



*TRACK*flex[®]

Sirolimus Eluting Coronary Stent System



Flexibility

Generated Through AI

CE₁₄₃₄

HAPPINESS STARTS WITH HEALTH

Ordering Information

STENT DIAMETER	LENGTH											OVER EXPANSION DATA
	8 mm	13 mm	16 mm	20 mm	24 mm	28 mm	32 mm	36 mm	40 mm	43 mm	47 mm	
2.0 mm	TF20008	TF20013	TF20016	TF20020	TF20024	TF20028	TF20032	TF20036	TF20040	TF20043	TF20047	3.5 mm
2.25 mm	TF22508	TF22513	TF22516	TF22520	TF22524	TF22528	TF22532	TF22536	TF22540	TF22543	TF22547	3.5 mm
2.5 mm	TF25008	TF25013	TF25016	TF25020	TF25024	TF25028	TF25032	TF25036	TF25040	TF25043	TF25047	3.5 mm
2.75 mm	TF27508	TF27513	TF27516	TF27520	TF27524	TF27528	TF27532	TF27536	TF27540	TF27543	TF27547	4.5 mm
3.0 mm	TF30008	TF30013	TF30016	TF30020	TF30024	TF30028	TF30032	TF30036	TF30040	TF30043	TF30047	4.5 mm
3.5 mm	TF35008	TF35013	TF35016	TF35020	TF35024	TF35028	TF35032	TF35036	TF35040	TF35043	TF35047	4.5 mm
4.0 mm	TF40008	TF40013	TF40016	TF40020	TF40024	TF40028	TF40032	TF40036	TF40040	TF40043	TF40047	5.5 mm
4.5 mm	TF45008	TF45013	TF45016	TF45020	TF45024	TF45028	TF45032	TF45036	TF45040	TF45043	TF45047	5.5 mm

Stent Specification

STENT SPECIFICATION

Design	Open cell with unique alternate LDS link	Crossing Profile (mm)	0.038" (3x20mm)
Material	L-605 Cobalt Chromium	Guide Catheter Compatibility	5 F
Drug	Everolimus	Guidewire Compatibility	0.014"
Drug Dose	1.2 μm^2	Nominal Pressure	9 atm
Polymer	Biodegradable and Biocompatible	Rated Burst Pressure	16 atm
Strut Thickness	65 μ	Shaft Length	145 cm
Diameter (mm)	2.2, 2.5, 2.75, 3.3, 3.5, 4 & 4.5	Ballon Overhang	≤ 0.5 mm
Length (mm)	8, 13, 16, 20, 24, 28, 32, 36, 40, 43 & 47	Proximal Shaft Diameter†	2.13 F
Recoil	$\leq 5\%$	Distal Shaft Diameter†	2.7 F
Delivery System	Rapid Exchange		
Tip Entry Profile (mm)	0.016"		



Brought to you by
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Manufacturer

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Our Core Business Introduction

TRACKflex[®]
Sirolimus Eluting Coronary Stent System

Kamal has commissioned 50,000 sq. ft state of the art manufacturing facility at TM Faridabad Haryana. The facility has been built as per International Standard ISO 13485.

Kamal's dedicated 400+workforce, through Amalgamation of innovation and Technology, has enabled introduction of world class quality Products and Devices which have found ready acceptance and sustained support across a broad spectrum of users worldwide. Our Healthcare vertical is committed to your success with Best in Class Medical Devices and Services.



Unique stent design with proven efficacy of Sirolimus Drug and Biodegradable and Biocompatible Polymers resulted into Trackflex with excellent safety & efficacy profile

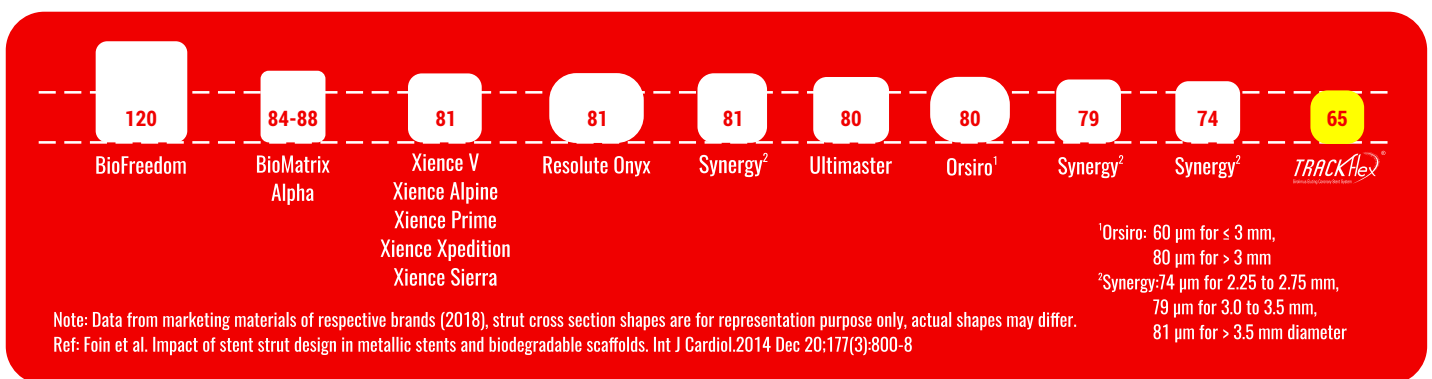
Sirolimus Drug being more lipophilic than other limus family drug, penetrates rapidly at the target lesion and provides rapid cell inhibitory action. Sirolimus stents are well proven to show less restenosis, stent thrombosis and perprocedural myocardial infraction compared to earlier generation of Drug Eluting Stents.



El Cura is a Medical Division
of Kamal Encon

Introducing the Trackflex[®] Sirolimus Eluting Stent system with ultra thin struts and bioabsorbable polymer.

Trackflex[®] is a unique stent which has been designed using artificial intelligence to get the most flexible and deliverable design. It has ultrathin struts of 65 microns with an alternate **long dual S link** which improves flexibility of the stent, transmits push force with higher efficiency, improve overall radial strength and resists longitudinal compression.



Unique blend of hydrophilic-hydrophobic biodegradable polymers to elute Everolimus drug (Bi-Phasic Release)

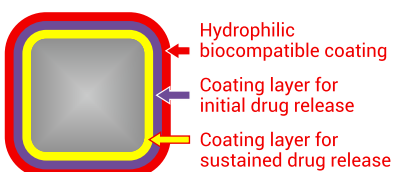
Blend of biodegradable polymers

PLLA: Poly-L-lactide
Hydrophobic

PLCL: Poly L-Lactide-co-Caprolactone
Hydrophobic

PVP: Polyvinyl pyrrolidone
Hydrophilic

Strut cross section

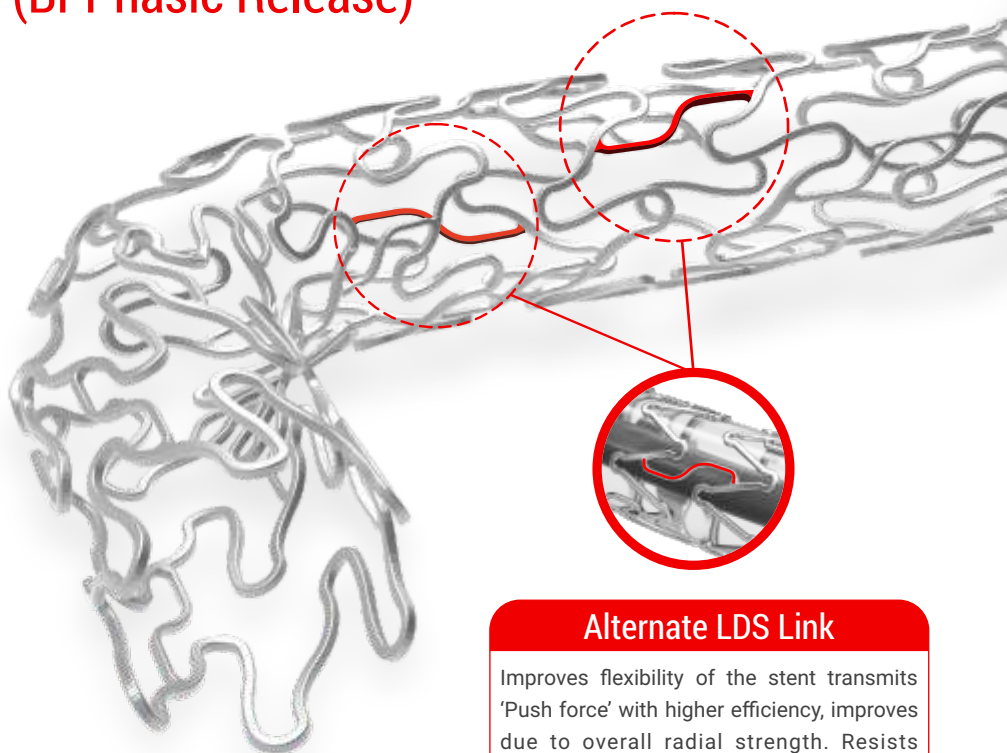


Three layers

Polymer thickness 3-5µm

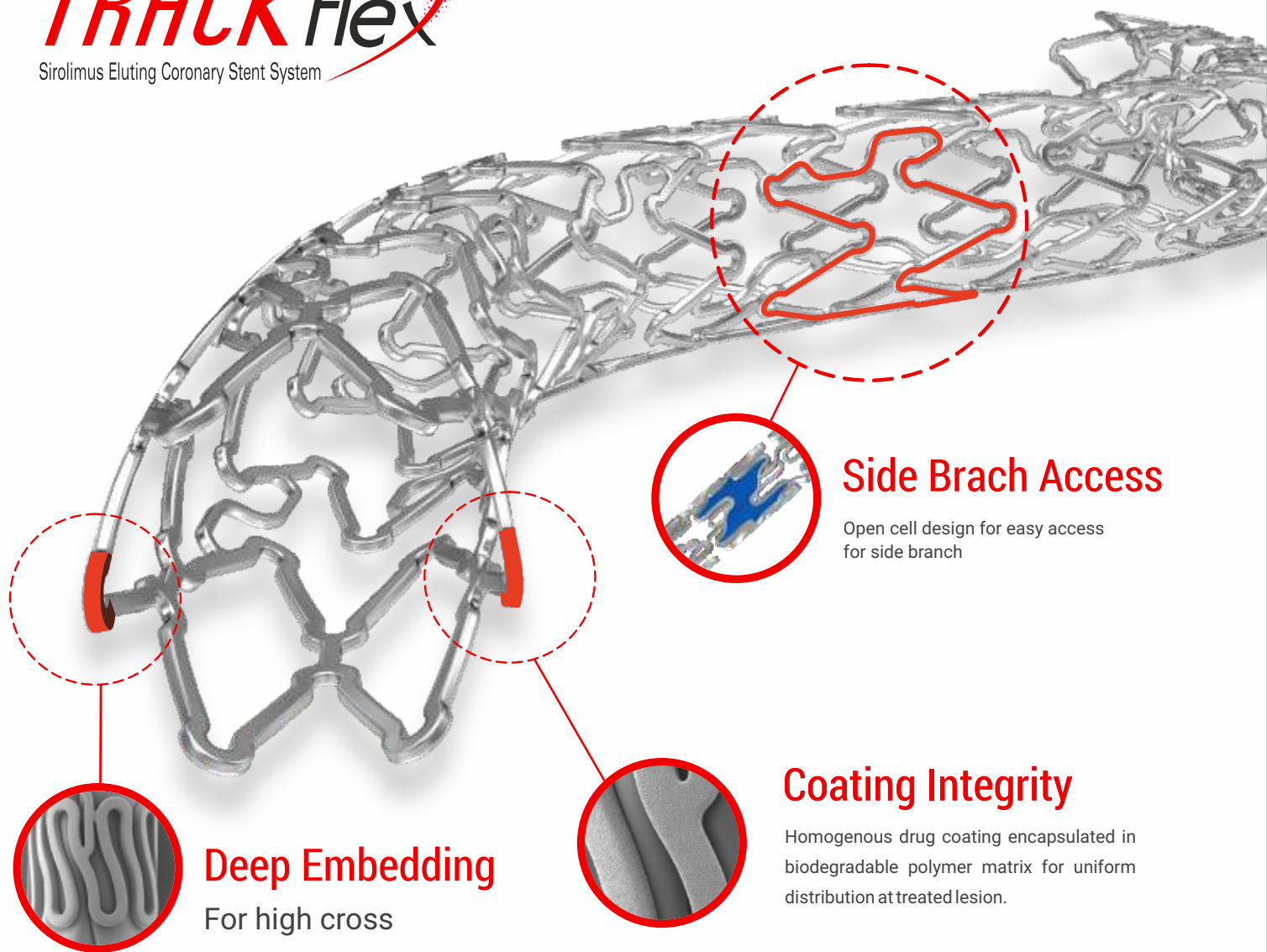
Alternate LDS Link

Improves flexibility of the stent transmits 'Push force' with higher efficiency, improves due to overall radial strength. Resists longitudinal compression **LDS Link**= Long Dual '**S**' Link

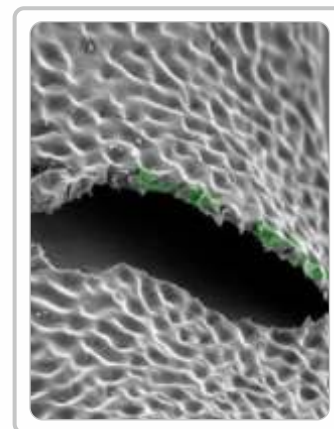
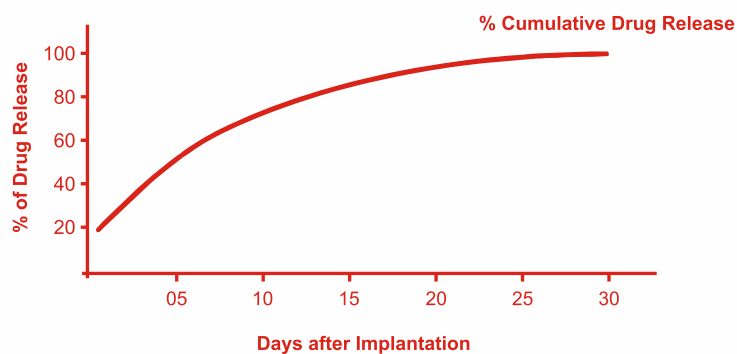


TRACKflex[®]

Sirolimus Eluting Coronary Stent System



Drug Release Profile:

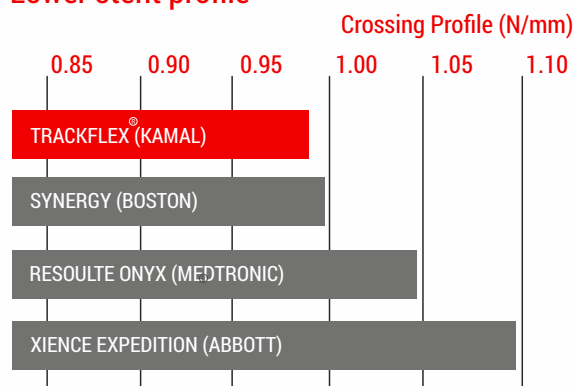


Trackflex[®] has proven drug release kinetics. Initial burst of Trackflex[®] followed by sustained release up to 50 Days. Biodegradable polymers completely degrade by hydrolysis & enzymatic degradation which is eventually excreted from body in form of CO_2 and H_2O .

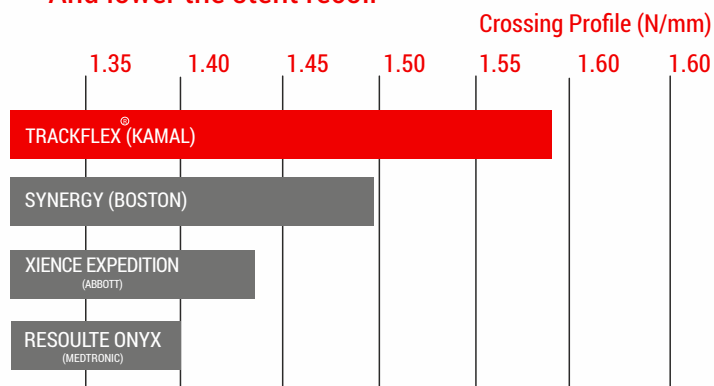
A very fine drug-polymer thickness of 3-5 μm reduces tissue polymer contact which eventually resulted into fast remodelling of artery.

Proprietary blend of Sirolimus drug & Biodegradable polymers provides the initial burst release, following to 80% within 30 days and remaining 20% programmed to get released for 60 days. Release kinetics was designed to enhance the arterial healing process.

Flexibility like never before with
Lower stent profile



Higher the radial strength, stronger the stent
And lower the stent recoil



Key features and benefits for an ideal stent

Ultra thin struts 65 μ	Lower inflammation, faster endothelisation and reduces the risk of stent thrombosis
Biodegradable Polymer	Offers improved vessel healing, long term safety in terms of death, stent thrombosis and myocardial infarction.
Everolimus drug	Time tested and proven drug
Negligible foreshortening	Ideal for ostial and bifurcation lesions
Open cell with alternate long dual S link	Ideal for side branch access and improves flexibility
AI derived stent design	Designed to improve trackability and flexibility of the stent leading to first choice of stent in CHIP cases.
Higher tensile strength	Attributes to kink resistance and flexible performance of SDS
Uniform stent design	Leads to unidirectional stent expansion reducing chances of vessel injury
Wide size matrix (2-4.5 and 8-47 mm)	Offers ideal size for real life cases.
Wavy strut pattern	Contributes to larger angle during expansion eventually leading to better stent flexibility
Ideal overexpansion limits	Leads to treat complex cases with anatomical anomalies.
Ultr low tip profile	Gives resistance free trackability and crossability
Platinum iridium markers	Precisely placed within balloon cones for accurate stent positioning & placement
Low recoil	Avoids the risk of malposition and restenosis