coating** - Forel has uniform thin polymer coating of <5 microns. Forel has metallic struts thinly coated without compromising on integrity of coating while crimping and expansion.

• **New generation coating** - Optimum blend of Biodegradable Polymers  
Forel has optimum proportion of PLLA and PDLG on the drug delivery system.

• **"From Thin Polymer to No polymer" in natural way:**

Degraded polymer monomers completely catabolize into carbon dioxide and water shortly following complete elution of drug from the stent within in about 45 days of implantation, confidence of safety profile of a metal stent is resumed.

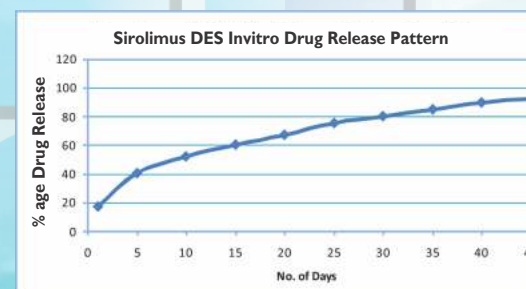
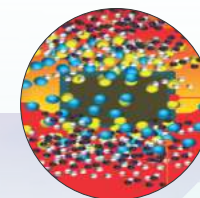
• **Unique Crimping Technology** - Stepless crimping at proximal & distal end ensures smooth entry in to tight lesion.

## Strength of stalwart Drug - Sirolimus



Sirolimus is an effective immunosuppressant and most frequently used hence most proven drug from limus group. Fluence choses to deliver Sirolimus through an optimum blend of biodegradable polymers to make its elution a phenomenal process in controlling restenosis.

Sirolimus or Rapamycin is an effective immunosuppressant and most frequently used hence most proven drug from limus group. Sinew choses to deliver Sirolimus through an optimum blend of biodegradable polymers to make its elution a phenomenal process in controlling restenosis.



Dose of sirolimus 65 to 364 mcg, and is eluted from the stent over 45 Days. Initial 60% of drug is eluted in 15 Days and remaining 40% is exponentially eluted till 45 Days, to prevent restenosis without interfering with re-endothelialization and subsequent healing.