Leading the way with new technologies and products

MicroVention
Product
2014 Catalog
International

Products

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

CE 0297

MicroVention®
TERUMO

COSMOS®
complex coil

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

Cosmos® Complex Coils
For framing, filling and finishing

18 Coil Size

Recommended 2-Tip Marker Microcatheter
≥.0165" Lumen

V-Trak® Delivery System Reference No.	Large Loop Dia. (mm)	Length (cm)
180619CS-V	6	19
180723CS-V	7	23
180827CS-V	8	27
180931CS-V	9	31
181036CS-V	10	36
181139CS-V	11	39
181243CS-V	12	43
181347CS-V	13	47
181451CS-V	14	51
181652CS-V	16	52
181859CS-V	18	59
182065CS-V	20	65
182263CS-V	22	63
182468CS-V	24	68

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

Features	Benefits
Initial Progressively-Sized Loops	Allows better controlled deployment into the aneurysm
Combination of Unique Variable-Diameter Loops and Innovative Deployment	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

MicroVention®
TERUMO

MicroPlex® Coil System
coil system

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

Versatile Framework

Enhanced Stability

Superior Conformability

Benefits

Designed to reduce compartmentalization and provide greater neck coverage

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

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

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

Facilitates placement of multiple consecutive complex coils

MicroVention®
TERUMO

VFC® **V**ersatile Range **F**ill **C**oil
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 Soft** Delivery System

Features

Revolutionary Coil Design With Complex Loops And Waves

Single Coil Fills A Range Of Diameters

Long Length Options

Progressive Diameter Design

Benefits

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

Seeks out and fills open spaces

Efficient aneurysm coiling

Simplified coil selection

May significantly reduce coil inventory levels

Greater volume fill potential with a single coil

Less microcatheter movement

Softer coil during deployment

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

MicroVention® TERUMO

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

Featuring **V-Trak® Soft** *Delivery System*

Features | ## Benefits

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

Soft Complex Shape — Engineered to easily conform to various aneurysm morphologies

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

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

MicroVention® TERUMO

MicroPlex®

coil system

MicroPlex® Helical Coils
For filling

10 Coil Size

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

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

Versatile Framework

Available in Wide Range of Sizes

Benefits

Exceptionally soft for easy deployment and repositioning

10 and 18 systems with 10 system stretch-resistant available

Provides efficient packing

MicroVention®
TERUMO

HyperSoft
finishing coil

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** *Soft* *Delivery System*

Features

Soft and Conformable Coil

Softer Pusher

New 1.5mm and 2.5mm Sizes

Benefits

Greater packing density and easier placement

Ability to place coil in confined spaces

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

Designed to reduce microcatheter kickback

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

MicroVention®
TERUMO

HydroFrame®

HydroCoil® Embolic System

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

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

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
	Ability to concentrically fill
Ease of Use	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 rates[1]

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)

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MicroVention® TERUMO

HydroFill

HydroCoil® Embolic System

HydroFill® Helical Coils
For filling

V-Trak® Soft Delivery System Reference No.	Loop Dia. (mm)	Length (cm)
Recommended 2-Tip Marker Microcatheter ≥.0165" Lumen (Stretch-Resistant)		
100202HFIL-V*	2	2
100204HFIL-V*	2	4
100206HFIL-V*	2	6
100304HFIL-V*	3	4
100306HFIL-V*	3	6
100408HFIL-V*	4	8
100410HFIL-V*	4	10
100510HFIL-V	5	10
100515HFIL-V	5	15
100610HFIL-V	6	10
100615HFIL-V	6	15
100620HFIL-V	6	20
100715HFIL-V	7	15
100720HFIL-V	7	20
100820HFIL-V	8	20
100830HFIL-V	8	30
100920HFIL-V	9	20
100930HFIL-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
102050HFIL-V	20	50
102250HFIL-V	22	50
102450HFIL-V	24	50

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

Features

No Steaming or Preparation of Coil Required

Longer Working Time

Volume Fill

Longer Lengths

Hydrogel-Based Coil System

Ability to Perform All-Hydrogel Cases

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

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

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

Up to 50cm on larger sizes

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

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

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

Designed to reduce microcatheter kickback

MicroVention®
TERUMO

HydroSoft® 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® Soft Delivery System

Features / Benefits

Gel on the Inside — 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

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MicroVention TERUMO

V-Trak System V–Grip® Detachment Controller

velocity. simplicity.

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

MicroVention TERUMO

Chaperon® Guiding Catheter System
Guiding Catheter System

5F Neuro Guiding Catheter / System					6F Neuro Guiding Catheter / System				
Product Code	Type	OD Inner/Outer (French)	Shape	ID (inches)	Product Code	Type	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

Guiding Catheter Shapes

STR   MP2   BUR

Inner Catheter Shapes

VTR   JB2   SIM2

Features

Inner Catheter Combined System

Largest ID

Flat Braid Reinforced Shaft

Benefits

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

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

Increased kink resistance and greater torque control

MicroVention® TERUMO

Chaperon
Guiding Catheter

Chaperon® Guiding Catheter Single
Guiding Catheter / Single

5F Neuro Guiding Catheter / Single					6F Neuro Guiding Catheter / Single				
Product Code	Type	OD Outer (French)	Shape	ID (inches)	Product Code	Type	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

Guiding Catheter Shapes

STR   MP2
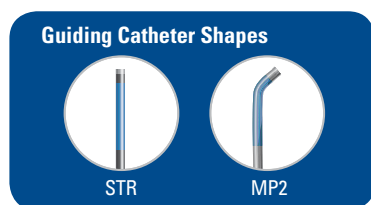
Features

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

MicroVention®
TERUMO

Sofia™
Distal Access Catheter

Soft torqueable catheter Optimized For Intracranial Access

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)	**Distal Tip Shape**
DA5125ST	5F	0.068 / 1.7	0.068 / 1.7	0.055	125	17	STRAIGHT

Features

Exceptionally Soft Distal Shaft

Low Profile

Steam Shapeable Tip and Torqueable Shaft

Enhanced Kink Resistance

Benefits

Easier navigation in tortuous vessels

Compatible with 6F .070 inch ID guide catheter systems

Steerable around bifurcations

Easy to handle with 1:1 push/pull control

MicroVention®
TERUMO

Traxcess®
Guidewire

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	—

Traxcess®
Guidewire

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

Traxcess®
Docking Wire

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

MicroVention®
TERUMO

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
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
Headway27	0.027 inch ID microcatheter with 2.6F distal tip diameter, designed specifically for flow diverting stent delivery

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

Hybrid Braid/Coil Design

Small OD, Large ID

Superior Trackability

Liquid Embolic Compatibility

Soft Distal Tip

Benefits

Tight pitch coil provides lumen integrity and bending flexibility
Proximal braid provides firmness and a torqueable catheter body
Will not ovalize or kink

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

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

Compatible with Onyx™ Liquid Embolic and nBCA
High burst strength
Long length allows distal lesion access

Smooth, atraumatic tracking
High sensitivity to coil deployment force
Excellent tip "painting" ability

MicroVention®
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Scepter C
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

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Scepter XC® Occlusion Balloon Catheter
X-tra Compliant Balloon Catheter

Product Code	Description	Balloon Diameter (mm)	Balloon Length (mm)	Distal Tip Length (mm)
1 balloon catheter per box				
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

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LVIS® Device

Intraluminal Support Device

Low-profile **V**isualized **I**ntraluminal **S**upport

Product Code	Unconstrained Diameter x Total Length (mm)	Total Length*/Working Length in Different Vessel Diameters (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
*Total Length (includes flared ends) = Working Length + 4mm

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

LVIS® Jr. Device
Intraluminal Support Device

Low-profile **V**isualized **I**ntraluminal **S**upport

One unit per box					
Product Code	Unconstrained Diameter x Total Length (mm)	Total Length* / Working Length in Different Vessel Diameters (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

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FRED® System
Flow **R**e-Direction **E**ndoluminal **D**evice

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

Integrated Dual-Layer Coverage

Braided Self-Expanding Nickel Titanium, Paired-Stent Design

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

Benefits

16-wire outer stent with 48-wire inner stent for enhanced radial force
Inner stent provides high percentage metal surface area for flow-redirection

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

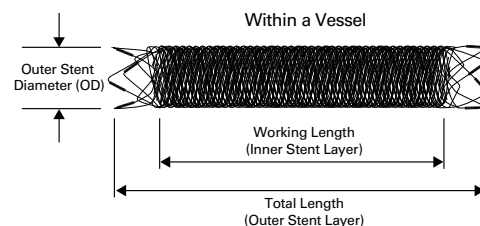Full-stent length fluoroscopic visualization

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

Within a Vessel

Outer Stent Diameter (OD)

Working Length (Inner Stent Layer)

Total Length (Outer Stent Layer)

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ERIC® Retrieval Device — **E**mbolus **R**etriever with **I**nterlinked **C**ages

Product Code	Product Name	# of Spheres	Diameter (mm)	Working Length (mm)
1 per box and includes 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

Interlinked Cage Design

Headway17 Advanced Compatible

Benefits

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

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

ERIC® Retrieval Device Kit
Embolus **R**etriever with **I**nterlinked **C**ages

Comes with **HeadwayAdvanced** *Microcatheter* 17

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

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CASPER™ RX Carotid Artery Stent

1 per box

Product Code	Unconstrained Dimensions			Implanted Dimensions			
				1mm < Unconstrained Diameter		2mm < Unconstrained Diameter	
	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

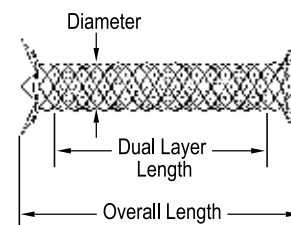Closed cell stent with wall apposition and flexibility of an open cell design

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

PHIL™

Non-adhesive Liquid Embolic System

Product Code	Concentration	Viscosity	Content Per Syringe
1 pre-filled syringe of PHIL, 1 pre-filled syringe of DMSO and microcatheter hub adaptors*			
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

3 Concentrations Available

Pre-loaded Syringes

Iodine Bonded Radiopacifier

High Volume of Embolic Precipitate

Benefits

To address different clinical needs involving embolization of low flow/high flow lesions or a need for distal/proximal penetration

No preparation required, ready to use

Homogenous radiopacity
No need to shake
No added metal for minimal artifact

More embolic capacity with less DMSO agent

Microcatheter Compatibility

PHIL™ 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 (cc)	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

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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
Web	www.microvention.com

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

MicroVention Locations
Tustin Worldwide Headquarters and Europe

MicroVention, Inc.
Worldwide Headquarters
1311 Valencia Avenue
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
United Kingdom
PH   +44 (0) 191 258 6777
F   +44 (0) 191 258 5999

MicroVention Europe, S.A.R.L.
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

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.
1.   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.
3.   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.*

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