

## **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<br>Body/Tip<br>(inches) | Tip<br>Shape | Usable<br>Length<br>(cm) | Flexible<br>Distal<br>Length<br>(cm) | OD<br>Prox./Dist.<br>(French) | Dead<br>Space | Tip<br>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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## **HEADWAY® MICROCATHETER - N**





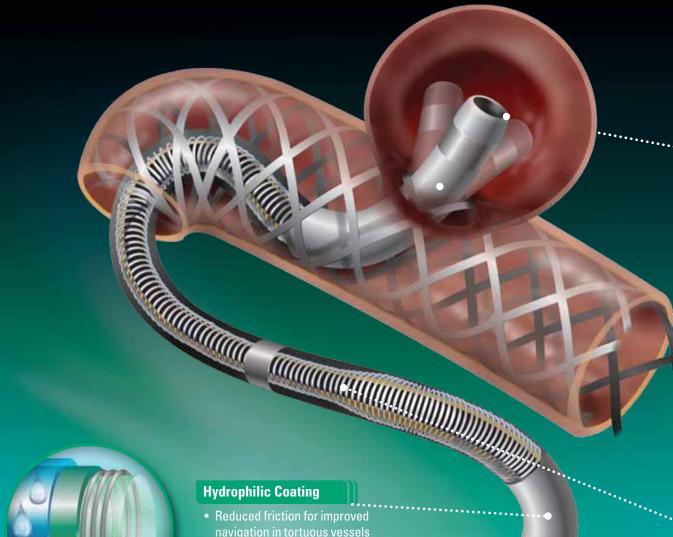














- navigation in tortuous vessels
- prolonged use

## 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



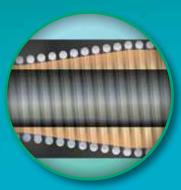
## Designed for Tip Shapability

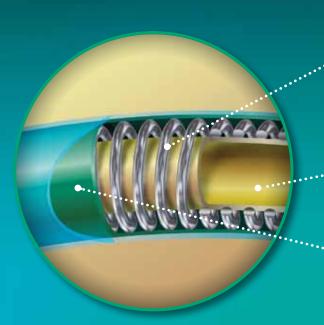
- Easy to shape with steamer
- Advanced technology for better shape retention on distal tip



## 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**





Weadway 27





### **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

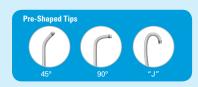
#### **SOFT SUPPORT ZONE**

Soft support zone for greater sensitivity to coil delivery force

**Lieadway** Advanced Soft

**Headway Advanced** 

Lieadway Advanced



**Lieadway**Microcatheter

**Weadway** Microcathetery

\*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**

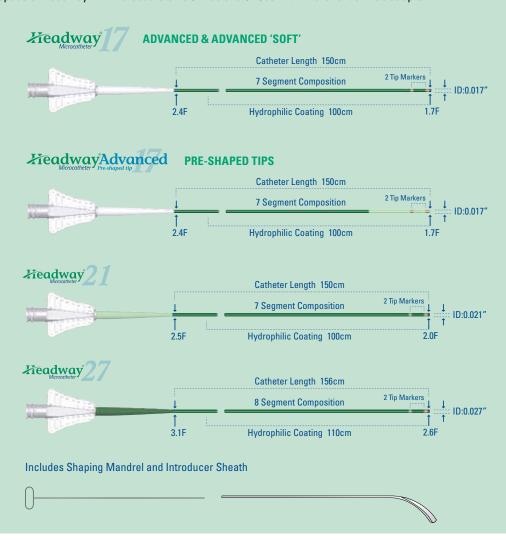
### **Headway**<sup>®</sup>

Microcatheter with Hydrophilic Coating

1 per box. Includes shaping mandrel and introducer sheath.

| Product Name              | Description       | Product Code | ID<br>(inches) | Tip<br>Shape | Usable<br>Length<br>(cm) | OD<br>Prox./Distal<br>(French) | Tip<br>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.





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Headway 156cm

Microcatheter

Now with Due Technology

Hybrid braid/coil construction to improve stent delivery experience













### **Stretch Resistant Shaft**

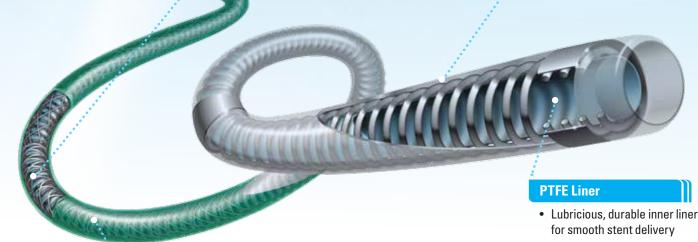
 For stability and prevention of catheter body twisting

### **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



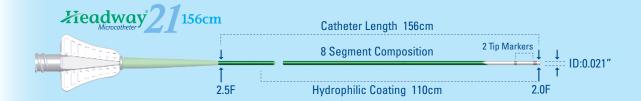
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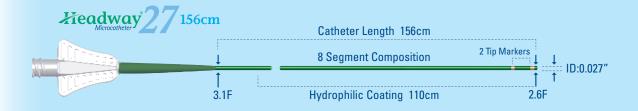
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| Headway 27 156cm | Straight    | MC272156S    | 0.027          | STR          | 156                      | 3.1 / 2.6                      | 2              |





### **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

# **MicroVention**

### 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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Headway 156cm

Microcatheter

Now with Due Technology

Hybrid braid/coil construction to improve stent delivery experience













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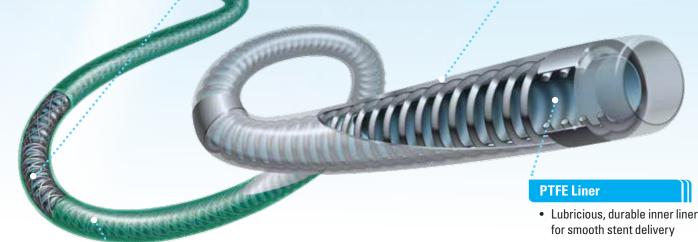
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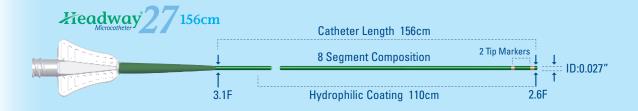
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