



The Sirolimus-eluting coronary stents (SES) are the most studied drug-eluting stents, with data generated from multiple randomized controlled trials and registries covering acute myocardial infarction (AMI), chronic total occlusions (CTO), diabetes mellitus (DM), in-stent restenosis (ISR) and multivessel disease (MVD). The results of these trials support an impressive reduction of in-stent restenosis and a significant lower incidence rate of Major Adverse Cardiac Events (MACE) compared to bare metal stents.

CORONARY PRODUCT

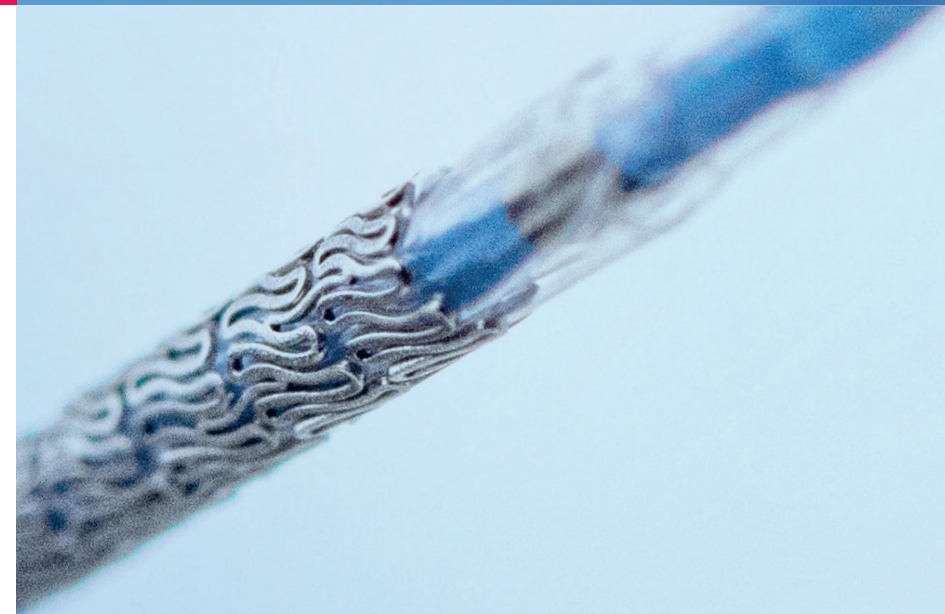
CORONARY PRODUCT

## Sirolimus Eluting Coronary Stent System

# O GONCHO

### DESIGNED WITH A FOCUS ON:

- A drug that reliably blocks smooth muscle cell hyperplasia and reduces vascular inflammation while allowing healing to occur
- A stent design that permits homogenous, stable and predictable drug delivery
- A drug/polymer combination that permits a short antiplatelet therapy
- Uniform scaffolding property
- O GONCHO provides a perfect support and vessel conformability even in bent and most complicated coronaries.



The O GONCHO is an innovative balloon expandable Sirolimus Eluting coronary stent system (SES). Based on a unique cobalt chromium structure and design, the O GONCHO shows high stability, the best radial strength and guarantees optimal flexibility. The unique combination of the highly effective anti-proliferative agent (Sirolimus) with a biodegradable (bioabsorbable) polymer and an open-cell design results in exceptional positive clinical outcomes.



## STENT SPECIFICATIONS

Open cell design with 3 interlinks per segment	
9 crowns per segment	
Cobalt-Chromium L605	
Strut thickness:	65 $\mu\text{m}$
Strut width (interlink):	58 $\mu\text{m}$
Strut width (main segment):	72 $\mu\text{m}$
Foreshortening:	< 2%
Mechanical recoil:	< 5%
Metal coverage:	< 18%

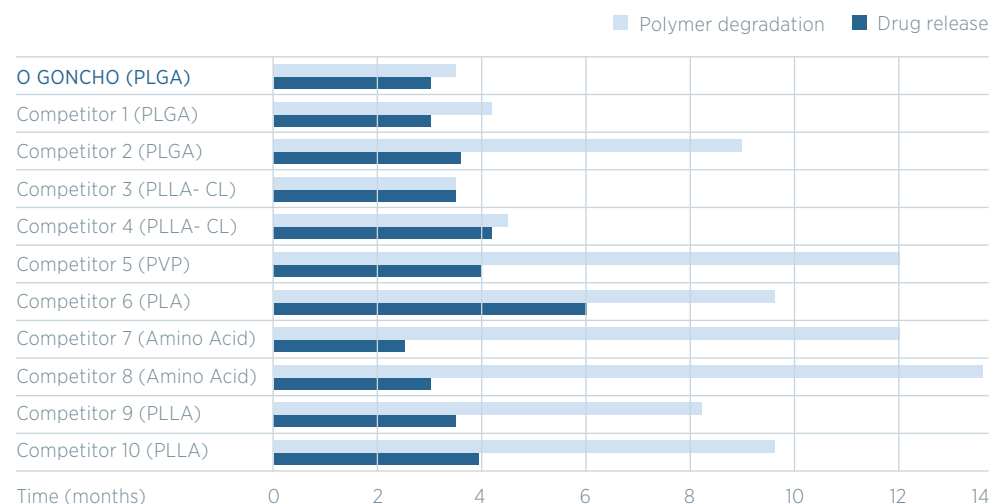
## DRUG SPECIFICATIONS

Matrix thickness:	3-5 $\mu\text{m}$
Drug /Polymer:	Sirolimus / PLGA
Drug dose:	1.4 $\mu\text{g} / \text{mm}^2$

## DELIVERY SYSTEM SPECIFICATIONS

Usable length (UL):	138 cm
Length guidewire lumen:	27 cm
Marker bands:	Embedded platinum/iridium
Tip entry profile:	0.017"
Guidewire:	0.014"
Balloon folding:	2.25-2.50 mm: 2-fold balloon   2.75-4.00 mm 4-fold balloon

## DRUG RELEASE VS POLYMER DEGRADATION



Other bioabsorbable polymers take much more time to absorb resulting in unnecessary prolonged use of antiplatelet therapy. If absorption and drug release have the same kinetics, the controlled drug release is at risk.

## ORDERING INFORMATION

■ UL 138 cm

Ø/L (mm)	8	10	13	16	18	23	28	33	38	43	48
2.25	012	013	014	015	016	017	018	019	020	-	-
2.50	023	024	025	026	027	028	029	030	031	032	033
2.75	034	035	036	037	038	039	040	041	042	043	044
3.00	045	046	047	048	049	050	051	052	053	054	055
3.25	056	057	058	059	060	061	062	063	064	065	066
3.50	067	068	069	070	071	072	073	074	075	076	077
4.00	078	079	080	081	082	083	084	085	086	087	088

O GONCHO product code: FP 080421 - XXX Product code example for O GONCHO 2.50 mm x 10 mm: FP 080421 - 024

## STRUT THICKNESS



O GONCHO has a low strut thickness of 65  $\mu\text{m}$  cobalt chromium coupled with a structure which provides optimal radial strength with flexibility what results in early and effective endothelialization. In addition, stent strut thickness has been identified as an independent predictor of in-stent restenosis.<sup>1,2</sup>

1 Stefanini GG, Taniwaki M, Windecker S. Coronary stents: novel developments. Heart. 2014;100(13):1051-1061. doi:10.1136/heartjnl-2012-303522

2 Foin N, Lee RD, Torii R, et al. Impact of stent strut design in metallic stents and biodegradable scaffolds. Int J Cardiol. 2014;177(3):800-808. doi:10.1016/j.ijcard.2014.09.143

