Leading the way with new technologies and products

MicroVention Product 2014 Catalog International



microvention.com

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Note: this international catalog may contain products which are not available for sale or distribution in all countries, due to Regulatory requirements.



MICROVENTION, MicroPlex, Cosmos, VFC, HyperSoft, HydroSoft, HydroFrame, HydroFill, V-Trak, V-Grip, Chaperon, Traxcess, Headway, Scepter C, Scepter XC, LVIS, FRED and ERIC are registered trademarks of MicroVention, Inc. PHIL, SOFIA and CASPER are trademarks of MicroVention, Inc. Scientific and clinical data related to this document are on file at MicroVention, Inc. Refer to Instructions for Use, contraindications and warnings for additional information. ©2014 MicroVention, Inc. MM259(I) 12/14 Rev.C





Complex Coils



Cosmos® Complex Coils

For framing, filling and finishing

10 Coil Size

Recommended 2-Tip Marker Microcatheter ≥.0165" Lumen (Stretch-Resistant)

•		
V-Trak [®] Soft Delivery System Reference No.	Large Loop Dia. (mm)	Length (cm)
100202CSSR-V*	2	2
100254CSSR-V*	2.5	4
100306CSSR-V*	3	6
100408CSSR-V*	4	8
100412CSSR-V*	4	12
100515CSSR-V	5	15
100522CSSR-V	5	22
100618CSSR-V	6	18
100626CSSR-V	6	26
100722CSSR-V	7	22
100731CSSR-V	7	31
100825CSSR-V	8	25
100837CSSR-V	8	37
100933CSSR-V	9	33
101036CSSR-V	10	36

For framing, filling and finishing

Cosmos® Complex Coils

18 Coil Size

Recommended 2-Tip Marker Microcatheter ≥.0165" Lumen

Large Loop Dia. (mm)	Length (cm)	
6	19	
7	23	
8	27	
9	31	
10	36	
11	39	
12	43	
13	47	
14	51	
16	52	
18	59	
20	65	
22	63	
24	68	
	Loop Dia. (mm) 6 7 8 9 10 11 12 13 14 16 18 20 22	

Benefits

*2mm - 4mm features V-Trak Delivery System

Features

Initial Progressively-Sized Loops

Combination of Unique Variable-Diameter Loops and Innovative Deployment

Allows better controlled deployment into the aneurysm

Optimum framing provided by variable diameter loops directed towards periphery of aneurysm

As loops deploy, they brace the previously deployed loops

Loops find space along aneurysm periphery and provide excellent neck coverage

Stability

Stable basket upon subsequent coil deployment

Ability to concentrically fill

Choices of Length

Long lengths provide greater volume fill and extensive coverage







MicroPlex® Complex Coils

For framing and filling

10 Coil Size

Recommended 2-Tip Marker Microcatheter ≥.0165" Lumen

V-Trak [®] Delivery System Reference No.	Loop Dia. (mm)	Length (cm)
100204CC-V	2	4
100307CC-V	3	7
100410CC-V	4	10
100512CC-V	5	12
100615CC-V	6	15
100718CC-V	7	18
100820CC-V	8	20
100924CC-V	9	24
101026CC-V	10	26

MicroPlex® Complex Coils

For framing and filling

18 Coil Size

Recommended 2-Tip Marker Microcatheter ≥.0165" Lumen for coils 12mm or smaller ≥.018" Lumen for coils 13mm or larger

1 Diameter Loop

V-Trak [®] Delivery System Reference No.	Loop Dia. (mm)	Length (cm)
180410CC-V	4	10
180512CC-V	5	12
180615CC-V	6	15
180717CC-V	7	17
180820CC-V	8	20
180923CC-V	9	23
181026CC-V	10	26
181128CC-V	11	28
181231CC-V	12	31
181332CC-V	13	32
181434CC-V	14	34
181639CC-V	16	39
181844CC-V	18	44
182050CC-V	20	50

Features

Benefits

Versatile Framework

Designed to reduce compartmentalization and provide greater neck coverage

Provides even distribution of coil loops at the periphery of the aneurysm

Enhanced Stability

Each successive loop gently rotates course, changing direction as it is deployed

Superior Conformability

Without assuming a pre-determined threedimensional shape, the complex coil is able to frame a wide range of aneurysm morphologies

Facilitates placement of multiple consecutive complex coils





Complex Coils

VFC® Versatile Range Fill Coil

For filling

Recommended 2-Tip Marker Microcatheter ≥ 0.0165" Lumen

(Stretch-Resistant)

V-Trak [®] Soft Delivery System Reference No.	Diameter Range (mm)	Length (cm)
VFC010303-V*	1 - 3	3
VFC030606-V*	3 - 6	6
VFC030610-V*	3 - 6	10
VFC030615-V*	3 - 6	15
VFC061020-V	6 - 10	20
VFC061030-V	6 - 10	30
VFC101530-V	10 -15	30
VFC101540-V	10 -15	40
VFC152040-V	15 - 20	40
VFC152060-V	15 - 20	60

*1mm - 6mm features **V-Trak** Delivery System **Soft**

Features

Revolutionary Coil Design With Complex Loops And Waves

Allows for improved coil distribution, greater packing density and easier placement

Seeks out and fills open spaces

Single Coil Fills A Range Of Diameters

Efficient aneurysm coiling

Simplified coil selection

Benefits

May significantly reduce coil inventory levels

Long Length Options

Greater volume fill potential with a single coil

Progressive Diameter Design

Less microcatheter movement

Softer coil during deployment

All coils are compatible with .0165" (0.42mm) ID microcatheters





Complex Coils



HyperSoft® 3D Complex Coil

For framing, filling and finishing

10 Coil Size

Recommended 2-Tip Marker Microcatheter ≥ 0.0165" Lumen

Stretch-Resistant

V-Trak® Soft Delivery System Reference No.	Diameter (mm)	Length (cm)
100102HS3D-V	1	2
100103HS3D-V	1	3
100152HS3D-V	1.5	2
100153HS3D-V	1.5	3
100154HS3D-V	1.5	4
100202HS3D-V	2	2
100203HS3D-V	2	3
100204HS3D-V	2	4
100254HS3D-V	2.5	4
100256HS3D-V	2.5	6
100304HS3D-V	3	4
100306HS3D-V	3	6
100355HS3D-V	3.5	5
100358HS3D-V	3.5	8
100406HS3D-V	4	6
100408HS3D-V	4	8
100510HS3D-V	5	10
100515HS3D-V	5	15

	L.7 .	
Featuring V	-Trak Delivery System	
2	Soft	

Features

All-in-One Coil Hybrid design provides ability to Frame, Fill, and Finish

Benefits

Soft Complex Shape Engineered to easily conform to various aneurysm morphologies

Wider Range in Coil Provides optimal choices in complex Sizes and Lengths aneurysm morphologies

True to Size Finish with Precision – Eliminates the need to under or oversize a coil







MicroPlex® Helical Coils

For filling

10 Coil Size

Recommended 2-Tip Marker Microcatheter ≥.0165" Lumen (Stretch-Resistant)

(Otroton nosistant)			
V-Trak [®] Delivery System Reference No.	Loop Dia. (mm)	Length (cm)	
Soft			
100202HCSR-S-V	2	2	
100204HCSR-S-V	2	4	
100206HCSR-S-V	2	6	
100208HCSR-S-V	2	8	
100304HCSR-S-V	3	4	
100306HCSR-S-V	3	6	
100308HCSR-S-V	3	8	
100310HCSR-S-V	3	10	
100404HCSR-S-V	4	4	
100408HCSR-S-V	4	8	
100410HCSR-S-V	4	10	
Regular			
100515HCSR-R-V	5	15	
100520HCSR-R-V	5	20	
100620HCSR-R-V	6	20	
100730HCSR-R-V	7	30	
100830HCSR-R-V	8	30	
100930HCSR-R-V	9	30	
101030HCSR-R-V	10	30	

MicroPlex® Helical Coils

For filling

18 Coil Size

Recommended 2-Tip Marker Microcatheter ≥.0165" Lumen

V-Trak [®] Delivery System Reference No.	Loop Dia. (mm)	Length (cm)
Soft		
180204HC-S-V	2	4
180208HC-S-V	2	8
180304HC-S-V	3	4
180308HC-S-V	3	8
180406HC-S-V	4	6
180410HC-S-V	4	10
180512HC-S-V	5	12
180615HC-S-V	6	15
Regular		
180520HC-R-V	5	20
180620HC-R-V	6	20
180730HC-R-V	7	30
180830HC-R-V	8	30
180930HC-R-V	9	30
181030HC-R-V	10	30
181230HC-R-V	12	30
181430HC-R-V	14	30
181630HC-R-V	16	30
181830HC-R-V	18	30
182030HC-R-V	20	30

Features

Benefits

Versatile Framework

Exceptionally soft for easy deployment and repositioning

Available in Wide Range of Sizes

10 and 18 systems with 10 system stretch-resistant available

Provides efficient packing







MicroPlex® HyperSoft® Coils

For finishing

10 Coil Size

Recommended 2-Tip Marker Microcatheter ≥.0165" Lumen (Stretch-Resistant)

V-Trak [®] Soft Delivery System Reference No.	Loop Dia, (mm)	Length (cm)
100151HS-V	1.5	1
100152HS-V	1.5	2
100153HS-V	1.5	3
100154HS-V	1.5	4
100201HS-V	2	1
100202HS-V	2	2
100203HS-V	2	3
100204HS-V	2	4
100206HS-V	2	6
100254HS-V	2.5	4
100256HS-V	2.5	6
100304HS-V	3	4
100306HS-V	3	6
100308HS-V	3	8
100404HS-V	4	4
100406HS-V	4	6
100408HS-V	4	8
100506HS-V	5	6
100508HS-V	5	8
100606HS-V	6	6
100608HS-V	6	8

Featuring V-Trak Delivery System

Features Benefits

Soft and Conformable Coil Greater packing density and easier placement

> Ability to place coil in confined spaces

Softer Pusher Less microcatheter movement or deflection for better control placing the coil into the aneurysm

> Designed to reduce microcatheter kickback

New 1.5mm and 2.5mm Sizes 1.5mm with 4 lengths and 2.5 with 2 lengths offer greater flexibility of

choice





Hydrogel Framing Coils



HydroFrame® Complex Coils

For framing and filling

10 Coil Size

Recommended 2-Tip Marker Microcatheter ≥.0165" Lumen

(Stretch-Resistant)

V-Trak® Soft Delivery System Reference No.	Loop Dia. (mm)	Length (cm)
100202HFRM-V*	2	2
100254HFRM-V*	2.5	4
100306HFRM-V*	3	6
100405HFRM-V*	4	5
100408HFRM-V*	4	8
100510HFRM-V	5	10
100515HFRM-V	5	15
100612HFRM-V	6	12
100619HFRM-V	6	19
100715HFRM-V	7	15
100728HFRM-V	7	28
100817HFRM-V	8	17
100833HFRM-V	8	33
100931HFRM-V	9	31
101036HFRM-V	10	36

HydroFrame® Complex Coils

For framing and filling

18 Coil Size

Recommended 2-Tip Marker Microcatheter ≥.0165" Lumen

V-Trak [®] Delivery System Reference No.	Loop Dia. (mm)	Length (cm)
180619HFRM-V	6	19
180723HFRM-V	7	23
180827HFRM-V	8	27
180931HFRM-V	9	31
181036HFRM-V	10	36
181139HFRM-V	11	39
181243HFRM-V	12	43
181347HFRM-V	13	47
181445HFRM-V	14	45
181644HFRM-V	16	44
181850HFRM-V	18	50
182048HFRM-V	20	48



Features

Benefits

First Two Loops Progressively-Sized

Better initial deployment

Variable-Diameter Loops and Innovative Deployment

Excellent framing along aneurysm periphery and

neck

Stability

Stable basket upon subsequent coil deployment

Ease of Use

Ability to concentrically fill

No prepping or steaming

Greater Volume Fill

HydroFrame provides greater volume fill than other

10 system framing coils

Ability to Deliver Hydrogel

at the Neck

Hydrogel at the neck has been shown to reduce

recurrence rates1

1. H.J. Cloft, for the HEAL Investigators. HydroCoil for Endovascular Aneurysm Occlusion (HEAL) Study: 3-6 Month Angiographic Follow-Up Results. AJNR AM J Neuroradiology; 28:152-154, Jan 2007 (197 aneurysms; 135 follow-up cases)





Hydrogel Filling Coils



HydroFill® Helical Coils

For filling

Recommended 2-Tip Marker Microcatheter ≥.0165" Lumen

(Stretch-Resistant)

V-Trak [®] Soft Delivery System Reference No.	Loop Dia. (mm)	Length (cm)
100202HF I L-V*	2	2
100204HF I L-V*	2	4
100206HF I L-V*	2	6
100304HF I L-V*	3	4
100306HF I L-V*	3	6
100408HF I L-V*	4	8
100410HF I L-V*	4	10
100510HFIL-V	5	10
100515HFIL-V	5	15
100610HF I L-V	6	10
100615HFIL-V	6	15
100620HFIL-V	6	20
100715HFIL-V	7	15
100720HF I L-V	7	20
100820HF I L-V	8	20
100830HFIL-V	8	30
100920HFIL-V	9	20
100930HF I L-V	9	30
101020HFIL-V	10	20
101030HFIL-V	10	30
101230HFIL-V	12	30
101440HFIL-V	14	40
101640HFIL-V	16	40
101850HFIL-V	18	50
102050HF I L-V	20	50
102250HF I L-V	22	50
102450HFIL-V	24	50

Features

No Steaming or Preparation of Coil Required

Longer Working Time

Benefits

Saves time and work of preparing coil

Ability to utilize more time if needed to deploy coil:

Microcatheters ≥ 0165"

- 30 minutes for 2mm - 4mm - 10 minutes for 5mm - 24mm

Microcatheters ≥ .021" - 30 minutes for all sizes

Volume Fill 2mm - 4mm .016" expanded diameter 5mm - 24mm 018" expanded diameter

Longer Lengths Up to 50cm on larger sizes

Hydrogel-Based Coil System

Clinical benefits of hydrogel, proven in numerous clinical studies, including HELPS

Ability to Perform All-Hydrogel Cases

Ability to utilize easy-to use hydrogel coils for framing, filling and finishing: HydroFrame®, HydroFill®, and HydroSoft® Embolic Coil Systems

V-Trak® Soft Delivery System, Sizes 2mm - 4mm

Less microcatheter movement or deflection for better control placing the coil into the aneurysm

Designed to reduce microcatheter kickback

*2mm - 4mm features V-Trak Delivery System





Hydrogel Coated Coils

HydroSoft® Helical Coils

For filling and finishing

10 Coil Size

Recommended 2-Tip Marker Microcatheter ≥.0165" Lumen

(Stretch-Resistant)

V-Trak [®] Soft Delivery System Reference No.	Loop Dia. (mm)	Length (cm)
100152H2HS-V*	1.5	2
100154H2HS-V*	1.5	4
100201H2HS-V*	2	1
100202H2HS-V*	2	2
100203H2HS-V*	2	3
100204H2HS-V*	2	4
100206H2HS-V*	2	6
100208H2HS-V*	2	8
100254H2HS-V*	2.5	4
100256H2HS-V*	2.5	6
100304H2HS-V*	3	4
100306H2HS-V*	3	6
100308H2HS-V*	3	8
100310H2HS-V*	3	10
100404H2HS-V*	4	4
100406H2HS-V*	4	6
100408H2HS-V*	4	8
100410H2HS-V*	4	10
100506H2HS-V	5	6
100508H2HS-V	5	8
100510H2HS-V	5	10
100515H2HS-V	5	15
100520H2HS-V	5	20
100606H2HS-V	6	6
100608H2HS-V	6	8
100610H2HS-V	6	10
100615H2HS-V	6	15

*1.5mm - 4mm features V-Trak Delivery System

Features

Gel on the Inside

Benefits

No prep, no steaming

Provides the softness of a platinum

finishing coil

Microcatheter Compatibility

30 minute working time and compatible with .0165" - .021" microcatheters

Stretch-Resistant

Facilitates repositioning



V-Trak Syst

V-Grip® Detachment Controller

V-Trak Delivery Pusher

Features

Benefits

No Preparation

Simplifies operation; reduces procedure time

More Flexible Delivery Pusher

Minimizes microcatheter movement;

enhances coil deliverability

Softer, Shorter **Detachment Zone** Superior coil placement ability; reduces microcatheter tip deflection

Pusher Stability

Solid mandrel pusher offers more kink-resistance and improved coil

advancement

Coil Exit Markers

Indicates coil is approaching microcatheter tip, reducing

fluoroscopy time





V-Grip

Features

Benefits

Self-contained Integrated Power Supply

Ready to use; no accessories, no patient grounding, no connecting cables or additional batteries

Rapid Coil Detachment

Single person operation; simple one-button coil detachment in 0.75 seconds for maximum

efficiency and speed

Sterile, Disposable Design

Reduces set-up and procedure time

Ergonomic Design

Lightweight, no device preparation, and

easily identifiable

Visual and Audible Indicators

Provides instant notification that

device is ready for use

V-Grip® Detachment Controller

For use with the V-Trak® Delivery System

5 Detachment Controllers Per Box

Reference No.

VG501



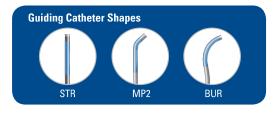


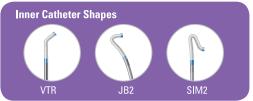


Guiding Catheter

Chaperon® Guiding Catheter System Guiding Catheter System

5F Neuro Guiding Catheter / System				6F Neuro Guiding Catheter / System					
Product Code	Туре	OD Inner/Outer (French)	Shape	ID (inches)	Product Code	Туре	OD Inner/Outer (French)	Shape	ID (inches)
GC595STJB	System	4/5	STR/JB2	0.059	GC695STJB	System	5/6	STR/JB2	0.071
GC595STVT	System	4/5	STR/VTR	0.059	GC695STVT	System	5/6	STR/VTR	0.071
GC595STSI	System	4/5	STR/SIM	0.059	GC695STSI	System	5/6	STR/SIM	0.071
GC595M2JB	System	4/5	MP2/JB2	0.059	GC695M2JB	System	5/6	MP2/JB2	0.071
GC595M2SI	System	4/5	MP2/SIM	0.059	GC695M2SI	System	5/6	MP2/SIM	0.071
GC595M2VT	System	4/5	MP2/VTR	0.059	GC695M2VT	System	5/6	MP2/VTR	0.071
					GC695BUJB	System	5/6	BUR/JB2	0.071
					GC695BUVT	System	5/6	BUR/VTR	0.071





Features

Inner Catheter Combined System

Benefits

Atraumatic access and deeper positioning for more support with high maximum injection pressure (4F-750 PSI 5F-1000 PSI)

Largest ID Enhanced work space for multiple catheter usage (5F-0.059" 6F-0.071")

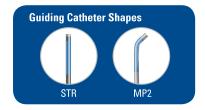
Flat Braid Reinforced Shaft Increased kink resistance and greater torque control



Guiding Catheter

$\begin{array}{l} \textbf{Chaperon}^{\text{@}} \text{ Guiding Catheter Single} \\ \text{Guiding Catheter/Single} \end{array}$

5F Neuro Guiding Catheter / Single				6F Neuro Guiding Catheter / Single					
Product Code	Туре	OD Outer (French)	Shape	ID (inches)	Product Code	Туре	OD Outer (French)	Shape	ID (inches)
GC595ST	Single	5	STR	0.059	GC695ST	Single	6	STR	0.071
GC595M2	Single	5	MP2	0.059	GC695M2	Single	6	MP2	0.071



Features

Largest ID

Flat Braid Reinforced Shaft

Proprietary Polyester for Outer Material

Benefits

Enhanced work space for multiple catheter usage

(**5F**-0.059" **6F**-0.071")

Increased kink resistance and greater torque control

Provides better support





Distal Access Catheter

SOFIA[™] Distal Access Catheter

Soft Torqueable Catheter Optimized For Intracranial Access

1 per box and includes shaping mandrel and introducer sheath									
Product Code	Catheter Size (French)	Proximal OD (inch/mm)	Distal OD (inch/mm)	ID (inch)	Working Length (cm)	Distal Length (cm)	DistalTip Shape		
DA5125ST	5F	0.068 / 1.7	0.068 / 1.7	0.055	125	17	STRAIGHT		

Features Benefits

Exceptionally Soft Distal Shaft Easier navigation in tortuous vessels

Low Profile Compatible with 6F .070 inch ID guide catheter systems

Steam Shapeable Tip and Steerable around bifurcations Torqueable Shaft

Enhanced Kink Resistance Easy to handle with 1:1 push/pull control





Guidewire with Hydrophilic Coating

Traxcess® Guidewire and Docking Wire

Guidewire with Hydrophilic Coating

Guidewire (0.014")

One unit per box / Guidewires include shaping mandrel, insertion tool, and torque device

Product Name	Product Code	Description	Tip Shape	Total/Distal Length (cm)	Proximal/ Distal OD (inches)	Shapeable Tip Length (cm)			
Traxcess 14	GW1420040	Soft	STR	200 / 40	0.014 / 0.012	1.4			
Traxcess 14EX	GW1420040X	Support	STR	200 / 40	0.014 / 0.012	1.4			
Docking Wire (0.014")									
Traxcess Docking Wire	GW14100EX	Docking	_	115	0.014	_			



Features

Nitinol Property Control Technology

Hybrid Guidewire Core Construction

Terumo Glide Technology™

Benefits

Excellent tip shapability and shape retention

1:1 torque transmission and direct wire control

Enhanced durability and lubricity in hydrophilic coating



Features

Compatible with Traxcess Guidewires

Simple Docking Wire System

Benefits

Total length is 313cm when combined with the Traxcess Guidewire (2cm overlap)

Easily convert the Traxcess Guidewire into exchange length





Microcatheter with Hydrophilic Coating

Headway® Microcatheter Microcatheter with Hydrophilic Coating

One unit per box and 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	3.0 / 2.6	2

Product	Benefits
i i uuu uu t	Delicito

Headway17 Advanced 0.017 inch ID microcatheter with atraumatic 1.7F distal tip with

enhanced catheter control, superior shapability and shape retention. An enhanced distal shaft provides excellent support for coiling while

the segmented design ensures smooth trackability

Headway17 Advanced 'Soft' 0.017 inch ID microcatheter with a softer distal shaft to provide more

sensitivity to coil deployment force

Headway21 0.021 inch ID microcatheter with a 2.0F rounded distal tip, optimized for

stent delivery and the ability to track through tortuous anatomy

0.027 inch ID microcatheter with 2.6F distal tip diameter, designed Headway27

specifically for flow diverting stent delivery





Innovative Catheter Technology

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)	Distal Length (cm)	OD Prox./Dist. (French)	Tip Markers	
Headway Duo, 156cm	MC162156S	0.0165 / 0.0165	STR	156	9	2.1 / 1.6	2	
Headway Duo, 167cm	MC162167S	0.0165 / 0.013	STR	167	9	2.1 / 1.3	1	

Features	Benefits
i caturcs	Dellelle

Hybrid Braid/Coil Design Tight pitch coil provides lumen integrity and bending flexibility

Proximal braid provides firmness and a torqueable catheter body

Will not ovalize or kink

Small OD, Large ID 0.0165" body ID microcatheter with low profile distal tip

156cm Headway® Duo microcatheter compatible with coils and ≤0.014" guidewires

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

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

Liquid Embolic Compatibility Compatible with Onyx™ Liquid Embolic and nBCA

High burst strength

Long length allows distal lesion access

Soft Distal Tip Smooth, atraumatic tracking

High sensitivity to coil deployment force

Excellent tip "painting" ability





Occlusion Balloon Catheter

Scepter C® Occlusion Balloon Catheter Compliant Balloon Catheter								
Product Code	Description	Balloon Diameter (mm)	Balloon Length (mm)	Distal Tip Length (mm)				
1 balloon catheter per box								
BC0410C	Compliant Occlusion Balloon 4.0mm	4.0	10	5				
BC0415C	Compliant Occlusion Balloon 4.0mm	4.0	15	5				
BC0420C	Compliant Occlusion Balloon 4.0mm	4.0	20	5				

Features	Benefits
14 Wire Compatible	Provides more choices of guidewire (Traxcess® docking wire compatible) Improves trackability and stability with better performance of the wire
Hydrophilic Coating on the Balloon	Significantly improves trackability Enables use of longer balloons without compromising trackability
Soft & Long Tip	Improves balloon stability and trackability
Low Profile	Ensures compatibility with double catheter technique in 6F guide Improves trackability
Distal Tip Marker	Positive identification of distal tip location





Occlusion Balloon Catheter

Scepter XC® X-tra Compliant Balloon	ter XC® Occlusion Balloon Catheter pliant Balloon Catheter						
Product Code	Description	Balloon Diameter (mm)	Balloon Length (mm)	DistalTip Length (mm)			
1 balloon catheter per bo	x						
BC0411XC	X-tra Compliant Occlusion Balloon 4.0mm x 11mm	4.0	11	5			

Features	Benefits
14 Wire Compatible	Provides more choices of guidewire (Traxcess® docking wire compatible) Improves trackability and stability with better performance of the wire
Hydrophilic Coating on the Balloon	Significantly improves trackability Enables use of longer balloons without compromising trackability
Soft & Long Tip	Improves balloon stability and trackability
Low Profile	Ensures compatibility with double catheter technique in 6F guide Improves trackability
Distal Tip Marker	Positive identification of distal tip location





Intraluminal Support Device

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LVIS ®	Devic	.6
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Intraluminal Support Device

Low-profile Visualized Intraluminal Support

One unit per box								
Product Code	Unconstrained Diameter x Total Length	Total Length*/Working Length in Different Vessel Diameters (mm)						
	(mm)	2.5mm	3.0mm	3.5mm	4.0mm	4.5mm	5.0mm	5.5mm
212517-CAS	3.5 x 19	22 / 18	20 / 16	19 / 15				
212525-CAS	3.5 x 24	30 / 26	27 / 23	24 / 20				
213015-CAS	4.5 x 16		20 / 16	19 / 15	18 / 14	16 / 12		
213025-CAS	4.5 x 23		30 / 26	28 / 24	26 / 22	23 / 19		
213041-CAS	4.5 x 34		46 / 42	43 / 39	39 / 35	34 / 30		
214035-CAS	5.5 x 27				40 / 36	37 / 33	32 / 28	27 / 23
214049-CAS	5.5 x 34				54 / 50	49 / 45	43 / 39	34 / 30

Notes: Compatible Microcatheter: Headway®21

Features

Woven braid device made with 16 passes of a single nitinol wire

1mm compliant cell design

Radiopaque markers at both ends and two radiopaque helical strands along the length of the stent

Up to 75% retractable

Benefits

Up to 22% metal coverage provides effective scaffold across aneurysm neck and optimal vessel wall apposition

Allows for easier passage of microcathethers

Enhanced radiopacity helps ensure optimal deployment and visibility

Improves accuracy in targeting the landing zone during deployment



^{*}Total Length (includes flared ends) = Working Length + 4mm



Intraluminal Support Device

LVIS® Jr. De \ Intraluminal Support			Low-profile V isu	alized Intralum	ina l S upport
One unit per box					
Unconstrained Diameter Product X Code Unconstrained Diameter X (mm) Total Length* / Working Length in Different Vessel Diameters (mm)					
	(mm)	2.0mm	2.5mm	3.0mm	3.5mm
172010-CASJ	2.5 x 13	14 / 10	13 / 9		
172014-CASJ	2.5 x 17	18 / 14	17 / 13		
172020-CASJ	2.5 x 23	24 / 20	23 / 19		
172032-CASJ	2.5 x 34	36 / 32	34 / 30		
172516-CASJ	3.5 x 18		20 / 16	19 / 15	18 / 14
172524-CASJ	3.5 x 23		27 / 23	25 / 21	23 / 19
172530-CASJ	3.5 x 28		34 / 30	32 / 28	28 / 24
172537-CASJ	3.5 x 33		40 / 36	37 / 33	33 / 29

Notes: Compatible Microcatheter: Headway®17 or Scepter Occlusion Balloon *Total Length (includes flared ends) = Working Length + 4mm

Features

Compatible with Headway®17 Advanced microcatheter

Deliverable through Scepter Occlusion Balloon Catheter

1.5mm compliant cell design

Up to 75% retractable

Benefits

Low profile 1.7F delivery system improves navigability

Post-balloon stenting provides new method of stent utilization

Allows for easier passage of microcathethers

Improves accuracy in targeting the landing zone during deployment





Flow Re-Direction Endoluminal Device

FRED® System Flow Re-Direction Endoluminal Device

One unit per box				
Cross-Reference Product Code	New Product Code	Fully Open Implant Diameter* (mm)	Total Length / Working Length** (mm)	Fully Open Total Length / Working Length** (mm)
			3.0mm OD	3.5mm OD
FRED3505	FRED3507	3.5	16 / 10	13 / 7
N/A	FRED3511	3.5	22 / 17	17 / 11
FRED3525	FRED3516	3.5	30 / 24	22 / 16
N/A	FRED3524	3.5	40 / 34	31 / 24
N/A	FRED3536	3.5	54 / 49	40 / 36
			3.5mm OD	4.0mm OD
N/A	FRED4007	4.0	16 / 10	13 / 7
FRED4015	FRED4012	4.0	24 / 18	18 / 12
FRED4025	FRED4017	4.0	31 / 26	23 / 17
N/A	FRED4026	4.0	43 / 37	32 / 26
N/A	FRED4038	4.0	58 / 53	44 / 38
			4.0mm OD	4.5mm OD
N/A	FRED4508	4.5	18 / 11	15 / 8
FRED4515	FRED4513	4.5	26 / 19	20 / 13
FRED4525	FRED4518	4.5	34 / 27	25 / 18
N/A	FRED4528	4.5	45 / 39	34 / 28
N/A	FRED4539	4.5	62 / 56	45 / 39
			4.5mm OD	5.0mm OD
N/A	FRED5009	5.0	18 / 12	15 / 9
FRED5015	FRED5014	5.0	26 / 20	21 /14
FRED5025	FRED5019	5.0	35 / 28	26 / 19
N/A	FRED5029	5.0	48 / 41	36 / 29
			5.0mm OD	5.5mm OD
FRED5515	FRED5514	5.5	28 / 22	22 / 14
FRED5535	FRED5526	5.5	46 / 38	32 / 26

Features

Benefits

Integrated Dual-Layer Coverage

16-wire outer stent with 48-wire inner stent for enhanced radial force

Inner stent provides high percentage metal surface area for flow-redirection

Braided Self-Expanding Nickel Titanium, Paired-Stent Design

Enables simultaneous, dynamic push/pull dual-stent deployment with single operator ease of use Easy stent opening and superb vessel apposition, with partial resheathability

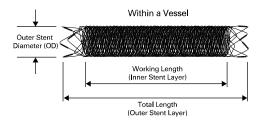
Radiopaque Distal Wire Tip, Proximal and Distal Markers, and Interweaved Working Length **Helical Strands**

Full-stent length fluoroscopic visualization

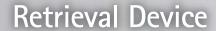
Notes:

Compatible with Headway® 27 Microcatheter

- * Max OD constrained in vessel
- ** Outer device total length (including flared ends) and inner device working length (marked by helical strands), constrained in vessel









ERIC® Retrieval Device Embolus Retriever with Interlinked Cages						
Product Code	Product Name	# of Spheres	Diameter (mm)	Working Length (mm)		
1 per box and inclu	des introducer sheath					
ER173015	ERIC 3	3	3	15		
ER173020	ERIC 3	4	3	20		
ER174024	ERIC 4	4	4	24		
ER174030	ERIC 4	5	4	30		
ER176044	ERIC 6	5	6	44		

Features Benefits

Interlinked Cage Design Allows immediate clot-device integration at deployment

Independent cages that conform to tight curves to retain clot Minimum contact to the vessel wall for atraumatic retrieval

Headway17 Advanced Compatible

Improves access in the tortuous anatomy

Leaves more space for more suction with a small outer profile

Working length can be adjusted by re-sheathing

	rieval Devid with Interlinked Cag	≈eoaway∆ayancea		
Product Code	Product Name	Description		
Includes 1 ERIC Retrieval Device and 1 Headway17 Advanced Microcatheter				
ER315KTA	ERIC 3 Kit	ERIC 3x15 with Headway 17 Advanced		
ER320KTA	ERIC 3 Kit	ERIC 3x20 with Headway 17 Advanced		
ER424KTA	ERIC 4 Kit	ERIC 4x24 with Headway 17 Advanced		
ER430KTA	ERIC 4 Kit	ERIC 4x30 with Headway 17 Advanced		
ER644KTA	ERIC 6 Kit	ERIC 6x44 with Headway 17 Advanced		





Carotid Artery Stent

CASPER™RX Carotid Artery Stent

1 per box								
	Unconstrained Dimensions				Implanted I	Dimensions		
				1m Unconstrain	m < ed Diameter		nm < ned Diameter	
Product Code	Diameter (mm)	Dual Layer Length (mm)	Overall Length (mm)	Dual Layer Length (mm)	Overall Length (mm)	Dual Layer Length (mm)	Overall Length (mm)	
CPR-0520-143RX	5	20	25	20	33	22	35	
CPR-0530-143RX	5	30	37	35	47	38	52	
CPR-0540-143RX	5	40	47	45	59	52	64	
CPR-0616-143RX	6	16	22	20	32	23	35	
CPR-0625-143RX	6	25	33	30	44	33	48	
CPR-0630-143RX	6	30	40	40	53	43	58	
CPR-0718-143RX	7	18	25	23	35	26	38	
CPR-0725-143RX	7	25	35	30	47	36	52	
CPR-0730-143RX	7	30	40	40	53	44	60	
CPR-0820-143RX	8	20	25	25	36	27	40	
CPR-0825-143RX	8	25	35	30	49	38	54	
CPR-0830-143RX	8	30	40	40	55	45	61	
CPR-0840-143RX	8	40	47	50	67	60	75	
CPR-0920-143RX	9	20	33	30	45	33	48	
CPR-0930-143RX	9	30	40	40	55	45	60	
CPR-1020-143RX	10	20	35	30	45	35	50	
CPR-1030-143RX	10	30	43	40	55	45	60	

Features

Smallest stent pore size

5F Rx delivery system for all stent sizes

Self-tapering braided stent design

Stent can be recaptured after partial deployment

Closed cell stent with wall apposition and flexibility of an open cell design

Benefits

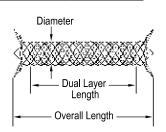
Tacks down/contains plaque reducing embolic release

Very low profile

Optimize inventory with less model configurations

Improved accuracy of stent placement/landing zone

Stent conforms and adapts to all carotid anatomy







Liquid Embolic System

PHIL™ Non-adhesive Liqu	iid Embolic Systen	n	
Product Code	Concentration	Viscosity	Content Per Syringe
1 pre-filled syringe of and microcatheter l		syringe of DMS0	
LEN10250	25%	Low	1mL
LEN10300	30%	Medium	1mL
LEN10350	35%	High	1mL

^{*}Available for Headway® DUO Microcatheter, Headway®17 Microcatheter, Scepter C® and Scepter XC® Balloon Occlusion Catheters and BALT® SONIC Microcatheter.

Features Benefits

3 Concentrations Available To address different clinical needs involving embolization of

low flow/high flow lesions or a need for distal/proximal penetration

Pre-loaded Syringes No preparation required, ready to use

Iodine BondedHomogenous radiopacityRadiopacifierNo need to shake

No added metal for minimal artifact

High Volume of Embolic Precipitate

More embolic capacity with less DMSO agent

Microcatheter Compatibility

 $PHIL^{m}$ must be used with DMSO compatible catheters such as Headway® DUO Microcatheter, Headway®17 Microcatheter or Scepter Occlusion Balloon.

Product Name	Product Codes	Description	Working Length (cm)	Dead Space (cc)	Dead Space with Adaptor	OD Prox./Dist. (French)	Tip Markers
Scepter C®	BC0410C BC0415C BC0420C	Compliant Occlusion Balloon	150	0.44	0.23	2.8/2.1	3
Scepter XC®	BC0411XC	X-tra Compliant Occlusion Balloon	150	0.44	0.23	2.8/2.1	3
Headway® 17	MC172150S MC172150SX	Headway 17 Microcatheter	150	0.44	0.26	2.4/1.7	2
Headway® Duo 156cm	MC162156S	Headway Duo Microcatheter	156	0.34	0.24	2.1/1.6	2
Headway® Duo 167cm	MC162167S	Headway Duo Microcatheter	167	0.35	0.25	2.1/1.3	1



Ordering Information

To place an order, contact a MicroVention Customer Service Representative at:

Ordering Information

Customer Service

MicroVention, Inc.

Attn: Customer Service

1311 Valencia Avenue Tustin, CA 92780

N. Am. Toll Free (800) 990 8368 Local (714) 247 8000 **Customer Service Fax** (714) 247 8007

www.microvention.com

Please call customer service at 714 247 8000 to be connected with your local representative.

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Ordering Information:

Customer Service Hours are 7:00 am - 4:30 pm PST. Orders may be placed by phone, fax or mail. If mailing, please mark Attn: Customer Service. All prices and product specifications are subject to change at the discretion of MicroVention, Inc. MicroVention, Inc. warrants its products to be free from defect in materials and workmanship.

Shipping Terms:

Orders will be shipped FOB shipping point using Federal Express Standard Overnight service, or comparable, unless otherwise requested. All freight charges are prepaid and added to invoice.

Payment Terms:

Net 30 days.

Returned Goods Policy:

Authorization is required for all returns.

- Request Returned Goods Authorization (RGA) number from Customer Service.
- 2. Once the authorization number has been obtained, Customer Service will provide all the information necessary for a proper return.
- Return product to:

MicroVention, Inc. RGA# 1311 Valencia Avenue Tustin, CA 92780

MicroVention, Inc. will accept the return of any standard catalog item under the following conditions:

- Merchandise processed or shipped in error by MicroVention, Inc. - Full Credit
- Product failure due to defect in materials or workmanship.
 - Full Credit or Replacement at no charge.

