Clinically proven results

Ultrathin struts

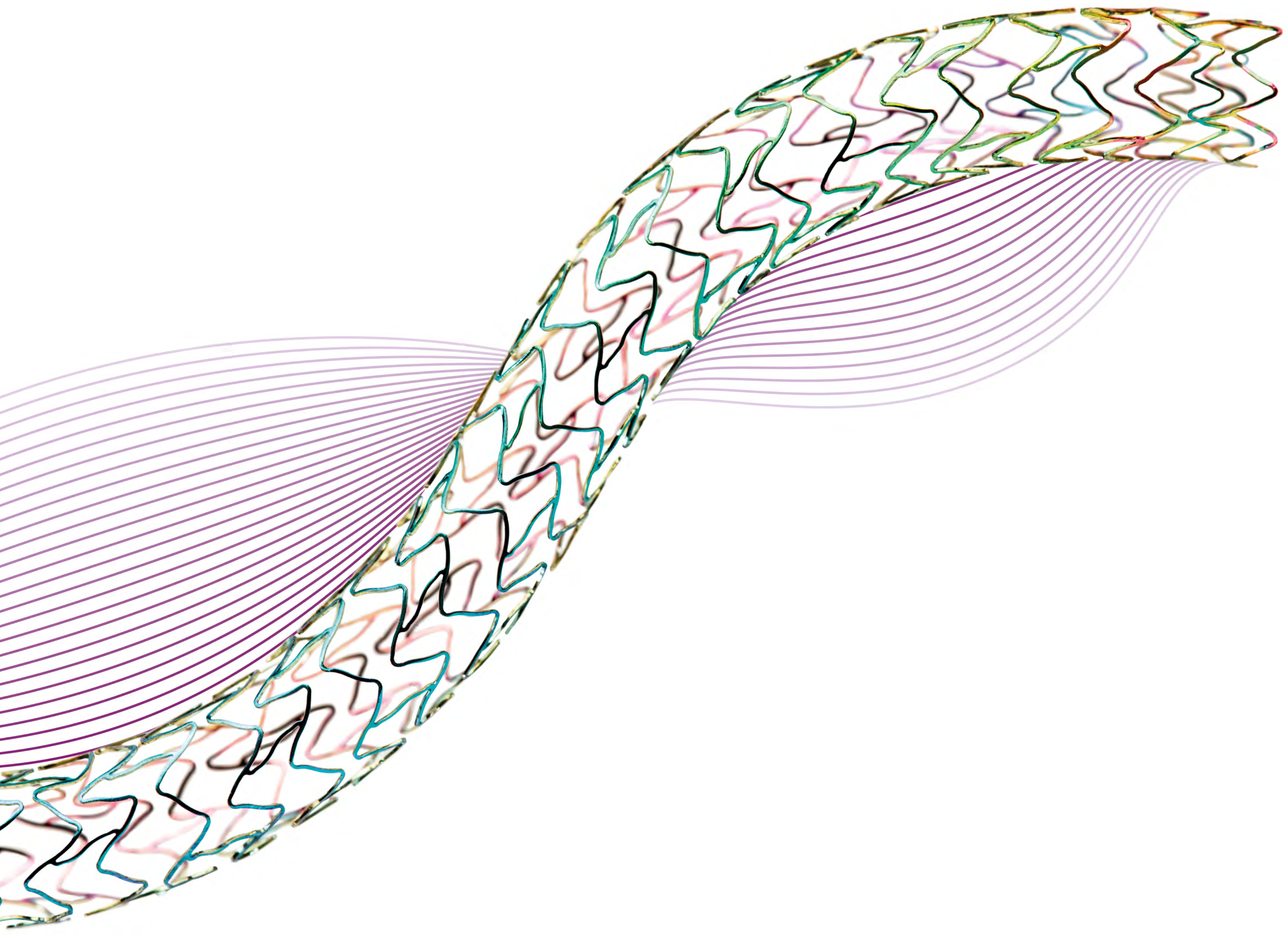
Exceptional deliverability

Technical data / ordering info

Vascular Intervention // Coronary
Cobalt Chromium Coronary Stent System

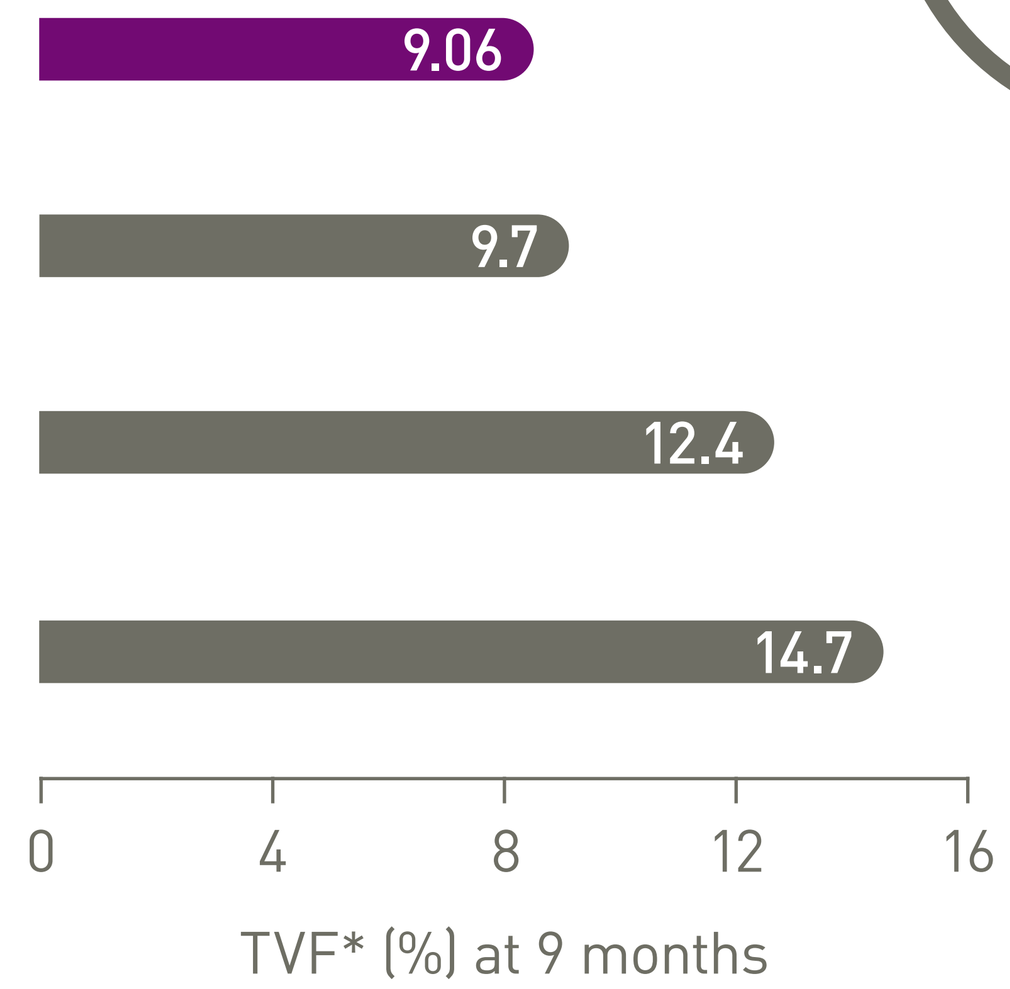
BIOTRONIK
excellence for life

Pro-Kinetic Energy

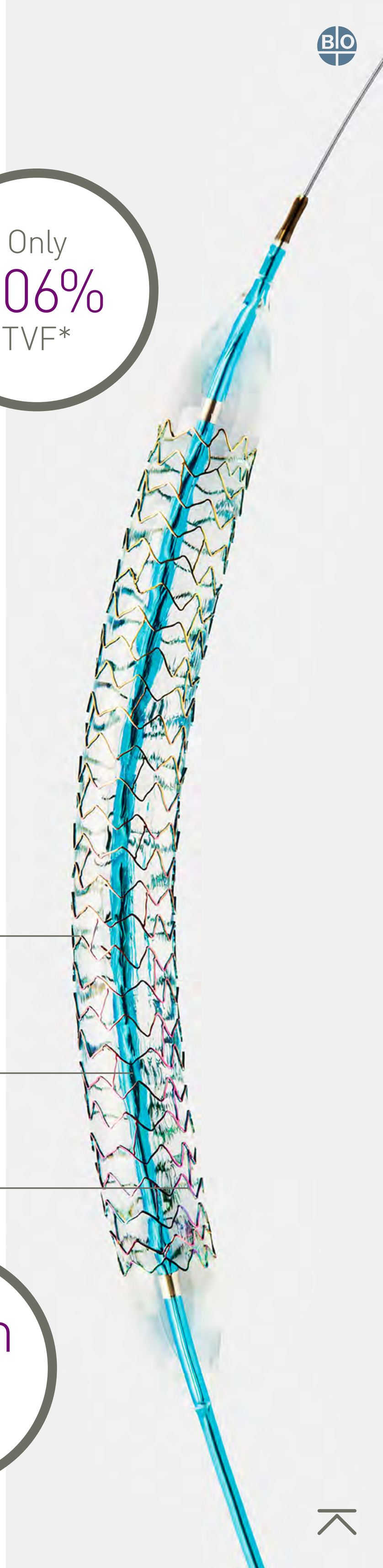


Clinically proven results

Numerically, the lowest TVF* of 9.06% across FDA IDE studies from leading BMS competitors.[1]



Only
9.06%
TVF*



Double helix stent design for a smooth outer contour and outstanding flexibility

Longitudinal connectors designed to resist longitudinal compression

Wedge shaped transitions provide consistent scaffolding

60 µm
Ultrathin struts[6]

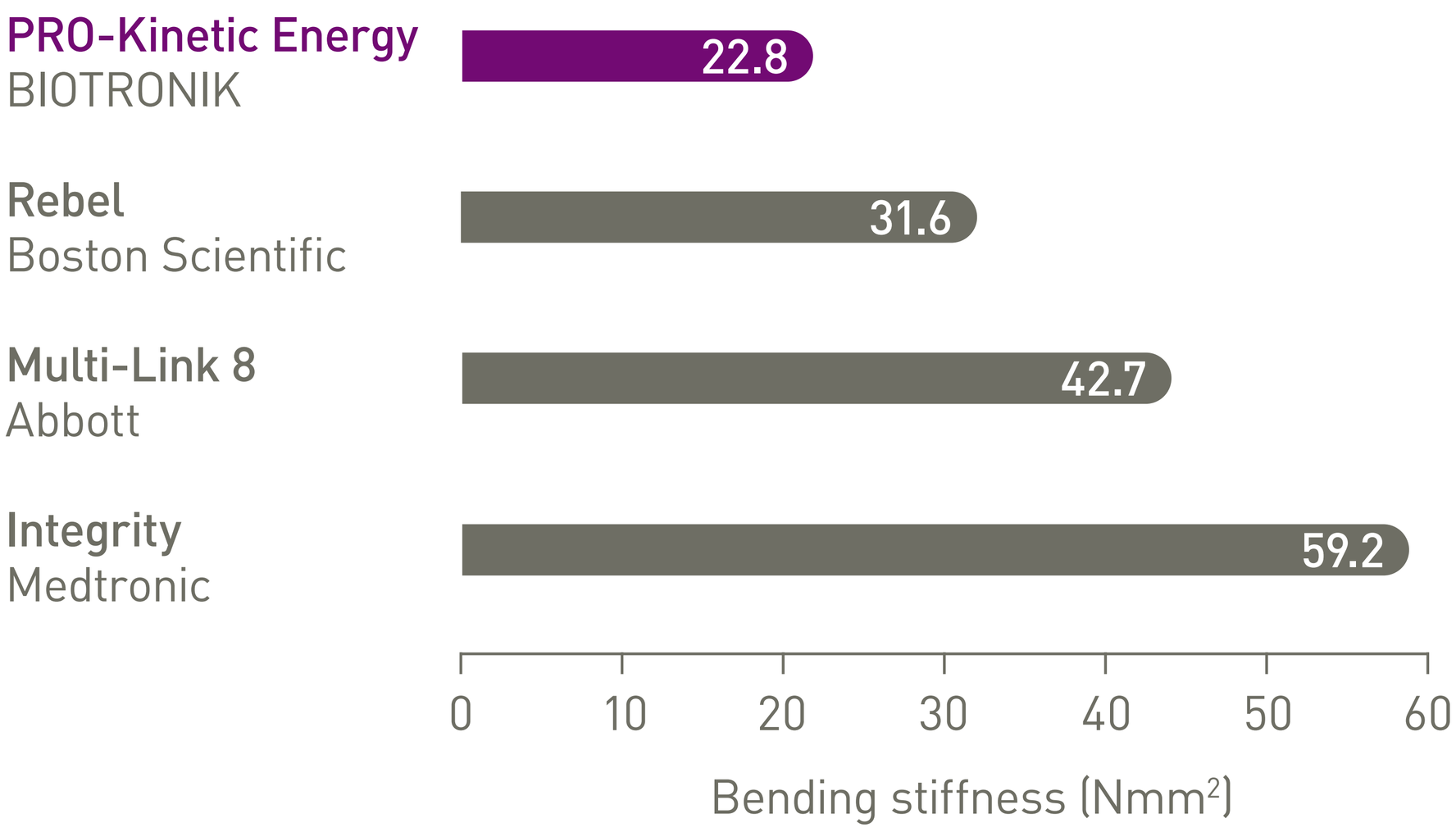
*Target Vessel Failure rate as a composite of Cardiac Death, Myocardial Infarction (MI) and ischemia-driven Target Vessel Revascularization.

Ultrathin struts

Struts of only 60 µm result in exceptional flexibility and deliverability of the stent in even the most challenging anatomy.[6]

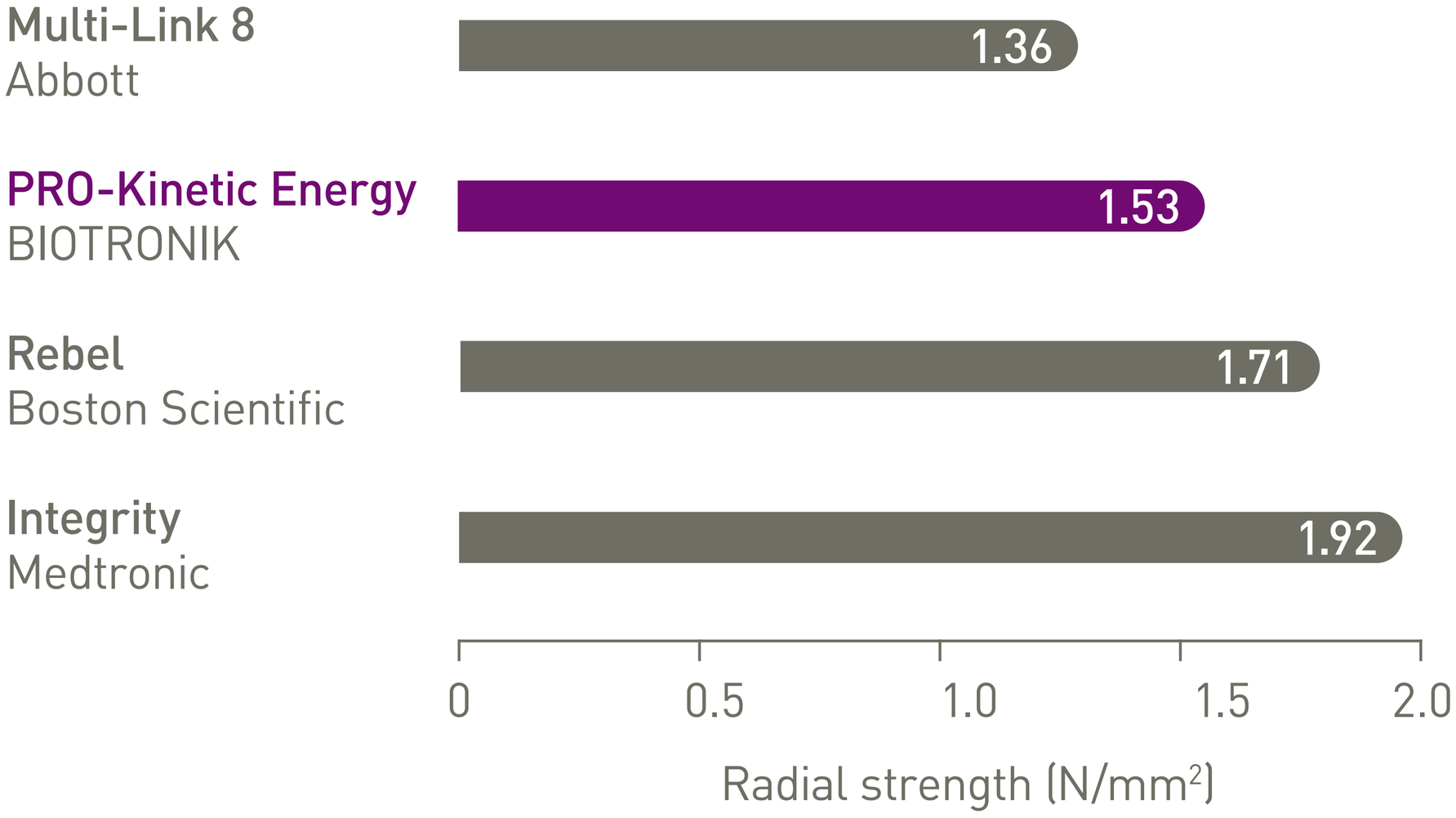
Flexibility[7]

The lowest bending stiffness for outstanding flexibility.



Radial strength[7]

Double Helix stent design maintains sufficient radial strength with thin strut design and provides stability for optimal scaffolding and support.

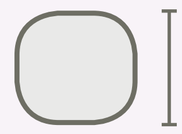


Thinnest struts among major modern BMS

PRO-Kinetic Energy[6]
BIOTRONIK

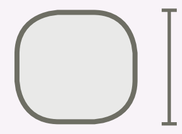
60 µm

Rebel
Boston Scientific



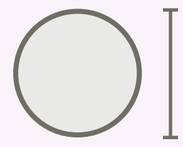
81 µm

Multi-Link 8
Abbott



81 µm

Integrity
Medtronic



89 µm

-26%
thinner than
Rebel

-26%
thinner than
Multi-Link 8

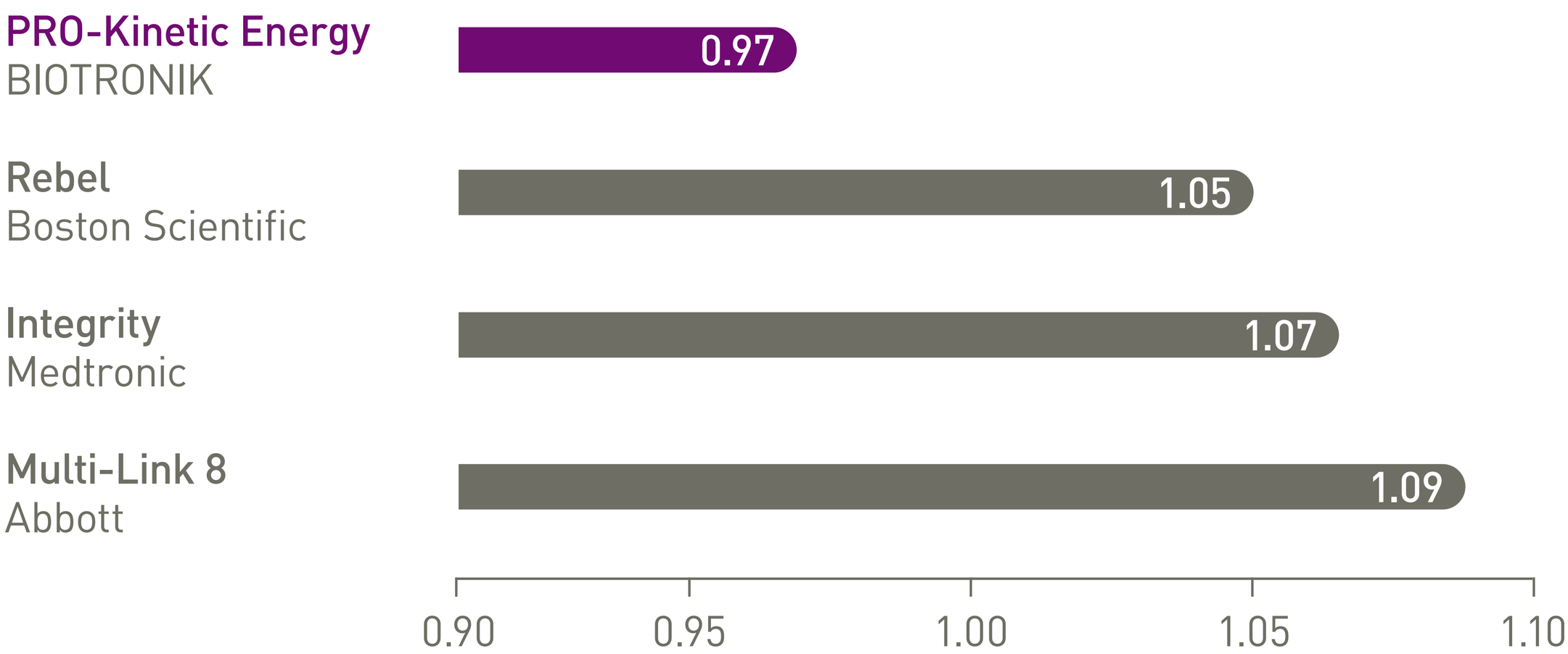
-33%
thinner than
Integrity

Exceptional deliverability

Expect effortless deliverability from the stent delivery system featuring an Enhanced Force Transmission shaft and thinner materials for added pushability and trackability.

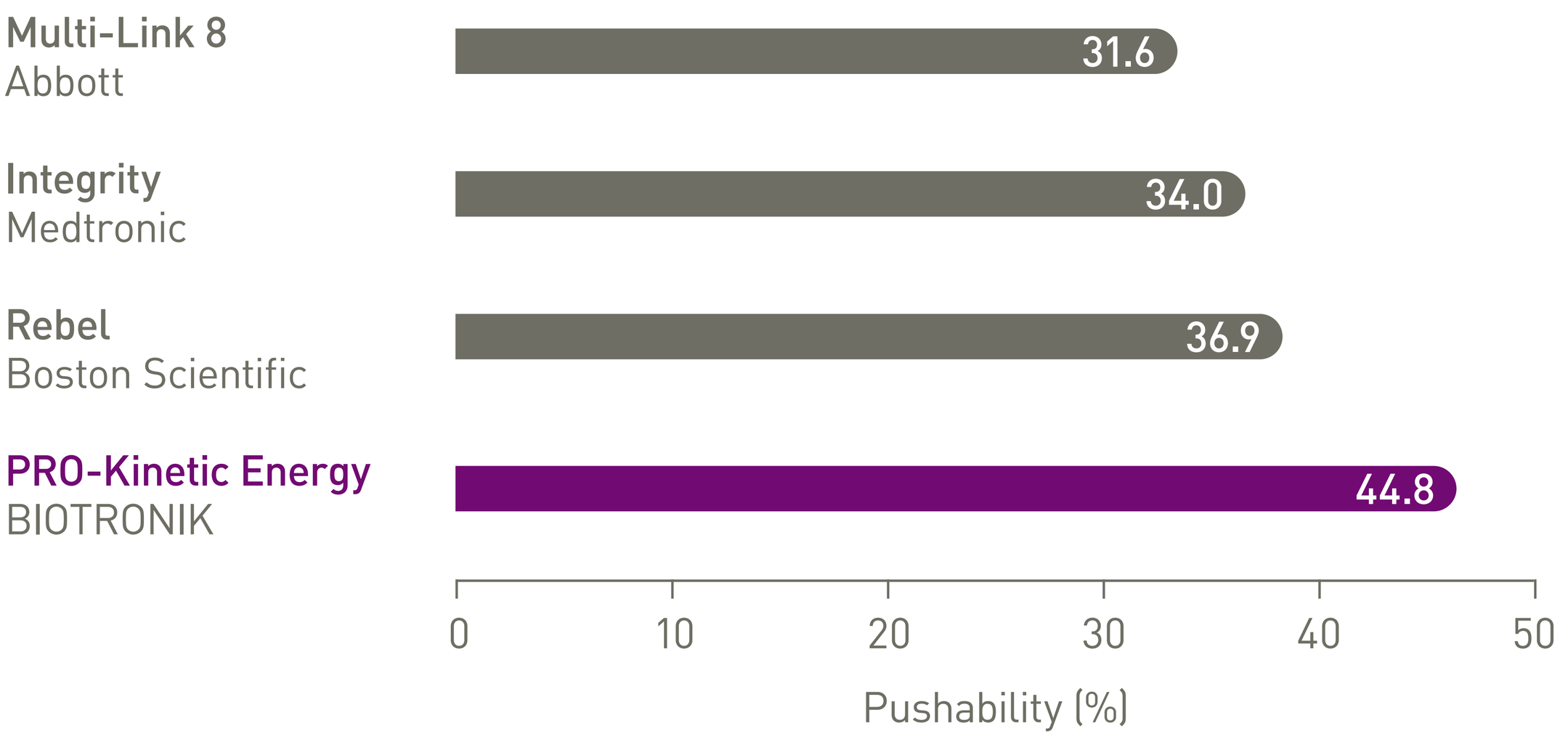
Crossability[7]

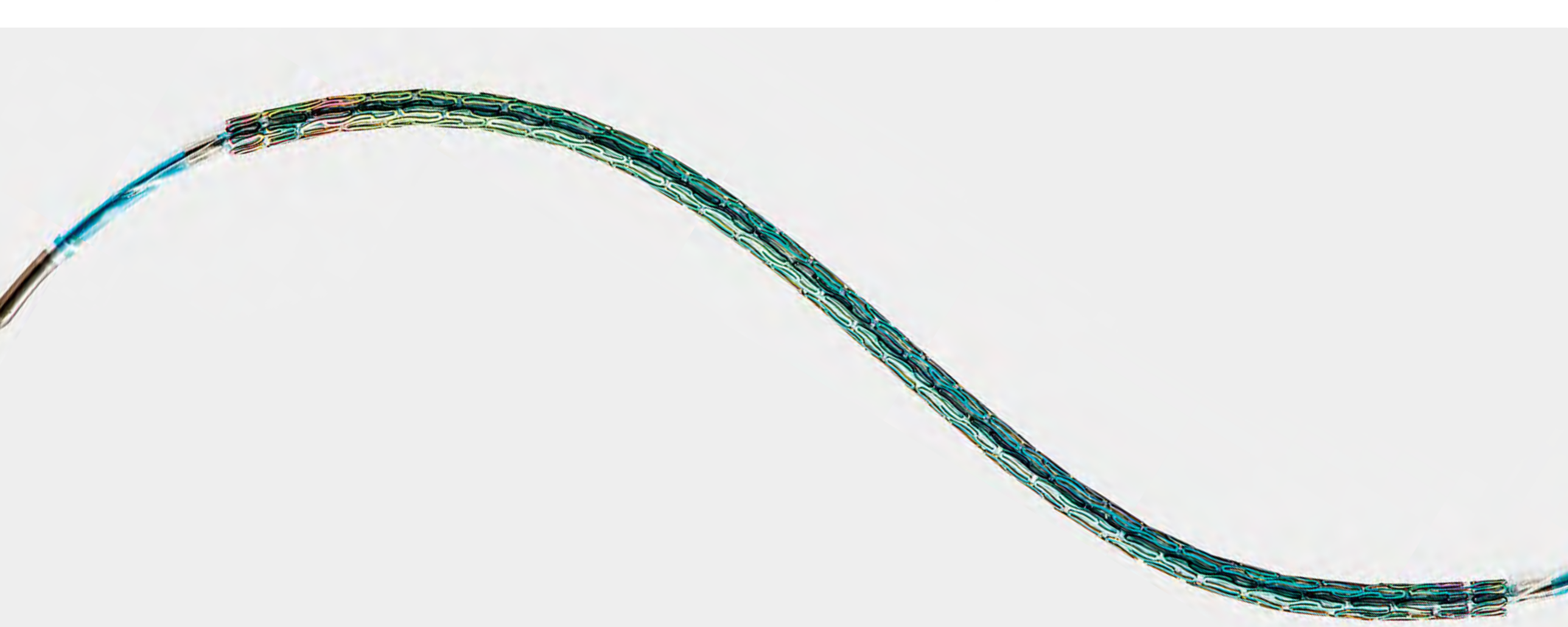
Ultrathin struts and advanced crimping for a minimized crossing profile.



Pushability[7]

Exceptional pushability with Enhanced Force Transmission shaft.





PRO-Kinetic Energy

Indicated for improving coronary luminal diameter.*

Vascular
Intervention
Coronary

Technical Data

Stent	
Stent material	Cobalt chromium, L-605
Passive coating	**pro**BIO (Amorphous Silicon Carbide) coating
Strut thickness	ø 2.0 - 3.0 mm: 60 µm (0.0024”); ø 3.5 - 4.0 mm: 80 µm (0.0031”); ø 4.5 - 5.0 mm: 120 µm (0.0047”)

Delivery system	
Catheter type	Rapid exchange
Recommended guide catheter	5F (min. I.D. 0.056”)
Lesion entry profile	0.017”
Guide wire diameter	0.014”
Usable catheter length	140 cm
Balloon material	Semi-crystalline Co-Polymer material
Coating (distal shaft)	Hydrophilic coated
Marker bands	Two swaged platinum-iridium markers
Proximal shaft diameter	2.0F
Distal shaft diameter	2.5F: ø 2.0 - 3.5 mm; 2.8F: ø 4.0 - 5.0 mm
Nominal pressure (NP)	9 atm
Rated burst pressure (RBP)	16 atm (2.0 - 4.0 mm); 14 atm (4.5 - 5.0 mm)

Compliance Chart

		Balloon diameter x length (mm)								
		ø 2.0 x 9-20	ø 2.25 x 9-20	ø 2.5 × 9-22	ø 2.75 × 9-30	ø 3.0 × 9-30	ø 3.5 × 9-40	ø 4.0 × 9-40	ø 4.5 × 13-40[a]	ø 5.0 × 13-40[a]
Nominal Pressure (NP)	atm**	9	9	9	9	9	9	9	9	9
	ø (mm)	2.00	2.25	2.50	2.75	3.00	3.50	4.00	4.50	5.00
Rated Burst Pressure (RBP)	atm**	16	16	16	16	16	16	16	14	14
	ø (mm)	2.33	2.59	2.83	3.12	3.42	4.07	4.65	5.11	5.63

[a]22mm, 35mm stent lengths not available. **1 atm = 1.013 bar

Ordering Information

Stent ø (mm)	Catheter length 140 cm Stent length (mm)									
	9	13	15	18	20	22	26	30	35	40
2.00[b]	360490	360497	360506	360515	360524	-	-	-	-	-
2.25	360491	360498	360507	360516	360525	-	-	-	-	-
2.50	360492	360499	360508	360517	360526	360533	-	-	-	-
2.75	360493	360500	360509	360518	360527	360534	360538	360544	-	-
3.00	360494	360501	360510	360519	360528	360535	360539	360545	-	-
3.50	360495	360502	360511	360520	360529	360536	360540	360546	360550	360552
4.00	360496	360503	360512	360521	360530	360537	360541	360547	360551	360553
4.50	-	360504	360513	360522	360531	-	360542	360548	-	360554
5.00	-	360505	360514	360523	360532	-	360543	360549	-	360555

[b]Size not licensed for sale in Canada

1. Results from different trials are not directly comparable. Differences in outcomes may be the result of differences in protocol design, patient populations or other factors; 2. BIOTRONIK: US Food and Drug Administration, Center for Devices and Radiological Health. PRO-Kinetic Energy Cobalt Chromium (CoCr) Coronary Stent System, P160003; www.fda.gov (accessed 16.Nov.2016); 3. Medtronic: US Food and Drug Administration, Center for Devices and Radiological Health Driver Over-The Wire, Rapid Exchange and Multi-Exchange Coronary Stent System, P030009; www.fda.gov (accessed 16.Nov.2016); 4. Boston Scientific: US Food and Drug Administration, Center for Devices and Radiological Health, REBELTM Platinum Chromium Coronary Stent System (Monorail and Over-the-Wire), P130030; www.fda.gov (accessed 23.Nov.2016); 5. Abbott Vascular: US Food and Drug Administration, Center for Devices and Radiological Health. MULTI-LINK VISION OTW Coronary Stent System, P020047; www.fda.gov (accessed 16.Nov.2016); 3 (II); 6. Applicable for sizes Ø 2.0 - 3.0 mm; 7. Ø 3.0 mm diameter, when compared to key competitors. BIOTRONIK data on file.

Rebel is a registered trademark of Boston Scientific; Multi-Link 8 is a registered trademark of Abbott; Integrity is a registered trademark of Medtronic.

*Indication as per IFU.

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