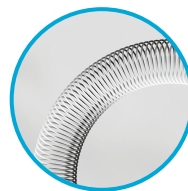
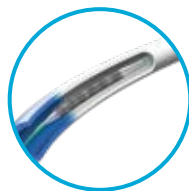




Beyond Tried.  
True.

GuideLiner® V3 Catheter  
Guide Extension Catheter With Half-Pipe Technology



# Beyond Tried. True.

In 2009, the GuideLiner® Catheter revolutionized the concept of guide extension, creating new possibilities in interventional cardiology. Now in its third generation, the GuideLiner® V3 Catheter continues to build on a history of innovation and performance—one that's been demonstrated with more than half a million catheters in cath labs around the world.<sup>1</sup>

“The GuideLiner gives me the confidence to deliver my chosen balloon or stent to almost any location.”<sup>2</sup>

– Michael S. Lee, MD, FACC, FSCAI

“The GuideLiner has become an indispensable part of my tool kit for complex PCI. Simply put, it's a game changer.”<sup>2</sup>

– Matthew Price, MD, FACC, FSCAI

<sup>2</sup> These statements reflect the personal experience and opinion of the physician.

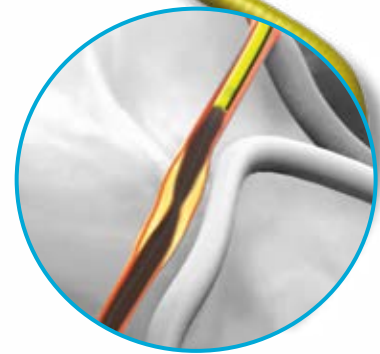
## Multiple Clinical Uses



Coaxial alignment and backup support



Deep-seating for distal device delivery



Selective delivery of contrast

<sup>1</sup> Data on file.

# Designed to Perform

It's not just the proprietary half-pipe technology that sets the GuideLiner® V3 Catheter apart. The coil-reinforced extension is specifically designed to enable dependable deep-seating for the delivery of interventional devices to distal locations.

Half-pipe channel

Collar transition

## Half-Pipe Technology

The half-pipe channel is designed to minimize device/collar interaction by directing and aligning devices through the collar transition, facilitating smooth device entry and seamless delivery.

Half a Million Catheters.

0 Reported Collar Separations in PCI.<sup>3</sup>

The half-pipe construction is also designed to minimize the opportunity for device separation by creating a 17 cm polymer bond between the extension and push rod.

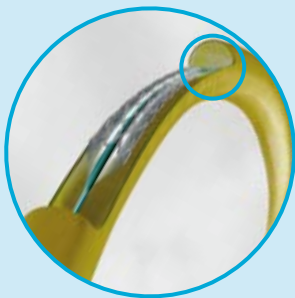
<sup>3</sup> Based upon a review of all device experience reports for coronary usage of GuideLiner® V3 Catheters from launch through February 13, 2018. Data on file.

# Tortuosity Tested

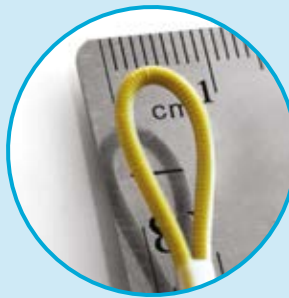
From challenging lesions to impossibly acute angles, percutaneous coronary interventions have grown more complex. Since being introduced, GuideLiner catheters have been recognized by interventionalists as essential tools for addressing difficult anatomies.

## Highly Flexible, Coil-Reinforced Guide Extension

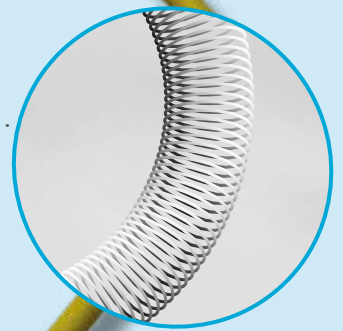
The GuideLiner® V3 Catheter's coil-reinforced guide extension provides excellent flexibility and kink resistance allowing delivery through tortuous vessels to reach ..... the target area.



Coil-reinforced guide extension is designed to maintain luminal integrity



Kink resistant<sup>4</sup>



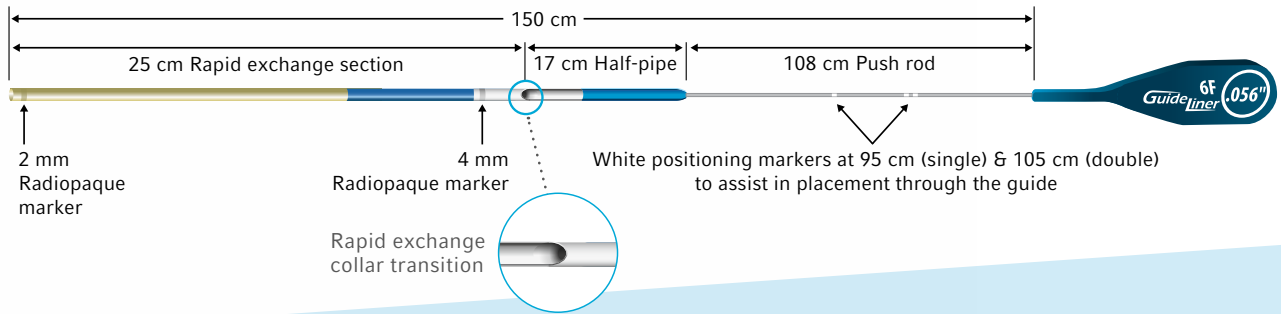
Proximal tab

Stainless steel push rod for strength and kink resistance

Ribbon wire push rod height (6 Fr.) = 0.012"

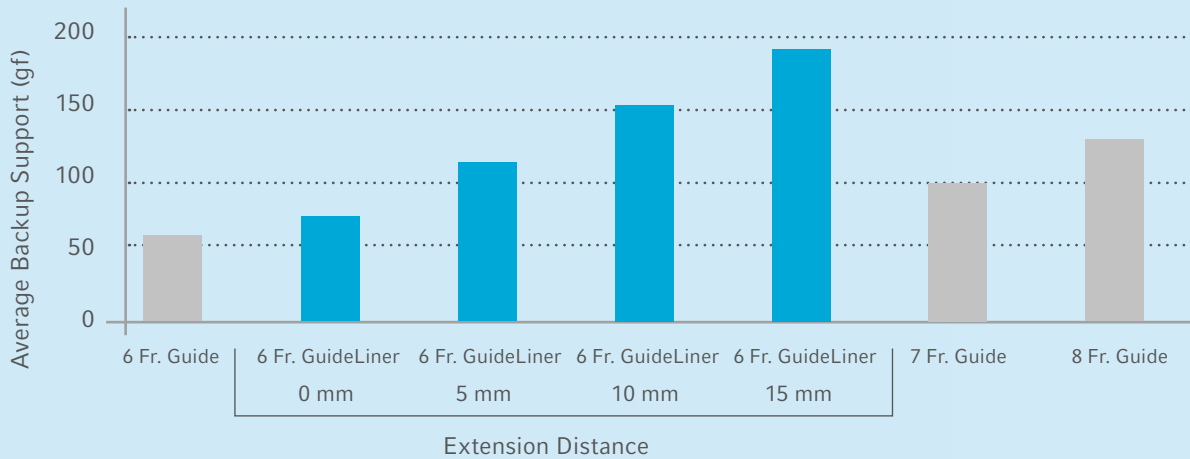
4 Data on file.

# GuideLiner® V3 Catheter Dimensions



## Added Backup Support

With as little as 5 mm of extension, bench testing has shown that the GuideLiner® V3 Catheter significantly increases the backup support of a 6 Fr. guide catheter.



Testing completed by Vascular Solutions, Inc. Data on file. Comparative data may not be indicative of clinical performance.

## GuideLiner® V3 Catheter

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.

PRODUCT NO.	SIZE	REQUIRED GUIDE CATHETER I.D.	PUSH ROD O.D.	GUIDE EXTENSION I.D.	TIP O.D.	RAPID EXCHANGE LENGTH	WORKING LENGTH
5569	5 Fr.	5 Fr. I.D. $\geq 0.056$ " (1.42 mm)	0.010" (0.25 mm)	0.046" (1.17 mm)	4.0 Fr. (1.35 mm / 0.053")	25 cm	150 cm
5570	5.5 Fr.	6 Fr. I.D. $\geq 0.066$ " (1.68 mm)	0.012" (0.30 mm)	0.051" (1.30 mm)	4.8 Fr. (1.60 mm / 0.063")	25 cm	150 cm
5571	6 Fr.	6 Fr. I.D. $\geq 0.070$ " (1.78 mm)	0.012" (0.30 mm)	0.056" (1.42 mm)	5.1 Fr. (1.70 mm / 0.067")	25 cm	150 cm
5572	7 Fr.	7 Fr. I.D. $\geq 0.078$ " (1.98 mm)	0.012" (0.30 mm)	0.062" (1.57 mm)	5.7 Fr. (1.90 mm / 0.075")	25 cm	150 cm
5573	8 Fr.	8 Fr. I.D. $\geq 0.088$ " (2.24 mm)	0.012" (0.30 mm)	0.071" (1.80 mm)	6.5 Fr. (2.16 mm / 0.085")	25 cm	150 cm

Packaged in quantities of 1 unit per box.

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Please see the Instructions for Use for a complete listing of the indications, contraindications, warnings and precautions. CAUTION: Federal Law (U.S.A.) restricts this device to sale by or on the order of a physician.

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