

Innovative Catheter Technology

Unique braid/coil construction for the lowest profile of any 0.014"/ 0.012" guidewire compatible catheter

Headway® Duo Microcatheter

Microcatheter with Hydrophilic Coating

1 per box; includes shaping mandrel and introducer sheath

Product Name	Product Code	ID Body/Tip (inches)	Tip Shape	Usable Length (cm)	Flexible Distal Length (cm)	OD Prox./Dist. (French)	Dead Space	Tip Markers
Headway Duo, 156cm	MC162156S	0.0165 / 0.0165	STR	156	9	2.1 / 1.6	0.34 ml	2
Headway Duo, 167cm	MC162167S	0.0165 / 0.013	STR	167	9	2.1 / 1.3	0.35 ml	1

Features Benefits

Hybrid Braid/Coil Design

Tight pitch coil provides lumen integrity and bending flexibility

Proximal braid provides firmness and a torqueable catheter body

Resists kinking and ovalization

Small OD, Large ID 156cm Headway® Duo microcatheter compatible with coils and ≤0.014" OD guidewires

0.0165" body ID microcatheter with low profile distal tip

167cm Headway® Duo microcatheter compatible with ≤0.014"/≤0.012" (proximal/distal OD) guidewires

0.0165" body ID microcather with 0.013" ID distal tapered tip

Superior Trackability True 1:1 push/pull while tracking through tortuous anatomy

Liquid Embolic Compatibility Compatible with PHIL™ Liquid Embolic, Onyx™ Liquid Embolic, nBCA and DMSO

High burst strength (700 psi)

Long length allows distal lesion access

Soft Distal Tip Smooth, atraumatic tracking

Excellent tip "painting" ability



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MicroVention Europe, S.A.R.L.
MicroVention Deutschland GmbH

Web

PH +1.714.247.8000

















HEADWAY® MICROCATHETER - N





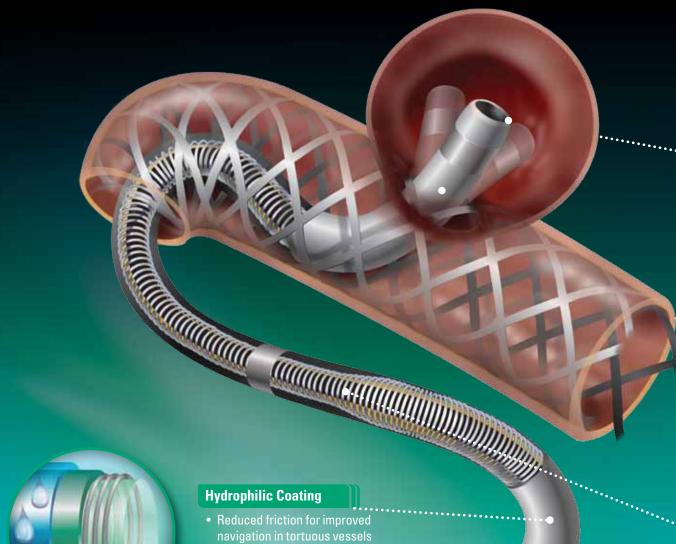


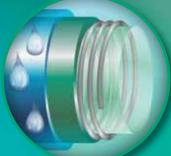












- prolonged use

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



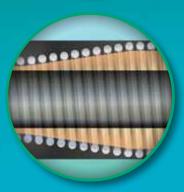
Designed for Tip Shapability

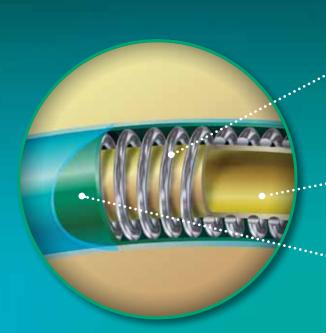
- · Easy to shape with steamer
- Advanced technology for better shape retention on distal tip



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





VED TRACKABILITY AND CONTROL



Used with RED



Weadway 27

Used with &LVIS.

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



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 $^{\text{TM}}$ Liquid Embolic System and DMSO compatible.

CHOOSE YOUR SIZE & LEVEL OF SOFTNESS

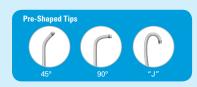
SOFT SUPPORT ZONE

Soft support zone for greater sensitivity to coil delivery force

Lieadway Advanced Soft

Headway Advanced

Lieadway Advanced



HeadwayMicrocatheter

HeadwayMicrocatheter

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

ENHANCED SUPPORT ZONE

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

SPECIFICATIONS

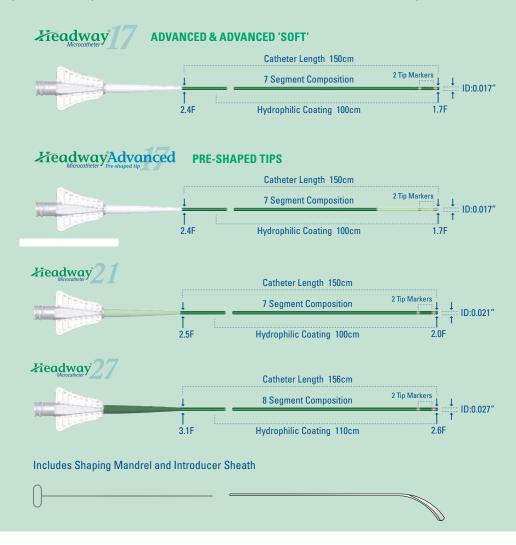
Headway[®]

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.





Tustin, CA 92780 USA PH +1.714.247.8000 PH 1.800.990.8368

MicroVention UK Limited

Suite 3, The Barracks Building 10 Cliffords Fort, North Shields Tyne and Wear, NE30 1JE UK PH +44 (0) 191 258 6777 F +44 (0) 191 258 5999

MicroVention Europe

30 bis, rue du Vieil Abreuvoir 78100 Saint-Germain-en-Laye France

PH +33 (1) 39 21 77 46 F +33 (1) 39 21 16 01

MicroVention Deutschland GmbH

Hildebrandtstr. 4 F D-40215, Düsseldorf Germany PH +49 211 210 798-0 F +49 211 210 798-29



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Lieadway 156cm

Microcatheter

Now with Due Technology

Hybrid braid/coil construction to improve stent delivery experience













Stretch Resistant Shaft

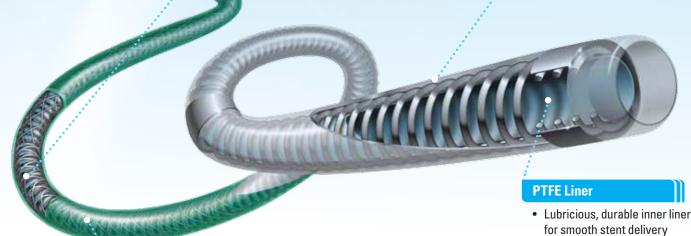
 For stability and prevention of catheter body twisting

Hybrid Braid & Coil Design

- Coil reinforcement provides lumen integrity, bending flexibility and excellent shape retention
- Proximal variable braid reinforcement provides support and torque control
- Hybrid design provides 1:1 push/ pull control for trackability

Soft Distal Shaft

Smooth and atraumatic tracking



Lubricious Hydrophilic Coating

 Reduced friction during navigation in tortuous anatomy and during lengthy procedures



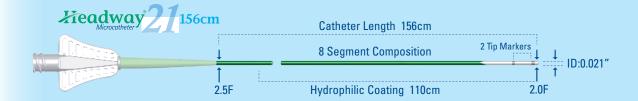
SPECIFICATIONS

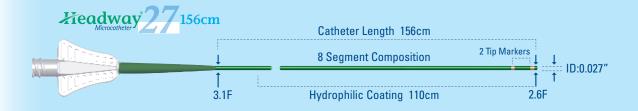
Headway® 21 & 27 (156cm) Microcatheter

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Benefits Features Proximal column strength for ✓ Facilitate access to the lesion stability and torqueability · 156cm working length with distal flexible transitions **Technology** ✓ Smooth device trackability · Resistance to kinking and ovalization Hybrid Braid/Coil · Resistance to stretching ✓ Controlled device delivery Design Resistance to twisting



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.

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Lieadway 156cm

Microcatheter

Now with Due Technology

Hybrid braid/coil construction to improve stent delivery experience













Stretch Resistant Shaft

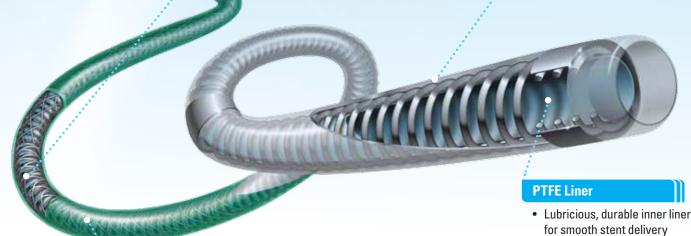
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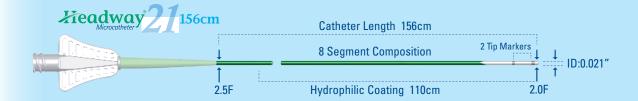
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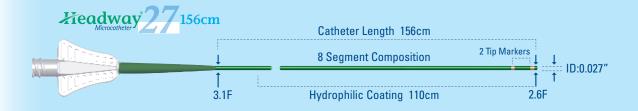
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