

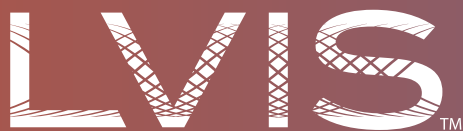


LVIS™

Intraluminal Support Device

Used with
Headway 21
Microcatheter





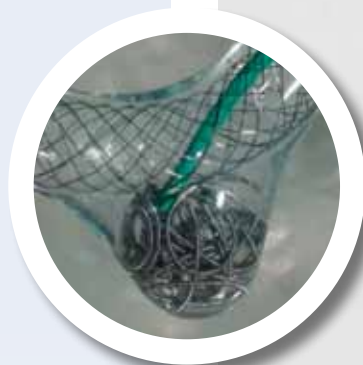
Intraluminal Support Device

Low-profile Visualized Intرالuminal Support

Next generation technology for optimal intraluminal support and coverage for stent-assist coil procedures

The LVIS device is intended for use with embolic coils for the treatment of intracranial neurovascular diseases.

- ◆ Single nitinol wire, braided with flared ends provide ease of deployment and vessel apposition with minimal ovalization
- ◆ Retrievable up to 80% deployment
- ◆ Hybrid, compliant closed-cell support offers conformability and ease of passing microcatheter through cell struts
- ◆ .021 Headway microcatheter compatible
- ◆ Trackability through tortuous vessels
- ◆ Radiopaque tantalum proximal / distal markers and double helix tantalum strands to assist full-length visualization
- ◆ 3 fully expanded diameter sizes cover 2.0mm to 5.0mm parent vessels



4

Single Nitinol Wire Braid

Hybrid closed-cell design along with a proprietary surface treatment process offers exceptional ease of use:

- ◆ Excellent trackability through tortuous vessels
- ◆ Optimized vessel apposition with minimal ovalization around acute bends
- ◆ Smooth LVIS device deployment, with retrievability up to 80% deployed





1

4 Radiopaque Distal Markers

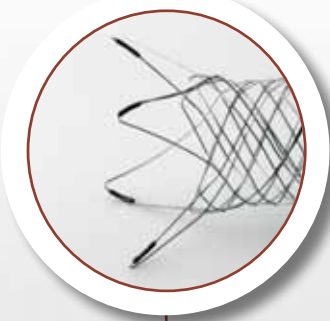
- ◆ Ensures clear visibility and enhanced distal LVIS device placement accuracy

2

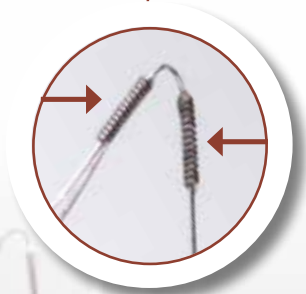
4 Radiopaque Proximal Markers

- ◆ Uniquely grouped pattern ensures clear visibility for LVIS device placement accuracy and refined device retrievability

Radiopaque Distal Markers



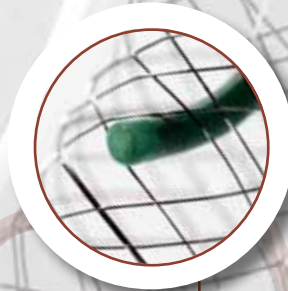
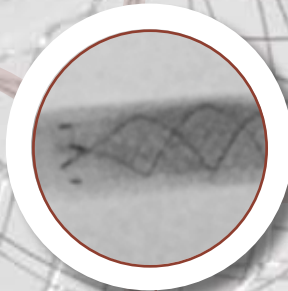
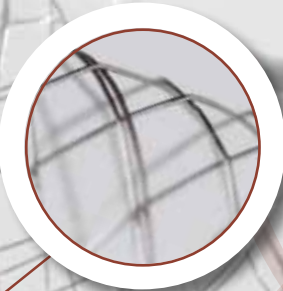
Radiopaque Proximal Markers



3

Flared Ends

- ◆ Provide superb anchoring, vessel apposition and expansive conformability, to assist LVIS device placement stability and accuracy



6

Compliant Cell System

Sliding design adapts to different physician coil embolization techniques, while providing optimal intraluminal support:

- ◆ 1mm cell size complements today's softer, smaller embolization coils
- ◆ Higher metal-to-surface coverage to help promote endothelialization

5

2 Radiopaque Strands

- ◆ Double helical pattern for full-length visualization

SPECIFICATIONS

LVIS™ Device

Intraluminal Support Device

Low-profile Visualized Intraluminal Support

One unit per box

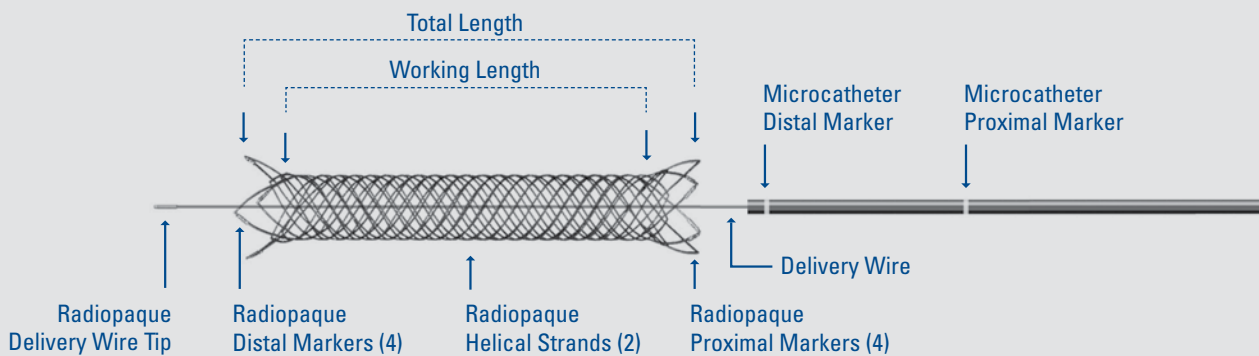
| Product Code | Recommended Vessel Diameter (mm) | Fully Open Implant Diameter* (mm) | Total Length / Working Length** (mm) | Total Length / Working Length** (mm) | Total Length / Working Length** (mm) | Total Length / Working Length** (mm) |
|--------------|----------------------------------|-----------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| | | | 2.0mm OD | 2.5mm OD | 3.0mm OD | 3.5mm OD |
| 212517-CAS | 2.0 – 3.0 | 3.5 | 24 / 18 | 23 / 17 | 21 / 15 | 15 / 9 |
| 212525-CAS | 2.0 – 3.0 | 3.5 | 32 / 26 | 31 / 25 | 28 / 22 | 20 / 14 |
| | | | 3.0mm OD | 3.5mm OD | 4.0mm OD | 4.5mm OD |
| 213015-CAS | 3.0 – 4.0 | 4.5 | 21 / 15 | 20 / 14 | 18 / 12 | 15 / 9 |
| 213025-CAS | 3.0 – 4.0 | 4.5 | 31 / 25 | 29 / 23 | 27 / 21 | 20 / 14 |
| 213041-CAS | 3.0 – 4.0 | 4.5 | 47 / 41 | 44 / 38 | 40 / 34 | 30 / 24 |
| | | | 4.0mm OD | 4.5mm OD | 5.0mm OD | 5.5mm OD |
| 214035-CAS | 4.0 – 5.0 | 5.5 | 41 / 35 | 38 / 32 | 34 / 28 | 20 / 14 |
| 214049-CAS | 4.0 – 5.0 | 5.5 | 55 / 49 | 49 / 43 | 43 / 37 | 25 / 19 |

Notes:

Compatible Microcatheter: Headway® 21 (inner diameter = 0.021" or 0.53mm)

* Fully Expanded (Max) OD with no constraints

** Total Length (which includes flared ends) = Working Length + 6 mm (3mm each side)



Headway®

Microcatheter with Hydrophilic Coating

Headway²¹
Microcatheter

One unit per box – includes shaping mandrel and introducer sheath

| Product Name | Description | Product Code | ID (in / mm) | Tip Shape | Usable Length (cm) | OD Prox./Distal (French) | Tip Markers |
|--------------|-------------|--------------|--------------|-----------|--------------------|--------------------------|-------------|
| Headway21 | Straight | MC212150S | 0.021 | STR | 150 | 2.5 / 2.0 | 2 |

MicroVention, Inc.
Worldwide Headquarters
1311 Valencia Ave.
Tustin, CA 92780, USA
PH +1.714.247.8000
PH 800.990.8368

MicroVention United Kingdom
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 52 17
F +33 (1) 39 21 16 01

MicroVention GmbH
Berliner Allee 61
D-40212, Düsseldorf
Germany
PH +49 211 210 798-0
F +49 211 210 798-29



MICROVENTION is a registered trademark of MicroVention, Inc. LVIS is a trademark of MicroVention, Inc. • Scientific and clinical data related to this document are on file at MicroVention, Inc. Refer to Instructions for Use for additional information.
© 2012 MicroVention, Inc. MM230(I) Rev.B 06/12



www.microvention.com