

ProPASS™

Platinum Activated Stent System

Intelligent Engineering

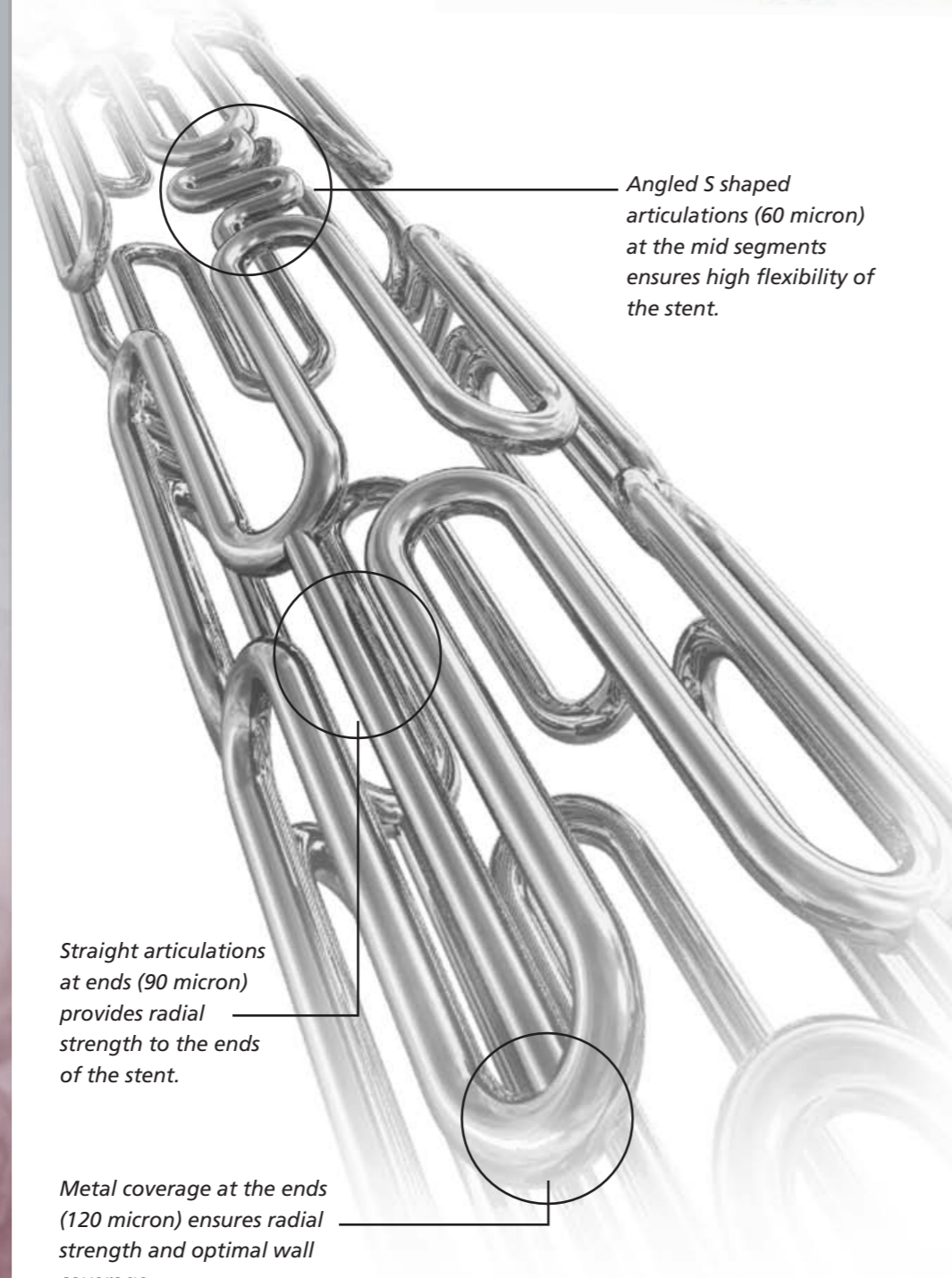
Platinum Coated Balloon Expandable Coronary Stent and Stent System

Features

- Medical grade 316L Stainless Steel as the base material
- Coated with Medical Grade Platinum metal after stent is electropolished
- .25micron thickness coating
- Platinum coating ensures microsmooth surface architecture
- Triple variable strut thickness along the length of the stent
- Dual articulated design, straight articulations at the ends and angled articulations at the mid portion of the stent
- Excellent side branch access
- High radial strength
- High flexibility
- No plaque prolapse at implanted sites
- Superb radio opacity ensures perfect positioning in the vessel wall
- Low profile, high pressure delivery system



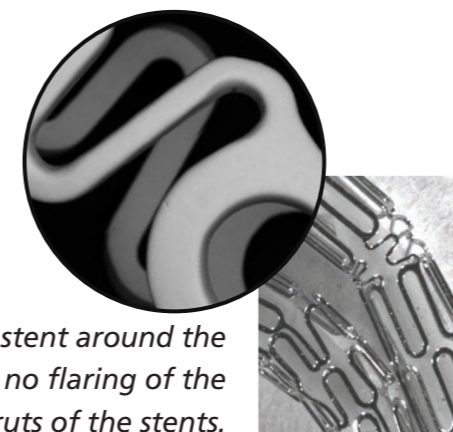
ProPass stent system has an ultra-low profile with good radiopacity. The surface of the stent is smooth, without any microscopic grain boundaries that is normally seen with stainless steel stents.



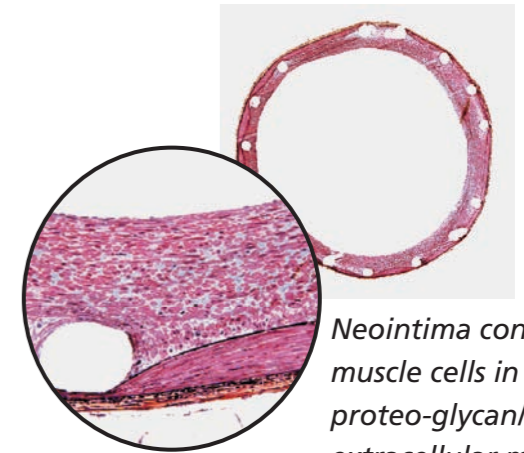
Angled S shaped articulations (60 micron) at the mid segments ensures high flexibility of the stent.

Straight articulations at ends (90 micron) provides radial strength to the ends of the stent.

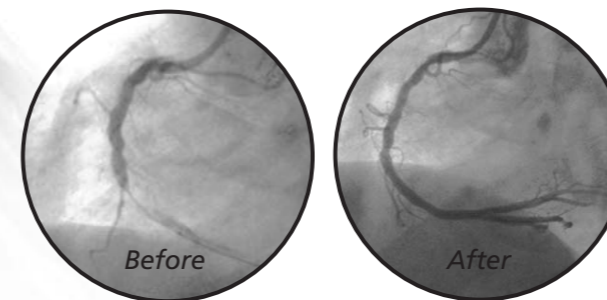
Metal coverage at the ends (120 micron) ensures radial strength and optimal wall coverage.



Placing the stent around the bend ensures no flaring of the struts of the stents.

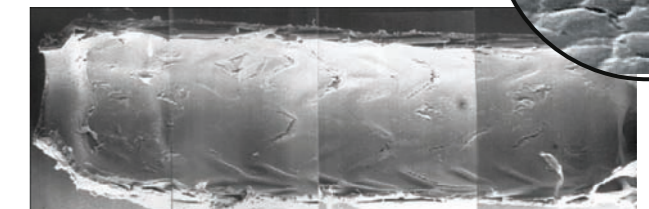


Neointima consists of smooth muscle cells in an organized proteo-glycan/collagen rich extracellular matrix.



Images obtained after implantation of the ProPass stent at various locations of the artery, show the stent is very flexible, trackable, has an optimal radial strength and is able to produce a pleasing acute result.

Scanning Electron Microscopy (SEM) of the explanted cut section of the stent shows a very uniform endothelial coverage with spindle shaped endothelial cells lining the lumen of the stent.



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ProPass Technical Data

BALLOON [mm]	2.50	2.75	3.00	3.25	3.50	4.00
PRESSURE [Mpa/bar]	Compliance (mm)					
0.2/2	2.42	2.66	2.92	3.17	3.42	3.92
0.3/3	2.44	2.68	2.94	3.18	3.44	3.94
0.4/4	2.46	2.71	2.96	3.21	3.46	3.96
0.5/5	2.48	2.73	2.98	3.23	3.48	3.98
0.6/6	2.50	2.75	3.00	3.25	3.50	4.00
0.7/7	2.51	2.77	3.02	3.26	3.52	4.03
0.8/8	2.52	2.79	3.06	3.27	3.56	4.07
0.9/9	2.54	2.81	3.08	3.29	3.59	4.09
1.0/10	2.56	2.84	3.11	3.31	3.62	4.11
1.1/11	2.59	2.86	3.13	3.33	3.65	4.13
1.2/12	2.61	2.88	3.16	3.35	3.68	4.17
1.3/13	2.64	2.90	3.19	3.37	3.71	4.22
1.4/14	2.66	2.92	3.22	3.40	3.74	4.26
1.5/15	2.69	2.94	3.26	3.43	3.77	4.29
1.6/16	2.72	2.96	3.29	3.45	3.80	4.34
1.7/17	2.75	2.99	3.33	3.47	3.83	4.39
1.8/18	2.79	3.00	3.36	3.49		
1.9/19	2.81	3.01	3.38			
2.0/20	2.83					

Nominal pressure at 6 BAR [0.6 Mpa]

RATED BURST PRESSURE

ProPass Ordering Information

STENT LENGTH	STENT DIAMETER					
	2.50 mm	2.75 mm	3.00 mm	3.25 mm	3.50 mm	4.00 mm
8mm	PPC2508	PPC27508	PPC3008	PPC32508	PPC3508	PPC4008
13mm	PPC2513	PPC27513	PPC3013	PPC32513	PPC3513	PPC4013
18mm	PPC2518	PPC27518	PPC3018	PPC32518	PPC3518	PPC4018
23mm	PPC2523	PPC27523	PPC3023	PPC32523	PPC3523	PPC4023
28mm	PPC2528	PPC27528	PPC3028	PPC32528	PPC3528	PPC4028
33mm	PPC2533	PPC27533	PPC3033	PPC32533	PPC3533	PPC4033
38mm	PPC2538	PPC27538	PPC3038	PPC32538	PPC3538	PPC4038