

TRANSFORMING
TOTAL
TREATMENT

NEUROVASCULAR



Product Catalogue

Neurovascular 2017 Edition

Medtronic
Further, Together



CONTENTS

HEMORRHAGIC STROKE SOLUTIONS

Liquid Embolization	5
Onyx™	
Detachable Coil Systems	6-8
Axium™, Axium™ PRIME™, Axium™ Micro FX™	
Neurovascular Embolization System	9
UNO™	
Neurovascular Remodeling Device	10
Solitaire™ AB	
Vascular Reconstruction Device	11
Barrel™	
Embolization Devices	12-15
Pipeline™, Pipeline Flex™, Pipeline™ Flex with Shield Technology™, Medina™, Artisse™	

ACUTE ISCHEMIC STROKE SOLUTIONS

Revascularization Devices	17
MindFrame Capture™, Solitaire™ 2, Solitaire™ Platinum	

RADIOLOGY ACCESS AND DELIVERY DEVICES

Balloons	19
HyperForm™, HyperGlide™	
Guidewires	20
Avigo™, Mirage™, SilverSpeed™, X-pedion™, X-celerator™	
Micro Catheters	21-23
UltraFlow™, Marathon™, Apollo™ Onyx™, Orion™, Echelon™, Marksman™, Rebar™, Nautica™, Phenom™	
Intracranial Catheters	24
Arc™, Navien™ A+	
Intravascular Catheter	25
Cello™	
Retrieval Device	26
Alligator™	
Accessories	27
Cadence™ Precision Injector, Luer-Lock Injector Syringe	

HEMORRHAGIC STROKE SOLUTIONS

ONYX™



AXIUM™



AXIUM™
PRIME™



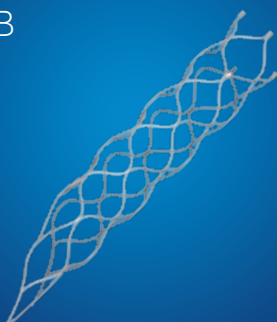
AXIUM™
MICRO FX™



UNO™



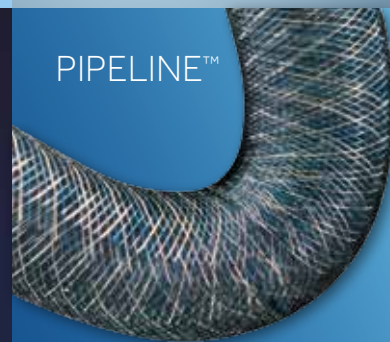
SOLITAIRE™
AB



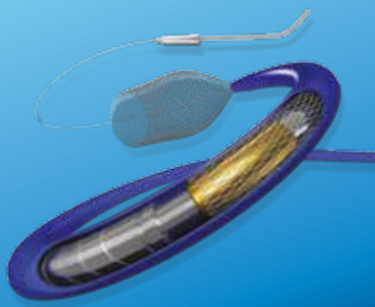
BARREL™



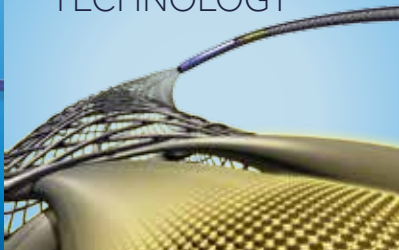
PIPELINE™



PIPELINE™ FLEX



PIPELINE™ FLEX
WITH SHIELD
TECHNOLOGY™



MEDINA™



ARTISSE™



ONYX™ LIQUID EMBOLIC SYSTEM



Onyx™ HD-500 Liquid Embolic System

Onyx™ HD-500 is a liquid embolic agent designed for use in complex, wide-necked aneurysms allowing for complete aneurysm filling and inflow zone obliteration.

PRODUCT CATALOGUE NO.	ONYX™ FORMULATION
105-8300-500	Onyx™ HD-500

INDICATIONS: Indicated for use in the embolization of intracranial aneurysms.

Onyx™ Liquid Embolic System

Onyx™ liquid embolic system is an EVOH co-polymer designed to provide full penetration and complete packing for the embolization of vascular lesions.

PRODUCT CATALOGUE NO.	ONYX™ FORMULATION
105-7000-060	Onyx™ 18
105-7000-065	Onyx™ 20
105-7000-080	Onyx™ 34

INDICATIONS: Embolization of lesions in the peripheral and neurovasculature, including arteriovenous malformations and hypervascular tumors.

Onyx™ Liquid Embolic System Mixer

The Onyx™ liquid embolic system mixer (shaker) is packaged one unit per box. It contains four spaces for preparation of Onyx™ liquid embolic system vials simultaneously.

PRODUCT CATALOGUE NO.	VOLTAGE
103-1205-002	240

Onyx™ liquid embolic system mixer is an accessory to the Onyx™ liquid embolic system that allows proper suspension of the Onyx™ liquid embolic system tantalum for better visualisation prior to use.

Onyx™ Liquid Embolic System Heater

The Onyx™ liquid embolic system heater is packaged one unit per box. It contains four wells to heat four Onyx™ liquid embolic system vials simultaneously.

PRODUCT CATALOGUE NO.	VOLTAGE
103-1206-002	230

Onyx™ liquid embolic system heater is an accessory to the Onyx™ liquid embolic system that facilitates proper suspension of the Onyx™ liquid embolic system tantalum for better visualisation.

Onyx™ Liquid Embolic System Syringe Catheter Interface Adapter

The micro therapeutics' Onyx™ liquid embolic system syringe - catheter interface adapter is intended for use as an accessory to the Onyx™ liquid embolic system and the 1.5F UltraFlow™ HPC micro catheter during Onyx™ liquid embolic system injection for the embolization of brain arteriovenous malformations.

PRODUCT CATALOGUE NO.
103-1207

INDICATIONS: The proximal end of the adapter incorporates a standard ISO, female luer design to facilitate connection to the syringe. The distal end is designed specifically to fit the hub of the 1.5F UltraFlow™ HPC/Marathon™ micro catheter 1.5F.

Echelon™ Syringe Adapter (ESA)

The Echelon™ syringe adapter was created to address an immediate need of physicians for an additional fully compatible micro catheter option for use with the Onyx™ liquid embolic system. The ESA establishes complete compatibility between Onyx™ liquid embolic system and Echelon™ micro catheter by:

- 1) Reducing dead space in the catheter hub, which prevents Onyx™ liquid embolic system and DMSO mixing in the hub.
- 2) Simplifying the preparation process. By increasing the compatibility in these ways, the ESA significantly improves the visualization of Onyx™ liquid embolic system under fluoroscopy.

PRODUCT CATALOGUE NO.	UNITS
103-5095	20

AXIUM™ DETACHABLE COIL SYSTEMS



The Axiium™ detachable coil system provides an elegant solution that addresses challenges by optimising coil delivery, deployment, and detachment. Its progressive coil diameter system vastly refines your coil selection process.

Axiium™ 3D

PRODUCT CATALOGUE NO.	DIA. (MM)	LENGTH (CM)	COIL O.D. (IN)	O.D. (MM)	VOL. (MM)
QC-2-2-3D	2	2	0.0115	0.2921	1.34
QC-2-4-3D	2	4	0.0115	0.2921	2.68
QC-2-6-3D	2	6	0.0115	0.2921	4.02
QC-2.5-2-3D	2.5	2	0.0115	0.2921	1.34
QC-2.5-4-3D	2.5	4	0.0115	0.2921	2.68
QC-2.5-6-3D	2.5	6	0.0115	0.2921	4.02
QC-2.5-8-3D	2.5	8	0.0115	0.2921	5.36
QC-3-4-3D	3	4	0.0115	0.2921	2.68
QC-3.5-6-3D	3.5	6	0.0115	0.2921	4.02
QC-3.5-12-3D	3.5	12	0.0115	0.2921	8.04
QC-3.5-15-3D	3.5	15	0.0115	0.2921	10.05
QC-3-6-3D	3	6	0.0115	0.2921	4.02
QC-3-8-3D	3	8	0.0115	0.2921	5.36
QC-3-10-3D	3	10	0.0115	0.2921	6.7
QC-4-6-3D	4	6	0.0125	0.3175	4.75
QC-4-8-3D	4	8	0.0125	0.3175	6.33
QC-4-10-3D	4	10	0.0125	0.3175	7.92
QC-4-12-3D	4	12	0.0125	0.3175	9.5
QC-5-8-3D	5	8	0.0125	0.3175	6.33
QC-5-10-3D	5	10	0.0125	0.3175	7.92
QC-5-15-3D	5	15	0.0125	0.3175	11.88
QC-6-10-3D	6	10	0.0125	0.3175	7.92

PRODUCT CATALOGUE NO.	DIA. (MM)	LENGTH (CM)	COIL O.D. (IN)	O.D. (MM)	VOL. (MM)
QC-6-15-3D	6	15	0.0125	0.3175	11.88
QC-6-20-3D	6	20	0.0125	0.3175	15.83
QC-7-15-3D	7	15	0.0135	0.3429	13.85
QC-7-20-3D	7	20	0.0135	0.3429	18.47
QC-7-30-3D	7	30	0.0135	0.3429	27.7
QC-8-15-3D	8	15	0.0135	0.3429	13.85
QC-8-20-3D	8	20	0.0135	0.3429	18.47
QC-8-30-3D	8	30	0.0135	0.3429	27.7
QC-9-20-3D	9	20	0.0135	0.3429	18.47
QC-9-30-3D	9	30	0.0135	0.3429	27.7
QC-10-20-3D	10	20	0.0135	0.3429	18.47
QC-10-30-3D	10	30	0.0135	0.3429	27.7
QC-12-30-3D	12	30	0.0145	0.3683	31.96
QC-12-40-3D	12	40	0.0145	0.3683	42.61
QC-14-30-3D	14	30	0.0145	0.3683	31.96
QC-14-40-3D	14	40	0.0145	0.3683	42.61
QC-16-40-3D	16	40	0.0145	0.3683	42.61
QC-18-40-3D	18	40	0.0145	0.3683	42.61
QC-20-50-3D	20	50	0.0145	0.3683	53.27
QC-22-50-3D	22	50	0.0145	0.3683	53.27
QC-25-50-3D	25	50	0.0145	0.3683	53.27

Axiium™ Helix

PRODUCT CATALOGUE NO.	DIA. (MM)	LENGTH (CM)	COIL O.D. (IN)	O.D. (MM)	VOL. (MM)
QC-1.5-1-HELIX	1.5	1	0.0115	0.2921	0.67
QC-1.5-2-HELIX	1.5	2	0.0115	0.2921	1.34
QC-1.5-3-HELIX	1.5	3	0.0115	0.2921	2.01
QC-1.5-4-HELIX	1.5	4	0.0115	0.2921	2.68
QC-1.5-12-HELIX	2	1	0.0115	0.2921	0.67
QC-2-1-HELIX	2	1	0.0115	0.2921	0.67
QC-2-2-HELIX	2	2	0.0115	0.2921	1.34
QC-2-3-HELIX	2	3	0.0115	0.2921	2.01
QC-2-4-HELIX	2	4	0.0115	0.2921	2.68
QC-2-6-HELIX	2	6	0.0115	0.2921	4.02
QC-2-8-HELIX	2	8	0.0115	0.2921	5.36
QC-2.5-2-HELIX	2.5	2	0.0115	0.2921	1.34
QC-2.5-4-HELIX	2.5	4	0.0115	0.2921	2.68
QC-2.5-6-HELIX	2.5	6	0.0115	0.2921	4.02
QC-2.5-8-HELIX	2.5	8	0.0115	0.2921	5.36
QC-3-4-HELIX	3	4	0.0115	0.2921	2.68
QC-3-6-HELIX	3	6	0.0115	0.2921	4.02
QC-3-8-HELIX	3	8	0.0115	0.2921	5.36
QC-4-8-HELIX	4	8	0.0125	0.3175	6.33
QC-4-10-HELIX	4	10	0.0125	0.3175	7.92
QC-4-12-HELIX	4	12	0.0125	0.3175	9.5

PRODUCT CATALOGUE NO.	DIA. (MM)	LENGTH (CM)	COIL O.D. (IN)	O.D. (MM)	VOL. (MM)
QC-5-15-HELIX	5	15	0.0125	0.3175	11.88
QC-5-20-HELIX	5	20	0.0125	0.3175	15.83
QC-6-20-HELIX	6	20	0.0125	0.3175	15.83
QC-7-20-HELIX	7	20	0.0135	0.3429	18.47
QC-7-30-HELIX	7	30	0.0135	0.3429	27.7
QC-8-20-HELIX	8	20	0.0135	0.3429	18.47
QC-8-30-HELIX	8	30	0.0135	0.3429	27.7
QC-9-20-HELIX	9	20	0.0135	0.3429	18.47
QC-9-30-HELIX	9	30	0.0135	0.3429	27.7
QC-10-20-HELIX	10	20	0.0135	0.3429	18.47
QC-10-30-HELIX	10	30	0.0135	0.3429	27.7
QC-12-30-HELIX	12	30	0.0145	0.3683	31.96
QC-12-40-HELIX	12	40	0.0145	0.3683	42.61
QC-14-30-HELIX	14	30	0.0145	0.3683	31.96
QC-14-40-HELIX	14	40	0.0145	0.3683	42.61
QC-16-30-HELIX	16	30	0.0145	0.3683	31.96
QC-16-40-HELIX	16	40	0.0145	0.3683	42.61
QC-18-40-HELIX	18	40	0.0145	0.3683	42.61
QC-20-40-HELIX	20	40	0.0145	0.3683	42.61
QC-20-50-HELIX	20	50	0.0145	0.3683	53.27

INDICATIONS: Axiium™ detachable coil systems are indicated for the endovascular embolization of intracranial aneurysms and other neurovascular abnormalities, such as arteriovenous malformations and arteriovenous fistulae.

AXIUM™ PRIME™ DETACHABLE COIL SYSTEMS



The Axiu™ PRIME™ detachable coil system provides balanced softness through the progressive coil diameter concept. Axiu™ PRIME™ soft and extra soft coils are optimal for small and amorphic aneurysms as well as for filling small spaces during the coiling procedure.

Axiu™ PRIME™ 3D

PRODUCT CATALOGUE NO.	DIA. (MM)	LENGTH (CM)	COIL O.D. (IN)	O.D. (MM)	VOL. (MM)
APB-4-6-3D-SS	4	6	0.0115	0.2921	4.02
APB-4-8-3D-SS	4	8	0.0115	0.2921	5.36
APB-4-10-3D-SS	4	10	0.0115	0.2921	6.7
APB-4-12-3D-SS	4	12	0.0115	0.2921	8.04
APB-5-8-3D-SS	5	8	0.0115	0.2921	5.36
APB-5-10-3D-SS	5	10	0.0115	0.2921	6.7
APB-5-15-3D-SS	5	15	0.0115	0.2921	10.05
APB-6-10-3D-SS	6	10	0.0115	0.2921	6.7
APB-6-15-3D-SS	6	15	0.0115	0.2921	10.05
APB-6-20-3D-SS	6	20	0.0115	0.2921	13.4

Axiu™ PRIME™ Helix

PRODUCT CATALOGUE NO.	DIA. (MM)	LENGTH (CM)	COIL O.D. (IN)	O.D. (MM)	VOL. (MM)
APB-4-6-HX-SS	4	6	0.0115	0.2921	4.02
APB-4-8-HX-SS	4	8	0.0115	0.2921	5.36
APB-4-10-HX-SS	4	10	0.0115	0.2921	6.7
APB-4-12-HX-SS	4	12	0.0115	0.2921	8.04
APB-5-10-HX-SS	5	10	0.0115	0.2921	6.7
APB-5-15-HX-SS	5	15	0.0115	0.2921	10.05
APB-5-20-HX-SS	5	20	0.0115	0.2921	13.4
APB-6-12-HX-SS	6	12	0.0115	0.2921	8.04
APB-6-20-HX-SS	6	20	0.0115	0.2921	13.4

Axiu™ PRIME™ Extra Soft 3D

PRODUCT CATALOGUE NO.	DIA. (MM)	LENGTH (CM)	COIL O.D. (IN)	O.D. (MM)	VOL. (MM)
APB-1-2-3D-ES	1	2	0.0108	0.2743	1.34
APB-1-3-3D-ES	1	3	0.0108	0.2743	2.01
APB-1-4-3D-ES	1	4	0.0108	0.2743	2.68
APB-1.5-2-3D-ES	1.5	2	0.0108	0.2743	1.34
APB-1.5-3-3D-ES	1.5	3	0.0108	0.2743	2.01
APB-1.5-4-3D-ES	1.5	4	0.0108	0.2743	2.68
APB-2-2-3D-ES	2	2	0.0108	0.2743	1.34
APB-2-3-3D-ES	2	3	0.0108	0.2743	2.01
APB-2-4-3D-ES	2	4	0.0108	0.2743	2.68
APB-2.5-4-3D-ES	2.5	4	0.0108	0.2743	2.68
APB-2.5-6-3D-ES	2.5	6	0.0108	0.2743	4.02
APB-3-4-3D-ES	3	4	0.0108	0.2743	2.68
APB-3-6-3D-ES	3	6	0.0108	0.2743	4.02
APB-3-8-3D-ES	3	8	0.0108	0.2743	5.36
APB-3.5-6-3D-ES	3.5	6	0.0108	0.2743	4.02
APB-3.5-8-3D-ES	3.5	8	0.0108	0.2743	5.36
APB-3.5-10-3D-ES	3.5	10	0.0108	0.2743	6.7

INDICATIONS: Axiu™ and Axiu™ PRIME™ detachable coil systems are indicated for the endovascular embolization of intracranial aneurysms and other neurovascular abnormalities, such as arteriovenous malformations and arteriovenous fistulae.

Axiu™ PRIME™ Extra Soft Helix

PRODUCT CATALOGUE NO.	DIA. (MM)	LENGTH (CM)	COIL O.D. (IN)	O.D. (MM)	VOL. (MM)
APB-1-1-HX-ES	1	1	0.0108	0.2743	0.67
APB-1-2-HX-ES	1	2	0.0108	0.2743	1.34
APB-1-3-HX-ES	1	3	0.0108	0.2743	2.01
APB-1.5-1-HX-ES	1.5	1	0.0108	0.2743	0.67
APB-1.5-2-HX-ES	1.5	2	0.0108	0.2743	1.34
APB-1.5-3-HX-ES	1.5	3	0.0108	0.2743	2.01
APB-1.5-4-HX-ES	1.5	4	0.0108	0.2743	2.68
APB-2-1-HX-ES	2	1	0.0108	0.2743	0.67
APB-2-2-HX-ES	2	2	0.0108	0.2743	1.34
APB-2-3-HX-ES	2	3	0.0108	0.2743	2.01
APB-2-4-HX-ES	2	4	0.0108	0.2743	2.68
APB-2-6-HX-ES	2	6	0.0108	0.2743	4.02
APB-2-8-HX-ES	2	8	0.0108	0.2743	5.36
APB-2.5-3-HX-ES	2.5	3	0.0108	0.2743	2.01
APB-2.5-4-HX-ES	2.5	4	0.0108	0.2743	2.68
APB-2.5-6-HX-ES	2.5	6	0.0108	0.2743	4.02
APB-2.5-8-HX-ES	2.5	8	0.0108	0.2743	5.36
APB-3-4-HX-ES	3	4	0.0108	0.2743	2.68
APB-3-6-HX-ES	3	6	0.0108	0.2743	4.02
APB-3-8-HX-ES	3	8	0.0108	0.2743	5.36
APB-3-10-HX-ES	3	10	0.0108	0.2743	6.7

I.D. Instant Detacher

One detacher required per procedure.

PRODUCT CATALOGUE NO.	NUMBER BY BOX
ID-1-5	5

INDICATIONS: The I.D instant detacher is intended for use with all versions of the Axiu™ detachable coil systems: Axiu™, Axiu™ PRIME™ and Axiu™ MicroFX™.

AXIUM™ MICRO FX™ DETACHABLE COIL SYSTEMS



The Axiium™ detachable coil system utilises an enlaced microfilament technology called LatticeFX™ and provides an ideal balance of softness, stability and volume through the progressive coil diameter and a single complete coil line.

Axiium™ PGLA 3D

PRODUCT CATALOGUE NO.	DIA. (MM)	LENGTH (CM)	COIL O.D. (IN)	O.D. (MM)	VOL. (MM)
PC-2-2-3D	2	2	0.0115	0.314159	1.34
PC-2-4-3D	2	4	0.0115	0.314159	2.68
PC-2-6-3D	2	6	0.0115	0.314159	4.02
PC-3-4-3D	3	4	0.0115	0.314159	2.68
PC-3-6-3D	3	6	0.0115	0.314159	4.02
PC-3-8-3D	3	8	0.0115	0.314159	5.36
PC-4-6-3D	4	6	0.0125	0.314159	4.75
PC-4-8-3D	4	8	0.0125	0.314159	6.33
PC-4-10-3D	4	10	0.0125	0.314159	7.92
PC-4-12-3D	4	12	0.0125	0.314159	9.5
PC-5-8-3D	5	8	0.0125	0.314159	6.33
PC-5-10-3D	5	10	0.0125	0.314159	7.92
PC-5-15-3D	5	15	0.0125	0.314159	11.88
PC-6-10-3D	6	10	0.0125	0.314159	7.92
PC-6-15-3D	6	15	0.0125	0.314159	11.88
PC-6-20-3D	6	20	0.0125	0.314159	15.83

PRODUCT CATALOGUE NO.	DIA. (MM)	LENGTH (CM)	COIL O.D. (IN)	O.D. (MM)	VOL. (MM)
PC-7-15-3D	7	15	0.0135	0.314159	13.85
PC-7-20-3D	7	20	0.0135	0.314159	18.47
PC-7-30-3D	7	30	0.0135	0.314159	27.7
PC-8-15-3D	8	15	0.0135	0.314159	13.85
PC-8-20-3D	8	20	0.0135	0.314159	18.47
PC-8-30-3D	8	30	0.0135	0.314159	27.7
PC-9-20-3D	9	20	0.0135	0.314159	18.47
PC-9-30-3D	9	30	0.0135	0.314159	27.7
PC-10-20-3D	10	20	0.0135	0.314159	18.47
PC-10-30-3D	10	30	0.0135	0.314159	27.7
PC-12-30-3D	12	30	0.0145	0.314159	31.96
PC-12-40-3D	12	40	0.0145	0.314159	42.61
PC-14-30-3D	14	30	0.0145	0.314159	31.96
PC-14-40-3D	14	40	0.0145	0.314159	42.61
PC-16-40-3D	16	40	0.0145	0.314159	42.61
PC-18-40-3D	18	40	0.0145	0.314159	42.61

Axiium™ PGLA Helix

PRODUCT CATALOGUE NO.	DIA. (MM)	LENGTH (CM)	COIL O.D. (IN)	O.D. (MM)	VOL. (MM)
PC-2-1-HELIX	2	1	0.0115	0.314159	0.67
PC-2-2-HELIX	2	2	0.0115	0.314159	1.34
PC-2-3-HELIX	2	3	0.0115	0.314159	2.01
PC-2-4-HELIX	2	4	0.0115	0.314159	2.68
PC-2-6-HELIX	2	6	0.0115	0.314159	4.02
PC-2-8-HELIX	2	8	0.0115	0.314159	5.36
PC-3-4-HELIX	3	4	0.0115	0.314159	2.68
PC-3-6-HELIX	3	6	0.0115	0.314159	4.02
PC-3-8-HELIX	3	8	0.0115	0.314159	5.36
PC-4-8-HELIX	4	8	0.0125	0.314159	6.33
PC-4-10-HELIX	4	10	0.0125	0.314159	7.92
PC-4-12-HELIX	4	12	0.0125	0.314159	9.5

PRODUCT CATALOGUE NO.	DIA. (MM)	LENGTH (CM)	COIL O.D. (IN)	O.D. (MM)	VOL. (MM)
PC-5-15-HELIX	5	15	0.0125	0.314159	11.88
PC-5-20-HELIX	5	20	0.0125	0.314159	15.83
PC-6-20-HELIX	6	20	0.0125	0.314159	15.83
PC-7-20-HELIX	7	20	0.0135	0.314159	18.47
PC-7-30-HELIX	7	30	0.0135	0.314159	27.7
PC-8-20-HELIX	8	20	0.0135	0.314159	18.47
PC-8-30-HELIX	8	30	0.0135	0.314159	27.7
PC-9-20-HELIX	9	20	0.0135	0.314159	18.47
PC-9-30-HELIX	9	30	0.0135	0.314159	27.7
PC-10-20-HELIX	10	20	0.0135	0.314159	18.47
PC-10-30-HELIX	10	30	0.0135	0.314159	27.7

Axiium™ Nylon Helix

PRODUCT CATALOGUE NO.	DIA. (MM)	LENGTH (CM)	COIL O.D. (IN)	O.D. (MM)	VOL. (MM)
NC-2-1-HELIX	2	1	0.0115	0.2921	0.67
NC-2-2-HELIX	2	2	0.0115	0.2921	1.34
NC-2-3-HELIX	2	3	0.0115	0.2921	2.01
NC-2-4-HELIX	2	4	0.0115	0.2921	2.68
NC-2-6-HELIX	2	6	0.0115	0.2921	4.02
NC-2-8-HELIX	2	8	0.0115	0.2921	5.36

PRODUCT CATALOGUE NO.	DIA. (MM)	LENGTH (CM)	COIL O.D. (IN)	O.D. (MM)	VOL. (MM)
NC-3-4-HELIX	3	4	0.0115	0.2921	2.68
NC-3-6-HELIX	3	6	0.0115	0.2921	4.02
NC-3-8-HELIX	3	8	0.0115	0.2921	5.36
NC-4-8-HELIX	4	8	0.0125	0.3175	6.33
NC-4-10-HELIX	4	10	0.0125	0.3175	7.92

INDICATIONS: Axiium™ and Axiium™ Micro FX™ detachable coil systems are indicated for the endovascular embolization of intracranial aneurysms and other neurovascular abnormalities, such as arteriovenous malformations and arteriovenous fistulae.

UNO™ NEUROVASCULAR EMBOLIZATION SYSTEM



The UNO™ neurovascular embolization system is indicated to obstruct blood flow in the neurovasculature.

UNO™ Neurovascular Embolization System

PRODUCT CATALOGUE NO.	UNCONSTRAINED		CONSTRAINED		CATHETER COMPATIBILITY (IN)
	DIAMETER (MM)	LENGTH (CM)	DIAMETER (MM)	LENGTH (CM)	
UNO-3	5.3	12	3	15	0.021
UNO-5	6.5	12	5	16	0.027

INDICATIONS: The UNO™ neurovascular embolization system is indicated to obstruct blood flow in the neurovasculature.

Detachment Box

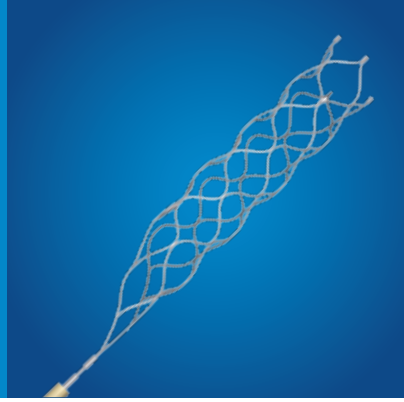
PRODUCT CATALOGUE NO.	DESCRIPTION
ED2-RM	UNO™ detachment system

Cable Set

PRODUCT CATALOGUE NO.	LENGTH (MM)	QUANTITY
RMCS-2.75	2.75	1

SOLITAIRE™ AB

NEUROVASCULAR REMODELING DEVICE



The Solitaire™ AB neurovascular remodeling device is the first fully deployable and retrievable device of its kind. Solitaire™ AB is a self-expanding stent that is designed for bridging the neck of aneurysms to support the coil mass. It can be delivered and deployed by a single operator. The Solitaire™ AB neurovascular remodeling device is electrolytically detached using the Covidien Solitaire™ AB detachment system.

PRODUCT CATALOGUE NO.	VESSEL DIAMETER RANGE (MM)	DEVICE DIAMETER (MM)	MINIMUM MICROCATETER I.D. (IN)	DISTAL MARKERS	PROXIMAL MARKERS
SAB-3-20	2.2-3	3	0.021	3	1
SAB-3-30	2.2-3	3	0.021	3	1
SAB-4-15	3-4	4	0.021	3	1
SAB-4-20	3-4	4	0.021	3	1
SAB-4-30	3-4	4	0.021	3	1
SAB-4-40	3-4	4	0.021	3	1
SAB-5-20	4-5	5	0.027	4	1
SAB-5-30	4-5	5	0.027	4	1
SAB-5-40	4-5	5	0.027	4	1
SAB-6-20	5-6	6	0.027	4	1
SAB-6-30	5-6	6	0.027	4	1

INDICATIONS: The Solitaire™ AB neurovascular remodeling device is designed for use as an adjunctive device in the treatment of intracranial aneurysms.

Vessel Diameter Sizing Chart

PRODUCT CATALOGUE NO.	USEABLE LENGTH (MM)					TOTAL LENGTH (MM)				
	VESSEL DIAMETER (MM)					VESSEL DIAMETER (MM)				
	2.2	3	4	5	6	2.2	3	4	5	6
SAB-3-20	24.2	21.7	-	-	-	32.2	31.1	-	-	-
SAB-3-30	36.6	32.1	-	-	-	44.8	41.7	-	-	-
SAB-4-15	-	17.6	15.6	-	-	-	27.7	27.3	-	-
SAB-4-20	-	22.5	20.6	-	-	-	33.1	32.1	-	-
SAB-4-30	-	33.1	31.1	-	-	-	43.5	42.3	-	-
SAB-4-40	-	44.3	40.2	-	-	-	54.2	51.6	-	-
SAB-5-20	-	-	23.2	20.1	-	-	-	33.6	32.6	-
SAB-5-30	-	-	32.4	29.1	-	-	-	42.9	41.8	-
SAB-5-40	-	-	42.1	38.3	-	-	-	52.4	50.9	-
SAB-6-20	-	-	-	19.6	17.9	-	-	-	32.7	32.3
SAB-6-30	-	-	-	30.9	28.3	-	-	-	43.9	42.8

Solitaire™ AB Detachment System

The Solitaire™ AB detachment system is a battery operated device working with detachment cables designed to initiate and control the detachment of the Solitaire™ AB neurovascular remodeling device.

Detachment Box

PRODUCT CATALOGUE NO.	DESCRIPTION
NDS-2X	Solitaire™ Detachment Box

Cable Set

PRODUCT CATALOGUE NO.	LENGTH (M)	QUANTITY
CSS-2.75-1X	2.75	1
CSS-2.75-5X	2.75	5

BARREL™ VASCULAR RECONSTRUCTION DEVICE (VRD)



The Barrel™ vascular reconstruction device (VRD) is intended for use with embolic coils for the treatment of wide-neck (≥ 4 mm), intracranial aneurysms located at a bifurcation or arising at a branch site in a parent vessel with a diameter of ≥ 2 mm and ≤ 4 mm.

PRODUCT CATALOGUE NO.	RECOMMENDED VESSEL SIZES (MM)	PROXIMAL END DIAMETER (MM)	DISTAL END DIAMETER (MM)	BARREL DIAMETER (MM)	BARREL LENGTH (MM)	USABLE LENGTH (MM)
BV-3550	2-3	3.5	3	5	5	20
BV-3560	2-3	3.5	3	6	6	20
BV-4065	2.5-3.5	4	3.5	6.5	6.5	20
BV-4070	2.5-3.5	4	3.5	7.5	7	21
BV-4580	3-4	4.5	4	7.5	8	22

INDICATIONS: The Barrel™ vascular reconstruction device is intended for use with occlusive devices in the treatment of intracranial aneurysms.

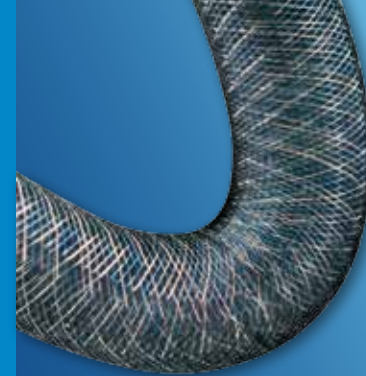
Detachment Box

PRODUCT CATALOGUE NO.	DESCRIPTION
ED2-RM	Barrel™ VRD Detachment System

Cable Set

PRODUCT CATALOGUE NO.	LENGTH (MM)	QUANTITY
RMCS-2.75	2.75	1

PIPELINE™ EMBOLIZATION DEVICE



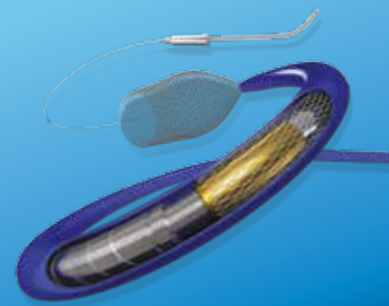
The Pipeline™ embolization device redefines the scope of treatment for large, giant, wide-necked, failed-treatment, and fusiform aneurysms by reconstructing the parent artery and restoring its natural course with or without the use of adjunctive embolic devices.

PRODUCT CATALOGUE NO.	DIAMETER (MM)	LENGTH (MM)
FA-77250-10	2.5	10
FA-77275-10	2.75	10
FA-77300-10	3	10
FA-77325-10	3.25	10
FA-77350-10	3.5	10
FA-77375-10	3.75	10
FA-77400-10	4	10
FA-77425-10	4.25	10
FA-77450-10	4.5	10
FA-77475-10	4.75	10
FA-77500-10	5	10
FA-77250-12	2.5	12
FA-77275-12	2.75	12
FA-77300-12	3	12
FA-77325-12	3.25	12
FA-77350-12	3.5	12
FA-77375-12	3.75	12
FA-77400-12	4	12
FA-77425-12	4.25	12
FA-77450-12	4.5	12
FA-77475-12	4.75	12
FA-77500-12	5	12
FA-77250-14	2.5	14
FA-77275-14	2.75	14
FA-77300-14	3	14
FA-77325-14	3.25	14
FA-77350-14	3.5	14
FA-77375-14	3.75	14
FA-77400-14	4	14
FA-77425-14	4.25	14
FA-77450-14	4.5	14
FA-77475-14	4.75	14
FA-77500-14	5	14
FA-77250-16	2.5	16
FA-77275-16	2.75	16
FA-77300-16	3	16
FA-77325-16	3.25	16
FA-77350-16	3.5	16
FA-77375-16	3.75	16
FA-77400-16	4	16
FA-77425-16	4.25	16
FA-77450-16	4.5	16
FA-77475-16	4.75	16
FA-77500-16	5	16
FA-77250-18	2.5	18
FA-77275-18	2.75	18
FA-77300-18	3	18
FA-77325-18	3.25	18

PRODUCT CATALOGUE NO.	DIAMETER (MM)	LENGTH (MM)
FA-77350-18	3.5	18
FA-77375-18	3.75	18
FA-77400-18	4	18
FA-77450-18	4.25	18
FA-77475-18	4.5	18
FA-77500-18	4.75	18
FA-77250-20	5	18
FA-77275-20	2.5	20
FA-77300-20	3	20
FA-77325-20	3.25	20
FA-77350-20	3	20
FA-77375-20	3.75	20
FA-77400-20	4	20
FA-77425-20	4.25	20
FA-77450-20	4.5	20
FA-77475-20	4.75	20
FA-77500-20	5	20
FA-71300-25	3	25
FA-71325-25	3.25	25
FA-71350-25	3.5	25
FA-71375-25	3.75	25
FA-71400-25	4	25
FA-71425-25	4.25	25
FA-71450-25	4.5	25
FA-71475-25	4.75	25
FA-71500-25	5	25
FA-71300-30	3	30
FA-71325-30	3.25	30
FA-71350-30	3.5	30
FA-71375-30	3.75	30
FA-71400-30	4	30
FA-71425-30	4.25	30
FA-71450-30	4.5	30
FA-71475-30	4.75	30
FA-71500-30	5	30
FA-71300-35	3	35
FA-71375-35	3.75	35
FA-71400-35	4	35
FA-71325-35	3.25	35
FA-71350-35	3.5	35
FA-71425-35	4.25	35
FA-71450-35	4.5	35
FA-71475-35	4.75	35
FA-71500-35	5	35

INDICATIONS: The Pipeline™ embolization device is intended for endovascular embolization of cerebral aneurysms. The Pipeline™ embolization device redefines the scope of treatment for large, giant, wide-necked, failed-treatment, and fusiform aneurysms by reconstructing the parent artery and restoring its natural course with or without the use of adjunctive embolic devices.

PIPELINE™ FLEX EMBOLIZATION DEVICE



The Pipeline™ Flex embolization device redefines the scope of treatment for large, giant, wide-necked, failed-treatment, and fusiform aneurysms by reconstructing the parent artery and restoring its natural course with or without the use of adjunctive embolic devices.

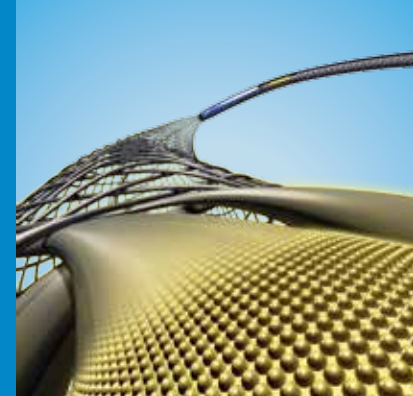
PRODUCT CATALOGUE NO.	DIAMETER (MM)	LENGTH (MM)
PED-250-10	2.5	10
PED-250-12	2.5	12
PED-250-14	2.5	14
PED-250-16	2.5	16
PED-250-20	2.5	20
PED-275-12	2.75	12
PED-275-14	2.75	14
PED-275-16	2.75	16
PED-275-18	2.75	18
PED-275-20	2.75	20
PED-300-10	3	10
PED-300-12	3	12
PED-300-14	3	14
PED-300-16	3	16
PED-300-18	3	18
PED-300-20	3	20
PED-325-10	3.25	10
PED-325-12	3.25	12
PED-325-14	3.25	14
PED-325-16	3.25	16
PED-325-18	3.25	18
PED-325-20	3.25	20
PED-350-12	3.5	12
PED-350-14	3.5	14
PED-350-16	3.5	16
PED-350-20	3.5	20
PED-350-35	3.5	35
PED-375-12	3.75	12
PED-375-14	3.75	14
PED-375-16	3.75	16
PED-375-18	3.75	18
PED-375-20	3.75	20
PED-375-25	3.75	25
PED-375-35	3.75	35
PED-400-10	4	10
PED-400-12	4	12
PED-400-14	4	14
PED-400-16	4	16
PED-400-18	4	18
PED-400-20	4	20
PED-400-25	4	25
PED-425-14	4.25	14
PED-425-16	4.25	16
PED-425-18	4.25	18

PRODUCT CATALOGUE NO.	DIAMETER (MM)	LENGTH (MM)
PED-425-20	4.25	20
PED-425-25	4.25	25
PED-425-35	4.25	35
PED-450-12	4.5	12
PED-450-14	2.75	14
PED-450-16	4.5	16
PED-450-18	4.5	18
PED-450-20	4.5	20
PED-450-25	4.5	25
PED-450-35	4.5	35
PED-475-12	4.75	12
PED-475-14	4.75	14
PED-475-16	4.75	16
PED-475-18	4.75	18
PED-475-20	4.75	20
PED-475-30	4.75	30
PED-475-35	4.75	35
PED-500-14	5	14
PED-500-16	5	16
PED-500-18	5	18
PED-500-20	5	20
PED-500-25	5	25
PED-500-35	5	35

INDICATIONS: The Pipeline™ Flex embolization device is intended for endovascular embolization of cerebral aneurysms. The Pipeline™ Flex embolization device redefines the scope of treatment for large, giant, wide-necked, failed-treatment, and fusiform aneurysms by reconstructing the parent artery and restoring its natural course with or without the use of adjunctive embolic devices.

PIPELINE™ FLEX

EMBOLIZATION DEVICE WITH SHIELD TECHNOLOGY™



The Pipeline™ Flex embolization device redefines the scope of treatment for large, giant, wide-necked, failed-treatment, and fusiform aneurysms by reconstructing the parent artery and restoring its natural course with or without the use of adjunctive embolic devices. Shield Technology™ reduces the material thrombogenicity of Pipeline™ device as per the Thrombogram test.

PRODUCT CATALOGUE NO.	DIAMETER (MM)	LENGTH (MM)
PED2-250-10	2.5	10
PED2-250-14	2.5	14
PED2-250-20	2.5	20
PED2-275-12	2.75	12
PED2-275-16	2.75	16
PED2-275-18	2.75	18
PED2-275-20	2.75	20
PED2-300-10	3	10
PED2-300-14	3	14
PED2-300-16	3	16
PED2-300-18	3	18
PED2-300-20	3	20
PED2-325-14	3.25	14
PED2-325-16	3.25	16
PED2-325-18	3.25	18
PED2-325-20	3.25	20
PED2-350-14	3.5	14
PED2-350-16	3.5	16
PED2-350-18	3.5	18
PED2-350-20	3.5	20
PED2-375-16	3.75	16
PED2-375-18	3.75	18

PRODUCT CATALOGUE NO.	DIAMETER (MM)	LENGTH (MM)
PED2-375-20	3.75	20
PED2-400-14	4	14
PED2-400-16	4	16
PED2-400-18	4	18
PED2-400-20	4	20
PED2-400-25	4	25
PED2-400-35	4	35
PED2-425-14	4.25	14
PED2-425-16	4.25	16
PED2-425-18	4.25	18
PED2-425-20	4.25	20
PED2-425-25	4.25	25
PED2-450-16	4.5	16
PED2-450-18	4.5	18
PED2-450-20	4.5	20
PED2-450-30	4.5	30
PED2-475-20	4.75	20
PED2-475-30	4.75	30
PED2-475-35	4.75	35
PED2-500-16	5	16
PED2-500-20	5	20
PED2-500-35	5	35

INDICATIONS: The Pipeline™ Flex embolization device with Shield Technology™ is intended for endovascular embolization of cerebral aneurysms.

MEDINA™ EMBOLIZATION DEVICE



The MED Implant is a Nitinol micro-braided 3D composite mesh device incorporating a platinum core wire and drawn filled tube (DFT). The device is made available in a comprehensive range of sizes from 4 mm to 9 mm in diameter and lengths from 5 cm to 13 cm. The MED is compatible with an 0.021 micro catheter.

Framing

PRODUCT CATALOGUE NO.	DIAMETER (MM)	LENGTH (MM)	PETALS
ED-4-050-FR	4	5	6
ED-5-060-FR	5	6	6
ED-6-080-FR	6	8	6
ED-7-090-FR	7	9	6
ED-8-100-FR	8	10	6
ED-9-130-FR	9	13	7

Filling

PRODUCT CATALOGUE NO.	DIAMETER (MM)	LENGTH (MM)	PETALS
ED-4-040-FFS	4	4	4
ED-5-050-FFS	5	5	4
ED-5-050-FF	5	5	4
ED-6-060-FF	6	6	4
ED-7-070-FF	7	7	4
ED-8-070-FF	8	7	4

INDICATIONS: The Medina™ Embolization Device is intended for the endovascular embolization of intracranial aneurysms.

ARTISSE™ INTRASACULAR DEVICE



The Artisse™ Intrasaccular Device is available in several shapes to treat different aneurysm morphology, and features a Platinum core drawn filled tube (DFT) for enhanced visibility under fluoroscopy and soft atraumatic tip to protect aneurysm dome during deployment. The Artisse™ Intrasaccular Device is compatible with an 0.0021 micro catheter.

PRODUCT CATALOGUE NO.	DIAMETER (MM)	HEIGHT (MM)	SHAPE
ISS-045-054	4.5	5.4	Spheroid
ISS-050-060	5	6	Spheroid
ISS-055-066	5.5	6.6	Spheroid
ISS-060-072	6	7.2	Spheroid
ISS-065-078	6.5	7.8	Spheroid
ISS-070-084	7	8.4	Spheroid
ISS-080-096	8	9.6	Spheroid
ISF-045-056	4.5	5.6	Flared
ISF-050-063	5	6.3	Flared
ISF-055-069	5.5	6.9	Flared
ISF-060-075	6	7.5	Flared
ISF-065-081	6.5	8.1	Flared
ISF-070-088	7	8.8	Flared
ISF-080-100	8	10	Flared

Detachment Device

PRODUCT CATALOGUE NO.	DESCRIPTION
ISD-5-PK	Artisse™ Detachment Device (5 Pack)

ACUTE ISCHEMIC STROKE SOLUTIONS

MINDFRAME
CAPTURE™
LP SYSTEM



SOLITAIRE™ 2



SOLITAIRE™
PLATINUM

Launched in
October
2016



MindFrame Capture™ LP System

The MindFrame Capture™ LP system is the first low profile device specifically designed to be compatible with 10/14 micro catheter platform.

PRODUCT CATALOGUE NO.	RECOMMENDED VESSEL DIAMETER (MM)	MINIMUM MICRO CATHETER I.D. (IN)	PUSH WIRE LENGTH (CM)	USABLE LENGTH (MM)	DIAMETER (MM)	TOTAL LENGTH (MM)	RADIOPAQUE MARKERS	
							DISTAL	PROXIMAL
300010CAP	2-3	0.0165	175	23	3	30	2	1
300011	2-3	0.0165	175	15	3	20	2	1
300012	2.5-3.5	0.0165	175	23	4	30	2	1
300013	2.5-3.5	0.0165	175	15	4	20	2	1

INDICATIONS: The MindFrame Capture™ LP system is indicated for temporary use to restore blood flow in the cerebral vasculature of patients suffering from an acute ischemic stroke. The MindFrame Capture™ LP system is positioned across the embolus or blood clot and is used to facilitate the restoration of blood flow and removal of the clot obstruction. The MindFrame Capture™ LP system is indicated for: Endovascular temporary use in patients with acute ischemic stroke. Endovascular temporary use to restore blood flow in patients who are experiencing symptoms of an acute ischemic stroke caused by an embolus in a cerebral vessel.

Solitaire™ 2 Revascularization Device

The Solitaire™ 2 revascularization device with Parametric™ design, an overlapping stent-based technology, provides technology to restore flow, retrieve clot, and revive neurological tissue.

PRODUCT CATALOGUE NO.	SIZE (MM)	RECOMMENDED VESSEL DIAMETER (MM)	TOTAL LENGTH (MM)	PUSH WIRE LENGTH (CM)	MINIMUM MICRO CATHETER I.D. (IN)	DISTAL MARKERS	PROXIMAL MARKERS	DISTANCE FROM DISTAL TIP TO FLOUROSAFE MARKER (CM)
SRD2-4-15	4 x 15	2-4	26	180	0.021	3	1	<130
SRD2-4-20	4 x 20	2-4	31	180	0.021	3	1	<130
SRD2-4-40	4 x 40	2-4	50	180	0.021	3	1	<130
SRD2-6-20	6 x 20	3-5.5	31	180	0.027	4	1	<130
SRD2-6-30	6 x 30	3-5.5	42	180	0.027	4	1	<130

INDICATIONS: The Solitaire™ 2 Revascularization Device is designed for use in the flow restoration of patients with ischemic stroke due to large intracranial vessel occlusion. Patients who are ineligible for intravenous tissue plasminogen activator (IV t-PA) or who fail IV t-PA therapy are candidate for treatment.

Solitaire™ 2 Device Stroke Kit with Balloon Guide Catheter

PRODUCT CATALOGUE NO.	COMPONENTS
C8-R18-S2-415	8F Cello™ balloon guide catheter + 4 x 15 mm Solitaire™ 2 revascularization device + Rebar™ 18 micro catheter
C8-R18-S2-420	8F Cello™ balloon guide catheter + 4 x 20 mm Solitaire™ 2 revascularization device + Rebar™ 18 micro catheter
C8-R27-S2-620	8F Cello™ balloon guide catheter + 6 x 20 mm Solitaire™ 2 revascularization device + Rebar™ 27 micro catheter
C8-R27-S2-630	8F Cello™ balloon guide catheter + 6 x 30 mm Solitaire™ 2 revascularization device + Rebar™ 27 micro catheter

Solitaire™ Platinum Revascularization Device

The Solitaire™ Platinum Revascularization Device is the next generation into the Solitaire™ family which has an enhanced visibility that provides feedback during the treatment of stroke patients. The Solitaire™ Platinum Revascularization Device is designed to restore blood flow in patients experiencing ischemic stroke due to large intracranial vessel occlusion. The device is designed for use in the neurovasculature such as the internal carotid artery, M1 and M2 segments of the middle cerebral artery, basilar, and the vertebral arteries.

PRODUCT CATALOGUE NO.	REC. VESSEL DIAMETER (MM)	MINIMUM MICRO CATHETER I.D. (IN)	PUSH WIRE LENGTH (CM)	STENT DIA. (MM)	TOTAL LENGTH (MM)	PROXIMAL MARKER TO DISTAL MARKER LENGTH (MM)	DISTANCE FROM DISTAL TIP TO FLUOROSAFE MARKER (CM)	RADIOPAQUE MARKERS		RADIOPAQUE STENT MARKERS SPACING (MM)
								DIST.	PROX.	
SRD3-4-20-10	2-4	0.021	180	4	20	31	<130	3	1	10
SRD3-4-40-10	2-4	0.021	180	4	40	50	<130	3	1	10
SRD3-6-20-10	3-5.5	0.027	180	6	20	31	<130	4	1	10
SRD3-6-40-10	3-5.5	0.027	180	6	40	47	<130	4	1	10

INDICATIONS: The Solitaire™ Platinum Revascularization Device is intended to restore blood flow by removing thrombus from a large intracranial vessel in patients experiencing ischemic stroke within 8 hour of symptom onset. Patients who are ineligible for intravenous tissue plasminogen activator (IV t-PA) or who fail IV t-PA therapy are candidates for treatment.

NEURO RADIOLOGY ACCESS AND DELIVERY DEVICES

BALLOONS



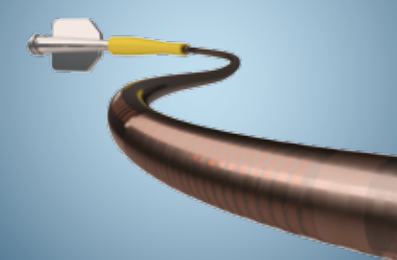
GUIDEWIRES



MICRO
CATHETERS



INTRACRANIAL
CATHETERS



INTRAVASCULAR
CATHETER



RETRIEVAL
DEVICE



ACCESSORIES



BALLOONS



A single lumen design balloon catheter with a complete line of sizes of compliant and super compliant neurovascular balloons for the optimal support of neurovascular procedures. Hyper balloons are DMSO compatible.

HyperForm™ Occlusion Balloon System Line Extension

The HyperForm™ occlusion balloon system is a single lumen balloon catheter that requires the insertion of the Covidien 0.010" guidewire to occlude the central lumen to allow inflation of the balloon. When the distal 10 cm platinum coil tip of the guidewire is advanced to or past the catheter tip, it occludes the inflation holes allowing the balloon to inflate through catheter sideholes.

PRODUCT CATALOGUE NO.	PROXIMAL O.D. (F)	DISTAL O.D. (F)	USABLE LENGTH (CM)	BALLOON DIAMETER (MM)	BALLOON LENGTH (MM)	TIP LENGTH (MM)
104-4370	2.8	2.2	150	3	7	2
104-4153	2.8	2.2	150	3	15	2
104-4470	2.8	2.5	150	4	7	2
104-4415	2.8	2.5	150	4	15	2
104-4420	2.8	2.5	150	4	20	2
104-4770	2.8	3	150	7	7	2
104-4715	2.8	3	150	7	15	2

INDICATIONS: The HyperForm™ occlusion balloon catheter is designed for the use in the blood vessels of the peripheral and neurovasculature where temporary occlusion is desired. The HyperForm™ occlusion balloon catheter offers a vessel selective technique of temporary vascular occlusion which is useful in selectively stopping or controlling blood flow.

HyperGlide™ Occlusion Balloon System

The HyperGlide™ occlusion balloon system is a single lumen balloon catheter that requires the insertion of the Covidien 0.010" guidewire to occlude the central lumen to allow inflation of the balloon. When the distal 10 cm platinum coil tip of the guidewire is advanced to or past the catheter tip, it occludes the inflation holes allowing the balloon to inflate through catheter sideholes. All systems packaged with an X-pedion™ hydrophilic guidewire (103-0605-200).

PRODUCT CATALOGUE NO.	PROXIMAL O.D. (F)	DISTAL O.D. (F)	USABLE LENGTH (CM)	BALLOON DIAMETER (MM)	BALLOON LENGTH (MM)	TIP LENGTH (MM)
104-4310	2.8	2.2	150	3	10	4
104-4315	2.8	2.2	150	3	15	4
104-4113	2.8	2.2	150	4	10	4
104-4112	2.8	2.2	150	4	15	4
104-4127	2.8	2.2	150	4	20	4
104-4132	2.8	2.2	150	4	30	4
104-4515	2.8	2.2	150	5	15	4
104-4520	2.8	2.2	150	5	20	4
104-4530	2.8	2.2	150	5	30	4

INDICATIONS: The HyperGlide™ occlusion balloon catheter is designed for the use in the blood vessels of the peripheral and neurovasculature where temporary occlusion is desired. The HyperGlide™ occlusion balloon catheter offers a vessel selective technique of temporary vascular occlusion which is useful in selectively stopping or controlling blood flow.

GUIDEWIRES



Avigo™ Hydrophilic Guidewire

The Avigo™ 0.014" hydrophilic guidewire offers ultimate support for tracking robust systems, crossing clot, and maintaining catheter position.

PRODUCT CATALOGUE NO.	DIAMETER (IN)	TOTAL LENGTH (CM)	COIL LENGTH (CM)	TIP SHAPE
103-0606-200	0.014	205	5	Straight

INDICATIONS: The Avigo™ hydrophilic guidewire is indicated for general intravascular use to aid in the selective placement of catheters in the peripheral and cerebral vasculature during diagnostic and/or therapeutic procedures. The device is not intended for use in the coronary arteries.

Mirage™ 0.08" Hydrophilic Guidewire

The Mirage™ hydrophilic guidewire is a stainless steel guidewire with a radiopaque, platinum distal coil. The guidewire is hydrophilically coated on the distal portion.

PRODUCT CATALOGUE NO.	DIAMETER (IN)	TOTAL LENGTH (CM)	COIL LENGTH (CM)
103-0608	0.008	200	10

INDICATIONS: The Mirage™ hydrophilic guidewire is indicated for general intravascular use to aid in the selective placement of catheters in the peripheral, visceral and cerebral vasculature during diagnostic and/or therapeutic procedures.

SilverSpeed™ Hydrophilic Guidewire

The SilverSpeed™ hydrophilic guidewire is a stainless steel guidewire with a radiopaque, platinum distal coil. The guidewire is hydrophilically coated on the distal portion.

PRODUCT CATALOGUE NO.	DIAMETER (IN)	TOTAL LENGTH (CM)	COIL LENGTH (CM)
103-0601-200	0.010	200	10
103-0602-175	0.014	175	20
103-0602-200	0.014	200	20
103-0603-200	0.016	200	20

INDICATIONS: The SilverSpeed™ hydrophilic guidewire is indicated for general intravascular use to aid in the selective placement of catheters in the peripheral, visceral and cerebral vasculature during diagnostic and/or therapeutic procedures.

X-pedion™ Hydrophilic Guidewire

The X-pedion™ hydrophilic guidewire is a stainless steel guidewire with a radiopaque, platinum distal coil. The guidewire is hydrophilically coated on the distal portion.

PRODUCT CATALOGUE NO.	DIAMETER (IN)	TOTAL LENGTH (CM)	COIL LENGTH (CM)
103-0605-200	0.010	200	10
203-0602-200	0.014	200	20

INDICATIONS: The X-pedion™ hydrophilic guidewire is indicated for general intravascular use to aid in the selective placement of catheters in the peripheral, visceral and cerebral vasculature during diagnostic and/or therapeutic procedures.

X-celerator™ Hydrophilic Exchange Guidewire

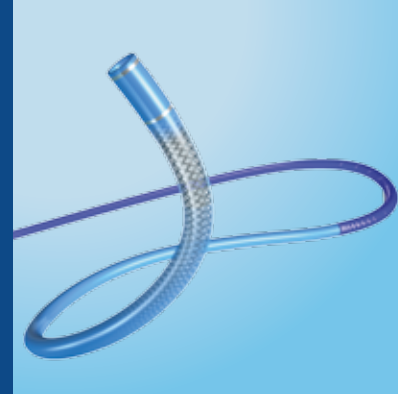
The X-celerator™ hydrophilic exchange wire is a stainless steel guidewire with a radiopaque, platinum distal coil. The guidewire is hydrophilically coated on the distal portion. The proximal portion of the guidewire is coated with polytetrafluoroethylene (PTFE). The guidewire facilitates the exchange of one interventional device for another, while maintaining guidewire position in the anatomy.

PRODUCT CATALOGUE NO.	DIAMETER (IN)	TOTAL LENGTH (CM)	COIL LENGTH (CM)
103-0601-300	0.010	300	10
103-0602-300	0.014	300	20
103-0601-350	0.010	350	10
103-0602-350	0.014	350	20

INDICATIONS: The X-celerator™ hydrophilic guidewire is indicated for general intravascular use to aid in the selective placement of catheters in the peripheral, visceral and cerebral vasculature during diagnostic and/or therapeutic procedures.

For all Guidewires, Covidien has included in the sterile pouch a torque device to assist in guidewire manipulation and a guidewire introducer to ease the introduction of the guidewire into the catheter hub and/or hemostatic valve.

MICRO CATHETERS



UltraFlow™ HPC Micro Catheter

An Onyx™ liquid embolic system delivery micro catheter with a stainless steel proximal coil for optimised support and a very flexible distal part for flow directed navigation.

PRODUCT CATALOGUE NO.	OUTER DIAMETER (FR)	DISTAL INNER DIAMETER (IN)	TOTAL LENGTH (CM)	USABLE LENGTH (CM)	DISTAL LENGTH (CM)	MAX. GUIDEWIRE (IN)
105-5065	3-1.5	0.012	170	170/165	35	0.01
105-5066	3-1.5	0.012	170	170/165	42	0.01

INDICATIONS: The UltraFlow™ HPC flow directed micro catheter is intended to access peripheral and neurovasculature for the controlled selective infusion of physician-specified therapeutic agents such as embolization materials and diagnostic materials such as contrast media. Not intended for use in the coronary vasculature.

Marathon™ Micro Catheter

Marathon™ is a flow directed micro catheter with a proximal stainless steel coil for great proximal support and a nitinol distal braiding for high kink resistance for optimised delivery of Onyx™ liquid embolic system.

PRODUCT CATALOGUE NO.	OUTER DIAMETER (FR)	DISTAL INNER DIAMETER (IN)	TOTAL LENGTH (CM)	USABLE LENGTH (CM)	DISTAL LENGTH (CM)	MAX. GUIDEWIRE (IN)
105-5056	2.7-1.5	0.013	170	165	25	0.01

INDICATIONS: The Marathon™ micro catheter is intended to access peripheral and neurovasculature for the controlled selective infusion of physician-specified therapeutic agents such as embolization catheter materials and diagnostic materials such as contrast media.

Apollo™ Onyx™ Delivery Micro Catheter

Apollo™ Onyx™ delivery micro catheter is designed with a stainless steel proximal coil for high kink resistance and distal nitinol braiding for reinforcement.

PRODUCT CATALOGUE NO.	DISTAL OUTER DIAMETER (FR)	PROXIMAL DIAMETER (FR)	INNER DIAMETER (IN)	TOTAL LENGTH (CM)	TIP LENGTH (CM)	TIP SHAPE	WIRE COMPATIBILITY (IN)
105-5095-000	1.5	2.7	0.013	165	1.5	Straight	≤ 0.01
105-5096-000	1.5	2.7	0.013	165	3	Straight	≤ 0.01
105-5097-000	1.5	2.7	0.013	165	5	Straight	≤ 0.01

INDICATIONS: Apollo™ Onyx™ delivery micro catheter is intended to access the neurovasculature for the controlled selective infusion of physician-specified therapeutic such as embolization materials and diagnostic materials such as contrast media.

Orion™ 21 Micro Catheter

Orion™ 21 micro catheter is a stent delivery designed micro catheter with a proximal stainless steel hypotube and a distal variable nitinol braiding for great proximal support and optimised device delivery.

PRODUCT CATALOGUE NO.	OUTER DIAMETER (F/IN)	INNER DIAMETER (IN)	TOTAL LENGTH (CM)	WIRE COMPATIBILITY (IN)	HYPOTUBE LENGTH (CM)
105-5098-150	2.4F/0.032" Proximal 2.6F/0.034" Distal	0.021	150	0.018 Max	82

INDICATIONS: The Orion™ micro catheter is intended for the controlled selective infusion of physician-specified therapeutic agents or contrast media into the vasculature of the peripheral and neuro anatomy.

MICRO CATHETERS

Echelon™ Micro Catheter

The Echelon™ micro catheter is a steam shapeable micro catheter with variable nitinol braiding and a flexible distal tip for optimal device delivery. The Echelon™ micro catheter is DMSO compatible.

PRODUCT NAME	PRODUCT CATALOGUE NO.	OUTER DIAMETER (FR)	DISTAL INNER DIAMETER (IN)	TOTAL LENGTH (CM)	USABLE LENGTH (CM)	MAX GUIDEWIRE (IN)	TIP LENGTH (MM)	TIP SHAPE
Echelon™ 10	105-5091-150	2.1-1.7	0.017	155	150	0.014	-	Straight
	145-5091-150	2.1-1.7	0.017	155	150	0.014	2.5	45°
	190-5091-150	2.1-1.7	0.017	155	150	0.014	5	90°
Echelon™ 14	105-5092-150	2.4-1.9	0.017	155	150	0.014	-	Straight
	145-5092-150	2.4-1.9	0.017	155	150	0.014	2.5	45°
	190-5092-150	2.4-1.9	0.017	155	150	0.014	5	90°

INDICATIONS: The Echelon™ micro catheter is intended to access peripheral and neurovasculature for the controlled selective infusion of physician-specified therapeutic agents such as embolization materials and of diagnostic materials such as contrast media.

Echelon™ Syringe Adapter (ESA)

The Echelon™ syringe adapter was created to address an immediate need of physicians for an additional fully compatible micro catheter option for use with the Onyx™ liquid embolic system. The ESA establishes complete compatibility between Onyx™ liquid embolic system and Echelon™ micro catheter by:

- 1) Reducing dead space in the catheter hub, which prevents Onyx™ liquid embolic system and DMSO mixing in the hub.
- 2) Simplifying the preparation process. By increasing the compatibility in these ways, the ESA significantly improves the visualization of Onyx™ liquid embolic system under fluoroscopy.

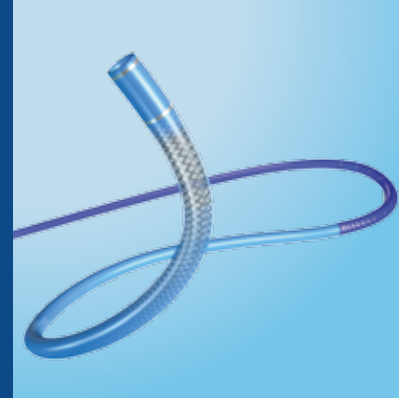
PRODUCT CATALOGUE NO.	UNITS
103-5095	20

Marksman™ Micro Catheter

All Marksman™ micro catheters are specially designed for the optimal and safe delivery of the Pipeline™ embolization device except Marksman™ 160 micro catheter specially designed for Stroke. Proximally the design is offering a stainless steel coil and a stainless steel braiding for optimised handling and support. The Marksman™ catheter has a high kink resistant stainless steel braiding for a smooth device delivery.

PRODUCT CATALOGUE NO.	OUTER DIAMETER DISTAL/PROXIMAL (FR)	INNER DIAMETER (IN)	WORKING LENGTH (CM)	DISTAL FLEXIBLE LENGTH (CM)
FA-55105-1015	2.8/3.2	0.027	105	10
FA-55135-1030	2.8/3.2	0.027	135	10
FA-55150-1030	2.8/3.2	0.027	150	10
FA-55160-1030	2.8/3.2	0.027	160	10

INDICATIONS: The Marksman™ micro catheter is intended for the introduction of interventional and infusion of diagnostic or therapeutic agents into the neuro, peripheral, and coronary vasculature.



Rebar™ Reinforced Micro Catheter

Rebar™ micro catheter is a stainless steel coil reinforced micro catheter offering high kink resistance for optimal device delivery. Rebar™ micro catheter is compatible with Onyx™ liquid embolic system.

PRODUCT NAME	PRODUCT CATALOGUE NO.	OUTER DIAMETER (FR)	DISTAL INNER DIAMETER (IN)	TOTAL LENGTH (CM)	USABLE LENGTH (CM)	MAX GUIDEWIRE (IN)	MARKER BANDS
Rebar™ 10	105-5078-153	2.3-1.7	0.015	158	153	0.012	1
	105-5078-153C	2.3-1.7	0.015	158	153	0.012	2
Rebar™ 14	105-5080-153	1.4-1.9	0.017	158	153	0.014	1
	105-5080-153C	1.4-1.9	0.017	158	153	0.014	2
Rebar™ 18	105-5081-153	2.4-2.7	0.021	158	153	0.018	2
Rebar™ 27	105-5082-130	2.8-2.8	0.027	135	130	0.021	1

INDICATIONS: The Rebar™ micro catheter is intended for the controlled selective infusion of physician-specified therapeutic agents or contrast media into the vasculature of the peripheral and neuro anatomy.

Nautica™ Micro Catheter

Nautica™ micro catheter is a device delivery micro catheter with variable stiffness zones for optimal support and navigation.

PRODUCT CATALOGUE NO.	OUTER DIAMETER (FR)	DISTAL INNER DIAMETER (IN)	TOTAL LENGTH (CM)	USABLE LENGTH (CM)	MAX GUIDEWIRE (IN)
105-5094-153	2.8-2.2	0.018	155	150	0.016

INDICATIONS: The Nautica™ micro catheter is intended to access peripheral and neurovasculature for the controlled selective infusion of physician-specified therapeutic agents such as embolization materials and of diagnostic materials such as contrast media.

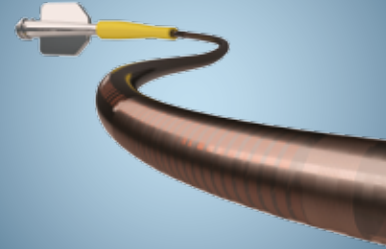
Phenom™ Micro Catheter

Different clinical scenarios require variations in levels of support and navigation. With Phenom™ catheters, we provide various catheter specifications to meet your needs. Inner lumen engineered to prevent ovalization and deliver devices with minimal friction. Composite shaft provides superior pushability. The ultimate delivery platform for coil and stent deployment.

PRODUCT CATALOGUE NO.	SIZE	DISTAL O.D. (IN)	PROXIMAL O.D. (IN)	CATHETER I.D. (IN)	WORKING LENGTH (CM)	COIL LENGTH (CM)	DISTAL LENGTH (CM)	TIP SHAPE	TIP MARKERS
FG11150-0615-2S	11	0.024	0.029	0.017	150	15	6	Straight	2
FG11150-0615-2J	11	0.024	0.029	0.017	150	15	6	J Curve	2
FG11150-0615-2X	11	0.024	0.029	0.017	150	15	6	45 Degree	2
FG11150-0615-2R	11	0.024	0.029	0.017	150	15	6	90 Degree	2
FG13150-0615-2S	11	0.03	0.034	0.021	150	15	6	Straight	2
FG13150-0615-2X	11	0.03	0.034	0.021	150	15	6	45 Degree	2
FG13150-0615-2R	11	0.03	0.034	0.021	150	15	6	90 Degree	2
FG13150-0615-2J	11	0.03	0.034	0.021	150	15	6	J Curve	2
FG15150-0615-1S	15	0.036	0.04	0.027	150	15	6	Straight	1
FG15150-0630-1S	15	0.036	0.04	0.027	150	30	6	Straight	1
FG19105-0630-1S	19	0.055	0.061	0.0445	105	30	6	Straight	1
FG19120-1030-1S	19	0.055	0.061	0.0445	120	30	10	Straight	1

INDICATIONS: Phenom™ catheters are intended for the introduction of interventional devices and infusion of diagnostic or therapeutic agents into the neuro, peripheral, and coronary vasculatures.

INTRACRANIAL CATHETERS



Arc™ Intracranial Support Catheter

The Arc™ support catheter is the most navigable, most powerful aspirating 6F tapered catheter available and when combined with SRD2 will provide the complete stroke disease state solution for AIS interventions.

PRODUCT NAME	PRODUCT CATALOGUE NO.	PROXIMAL OUTER DIAMETER (IN)	DISTAL OUTER DIAMETER (IN)	PROXIMAL INNER DIAMETER (IN)	DISTAL INNER DIAMETER (IN)	WORKING LENGTH (CM)	MAX WIRE COMPATIBILITY (IN)
Arc™ catheter	ARCA-132	0.08	0.069	0.069	0.061	132	0.038
Arc™ Mini catheter	ARCA-160	0.06	0.044	0.044	0.035	160	0.032

INDICATIONS: The Arc™ and Arc™ Mini intracranial support catheters are indicated for the introduction of interventional devices into the peripheral and neurovasculature. The Arc™ Intracranial Support Catheter is also indicated for the removal/aspiration of fresh, soft emboli and thrombi from selected blood vessels in the arterial system, including neurovasculature.

Navien™ A+ Intracranial Support Catheter

Navien™ intracranial support catheter with a variable pitch nitinol coil offering a very flexible and supportive catheter with minimal ovalization for optimal device delivery.

PRODUCT CATALOGUE NO.	OUTER DIAMETER (FR/IN)	INNER DIAMETER (IN)	TOTAL LENGTH (CM)	TIP SHAPE	WIRE COMPATIBILITY (IN)
RFXA058-105-08	5/0.07 max	0.058	105	Straight	0.035/0.038
RFXA058-115-08	5/0.07 max	0.058	115	Straight	0.035/0.038
RFXA058-125-08	5/0.07 max	0.058	125	Straight	0.035/0.038
RFXA058-130-08	5/0.070 max	0.058	130	Straight	0.035/0.038
RFXA072-95-08	6/0.084 max	0.072	95	Straight	0.035/0.038
RFXA072-95-08MP	6/0.084 max	0.072	95	Multi-Purpose 25°	0.035/0.038
RFXA072-105-08	6/0.084 max	0.072	105	Straight	0.035/0.038
RFXA072-115-08	6/0.084 max	0.072	115	Straight	0.035/0.038
RFXA072-125-08	6/0.084 max	0.072	125	Straight	0.035/0.038
RFXA072-105-08MP	6/0.084 max	0.072	105	Multi-Purpose 25°	0.035/0.038
RFXA072-115-08MP	6/0.084 max	0.072	115	Multi-Purpose 25°	0.035/0.038
RFXA072-125-08MP	6/0.084 max	0.072	125	Multi-Purpose 25°	0.035/0.038
RFXA072-130-08	6/0.084 max	0.072	130	Straight	0.035/0.038
RFXA072-130-08MP	6/0.084 max	0.072	130	Multi-Purpose 25°	0.035/0.038

Distal Flexible Length for all sizes = 8cm

INDICATIONS: The Navien™ intracranial catheter is indicated for the introduction of interventional/diagnostic devices into the peripheral, coronary, and neuro vasculature. The Navien™ intracranial catheter is also indicated for the removal/aspiration of fresh, soft emboli and thrombi from selected blood vessels in the arterial system, including neurovasculature.

INTRAVASCULAR CATHETER



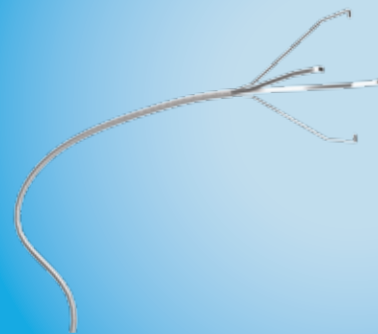
Cello™ Balloon Guide Catheter

The Cello™ balloon guide catheter is indicated for use in facilitating the insertion and guidance of intravascular catheters into a selected blood vessel in the peripheral and neuro vascular systems. The balloon provides temporary vascular occlusion during these and other angiographic procedures.

PRODUCT NAME	PRODUCT CATALOGUE NO.	CONFORMABLE SHEATH (F)	OUTER DIAMETER (IN)	INNER DIAMETER (IN)	TIP LENGTH (MM)	BALLOON LENGTH (MM)	EFFECTIVE LENGTH (CM)	TOTAL LENGTH (CM)
Cello 6F+	1610060	7	6F+ (0.079)	0.051	3	7	95	103
Cello 7F+	1610070	8	7F+ (0.094)	0.067	3	7	95	103
Cello 8F	1610080	8	8F (0.106)	0.075	3	10	95	103
Cello 9F	1610090	9	9F (0.114)	0.085	3	10	92	100

INDICATIONS: The Cello™ balloon guide catheter is intended to temporarily block blood flow by expanding a balloon inside blood vessels during operations, such as: urgent hemostasis, hemostasis for surgery, perfusion of blood to peripheral vessel and arterial injection for chemotherapy.

ALLIGATOR™ RETRIEVAL DEVICE



The Alligator™ retrieval device is engineered with guidewire flexibility and trackability for optimal foreign body retrieval.
The Alligator™ retrieval device can be used with any 3F (0.21 I.D.) micro catheter - getting there with ease on a catheter you choose.

PRODUCT CATALOGUE NO.	DESCRIPTION	JAW DIAMETER (IN)	QUANTITY	OUTER DIAMETER (MM)	TOTAL LENGTH (CM)
FA-88810-20	2 mm ARD	2	1	0.40 (0.016 in)	175 (69 in)
FA-88810-30	3 mm ARD	3	1	0.40 (0.016 in)	175 (69 in)
FA-88810-40	4 mm ARD	4	1	0.40 (0.016 in)	175 (69 in)
FA-88810-50	5 mm ARD	5	1	0.40 (0.016 in)	175 (69 in)

INDICATIONS: The Alligator™ retrieval device is intended for use in the peripheral and neurovasculature for foreign body retrieval.

ACCESSORIES



Cadence™ Precision Injector

Cadence™ precision injector syringe with threaded plunger.

PRODUCT CATALOGUE NO.	CAPACITY (ML)	SYRINGES/BOX
103-0304	1	5

INDICATIONS: The Cadence™ precision injector is intended for the delivery of fluids.

1ml Luer-Lock Injection Syringe

PRODUCT CATALOGUE NO.	CAPACITY (ML)	SYRINGES/BOX
103-1203	1	10

INDICATIONS: The Luer-Lock injector syringe is intended for the delivery of fluids.

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