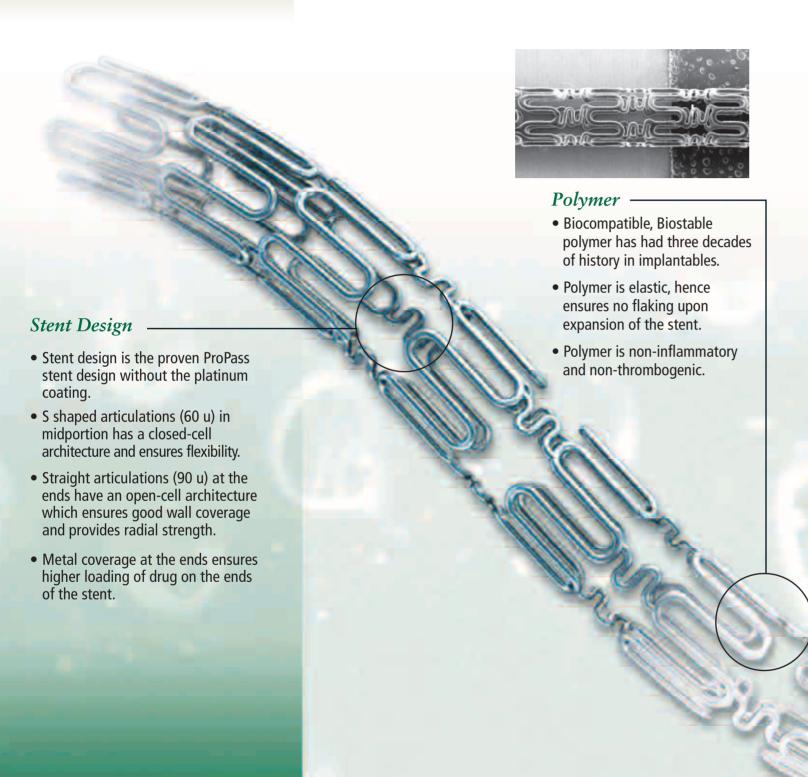




ProNova – Sirolimus Eluting Stent



Sirolimus Molecule

OCH₂

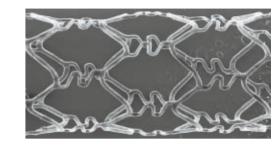
OCH₂

HO

OCH₂

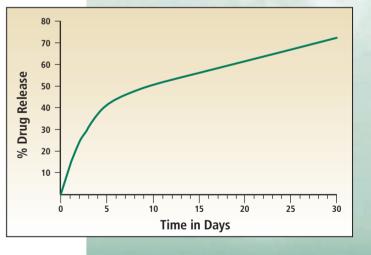
Drug

- Drug is Cytostatic approved for usage in various human applications.
- SMC proliferation studies demonstrate a suppression of the human SMC cells.
- Release of Drug is maintained uniformly up to 30 days.
- After 30 days less than 25% of the drug remains on the surface of the stent.



Coating Technology

- Patented Vibrational Technology (VT) is used for coating stents.
- VT ensures superb coating integrity without any overlap between the struts.
- Drug is loaded into a Hydrophobic-Hydrophillic matrix which acts as a reservoir for delivery.







Manufactured By: **Vascular Concepts Limited** 2 Deans Hall Business Park Oak Road, Little Maplestead Halstead, Essex C09 2RT **United Kingdom** Tel: 01787 477199 (E₀₁₂₃

Fax: 01787 477510

Vascular Concepts Limited No. 19, SV Complex (1st Floor) Bellary Road, Hebbal Bangalore 560 024 **INDIA**

Tel: (080) 23438146-49 Fax: (080) 23439205

ProNova Technical Data

BALLOON [mm]	2.50	2.75	3.00	3.25	3.50	4.00					
PRESSURE [Mpa/bar]											
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	3.68	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	3.74	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

ProNova Ordering Information

STENT	STENT DIAMETER								
LENGTH	2.25 mm	2.50 mm	2.75 mm	3.00 mm	3.25 mm	3.50 mm	4.00 mm		
13mm	PN22513	PN2513	PN27513	PN3013	PN32513	PN3513	PN4013		
18mm	PN22518	PN2518	PN27518	PN3018	PN32518	PN3518	PN4018		
23mm	PN22523	PN2523	PN27523	PN3023	PN32523	PN3523	PN4023		
28mm	PN22528	PN2528	PN27528	PN3028	PN32528	PN3528	PN4028		
33mm	PN22533	PN2533	PN27533	PN3033	PN32533	PN3533	PN4033		
38mm	PN22538	PN2538	PN27538	PN3038	PN32538	PN3538	PN4038		