Vascular Intervention // Peripheral

# Astron Pulsar

Self-Expanding Stent/0.018"/OTW Indicated for femoral and infrapopliteal artery



- S-articulating connecting bars and peak-to-valley design for multi-directional flexibility
- Segmented stent design with thin struts for lower chronic outward force
- Pull-back delivery system for simple stent deployment
- Low profile 4F delivery system with 3.6F proximal shaft for contrast injection with device in sheath





## Astron Pulsar Simplicity by design

## Stent designed to achieve radial force and flexibility required by SFA

Being a relatively mobile artery, the SFA requires a stent that conforms to the natural vessel movement and provides sufficient support in complex, long lesions that are often difficult to cross. Astron Pulsar is a stent designed for SFA with high multi-directional flexibility on a low-profile delivery system.

#### Clinically proven in mid-term follow-up (24 months)

Pulsar stents in shorter lesions

- 4EVER<sup>1</sup> trial. ALL 4.3 cm; PP 76.2 %; FTLR 82.3 %
- REAP<sup>2</sup> trial. ALL 5.2 cm; PP 68.0 %; FTLR 86.2 %

Pulsar stents in combination with Drug-Coated Balloon (DCB) DEBAS<sup>3</sup> trial. ALL 18.8 cm; PP 88.2 %; FTLR 91.0 %\*

\* DEBAS uses Pulsar-18 stent, another member of the Pulsar family with similar stent characteristics.

### Stent designed for SFA

- Peak-to-valley design and S-articulating connecting bars provide multi-directional flexibility and avoid fish-scaling in mobile vessel architecture.
- A segmented stent design with thin struts provides low Chronic Outward Force (COF)<sup>4</sup> sufficient to maintain vessel scaffolding even in calcified lesions (4EVER trial<sup>1</sup>). High COF has been shown to result in higher rates of neointimal hyperplasia.<sup>5, 6, 7</sup>
- Ideal for shorter lesions, spot-stenting or combination therapy with DCB.

Peak-to-Valley

VS.

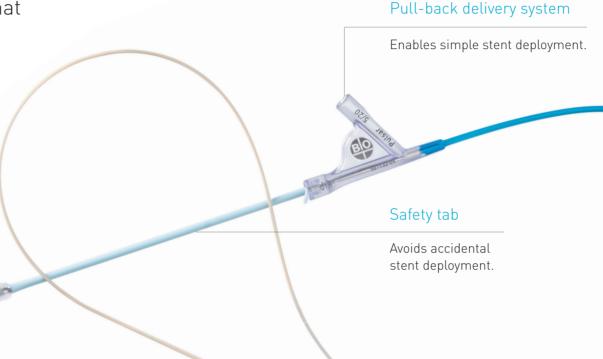
Competitive

Peak-to-Peak

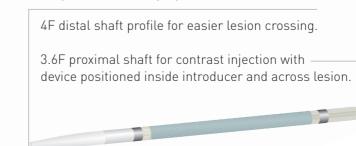
Peak-to-Peak

Pulsar

Peak-to-Valley S-articulating



#### Low profile delivery system



Stent magnification

#### Easy release

Relieves friction of introducer valve on the rectractable shaft during stent deployment for a smoother action.

### Astron Pulsar Self-Expanding Nitinol Stent/0.018"/OTW

Chank

#### **Technical Data**

OTW
0.018"
Nitinol
155 μm
proBIO (Amorphous Silicone Carbide)
6 gold markers each end
ø 4 - 7 mm; L: 20 - 80 mm
3.6F, hydrophobic coating
70 cm (ø 5.0 - 7.0 mm) 72 cm (ø 4.0 mm, L: 60 - 80 mm) 75 cm (ø 4.0 mm, L: 20 - 40 mm) 120 cm (ø 5.0 - 7.0 mm) 130 cm (ø 4.0 mm, L: 60 - 80 mm) 135 cm (ø 4.0 mm, L: 20 - 40 mm)

Ordering Information	Stent ø (mm)	Catheter length 70 - 75 cm Stent length (mm)						
		20	30	40	60	80		
	4.0	358939	358940	358941	359347	359680		
	5.0	349267	349268	349269	349270	358942		
45	6.0	349275	349276	349277	349278	358943		
	7.0	-	349283	349284	349285	349286		

	Stent ø (mm)	<b>Catheter length 120 - 135 cm</b> Stent length (mm)								
		20	30	40	60	80				
45	4.0	358944	358945	358946	359346	359681				
	5.0	349271	349272	349273	349274	358947				
	6.0	349279	349280	349281	349282	358948				
	7.0	-	349287	349288	349289	349290				

Astron Pulsar is part of the BIOTRONIK **4** Solutions portfolio, including:

- Introducer Sheath: Fortress = Guide Wires: Cruiser, Cruiser-18 = Balloons: Passeo-14, Passeo-18
- Stents: PRO-Kinetic Energy Explorer, Pulsar-18

For ordering please contact your local sales representative

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