



Jetstream™ Atherectomy System

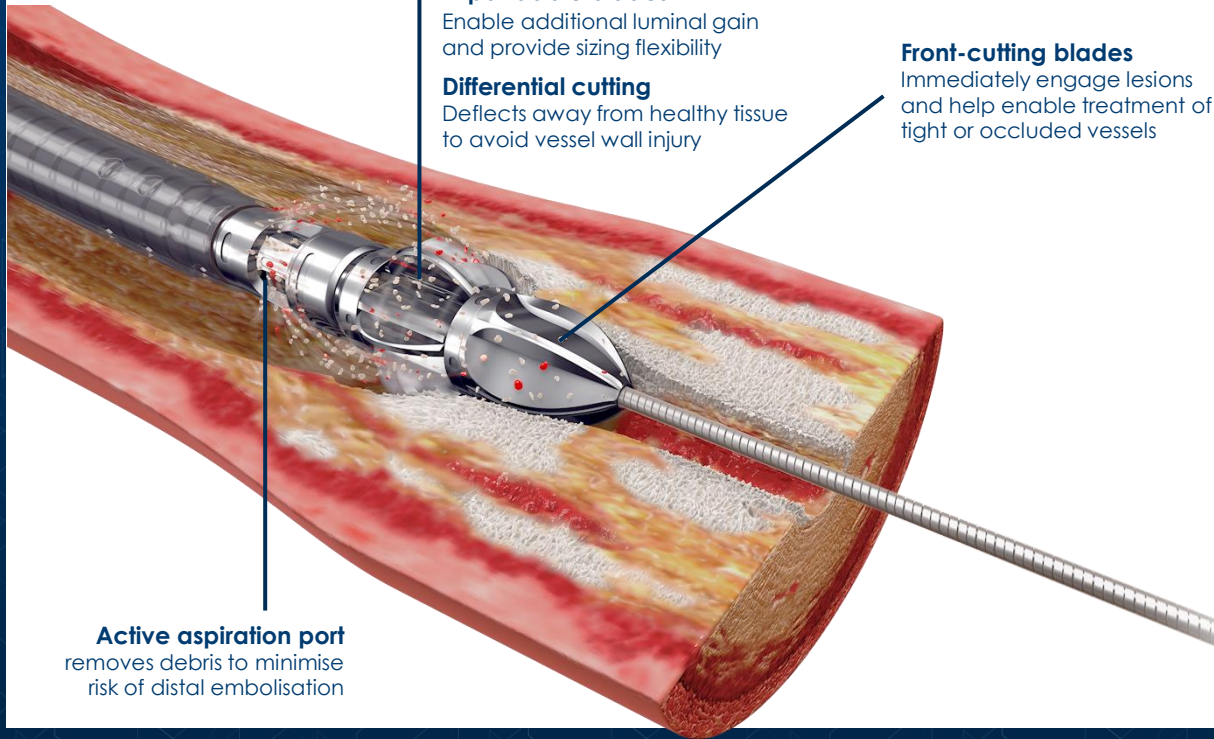
Rotational blades create concentric lumens to optimise device-to-wall apposition

Expandable blades enable additional luminal gain and provide sizing flexibility

Differential cutting deflects away from healthy tissue to avoid vessel wall injury

Front-cutting blades immediately engage lesions and help enable treatment of tight or occluded vessels

Active aspiration port removes debris to minimise risk of distal embolisation



The power to treat it all
with the confidence of built-in safety

Whatever the challenge, the unique design of Jetstream™ gives you the power and control to optimise vessel preparation:

- Plaque, thrombus, calcium
- Long, diffuse disease and CTOs
- In-stent restenosis

Indigo™ System | Computer-Aided Mechanical Aspiration

LIGHTNING

*Designed for Single Session
Thrombus Removal*



Lightning 12
with Separator™ 12

Lightning 7
with Separator 7

Product availability varies by country. Prior to use, please refer to the Instructions for Use for complete product indications, contraindications, warnings, precautions, potential adverse events, and detailed instructions for use. Please contact your local Penumbra representative for more information.

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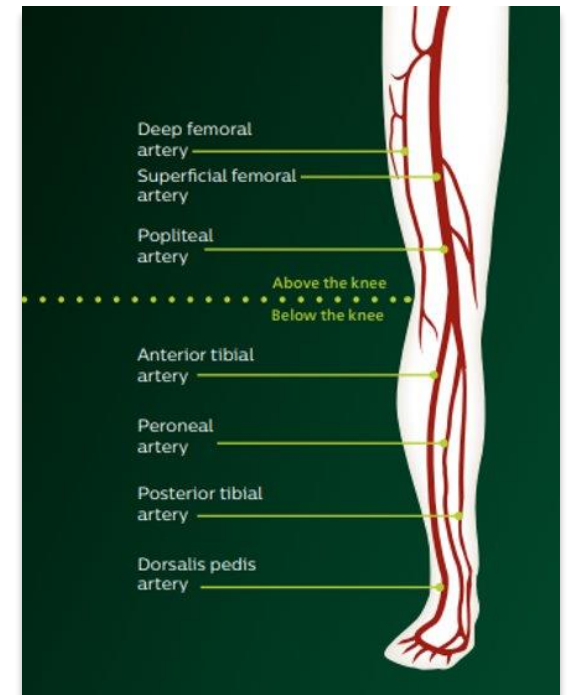
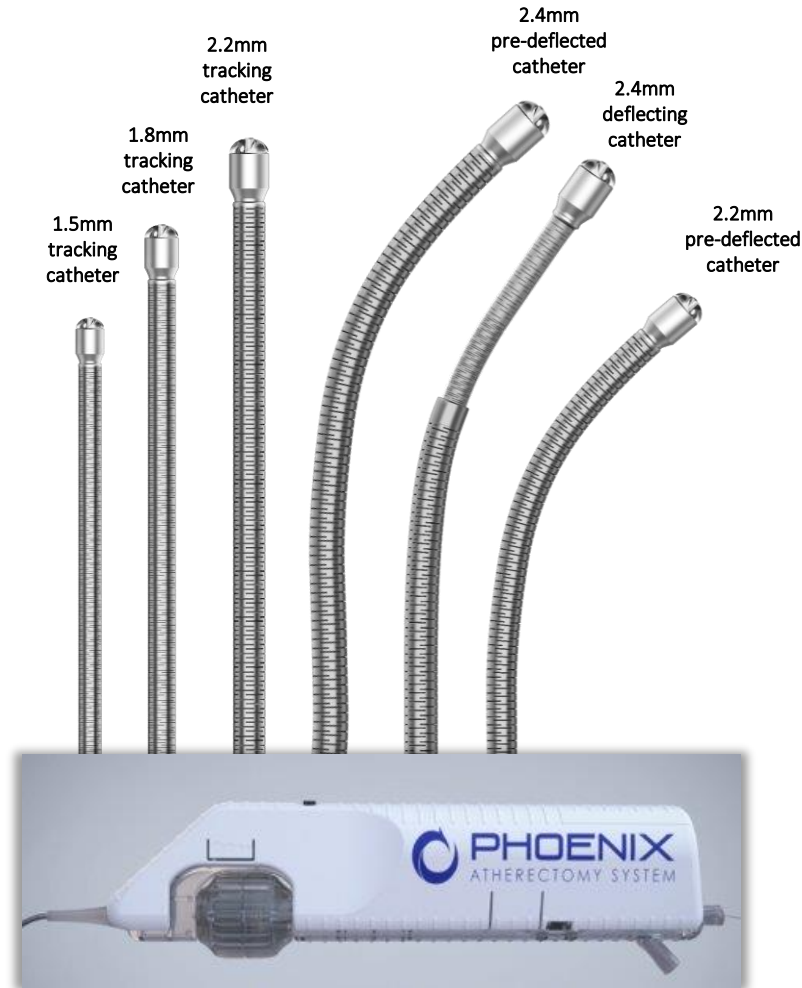
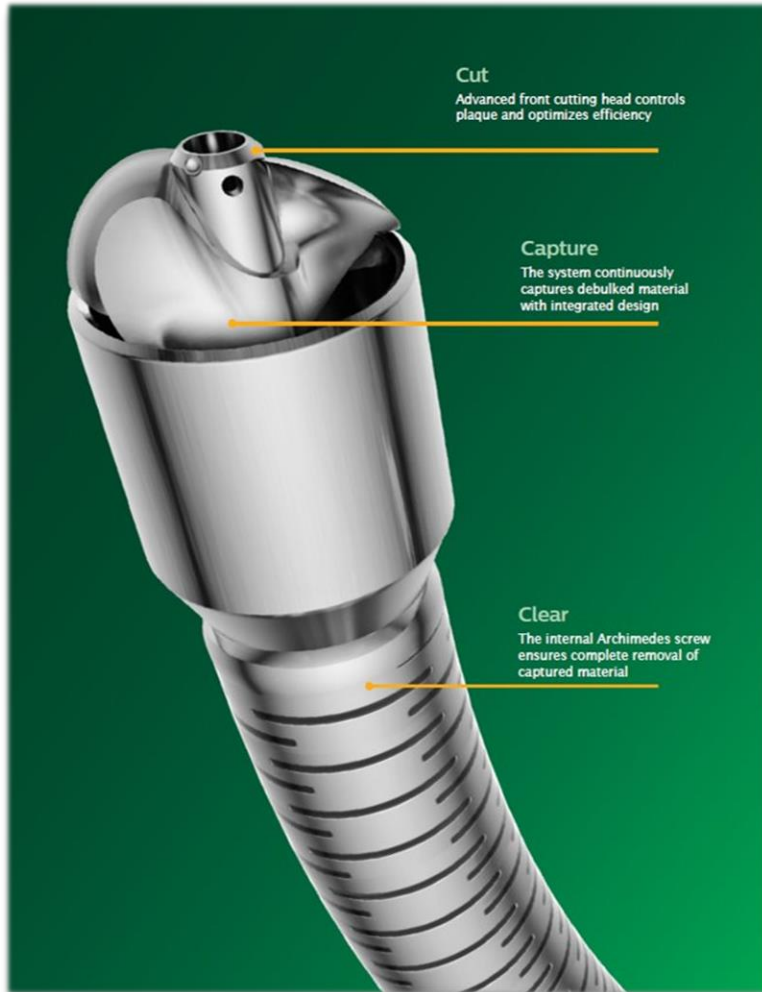
To view additional risk information,
please scan the QR code or visit:
<http://bit.ly/2BYj7Yj>



Phoenix – mechanical atherectomy system



The simple, safe and effective choice



HawkOne™

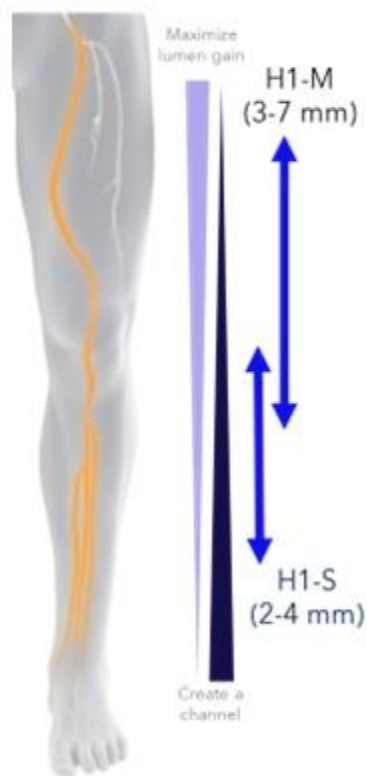
Directional Atherectomy System

Prepare for calcification removal

HawkOne™ Directional Atherectomy System debulks highly calcified lesions above and below the knee. Enhanced crossing and simpler cleaning make procedures more efficient – maximizing lumen gain.

Product details

- Treat soft plaque to severe calcium
- Treat with procedural efficiency - no capital equipment for quick and easy setup
- Simplified device selection in BTK cases with 6F platform



	6F		7F	
	H1-S	H1-M	H1-LS	H1-LX
Sheath Compatibility	6F	6F	7F	7F
Vessel Diameter (mm)	2.0-4.0	3.0-7.0	3.5-7.0	3.5-7.0
Crossing Profile (mm)	2.2	2.2	2.6	2.6
Working Length (cm)	151	135	114	114
Effective Length (cm)	145	129	107	104
Tip Length (cm)	5.9	5.9	6.6	9.6
Max Cut Length (mm)	40	40	50	75
Cutter height/depth	0.23 / 0.34	0.23 / 0.36	0.28 / 0.45	0.28 / 0.45

example

← Lower profile - smaller vessel Longer lesion - Larger vessel →

BTK Lesion Popliteal lesion
Short SFA Lesion 10 cm Stenosis
Short CFA lesion 15 cm Stenosis
10 cm CTO