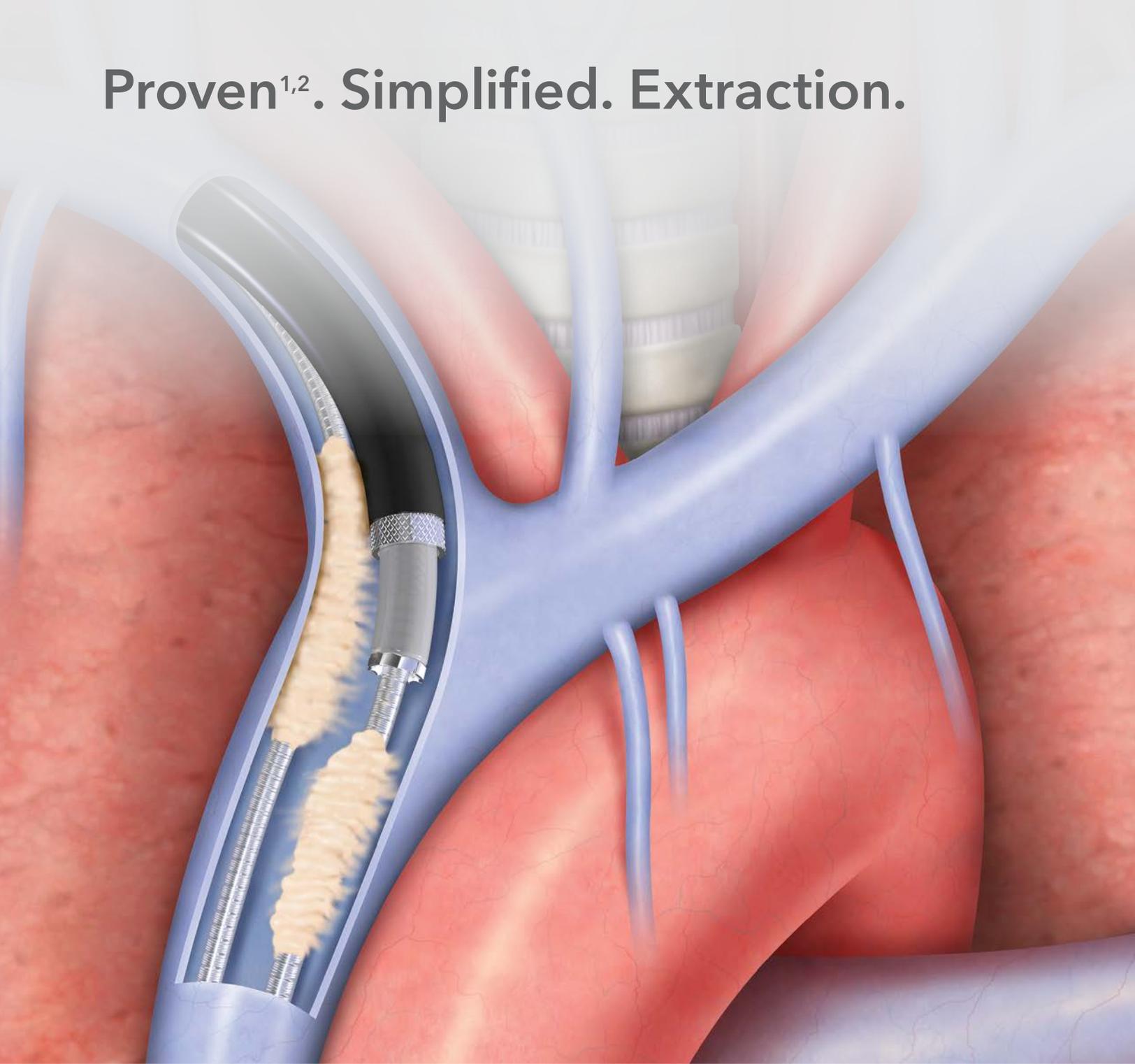


Proven^{1,2}. Simplified. Extraction.



ROTATIONAL TLE SYSTEM

Developing lead extraction devices which provide physicians excellent safety profiles is the focus of our work. In 2019, a retrospective study by Diaz³, et al, compiled and analyzed data from an estimated 50,545 lead extraction cases from 2011-2016. They compared the mortality rates for laser sheaths and rotating sheaths.

Researchers determined that lead extraction with laser sheaths appears to be associated with a higher risk of mortality when compared to rotating sheaths. Patients treated with rotational sheaths had a mortality rate 7.2 times lower than those whose leads were extracted with laser sheaths.

Explore the Cook Rotational TLE system.

Evolution[®] RL

CONTROLLED-ROTATION DILATOR SHEATH SET

Designed to provide physicians with the most control and user feedback during lead extraction procedures.

- 98.4% of leads with an implant duration of >10 years were removed with complete success⁴.
- Clinical success rates >99%^{1,2,4}.

Control

- The amount of sheath rotation is directly proportional to the length of the trigger pull, unlike powered devices which have a preset energy that is triggered upon activation.
- Control both the direction and speed of rotation.

Bidirectional extraction

- Actively extracts leads while rotating in either direction.

Flexibility

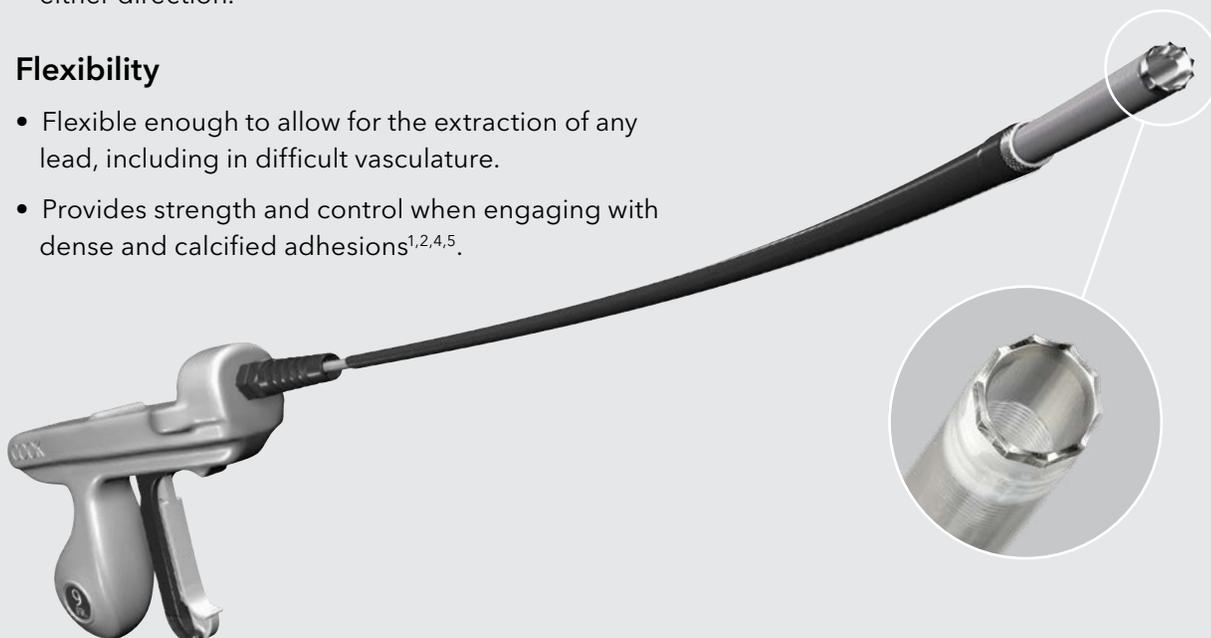
- Flexible enough to allow for the extraction of any lead, including in difficult vasculature.
- Provides strength and control when engaging with dense and calcified adhesions^{1,2,4,5}.

Decagon tip

- Ten-sided tip designed to peel the leads away from scar tissue.
- Disrupts tissue directly in contact with the tip, no forward extending blades.

No lead wrap or damage^{2,4,5}

- Recent studies have shown no occurrences of lead wrap or damage to companion leads.



Evolution® Shortie RL

CONTROLLED-ROTATION DILATOR SHEATH SET

Access every lead

The Evolution Shortie RL is built specifically for vessel entry into the subclavian veins. The Shortie RL combines all the control features of the Evolution RL with a shorter stiffer sheath and more aggressive tip to facilitate entry through dense scar tissue and calcification.



SteadySheath®

EVOLUTION® TISSUE STABILIZATION SHEATH

More visibility, better control

SteadySheath offers a textured radiopaque tip providing better visibility for the distal tip of the outer sheath. When used while encountering a binding site, the textured tip provides additional support by holding tissue in place while the inner sheath (Evolution RL/Evolution Shortie RL) rotates and frees the lead.



1. Sharma S, Ekeruo IA, Nand NP, et al. Safety and efficacy of transvenous lead extraction utilizing the evolution mechanical lead extraction system. *JACC Clin Electrophysiol.* 2018;4(2):212-220.
2. Migliore F, Testolina M, Sagone A, et al. Multicentre experience with the evolution rl mechanical sheath for lead extraction using a stepwise approach: safety, effectiveness and outcome. *Pacing Clin Electrophysiol.* 2019;1-9.
3. Diaz C, Guo X, Whitman I, et al. Reported mortality with rotating sheaths vs laser sheaths for transvenous lead extraction. *Europace.* 2019;0:1-7.
4. Mazzone P, Migliore F, Bertaglia E, et al. Safety and efficacy of the new bidirectional rotational Evolution® mechanical lead extraction sheath: results from a multicenter Italian registry. *Europace.* 2017;0:1-6.
5. Starck CT, Steffel J, Caliskan E, Holubec T, et al. Clinical performance of a new bidirectional rotational mechanical lead extraction sheath. *Europace.* 2016;18:253-6.

Evolution® RL

LEAD EXTRACTION™ SYSTEM

Order Number	Reference Part Number	Inner Sheath ID Fr	Outer Sheath OD Fr	Inner Sheath length cm
Evolution RL				
G23737	LR-EVN-9.0-RL	9.0	17.2	40.6
G23746	LR-EVN-11.0-RL	11.0	19.4	40.6
G23747	LR-EVN-13.0-RL	13.0	21.3	40.6

Evolution RL is compatible with the following:					
SteadySheath Evolution Tissue Stabilization Sheath					
		Compatible Sheath Fr	SteadySheath ID Fr	SteadySheath OD Fr	Length cm
G25082	LR-TSS-9.0	9.0	14.2	17.2	36.5
G25083	LR-TSS-11.0	11.0	16.2	19.4	36.5
G25084	LR-TSS-13.0	13.0	18.1	21.3	36.5

Evolution Shortie RL				
		Inner Sheath ID Fr	Outer Sheath OD Fr	Inner Sheath length cm
G23748	LR-EVN-SH-9.0-RL	9.0	17.2	13.6
G23749	LR-EVN-SH-11.0-RL	11.0	19.4	13.6

Evolution Shortie RL is compatible with the following:					
SteadySheath Evolution Shortie Tissue Stabilization Sheaths					
		Compatible Sheath Fr	SteadySheath ID Fr	SteadySheath OD Fr	Length cm
G31908	LR-TSS-SH-9.0	9.0	14.2	17.2	11.2
G31923	LR-TSS-SH-11.0	11.0	16.2	19.4	11.2

Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

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