INVAMED | RD GLOBAL Research & Development

CARDIAC PRODUCT CATALOG

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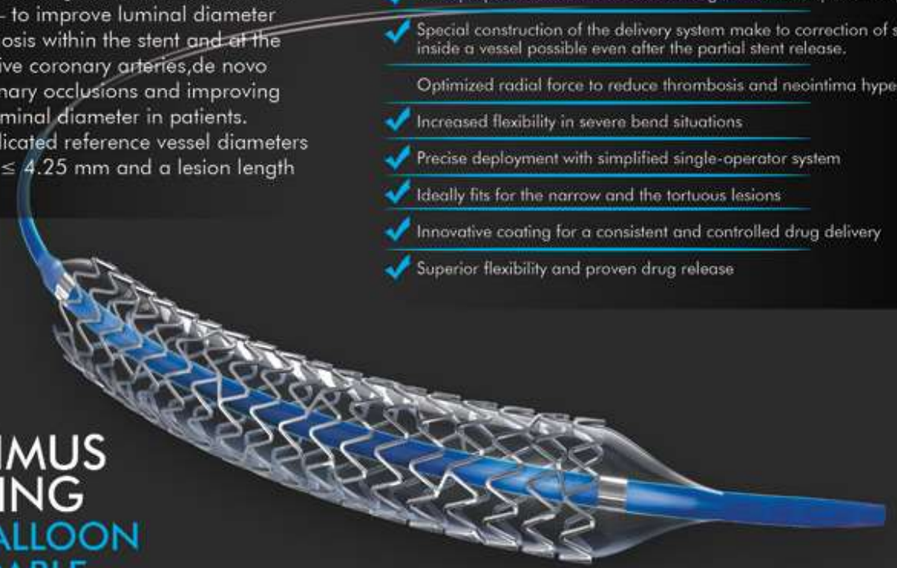
Atlas
CORONARY

Atlas™ is a coronary balloon expandable stent system consisting of everolimus particle. It is indicated for de novo and in-stent restenotic lesions in patients with coronary artery disease – including acute coronary syndrome acute myocardial infarction or unstable angina and/or concomitant diabetes mellitus – to improve luminal diameter and reduce restenosis within the stent and of the stent edges in native coronary arteries,de novo chronic total coronary occlusions and improving coronary artery luminal diameter in patients. Stent system is indicated reference vessel diameters of ≥ 2.25 mm to ≤ 4.25 mm and a lesion length of ≤ 27 mm.

Advantages

- Made of stainless steel 316 L laser cutting
- Increased conformability within unique open-cell design technology
- Excellent radial force
- The polymer layers release everolimus in time – controlled process of their slow degradation, inhibiting formation process.
- High flexibility of the Atlas™ stent effects in excellent adaptation to vessel curvature
- Special construction of the stent provides a good adhere to the arterial wall
- Radiopaque markers on the stent endings which allow precise implantation
- Special construction of the delivery system make to correction of stent position inside a vessel possible even after the partial stent release.
- Optimized radial force to reduce thrombosis and neointima hyperplasia
- Increased flexibility in severe bend situations
- Precise deployment with simplified single-operator system
- Ideally fits for the narrow and the tortuous lesions
- Innovative coating for a consistent and controlled drug delivery
- Superior flexibility and proven drug release



EVEROLIMUS ELUTING BALLOON EXPANDABLE

STENT PARAMETERS

PRESSURE	2.00mm	2.25mm	2.50mm	2.75mm	3.00mm	3.25mm	3.50mm	3.75mm	4.00mm	4.50mm	
4atm	1.84	2.09	2.31	2.56	2.78	3.02	3.25	3.51	3.74	4.51	
6atm	1.92	2.16	2.41	2.67	2.89	3.13	3.38	3.62	3.87	4.91	
8atm	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	5.00	Nominal Pressure
10atm	2.07	2.32	2.59	2.86	3.11	3.36	3.61	3.89	4.14	5.22	
12atm	2.14	2.41	2.66	2.93	3.21	3.46	3.73	4.02	4.29	5.41	
14atm	2.20	2.48	2.75	3.03	3.30	3.58	3.85	4.13	4.40	5.50	Rated Burst Pressure

Atlas™ 's delivery system minimizes the negative effects of procedure, protecting the carina tip from being crushed or damaged they are applied in the following cases:

- Unsatisfactory result of a PTCA procedure (residual stenosis),
- Inner vessel membrane delamination,
- Vessel wall elasticity disorders and pressure from the outside,

NEW EXTRAORDINARY FLEXIBLE STAINLESS STEEL STENT WITH EVEROLIMUS DEDICATED FOR NARROW AND TORTUOUS VESSELS

Atlas™ stent system easily adapts it's shape to the arterial wall and does not dislocate itself after deployment. The elasticity of the stent as well as flexibility of the delivery system allows the use of Atlas™ even in tortuous vessels.

Greater flexibility
Lower crossing profile
Exceptional deliverability

ENHANCED DELIVERY SYSTEM ADVANCES ACUTE PERFORMANCE

Stent Material	Stainless Steele 316 L
Stent Diameter	2.0 – 4.5 mm
Stent Lenght	8 mm – 40 mm
Wall Thickness of Stent	0.115 mm
Delivery Catheter Structure	Rapid exchange / OTW
Guidewire Compatibility	0.014"
Stent Crimped Profile	0.038"
Minimum Sheath Size	6 Fr / 2.0 mm

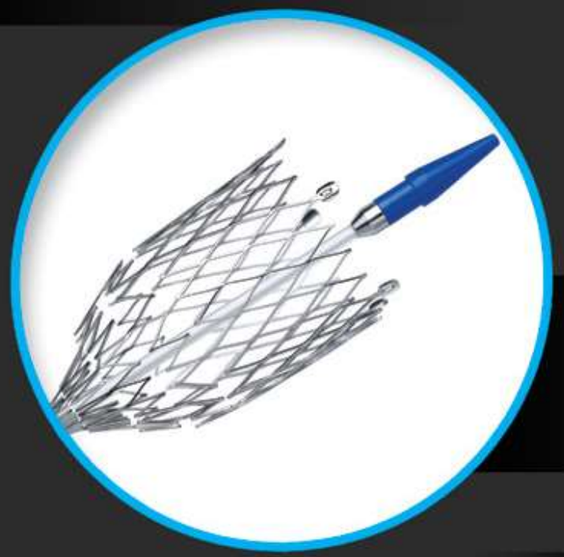
Stent Lenght

	8mm	10mm	12mm	15mm	18mm	22mm	25mm	29mm	34mm	36mm	38mm	40mm
2.00mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2.25mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2.50mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2.75mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3.00mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3.25mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3.50mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3.75mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4.00mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4.50mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Atlas
AORTIC

Self-expandable Aortic Nitinol Stent
Our new an endoluminal stent prosthesis for the aorta is available in a unique range of different stent diameters and lengths that is unrivaled anywhere in the world.

Stent Material	Nitinol alloy
Stent Diameter	14 mm – 40 mm
Stent Lenght	70 mm – 100 mm – 130 mm
Delivery Catheter Structure	Over The Wire System
Guidewire Compatibility	0.035" (0.89 mm)
Delivery System	12 Fr , 14Fr , 16 Fr
Usable Length of Catheter	100 cm



AORTIC
SELF-EXPANDABLE

Stent Size

	20mm	30mm	40mm	60mm	80mm	100mm	120mm	150mm	200mm
20mm	✓	✓	✓	✓	✓	✓	✓	✓	✓
100mm	✓	✓	✓	✓	✓	✓	✓	✓	✓
130mm				✓	✓	✓	✓	✓	✓

Advantages

- ✓ Made of nitinol laser cutting
- ✓ (NiTi) – material with higher biocompatibility level and corrosion resistance than medical AISI 316L stainless steel
- ✓ Increased conformability within unique open-cell design technology
- ✓ Excellent radial force
- ✓ High flexibility of the Atlas™ Aortic stent effects in excellent adaptation to vessel curvature
- ✓ Special construction of the stent provides a good adhere to the vessel wall
- ✓ Radiopaque markers on the stent endings which allow precise implantation
- ✓ Special construction of the delivery system make to correction of stent position inside a vessel possible even after the partial stent release.
- ✓ Precise deployment with simplified single-operator system
- ✓ Coaxial pull back system for safety and easy use
- ✓ Delivery system for smooth gliding characteristics
- ✓ Radioopaque markers on the inner catheter
- ✓ For exact stent placement
- ✓ 100 cm working length
- ✓ OTW design with 0,035" guidewire
- ✓ Self-expanding nitinol stent
- ✓ Flexible stent design
- ✓ Closed-cell structure for optimal stent fixation
- ✓ Open-cell structure for high flexibility
- ✓ 5 intergrades laser-welded tantalum markers at proximal and distal end

EXCELLENT PRECESION & FLEXIBILITY

Atlas™ Aortic is indicated for:

- Vena cava syndrome
- Obstructions of the vena cava
- Stenoses and dissections of the aorta
- Endoleak type 1a and 1b

COAXIAL PULL BACK SYSTEM
FOR SAFETY AND EASY TO USE