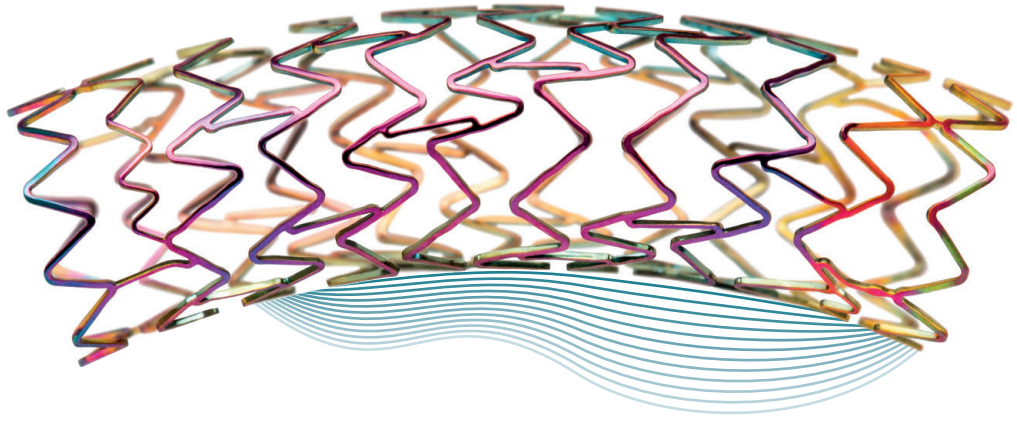
Vascular Intervention // Peripheral
Balloon-Expandable Cobalt Chromium Stent System / 0.014" / Rx

Dynamic Renal



- Proximal gold marker for superior visibility to support accurate stent placement
- Cobalt chromium alloy combining a lower profile with high radial force
- Double helix stent design for high flexibility

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Dynamic Renal

Superior visibility, high flexibility and low crossing profile.

Proximal gold marker for superior visibility to support accurate stent placement

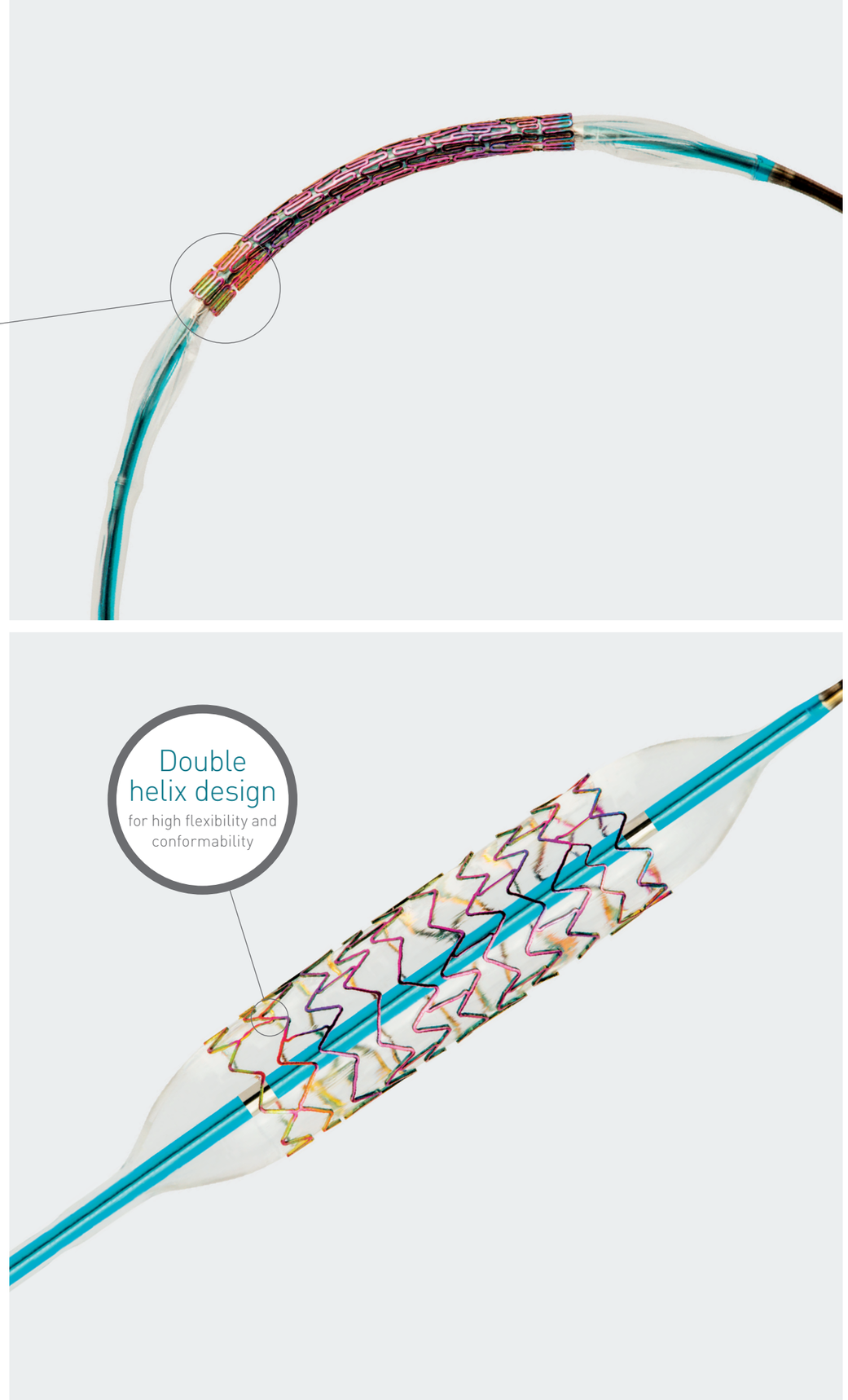
The gold plated proximal stent ring element facilitates superior visibility allowing accurate ostial stent placement.

Cobalt chromium alloy combining a lower profile with high radial force

The cobalt chromium alloy thin strut stent design permits a low crossing profile while maintaining a high radial force for vessel scaffolding.

Double helix stent design for high flexibility

The double helix stent design ensures high flexibility, homogeneous wall coverage and superb conformability.



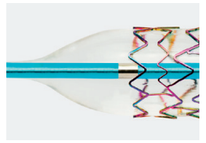
proBIO coating for improved stent surface biocompatibility[1]

The **proBIO** silicon carbide coating acts as a barrier between the metal stent and the surrounding tissue and blood, protecting the surface of the stent.

By providing a barrier against ion release, the coating creates a surface that reduces platelet aggregation while facilitating endothelialization.[1]

Deliverability

Thermal crimping techniques ensure secure stent retention forces and a smooth, low crossing profile.

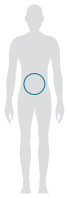


The short balloon overhang may prevent barotrauma on healthy vessel tissue.

The short balloon tip promotes excellent crossability and trackability.

Dynamic Renal

Vascular Intervention Peripheral



Indicated for improving arterial luminal diameter in patients with clinical symptoms attributable to atherosclerotic stenosis of the renal arteries.

Technical Data

Stent

Stent	Balloon-expandable
Stent material	Cobalt Chromium (L605)
Strut thickness	120 µm (ø 4.5 - 5.0 mm) 140 µm (ø 6.0 - 7.0 mm)
Stent coating	**proBIO** (Amorphous Silicon Carbide)
Stent marker	Proximal gold marker
Sizes	ø 4.5 - 7.0 mm; L: 12 - 19 mm

Delivery system

Catheter type	Rapid exchange (Rx)
Recommended guide wire	0.014"
Tip	Soft, short and tapered
Balloon markers	2 swaged markers
Shaft (proximal)	Hydrophobic coating
Usable length	140cm
Nominal Pressure (NP)	10 atm
Rated Burst Pressure (RBP)	15 atm (ø 4.5 - 6.0 mm) 13 atm (ø 7.0 mm)

Compliance Chart

		Balloon diameter x length (mm)			
		ø 4.5	ø 5.0	ø 6.0	ø 7.0
Nominal Pressure (NP)	atm*	10	10	10	10
	ø (mm)	4.5	5.0	6.0	7.0
Rated Burst Pressure (RBP)	atm*	15	15	15	13
	ø (mm)	4.7	5.3	6.2	7.2

*1 atm = 1.013 bar

Ordering Information

	Stent ø (mm)	Catheter length 140 cm Stent length (mm)		
		12	15	19
4F	4.5	358582	368711	358586
	5.0	358583	368712	358587
5F	6.0	358584	368713	358588
	7.0	358585	368714	358589

1. Rzany A, Schaldach M. Smart Material Silicon Carbide: Reduced Activation of Cells and Proteins on a-SiC:H-coated Stainless Steel. Progress in Biomedical Research 2001; May: 182-194.

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