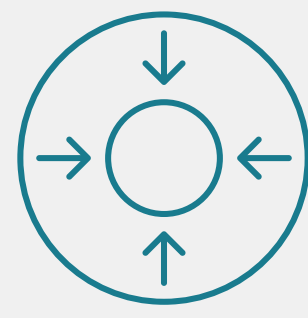


Proximal gold marker for superior visibility to support accurate stent deployment



Cobalt chromium alloy combining a lower profile with high radial force



Double helix stent design for high flexibility

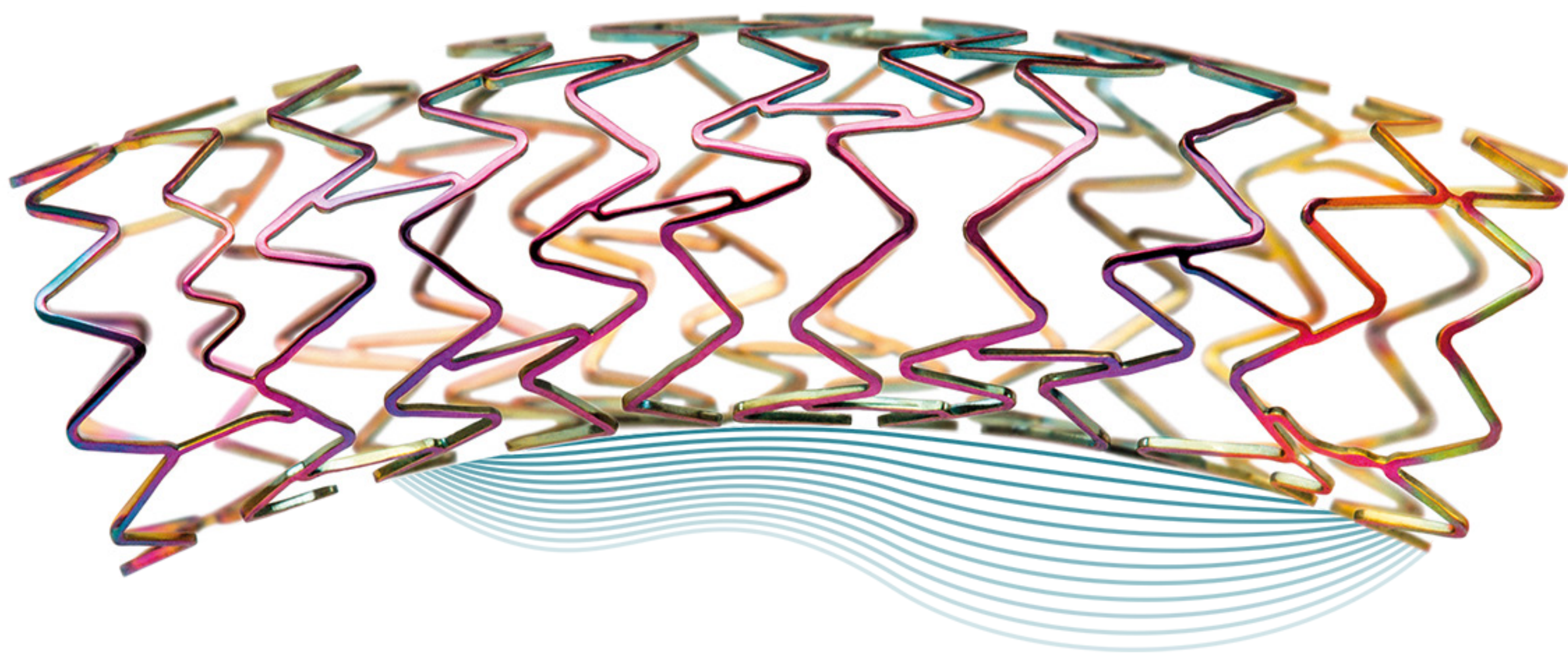


Technical data / ordering info

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

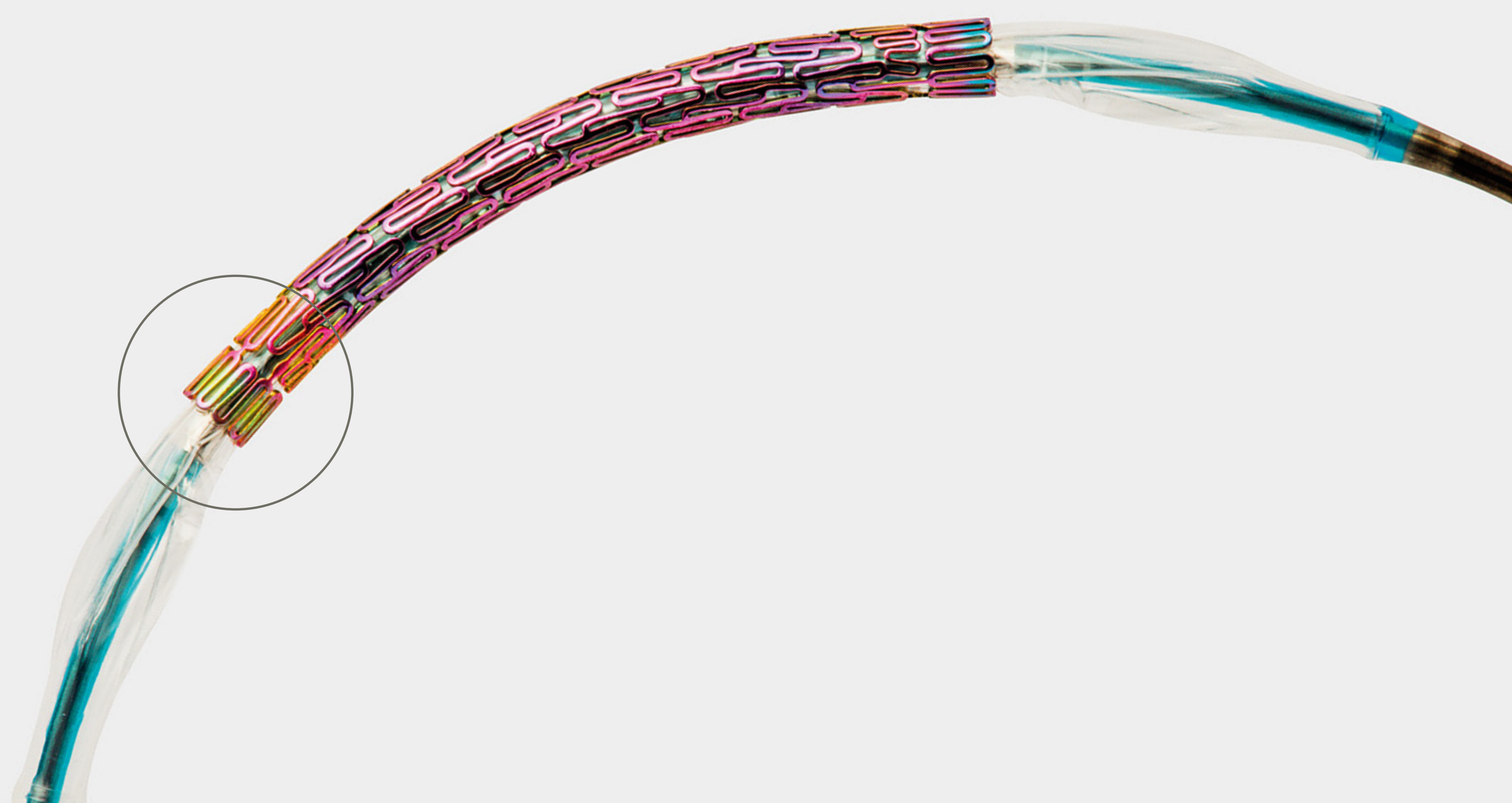
 **BIOTRONIK**
excellence for life

Dynamic Renal



Proximal gold marker for superior visibility to support accurate stent deployment

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

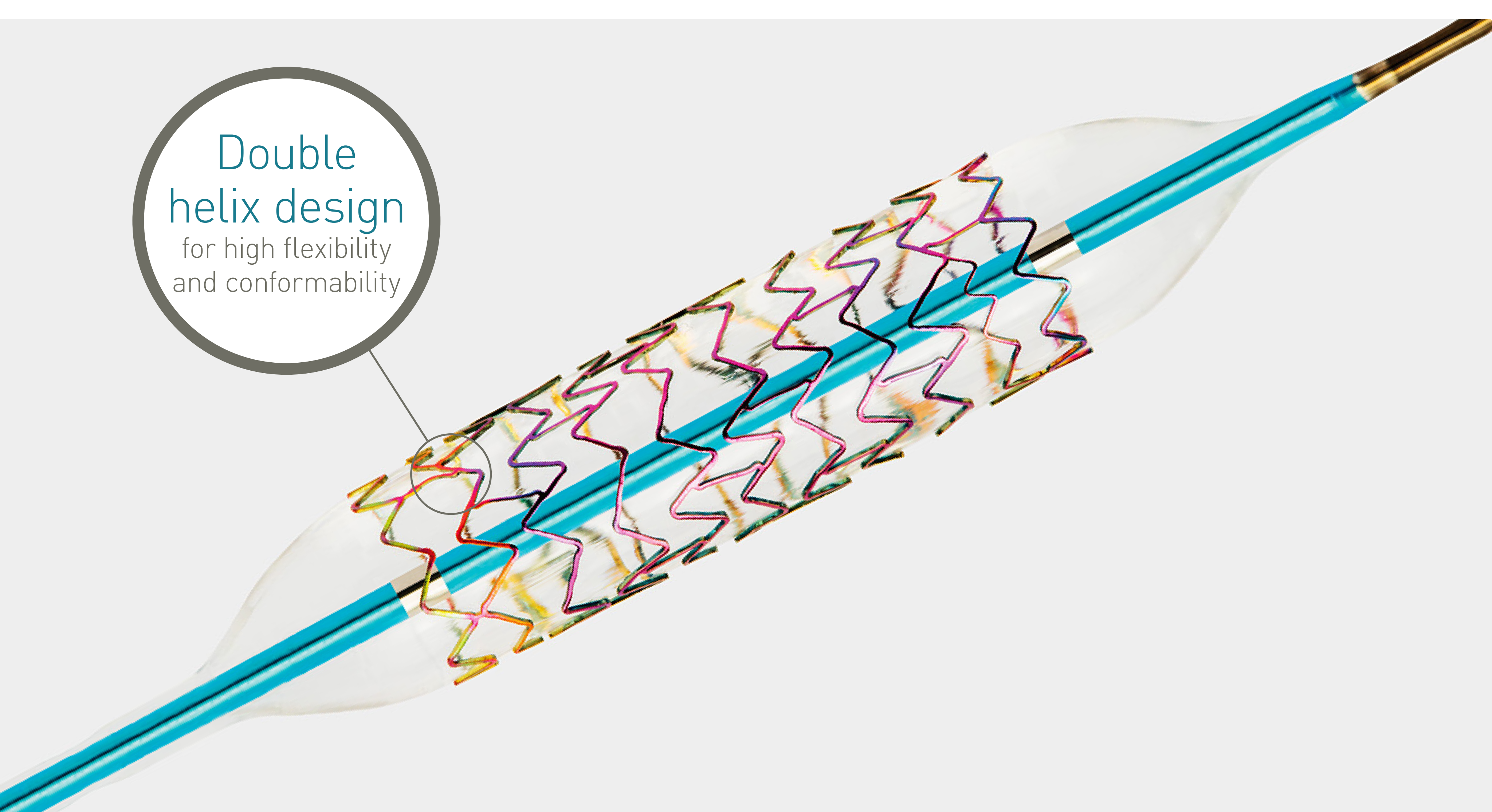


Cobalt chromium alloy combining a lower profile with improved radial force

The cobalt chromium alloy thin strut stent design permits a low crossing profile, while maintaining 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.

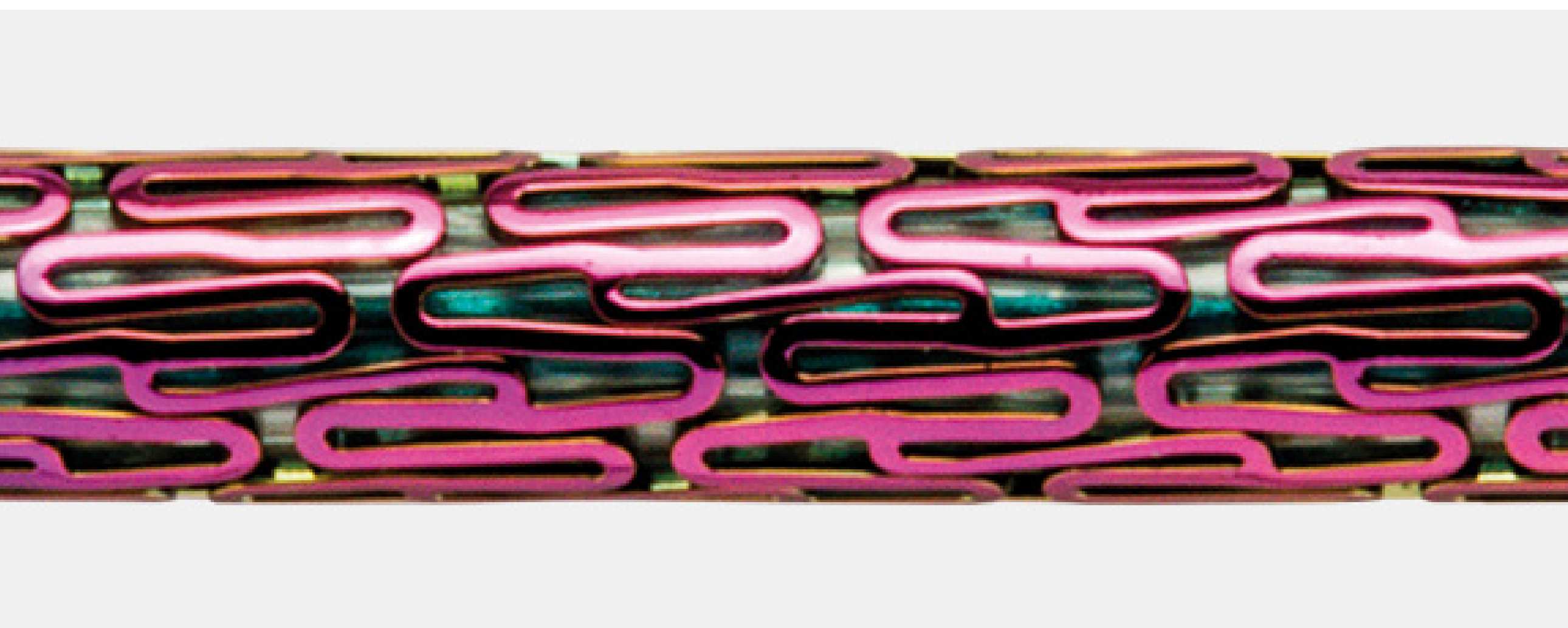


proBIO coating for improved stent surface biocompatibility¹

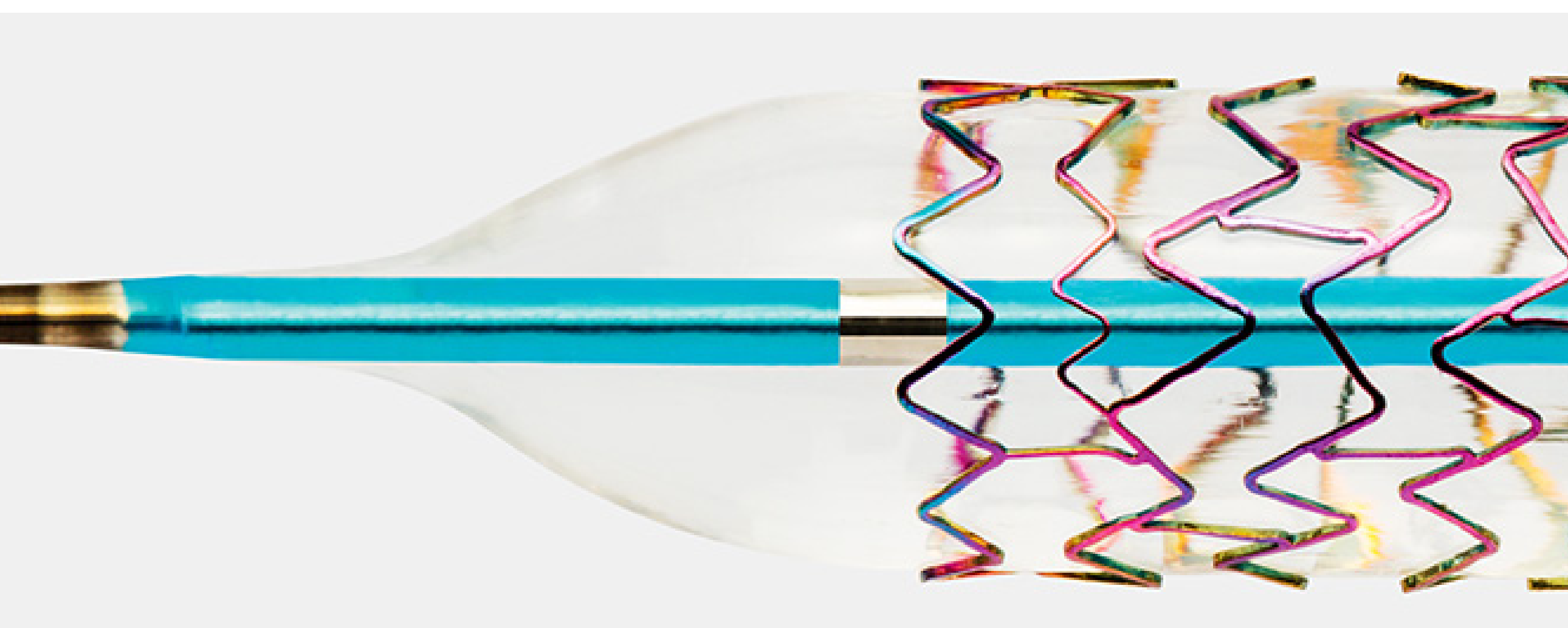
The **proBIO** silicon carbide coating acts as a barrier between the metal stent and the surrounding tissue and blood, protecting the surface of the stent.

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

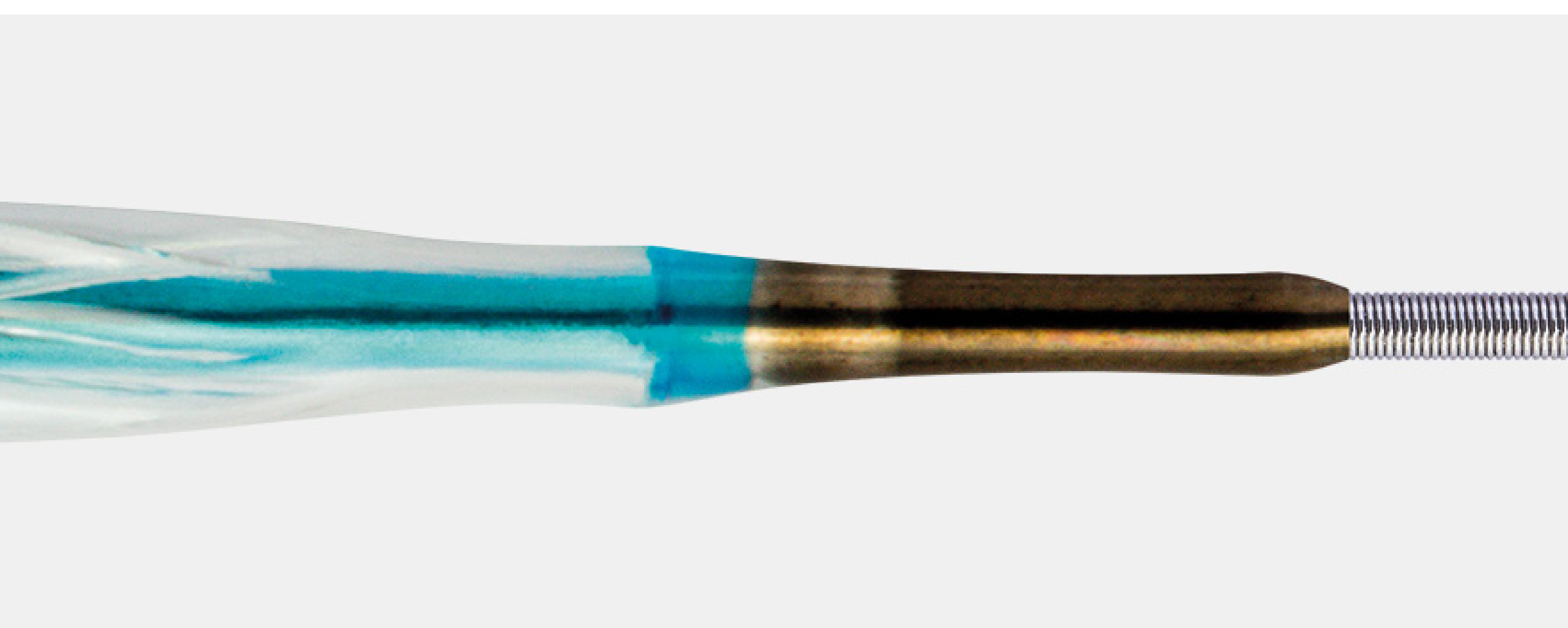
Deliverability



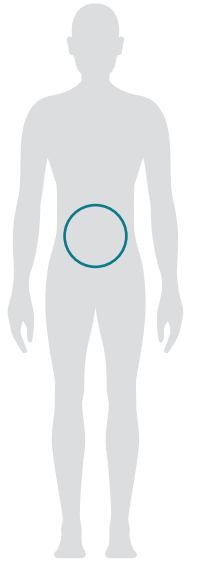
Thermal crimping techniques ensure secure stent retention forces and a smooth, low crossing profile.



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



The short balloon tip promotes excellent crossability and trackability.



Dynamic Renal

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.

