Headway™

Microcatheters with DUO Technology

International

Engineered for excellent trackability.^{1,2}



Highly Trackable^{1,2}

- Flexible distal tip enables excellent navigation through tortuousity, while supportive proximal end maximizes pushability^{1,2}
- Round tip to minimize ledge effect



Low-Profile Outer Diameter

- Enhances compatibility for dual catheter technique³
- · Promotes navigability and ease of access

Headway 17

Advanced Microcatheters

Trusted Performance. Stable. Versatile.1

Excellent Versatility

Four shapes, two support levels, many access solutions:

- Stent and coil delivery
- DMS0 compatible

Optimized Stability¹

 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 (in) (mm) | | Tip Shape | Distal OD (F) (in) (mm) | | Proximal OD (F) (in) (mm) | | Usable Length (cm) | Tip Markers | Dead Space (cc) | Max Burst Pressure (psi) | | |
| 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 (in) (mm) | | Tip Shape | Distal OD (F) (in) (mm) | | Proximal OD (F) (in) (mm) | | | Usable Length (cm) | Tip Markers | Dead Space (cc) | Max Burst Pressure (psi) | |
| Headway 17 Advanced Soft | MC172150S | 0.017 | 0.43 | Straight | 1.7 | 0.022 | 0.56 | 2.4 | 0.032 | 0.81 | 150 | 2 | 0.41 | 300 |
| Headway 17 Advanced | MC172150SX | | | Straight | | | | | | | | | | |
| | 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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