Boston Scientific
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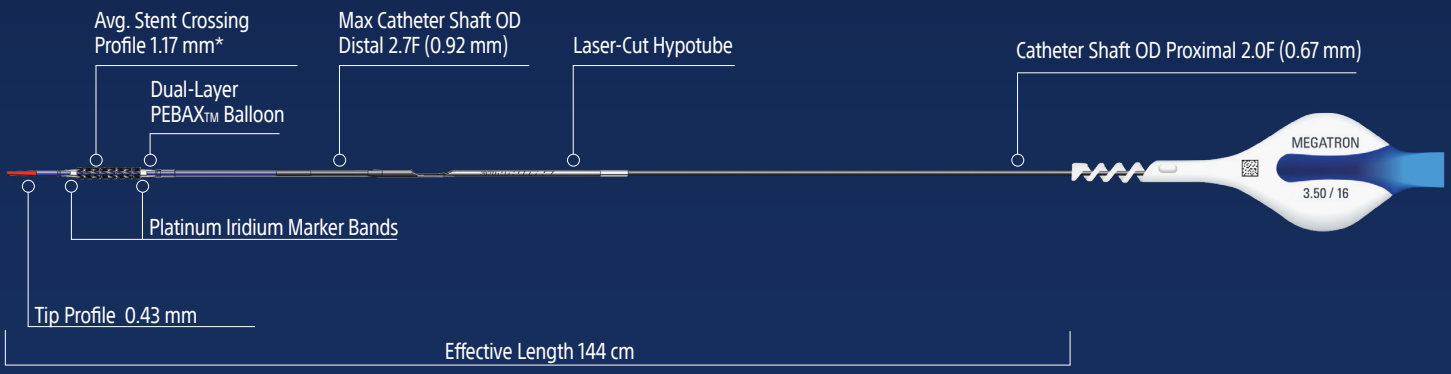
SYNERGY MEGATRON™

Everolimus-Eluting Platinum Chromium Coronary Stent System

General Specifications

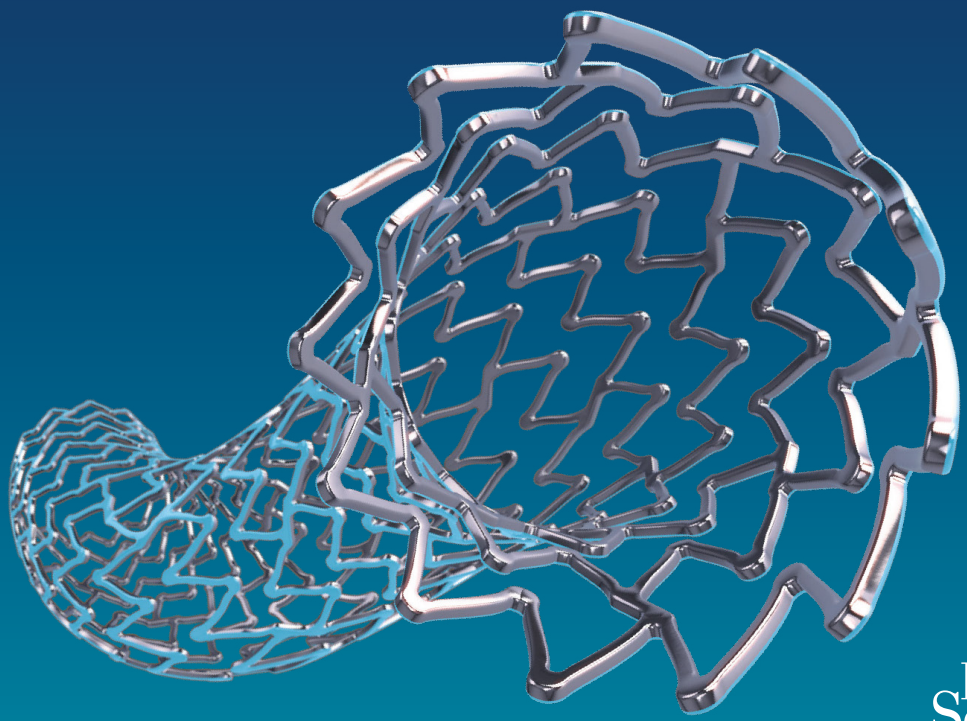
Indications for Use	The SYNERGY MEGATRON Stent System is intended to improve luminal diameter in native coronary arteries with discrete, de novo stenosis in patients with symptomatic ischemic heart disease; including those with acute coronary syndromes (acute myocardial infarction and unstable angina), diabetes mellitus, or renal failure. In addition, the SYNERGY MEGATRON Stent System is intended for treatment of patients at high risk of bleeding with as short as one month of dual antiplatelet therapy (DAPT). The SYNERGY MEGATRON Stent System is also indicated for use in the following coronary lesion types: Bifurcation | Ostial | Unprotected left main | Total occlusion | In-stent restenosis | Saphenous vein graft | Multi-vessel disease The treated lesion length should be less than the nominal stent length with a reference vessel diameter of 3.50 mm–5.00 mm.
Bioabsorbable Polymer and Drug Coating	The Synchrony™ coating is applied only on the abluminal side of the stent surface to minimize the polymer load. To provide freedom from long-term polymer exposure, the polymer completes absorption shortly after the drug elution ends at three months: • Antiproliferative Drug: Everolimus • Drug Dose Density: ≈ 1 µg / mm2 •Drug Polymer Carrier: PLGA [poly(DL-lactide-co-glycolide)] • Coating Thickness: ≈ 4 µm.
Stent Material	Platinum Chromium (PtCr) Alloy
Available Stent Lengths (mm)	8, 12, 16, 20, 24, 28, 32
Available Stent Diameters (mm)	3.50, 4.00, 4.50, 5.00
Average Stent Profile	3.50mm: 1.17 mm 4.00mm: 1.24 mm 4.50mm: 1.33 mm 5.00mm: 1.39 mm
Tip Profile	0.43 mm
Delivery System Effective Length	144 cm
Delivery System Ports	Single access port to inflation lumen. Guidewire exit port is located approximately 25 cm from tip. Designed for guidewire ≤ 0.36 mm.
Stent Delivery Balloon	A balloon with two radiopaque markers nominally 0.4 mm longer than the stent at each end.
Catheter Shaft Outer Diameter	**Proximal:** 8 mm–32 mm: 2.0F (0.67 mm) **Distal:** 3.50 mm: 8 mm–20 mm: 2.6F (0.89 mm) 24 mm–32 mm: 2.7F (0.92 mm) 4.00 mm–5.00 mm: 8 mm–32 mm: 2.7F (0.92 mm)
Stent Strut Thickness	89 µm (0.089 mm)
Guide Catheter Inner Diameter	3.50mm–4.00 mm: ≥ 5F (1.42 mm) 4.50mm–5.00 mm: ≥ 6F (1.78 mm)
Maximum Balloon Inflation Pressure	Nominal Inflation Pressure: 1117 kPa–11 ATM Rated Burst Pressure: 1620 kPa–16 ATM

Ordering Information



*Average stent crossing profile measured on the SYNERGY MEGATRON 3.50 mm diameter.

	Stent Length (mm)							
ø (mm)	8	12	16	20	24	28	32	Overexpansion Capabilites
3.50	H7493942708350	H7493942712350	H7493942716350	H7493942720350	H7493942724350	H7493942728350	H7493942732350	6.0
4.00	H7493942708400	H7493942712400	H7493942716400	H7493942720400	H7493942724400	H7493942728400	H7493942732400	6.0
4.50	H7493942708450	H7493942712450	H7493942716450	H7493942720450	H7493942724450	H7493942728450	H7493942732450	6.0
5.00	H7493942708500	H7493942712500	H7493942716500	H7493942720500	H7493942724500	H7493942728500	H7493942732500	6.0



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