THAT'S A REAL GAME CHANGER.

"The GuideLiner makes some impossible cases possible and difficult cases easier."*

- Interventional Cardiologist

"The GuideLiner has made complex procedures much easier, allowing me to succeed more quickly with less struggle."*

- Interventional Cardiologist

*These statements reflect the personal experience and opinion of the physician.



MULTIPLE CLINICAL USES



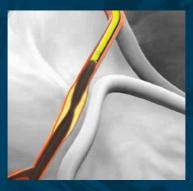
Deep-seating for coaxial alignment & backup support

DOCKET

Δ



Deep-seating for distal device delivery



Deep-seating for selective delivery of contrast

VSIMDT00020815

Find authenticated court documents without watermarks at docketalarm.com.





GuideLiner catheters are intended to be used in conjunction with guide catheters to access discrete regions of the coronary and/or peripheral vasculature, and to facilitate placement of interventional devices.

GuideLiner V3 Ordering Specifications					
Model	Size	Required Guide Catheter I .D.	GuideLiner I.D.	Rapid Exchange Length	Working Length
5570	5.5F	6F I.D. ≥0.066" (1.68mm)	0.051" (1.30mm)	25cm	150cm
5571	6F	6F I.D. ≥0.070" (1.78mm)	0.056" (1.42mm)	25cm	150cm
5572	7F	7F I.D. ≥0.078" (1.98mm)	0.062" (1.57mm)	25cm	150cm
5573	8F	8F I.D. ≥0.088" (2.24mm)	0.071" (1.80mm)	25cm	150cm

*Packaged in quantities of 1 unit per box.

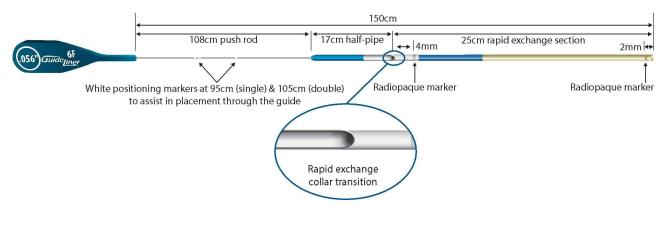
DOCKE

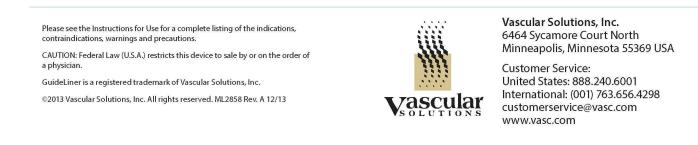
Δ

Δ

R M

GuideLiner V3 Dimensions





VSIMDT00020816

Find authenticated court documents without watermarks at docketalarm.com.

Makes even the most difficult intervention

A FAST AND SMOOTH RUN.



GUIDE EXTENSION CATHETER WITH HALF-PIPE TECHNOLOGY

VSIMDT00020817

Find authenticated court documents without watermarks at docketalarm.com.

DOCKET

Δ

END-TO-END INNOVATION

V3 COLLAR TRANSITION

V3 HALF-PIPE CHANNEL

V3 HALF-PIPE TECHNOLOGY

Revolutionary half-pipe design facilitates smooth device entry and seamless delivery. The GuideLiner V3 half-pipe minimizes device/collar interaction by directing and aligning devices through the collar transition.

► HALF-PIPE

DOCKET

Δ

RM

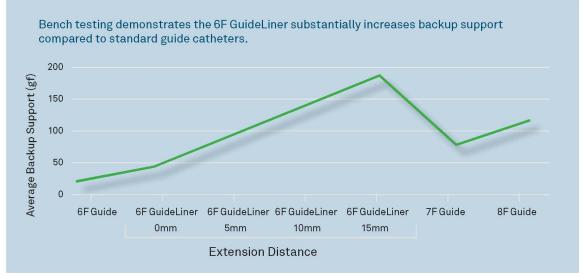
VSIMDT00020818

Find authenticated court documents without watermarks at <u>docketalarm.com</u>.

THAT HELPS SIMPLIFY CHALLEN

ADDED BACKUP SUPPORT

With as little as 5mm of extension, the GuideLiner greatly increases the backup support of a 6F guide catheter.



Testing completed by Vascular Solutions, Inc. Data on file.

RM



Find authenticated court documents without watermarks at docketalarm.com.

DOCKET A L A R M



Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.