

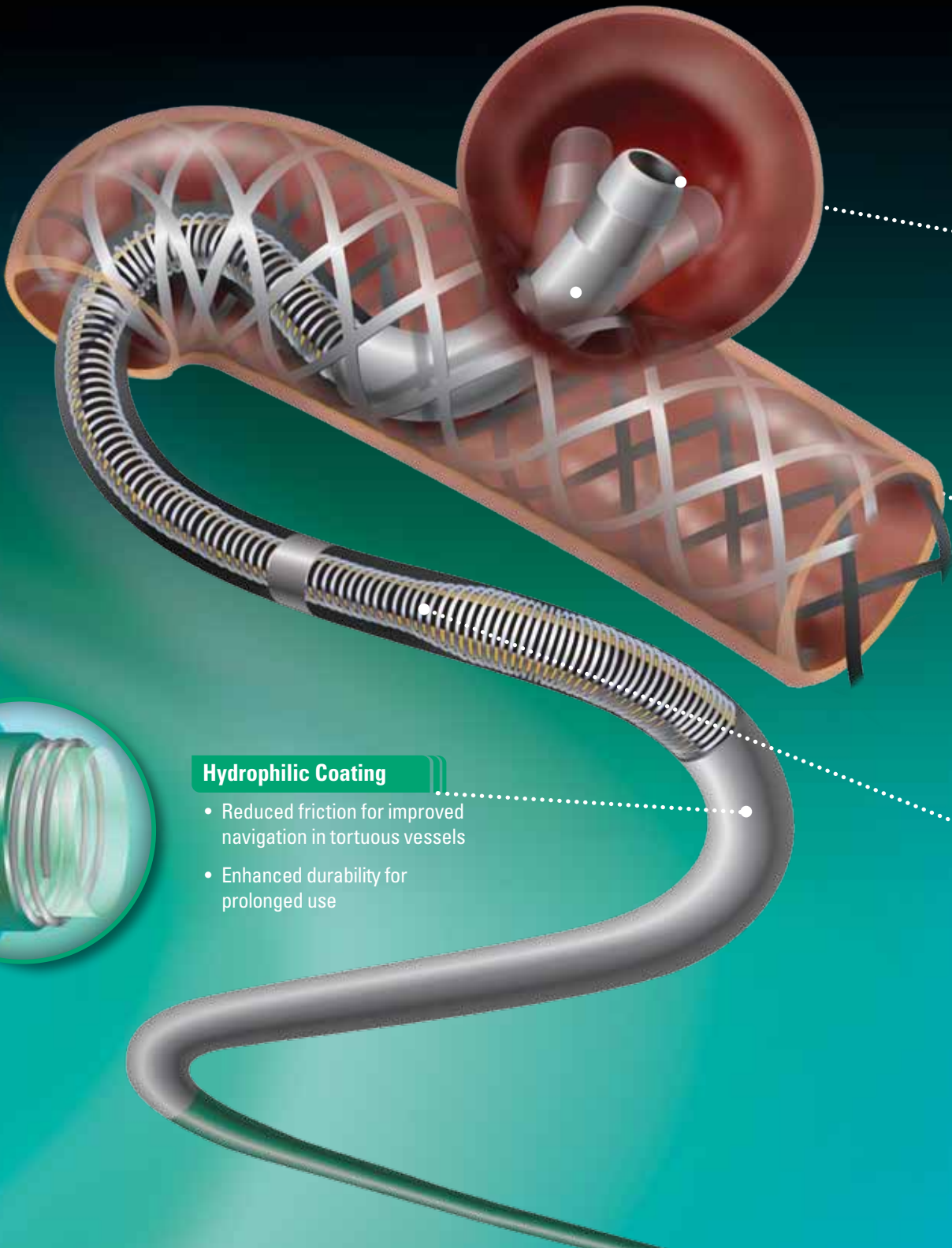
*Trackability / Shape Retention / Durability*

*Used with*





# HEADWAY® MICROCATHETER - N



### Hydrophilic Coating

- Reduced friction for improved navigation in tortuous vessels
- Enhanced durability for prolonged use

# EXT GENERATION CATHETER PERFORMANCE WITH IMPRO

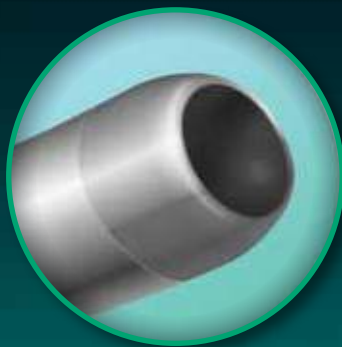
## Innovative Catheter Construction

**Headway 17** The unique construction of the Headway 17 microcatheter combines 7 progressive segments with a tapered PTFE liner and an atraumatic soft tip for enhanced performance in challenging anatomies. Two levels of softness and superior tip shapability allow for an optimized configuration for every procedure.

**Headway 21 and 27** The multi-segmented design of the Headway 21 and 27 microcatheters provides superb trackability and resistance to elongation, while the combination of a tight-pitch coil reinforcement and PTFE inner liner allows for the delivery of stents in a smooth, controlled manner.

### Rounded Tip

- Atraumatic soft tip facilitates smooth catheter advancement
- Rounded shape allows easier navigation through a deployed stent



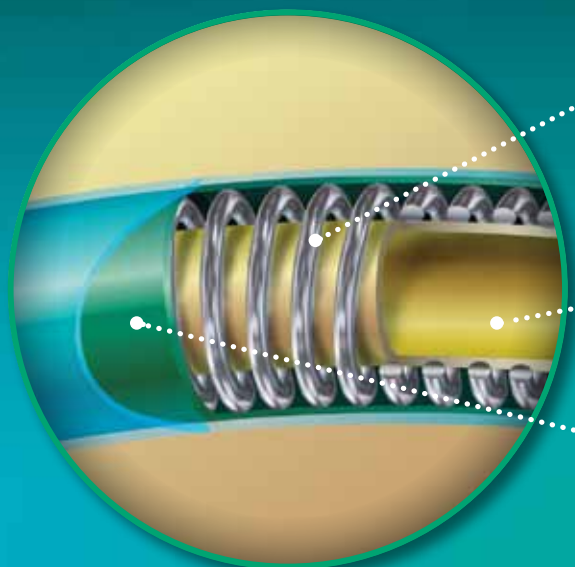
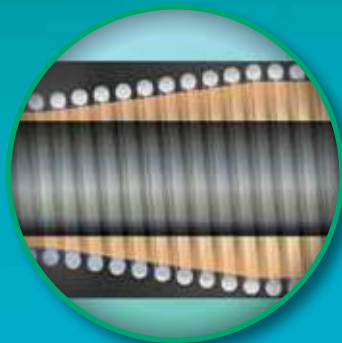
### Designed for Tip Shapability

- Easy to shape with steamer
- Advanced technology for better shape retention on distal tip



### Tapered PTFE Liner with Coil Reinforcement

- Tapered liner design allows true 1:1 push/pull control
- Tight-pitch coil reinforcement resists ovalization while maintaining maximum flexibility

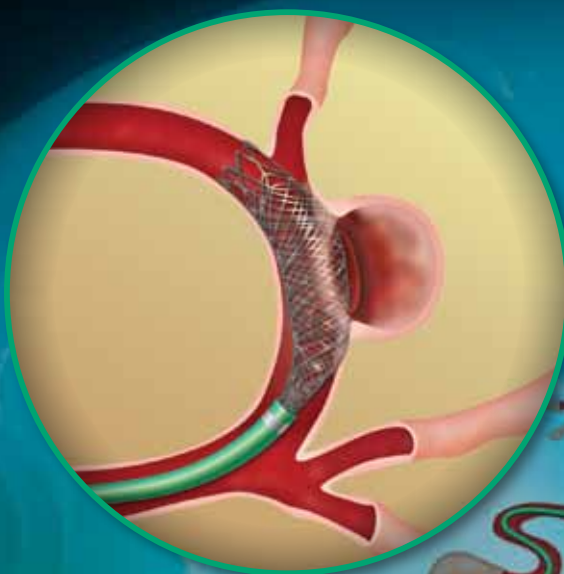


Headway<sup>®</sup> 21  
Microcatheter

Used with  **LVIS**  
Intraluminal Support Device

Headway<sup>®</sup> 27  
Microcatheter

Used with **FRED**  
Flow Redirection Embolism Device



### Coil Reinforced Catheter

- Tight pitch coil wind resists kinking and ovalization while maintaining maximum flexibility

### PTFE Liner

- Lubricious, yet durable inner liner for smooth stent delivery

### Robust Catheter Body

- Offers enhanced resistance to stretching and elongation while delivering stents or other less flexible devices



# Headway

Microcatheter

## A Complete Range of Sizes & Softness

Headway® microcatheters offer a wider selection of access solutions. With three sizes, two levels of support and three pre-shaped tip options available, there is a Headway microcatheter available for use in nearly any procedure. All Headway microcatheters are designed to optimize the performance of LVIS® and LVIS® Jr. Intraluminal Support Devices, FRED® System flow diverting stents, ERIC® Retrieval Devices, and embolic coils. Headway microcatheters are also PHIL™ Liquid Embolic System and DMSO compatible.

CHOOSE  
YOUR SIZE &  
LEVEL OF  
SOFTNESS

### SOFT SUPPORT ZONE

Soft support zone for greater sensitivity to coil delivery force

Headway<sup>17</sup> Advanced Soft  
Microcatheter

Headway<sup>17</sup> Advanced  
Microcatheter

Headway<sup>17</sup> Advanced  
Microcatheter - Pre-shaped tip

Pre-Shaped Tips



45°



90°



"J"

Headway<sup>21</sup>  
Microcatheter

Headway<sup>27</sup>\*  
Microcatheter

### ENHANCED SUPPORT ZONE

More support in the distal shaft to reduce catheter movement in challenging anatomy and ensure accurate device delivery.

\*Also available in 156cm hybrid braid/coil design version for improved flow diverter delivery experience.

# SPECIFICATIONS

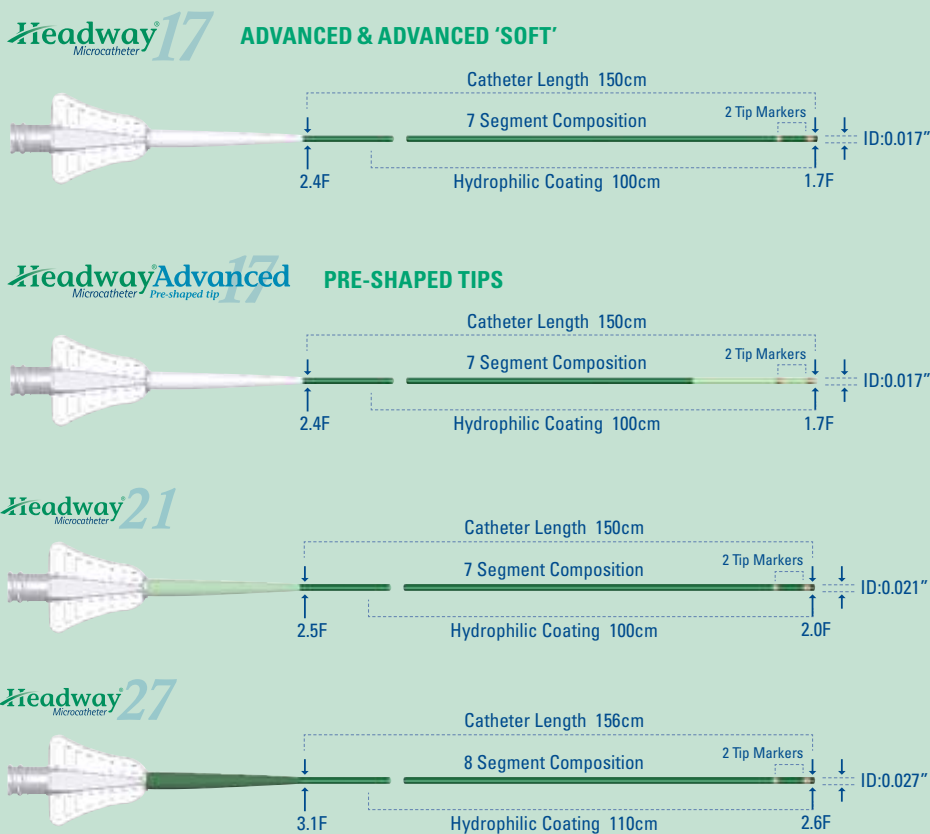
## Headway®

Microcatheter with Hydrophilic Coating

1 per box. Includes shaping mandrel and introducer sheath.

Product Name	Description	Product Code	ID (inches)	Tip Shape	Usable Length (cm)	OD Prox./Distal (French)	Tip Markers
Headway17 Advanced 'Soft'	Straight	MC172150S	0.017	STR	150	2.4 / 1.7	2
Headway17 Advanced	Straight	MC172150SX	0.017	STR	150	2.4 / 1.7	2
Headway17 Advanced	Pre-shaped tip 45	MC17215045X	0.017	45	150	2.4 / 1.7	2
Headway17 Advanced	Pre-shaped tip 90	MC17215090X	0.017	90	150	2.4 / 1.7	2
Headway17 Advanced	Pre-shaped tip J	MC172150JX	0.017	J	150	2.4 / 1.7	2
Headway21	Straight	MC212150S	0.021	STR	150	2.5 / 2.0	2
Headway27	Straight	MC272150S	0.027	STR	150	3.1 / 2.6	2
Headway27	Straight	MC272156S	0.027	STR	156	3.1 / 2.6	2

Dead space of Headway® 17 microcatheter is 0.41cc and 0.26cc with MicroVention hub adaptor.



Includes Shaping Mandrel and Introducer Sheath



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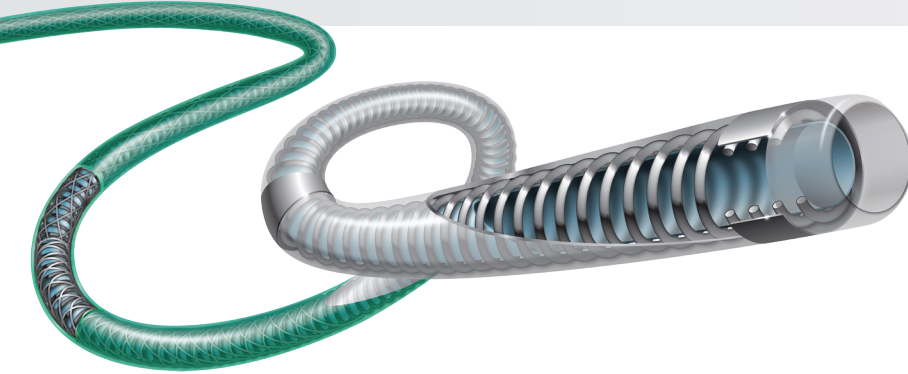


# Headway™

Microcatheters with DUO Technology

International

Engineered for excellent trackability.<sup>1,2</sup>



## Highly Trackable<sup>1,2</sup>

- Flexible distal tip enables excellent navigation through tortuosity, while supportive proximal end maximizes pushability<sup>1,2</sup>
- Round tip to minimize ledge effect

## Low-Profile Outer Diameter

- Enhances compatibility for dual catheter technique<sup>3</sup>
- Promotes navigability and ease of access

# Headway 17

Advanced Microcatheters

Trusted Performance. Stable. Versatile.<sup>1</sup>

## Excellent Versatility

Four shapes, two support levels, many access solutions:

- Stent and coil delivery
- DMSO compatible

## Optimized Stability<sup>1</sup>

- Seven unique transition zones provide support for delivering a range of devices



# Headway

## Microcatheter Portfolio

### Headway Microcatheters with DUO Technology

Product Name	Catalog Number	Distal/Proximal ID		Tip Shape	Distal OD			Proximal OD			Usable Length (cm)	Tip Markers	Dead Space (cc)	Max Burst Pressure (psi)
		(in)	(mm)		(F)	(in)	(mm)	(F)	(in)	(mm)				
Headway DUO 167 cm	MC162167S	0.013/ 0.0165	0.33/ 0.42	Straight	1.3	0.017	0.43	2.1	0.028	0.71	167	1	0.35	700
Headway DUO 156 cm	MC162156S	0.0165	0.42	Straight	1.6	0.021	0.53	2.1	0.028	0.71	156	2	0.34	700
Headway 21	MC212156S	0.021	0.53	Straight	2.0	0.026	0.67	2.5	0.033	0.84	156	2	0.55	300
Headway 27	MC272156S	0.027	0.69	Straight	2.6	0.034	0.86	3.1	0.041	1.04	156	2	0.83	300

All microcatheter tips are steam shapeable  
All microcatheters are DMSO compatible

### Headway 17 Advanced Microcatheters

Product Name	Catalog Number	Distal/Proximal ID		Tip Shape	Distal OD			Proximal OD			Usable Length (cm)	Tip Markers	Dead Space (cc)	Max Burst Pressure (psi)
		(in)	(mm)		(F)	(in)	(mm)	(F)	(in)	(mm)				
Headway 17 Advanced Soft	MC172150S			Straight										
Headway 17 Advanced	MC172150SX	0.017	0.43	Straight	1.7	0.022	0.56	2.4	0.032	0.81	150	2	0.41	300
	MC17215045X			45°										
	MC17215090X			90°										
	MC172150JX			J										

All microcatheter tips are steam shapeable  
All microcatheters are DMSO compatible

1. TR18-326; n=3
2. TR18-327; n=3
3. Ko, Jung Ho, et al. "Dual Microcatheter Technique within a 5 French Guiding Catheter for Intracranial Aneurysm: Technical Notes", World Neurosurgery, <https://doi.org/10.1016/j.wneu.2020.01.071>

#### INDICATIONS FOR USE

The Headway Microcatheter is intended for general intravascular use, including the peripheral, coronary and neuro vasculature for the infusion of diagnostic agents, such as contrast media, and therapeutic agents, such as occlusion coils.

The Headway DUO Microcatheter is intended for general intravascular use, including the peripheral and coronary vasculature for the infusion of diagnostic agents, such as contrast media, and therapeutic agents, such as embolization materials.

The Headway DUO Microcatheter is intended for neurovascular use, for the infusion of diagnostic agents, such as contrast media, and therapeutic agents that have been cleared or approved for use in the microvasculature and are compatible with the inner diameter of the Headway DUO Microcatheter.

Intended for Healthcare professional use only.

This device should be used only by physicians trained in percutaneous, intravascular techniques and procedures at medical facilities with the appropriate fluoroscopy equipment.

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