

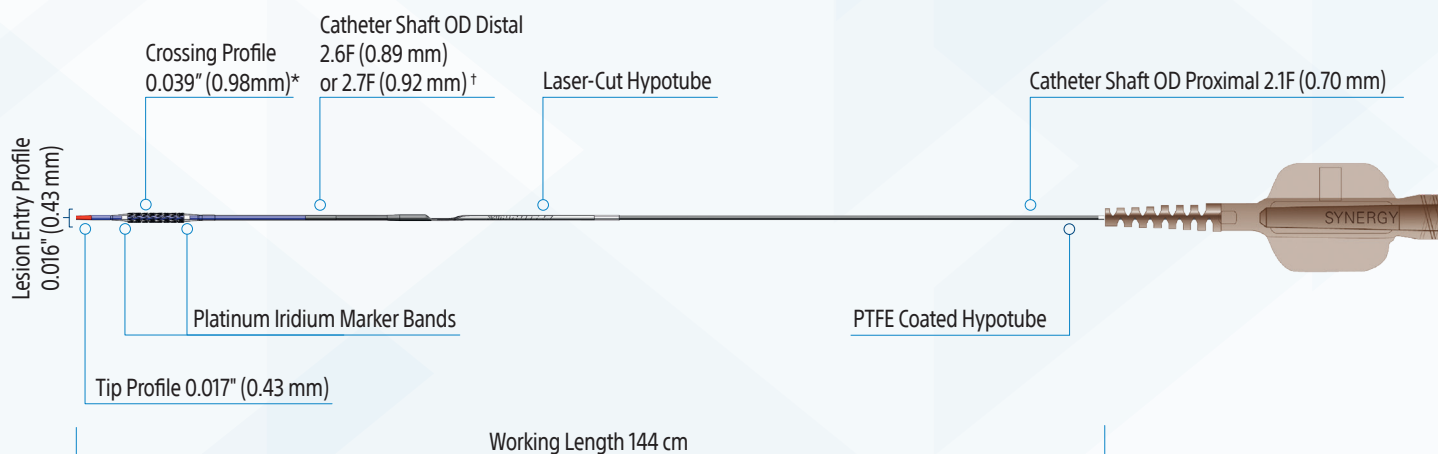
**SYNERGY™ SHIELD**  
Everolimus-Eluting Platinum Chromium  
Coronary Stent System

 | **General Specifications**

Indications for Use	<p>The SYNERGY SHIELD Stent System is indicated to improve luminal diameter in native coronary arteries with discrete, de novo stenosis in patients with symptomatic ischemic heart disease; including those with acute coronary syndromes (acute myocardial infarction and unstable angina), diabetes mellitus, renal failure or who are at a high risk of bleeding. The SYNERGY SHIELD Stent System is also indicated for use in the following coronary artery lesion types:</p> <ul style="list-style-type: none"> <li>• Bifurcation</li> <li>• In-stent restenosis</li> <li>• Total occlusion</li> <li>• Ostial</li> <li>• Unprotected left main</li> <li>• Multi-vessel disease</li> <li>• Saphenous vein graft</li> </ul> <p>The treated lesion length should be less than the nominal stent length with a reference vessel diameter of 2.25 mm - 5.00 mm.</p>												
Bioabsorbable Polymer and Drug Coating	<p>The SYNERGY SHIELD Stent is coated on the abluminal stent surface with a biodegradable drug and polymer matrix. To provide freedom from long-term polymer exposure, the polymer completes absorption shortly after drug elution ends at three months.</p> <ul style="list-style-type: none"> <li>• Antiproliferative Drug: Everolimus</li> <li>• Drug Polymer Carrier: PLGA [poly(DL-lactide-co-glycolide)]</li> <li>• Drug Dose Density: <math>\approx 1 \mu\text{g} / \text{mm}^2</math></li> <li>• Coating Thickness: <math>\approx 4 \mu\text{m}</math></li> </ul>												
Stent Material	Platinum Chromium (PtCr) Alloy												
Available Stent Lengths	8, 12, 16, 20, 24, 28, 32, 38, 48* (mm)												
Available Stent Diameters	2.25, 2.50, 2.75, 3.00, 3.50, 4.00, 4.50, † 5.00† (mm)												
Delivery System Effective Length	144 cm												
Delivery System Ports	Single access port to inflation lumen. Guidewire exit port is located approximately 26 cm from tip. Designed for guidewire $\leq 0.014$ in (0.36 mm)												
Stent Delivery Balloon	Dual-layer PEBAX Balloon with two radiopaque markers nominally 0.4 mm (0.016 in) longer than the stent at each end.												
Guide Catheter Compatibility (ID)	2.25 mm – 4.0 mm: $\geq 5\text{F}$ (0.056 in/1.42 mm) 4.50 mm – 5.0 mm: $\geq 6\text{F}$ (0.070 in/1.78 mm)												
Catheter Shaft Outer Diameter	<p>Proximal: 2.1F (0.70 mm)</p> <p>Distal:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">2.25 mm – 2.75 mm:</td> <td style="width: 33%;">2.6F (0.89 mm)</td> <td style="width: 33%;">3.50 mm: 8 mm – 20 mm:</td> <td style="width: 33%;">2.6F (0.89 mm)</td> </tr> <tr> <td>3.00 mm: 8 mm – 28 mm:</td> <td>2.6F (0.89 mm)</td> <td>24 mm – 48 mm:</td> <td>2.7F (0.92 mm)</td> </tr> <tr> <td>32 mm – 48 mm:</td> <td>2.7F (0.92 mm)</td> <td>4.00 mm–5.00 mm:</td> <td>2.7F (0.92 mm)</td> </tr> </table>	2.25 mm – 2.75 mm:	2.6F (0.89 mm)	3.50 mm: 8 mm – 20 mm:	2.6F (0.89 mm)	3.00 mm: 8 mm – 28 mm:	2.6F (0.89 mm)	24 mm – 48 mm:	2.7F (0.92 mm)	32 mm – 48 mm:	2.7F (0.92 mm)	4.00 mm–5.00 mm:	2.7F (0.92 mm)
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Stent Strut Thickness	2.25 – 2.75 mm: 74 $\mu\text{m}$ (0.0029") 3.00 – 3.50 mm: 79 $\mu\text{m}$ (0.0031") 4.00 – 5.00 mm: 81 $\mu\text{m}$ (0.0032")												
Balloon Inflation Pressure	Nominal Inflation Pressure: 11 atm (1117 kPa) Rated Burst Pressure: 2.25 mm - 2.75 mm: 18 atm (1827 kPa) 3.00 mm - 5.00 mm: 16 atm (1620 kPa)												

# Ordering Information

Ø (mm)	Stent Length (mm)									Overexpansion Capabilities
	8	12	16	20	24	28	32	38	48	
2.25	H7493966608220	H7493966612220	H7493966616220	H7493966620220	H7493966624220	H7493966628220	H7493966632220	H7493966638220		3.50
2.50	H7493966608250	H7493966612250	H7493966616250	H7493966620250	H7493966624250	H7493966628250	H7493966632250	H7493966638250	H7493966648250	3.50
2.75	H7493966608270	H7493966612270	H7493966616270	H7493966620270	H7493966624270	H7493966628270	H7493966632270	H7493966638270	H7493966648270	3.50
3.00	H7493966608300	H7493966612300	H7493966616300	H7493966620300	H7493966624300	H7493966628300	H7493966632300	H7493966638300	H7493966648300	4.25
3.50	H7493966608350	H7493966612350	H7493966616350	H7493966620350	H7493966624350	H7493966628350	H7493966632350	H7493966638350	H7493966648350	4.25
4.00	H7493966608400	H7493966612400	H7493966616400	H7493966620400	H7493966624400	H7493966628400	H7493966632400	H7493966638400	H7493966648400	5.75
4.50		H7493966612450	H7493966616450	H7493966620450	H7493966624450	H7493966628450	H7493966632450			5.75
5.00		H7493966612500	H7493966616500	H7493966620500	H7493966624500	H7493966628500	H7493966632500			5.75



\* Measurement applies to the 2.50 mm diameter stent system.

† Dependent on diameter and length.

CAUTION: The law restricts these devices to sale by or on the order of physician. Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. Products shown for INFORMATION purposes only and may not be approved or for sale in certain countries. This material not intended for use in France. 2023 Copyright © Boston Scientific Corporation or its affiliate. All rights reserved.

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