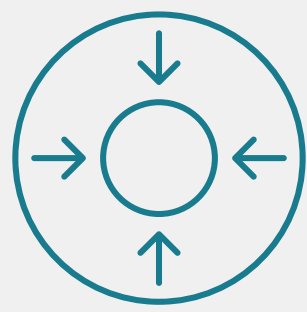


Proximal gold
marker for superior
visibility to support
accurate stent
placement



Cobalt chromium
alloy combining a
lower profile with
high radial force



Double helix stent
design for
high flexibility

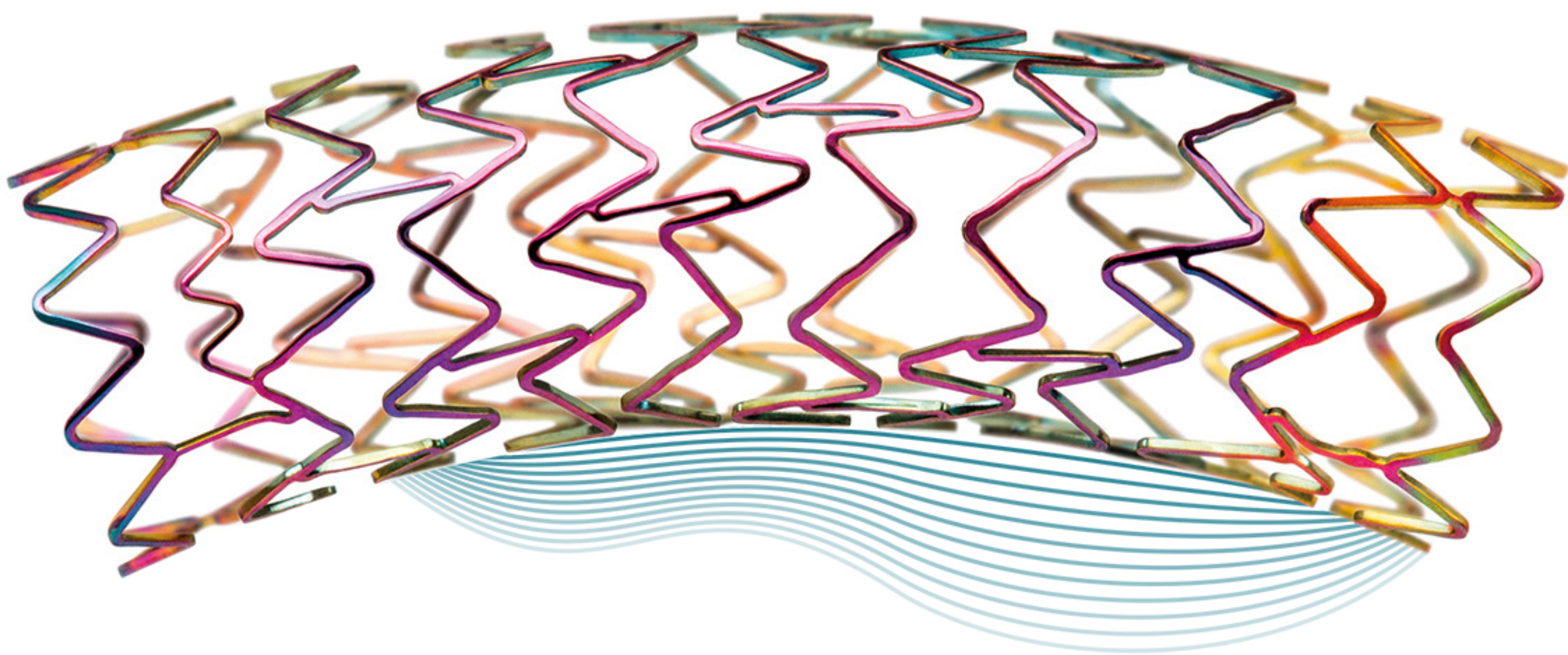


Technical data /
ordering info

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

 **BIOTRONIK**
excellence for life

Dynamic Renal





Proximal gold marker for superior visibility to support accurate stent deployment¹

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

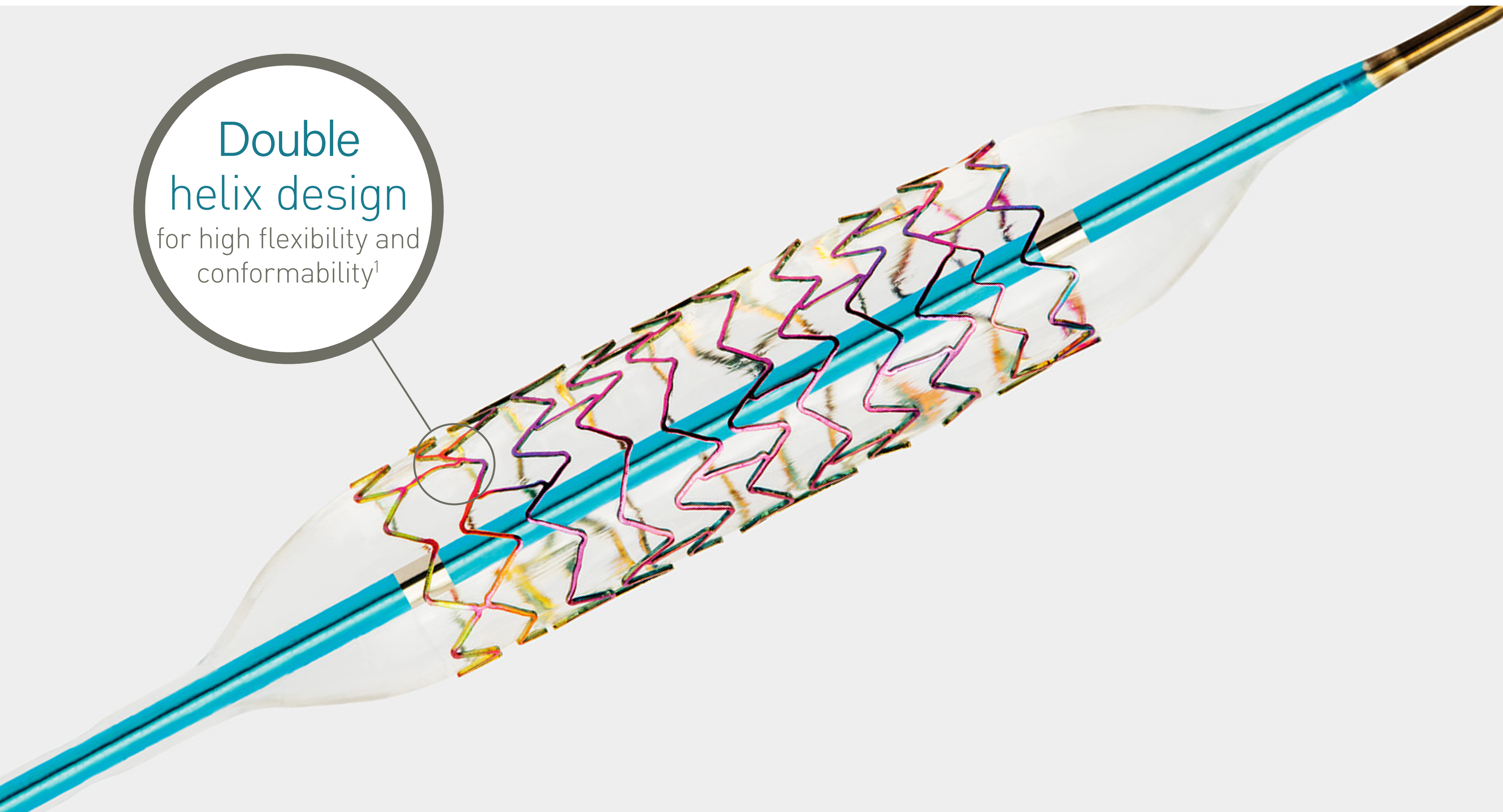


Cobalt chromium alloy combining a lower profile with improved radial force¹

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 flexibility¹

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



proBIO[®] coating for improved stent surface biocompatibility²

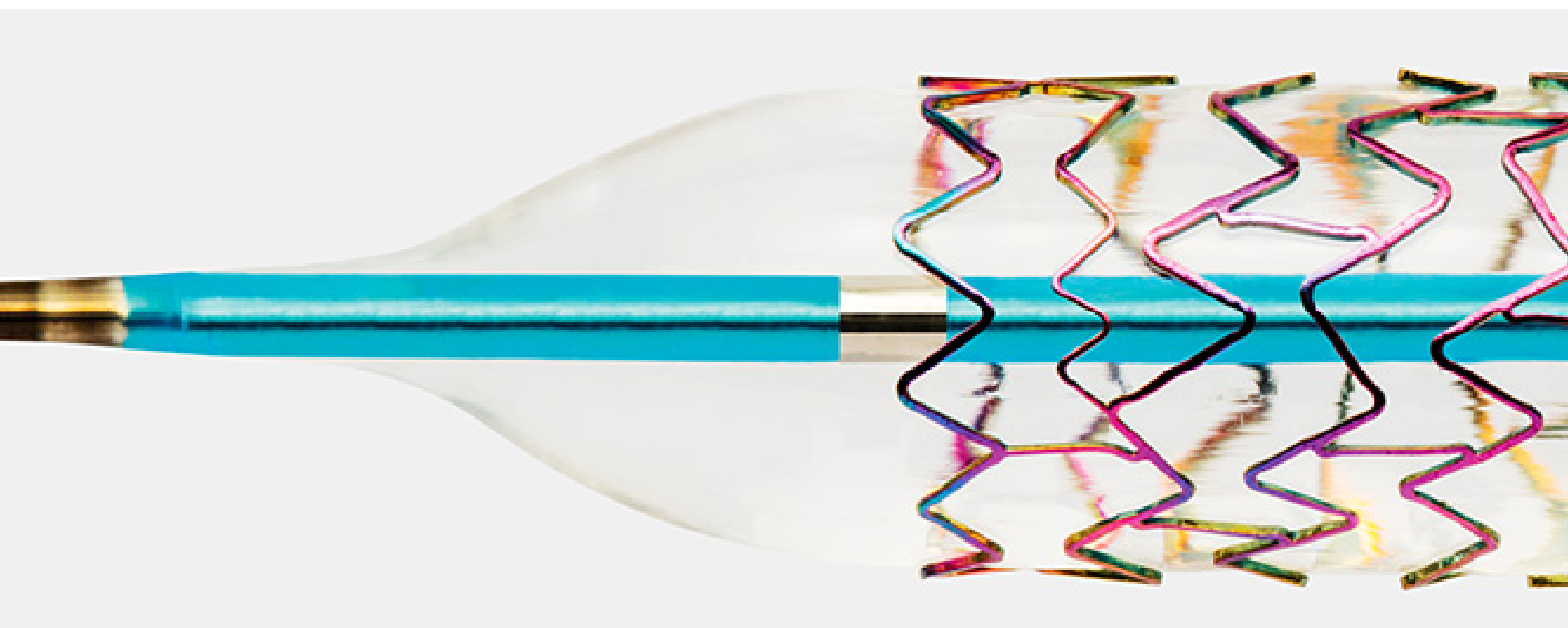
The **proBIO** silicon carbide coating acts as a barrier between the metal stent and the surrounding tissue and blood, protecting the surface of the stent.

By providing a barrier against ion release, the coating creates a surface that reduces platelet aggregation while facilitating endothelialization.²

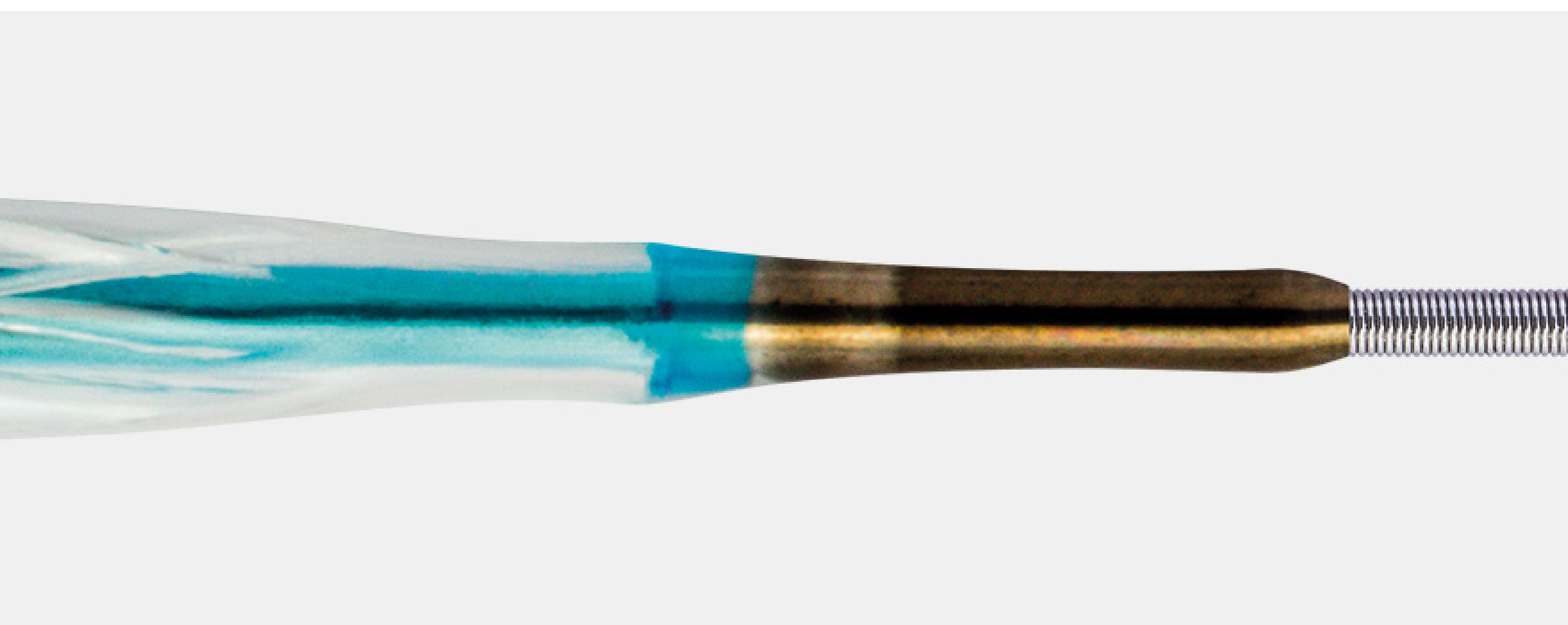
Deliverability



Thermal crimping techniques ensure secure stent retention forces and a smooth, low crossing profile.¹



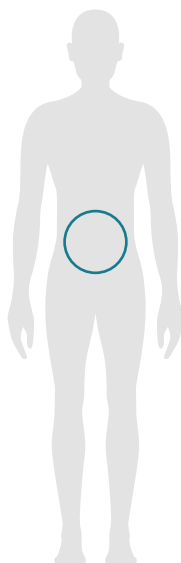
The short balloon overhang may prevent barotrauma on healthy vessel tissue.¹



The short balloon tip promotes excellent crossability and trackability.¹



Vascular
Intervention
Peripheral



Dynamic Renal

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 (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. BIOTRONIK data on file; 2. 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. * Indication as per IFU.

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