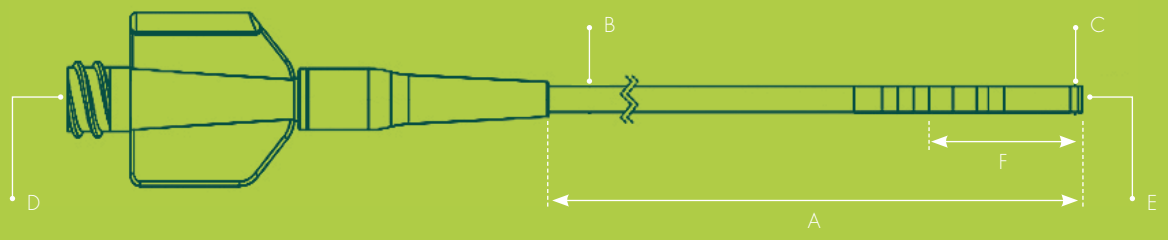

ordering information

	A	B	C	D	E	F
Reference	Usable length	Proximal O.D.	Distal O.D.	Proximal I.D.	Distal I.D.	Hydrophilic coating
BALLAST80	80 cm	0.106″	0.100″	0.088″	0.088″	20 cm
BALLAST90	90 cm					
BALLAST100	100 cm					

ballast compatibilities

8F short introducer sheath

6F diagnostic catheter

each ballast pack contains

Long dilator

Introducer sheath

9F Hemostasis valve

8F Hemostasis valve adapter

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balt
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ballast™

get there
stay there

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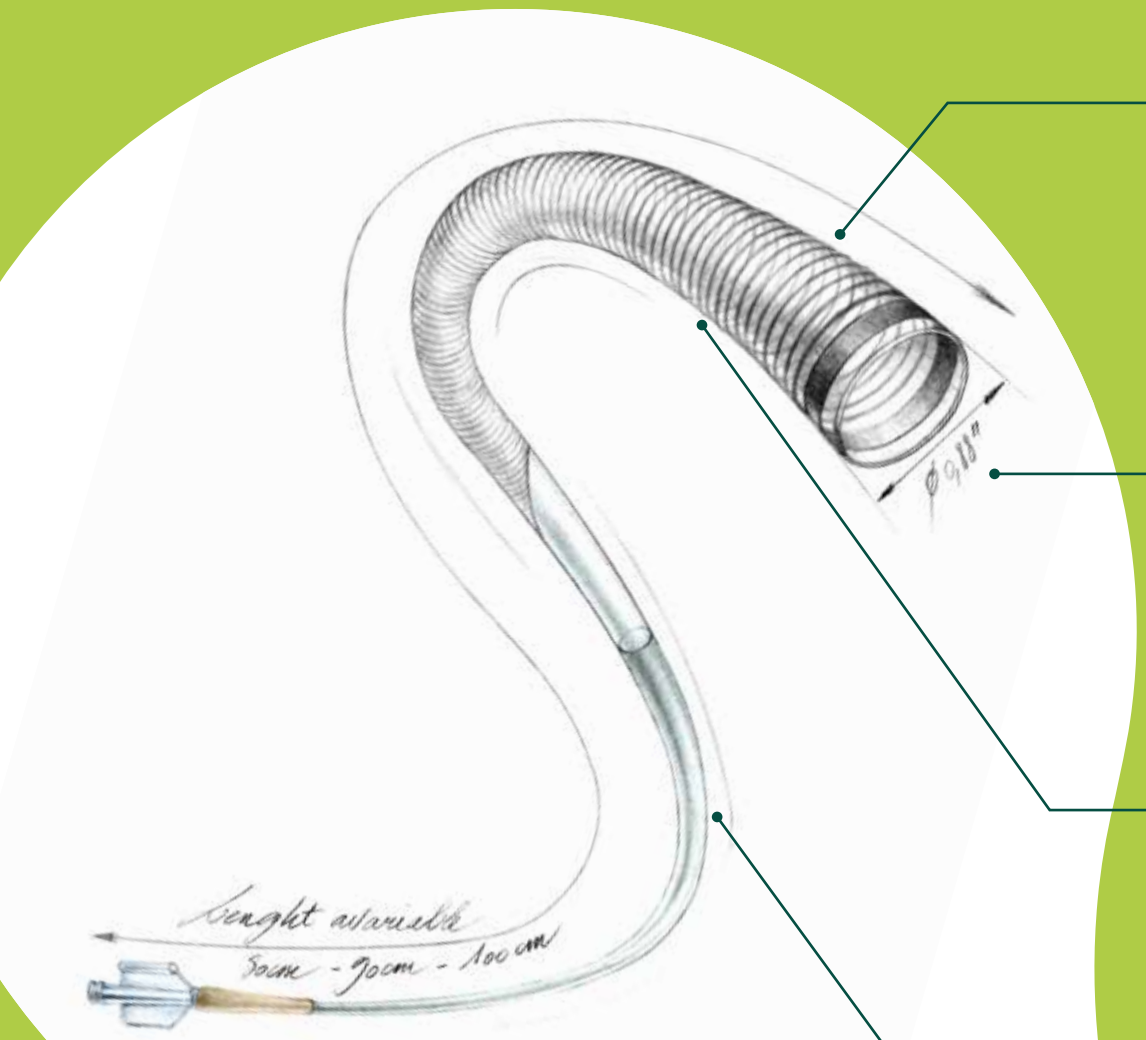
BALLAST
LONG SHEATH

large I.D. .088"

access treatment

Long sheath 6F .088

Designed to provide support for rapid introduction of interventional devices into the peripheral, coronary and neuro vasculature.



get there

Smooth navigation

Soft delivery of devices
thanks to the progressively softer coiled distal tip & small O.D.

Lubricity & trackability
enhanced by the extended hydrophilic coating (20 cm on the distal part)

Broad treatment options

allowed by the various lengths and large .088" I.D.

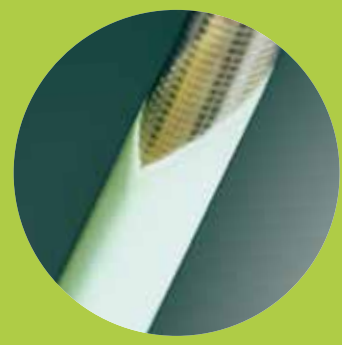
stay there

Solid kink resistance

Supple* distal part
given by its progressively coiled distal tip construction

Optimal support & pushability

High* proximal support
provided by the coiled and braided reinforced proximal segment

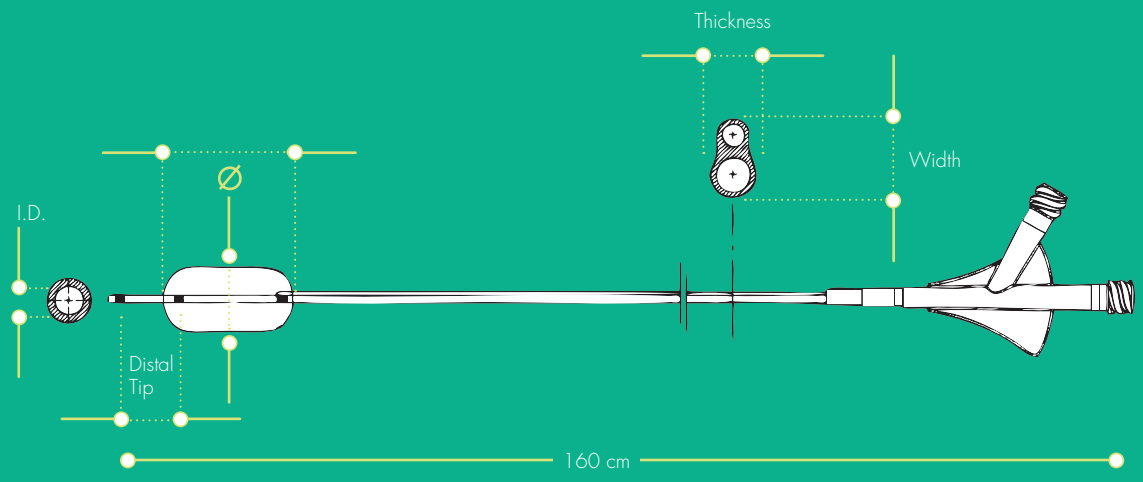


progressively softer
coiled distal tip &
small O.D.

*According to bench test
(Internal data)

balloon inflation compliance

	Balloon Catheter	2 mm	3 mm	4 mm	5 mm	6 mm
Copernic 2L	COP2L 6X20	0,04 ml	0,11 ml	0,21 ml	0,33 ml	0,45 ml



Ø: Diameter I.D: Internal Diameter O.D: Outer Diameter L: Length

ordering information

	Reference	Balloon		Distal tip O.D. x length	I.D. (main lumen)	Double lumen outer dimensions	
		Max Ø (mm)	Length (mm)			Thickness	Width
Copernic 2L	COP2L 6x20	6	20	2,5Fx 12 mm	Ø 0.60 mm / .024" (equivalent to VASCO+21) because of product part number	Ø 0,9 mm (equivalent to 2,7F)	1,26 mm

Reference: 1. Contrast media viscosity under 9 cP - Internal data.

The COPERNIC 2L double lumen balloon catheters are intended for use in the peripheral vasculature and neurovasculature for temporary occlusion. The balloon catheters provide temporary vascular occlusion which is useful in selectively stopping or controlling blood flow and for the vasospasm treatment. The balloon catheters also offer balloon assisted embolization of intracranial aneurysms. They are also indicated for use in the peripheral vasculature and neurovasculature for administration of diagnostic agents (contrast solution) and therapeutic agents (embolization materials compatible with the inner diameter of the balloon catheters COPERNIC 2L). This document with associated pictures are non-contractual and are solely dedicated to healthcare professionals and BALT S.A.S and affiliates' distributors. The products commercialized by BALT SAS and affiliates shall exclusively be used in accordance with the package inserts which have been updated and included in the boxes. COPERNIC 2L is class III CE marked (LNE/G-Med CE0459) according to the Medical Device Directive 93/42/EEC since 2014.
DC036GB (06/2017)

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balt
inspiring innovation

copernic 2L

double lumen
balloon catheter

balt
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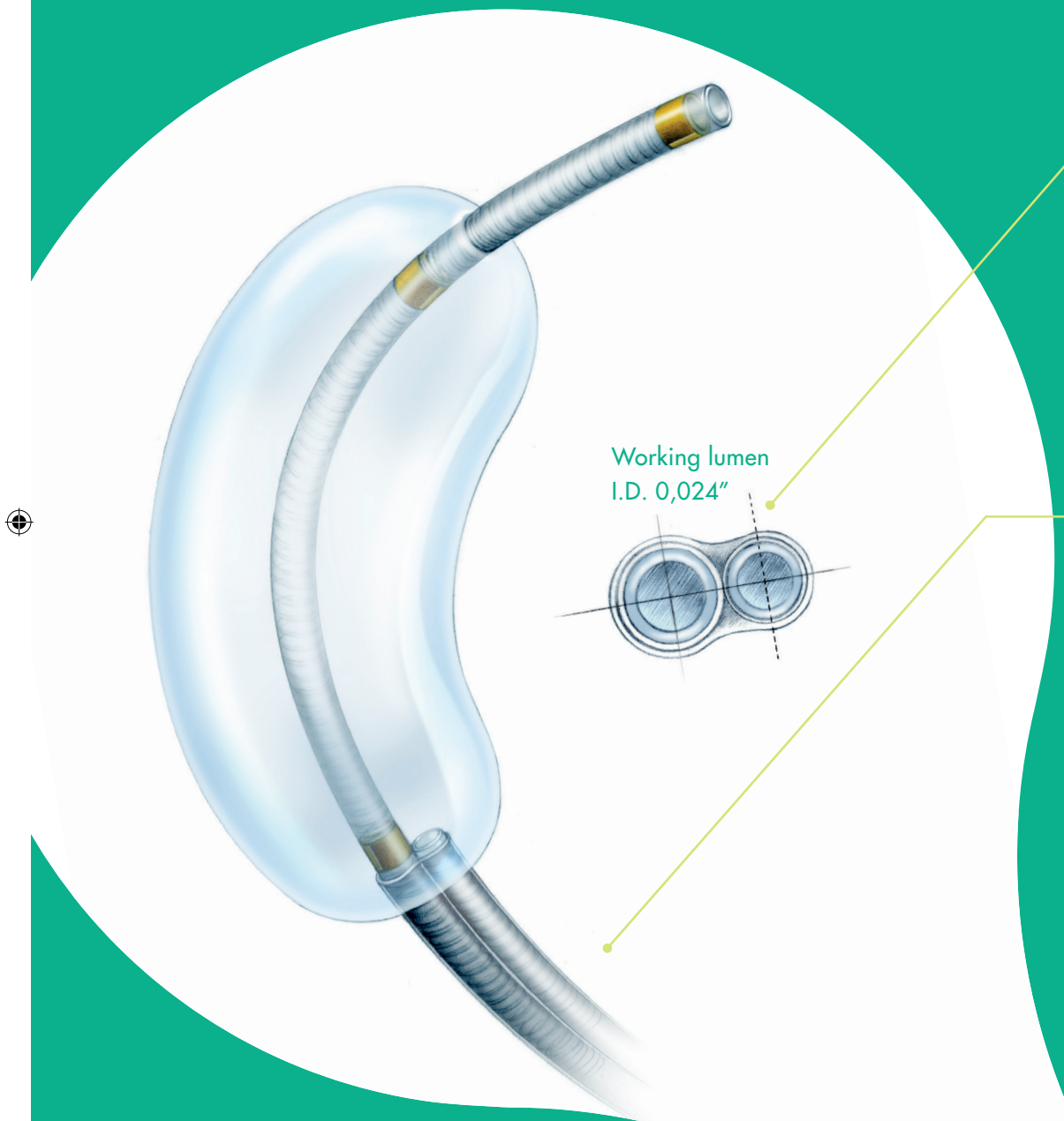
copernic 2L

The newcomer with unique features

Designed for use in the peripheral vasculature and neurovasculature, provide temporary vascular occlusion, vasospasm treatment, balloon assisted embolization, administration of diagnostic agents (contrast solution) and therapeutic agents



unique
double lumen balloon design

Flat catheter concept
- ease of use

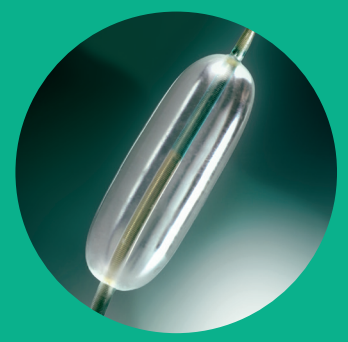
Quick Inflation / deflation time[1]

High visibility
as balloons can be filled from 50% contrast media

Unique double balloon catheter
with an ID working lumen .024"

Safety - easy valve

Easy purging system
Safety increased - reduced risk of blood aspiration



Large applications FARGOMAX6F

Remodeling
Copernic 2L can be used in parallel with a coiling microcatheter (VASCO+10) in a single 6F guiding catheter (FARGOMAX6F)

Leo+ 3,5

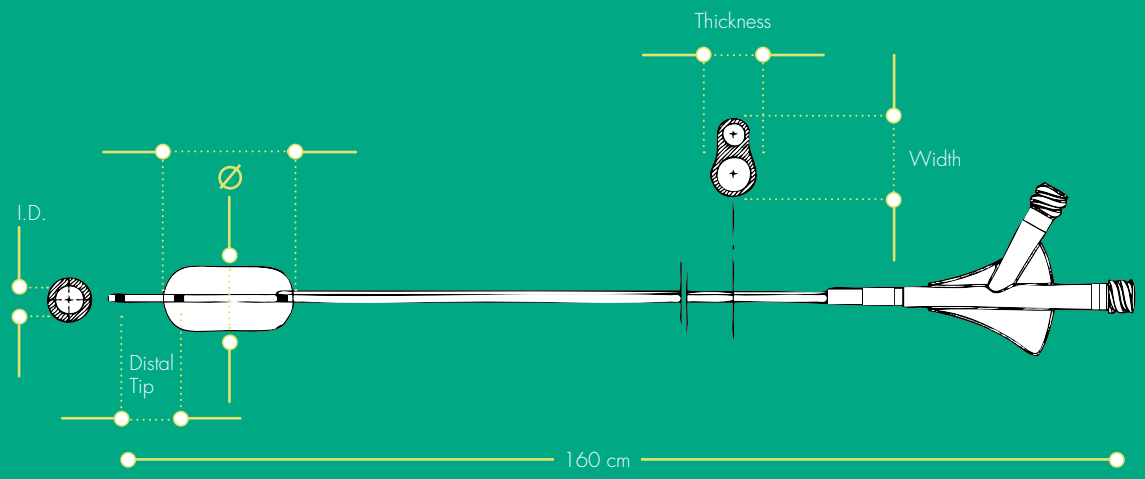
Silk+ 2,0 to 4,5

Squid
DMSO Compatible

aneurysm treatment

balloon inflation compliance

	Balloon Catheter	2mm	3mm	4mm	5mm	6mm
Eclipse 2L	ECL2L 6x7 SN	0,02 ml	0,04 ml	0,08 ml	0,13 ml	0,20 ml
	ECL2L 6x9	0,02 ml	0,06 ml	0,10 ml	0,16 ml	0,25 ml
	ECL2L 6x12	0,03 ml	0,07 ml	0,13 ml	0,21 ml	0,30 ml
	ECL2L 6x15	0,04 ml	0,09 ml	0,16 ml	0,26 ml	0,40 ml
	ECL2L 6x20	0,05 ml	0,12 ml	0,21 ml	0,34 ml	0,45 ml



Ø: Diameter I.D: Internal Diameter O.D: Outer Diameter L: Length

ordering information

	Reference	Balloon (mm)		Distal tip O.D. x length	I.D. (main lumen)	Double lumen outer dimensions	
		Max Ø (mm)	Length (mm)			Thickness	Width
Eclipse 2L	ECL2L 6x7 SN	6	7	2,0Fx3mm	Ø 0.41 mm / .017" (equivalent to VASCO+10)	Ø 0,9 mm (equivalent to 2,7F)	1,15 mm
	ECL2L 6x9	6	9	2,0Fx7mm			
	ECL2L 6x12	6	12				
	ECL2L 6x15	6	15				
	ECL2L 6x20	6	20				

References: 1. Internal data 2. Contrast media viscosity under 9 cP - Internal data.

ECLIPSE 2L is a double lumen balloon catheter intended for use in the peripheral vasculature and neurovasculature for temporary occlusion. The balloon catheters provide temporary vascular occlusion which is useful in selectively stopping or controlling blood flow and for the vasospasm treatment. The balloon catheters also offer balloon assisted embolization of intracranial aneurysms. They are also indicated for use in the peripheral vasculature and neurovasculature for administration of diagnostic agents (contrast solution) and therapeutic agents (embolization materials compatible with the inner diameter of the balloon catheters ECLIPSE 2L). Class III CE0297 in compliance with Medical Device Directive (MDD 93/42/EEC amended by 2007/47/EC). Manufactured by BALT Extrusion. Carefully read the instructions for use before use. First CE marking:2014.

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eclipse 2L

double lumen
balloon catheter

balt
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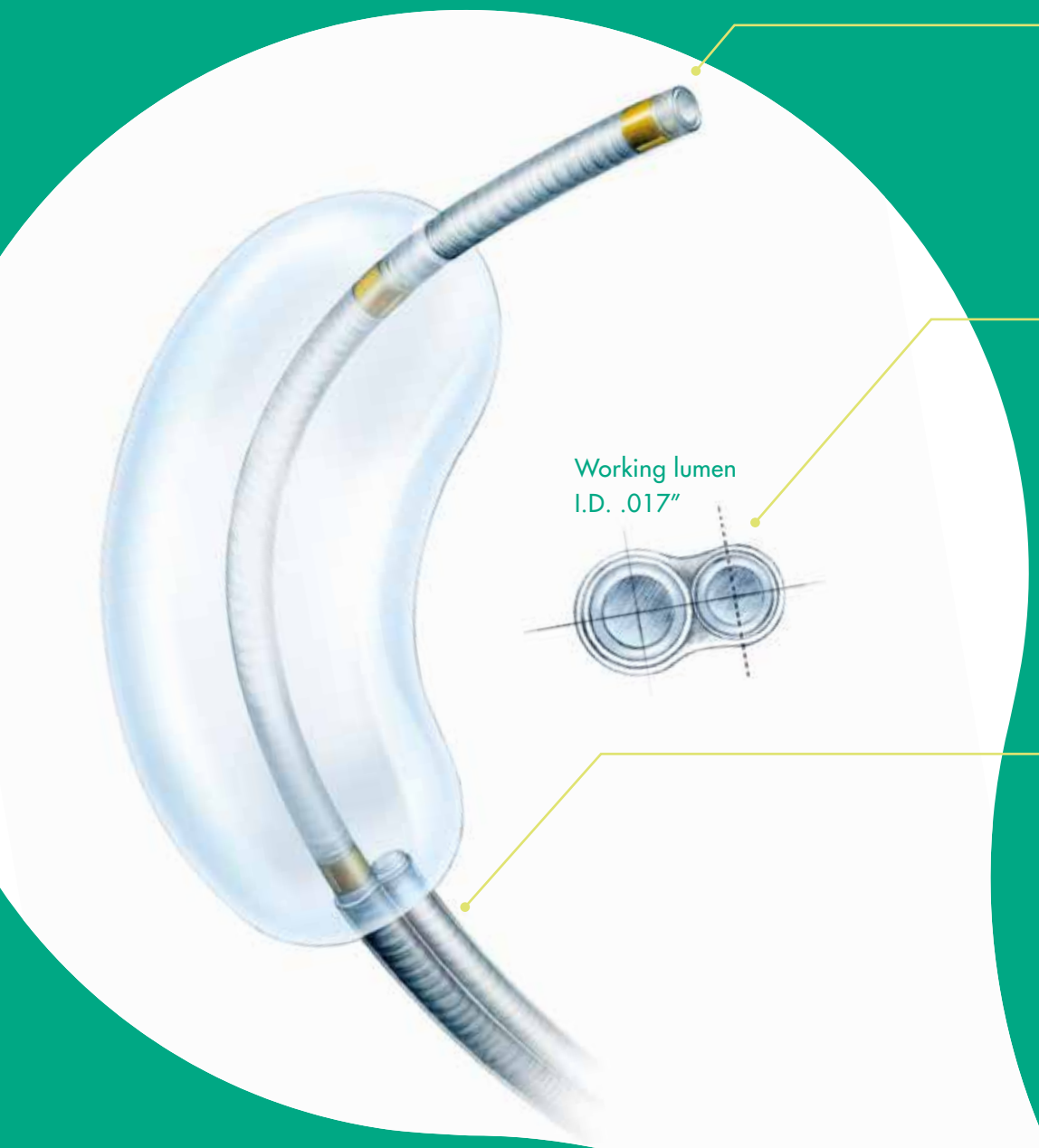
eclipse^{2L}

Exclusive design bringing unequalled features

Designed for use in the peripheral vasculature and neurovasculature, provide temporary vascular occlusion, vasospasm treatment, balloon assisted embolization, administration of diagnostic agents (contrast solution) and therapeutic agents



5 times faster deflation

Variety of tip lengths

For better stability and navigation
Eclipse 2L has a 7mm-long tip distal to the balloon

Eclipse 2L is also available with a short distal tip (Short Nose version)

Flat catheter concept - ease of use

Inflation / deflation time
five times quicker than competition[1]

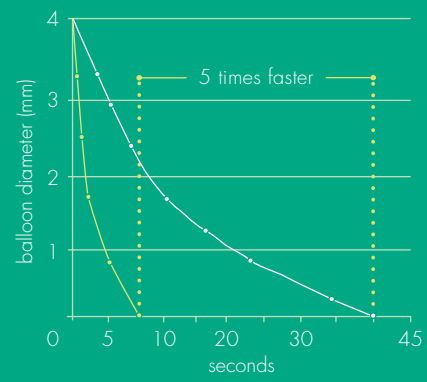
High visibility
as balloons can be filled up with 100% contrast media[2]

Navigation
improved thanks to the hydrophilic coating. Eclipse 2L can go inside artery of 1.5mm

Safety - easy valve

Easy purging system
Safety increased thanks to a reduced risk of blood aspiration

Balloon deflation time comparison



Large applications

Remodeling
Eclipse 2L can be used in parallel with a coiling microcatheter VASCO+10 in a single 6F guiding catheter (FARGOMAX6F)

Leo+ Baby

Squid
DMSO Compatible

Coils

aneurysm treatment

balloon inflation compliance

	Balloon Catheter	2mm	3mm	4mm	5mm	6mm
Eclipse 2L	ECL2L 6x7 SN	0,02 ml	0,04 ml	0,08 ml	0,13 ml	0,20 ml
	ECL2L 6x9	0,02 ml	0,06 ml	0,10 ml	0,16 ml	0,25 ml
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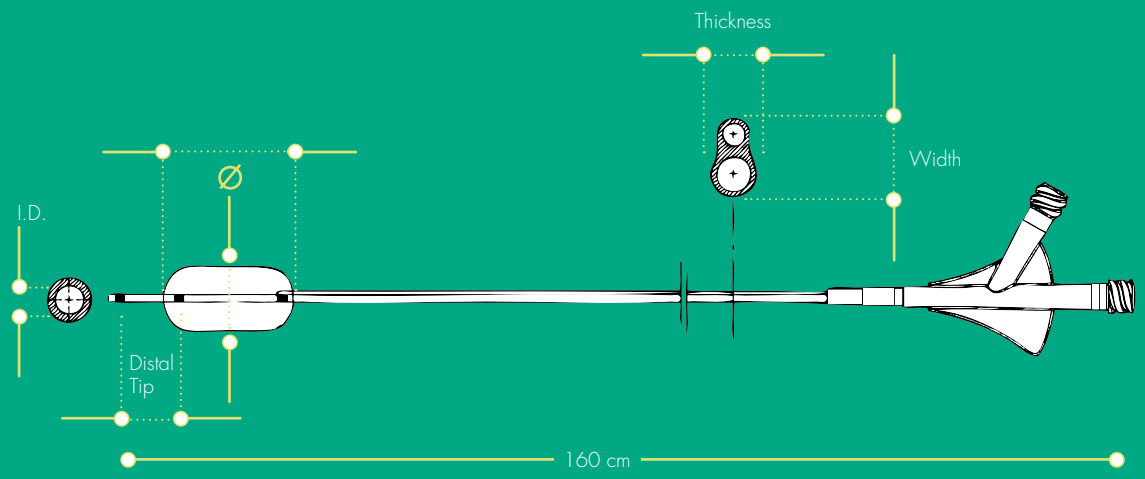
	ECL2L 6x15	0,04 ml	0,09 ml	0,16 ml	0,26 ml	0,40 ml
	ECL2L 6x20	0,05 ml	0,12 ml	0,21 ml	0,34 ml	0,45 ml



Ø: Diameter I.D: Internal Diameter O.D: Outer Diameter L: Length

ordering information

	Reference	Balloon (mm)		Distal tip O.D. x length	I.D. (main lumen)	Double lumen outer dimensions	
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	ECL2L 6x9	6	9	2,0Fx7mm			
	ECL2L 6x12	6	12				
	ECL2L 6x15	6	15				
	ECL2L 6x20	6	20				

References: 1. Internal data 2. Contrast media viscosity under 9 cP - Internal data.

ECLIPSE 2L is a double lumen balloon catheter intended for use in the peripheral vasculature and neurovasculature for temporary occlusion. The balloon catheters provide temporary vascular occlusion which is useful in selectively stopping or controlling blood flow and for the vasospasm treatment. The balloon catheters also offer balloon assisted embolization of intracranial aneurysms. They are also indicated for use in the peripheral vasculature and neurovasculature for administration of diagnostic agents (contrast solution) and therapeutic agents (embolization materials compatible with the inner diameter of the balloon catheters ECLIPSE 2L). Class III CE0297 in compliance with Medical Device Directive (MDD 93/42/EEC amended by 2007/47/EC). Manufactured by BALT Extrusion. Carefully read the instructions for use before use. First CE marking:2014.

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eclipse 2L

double lumen
balloon catheter

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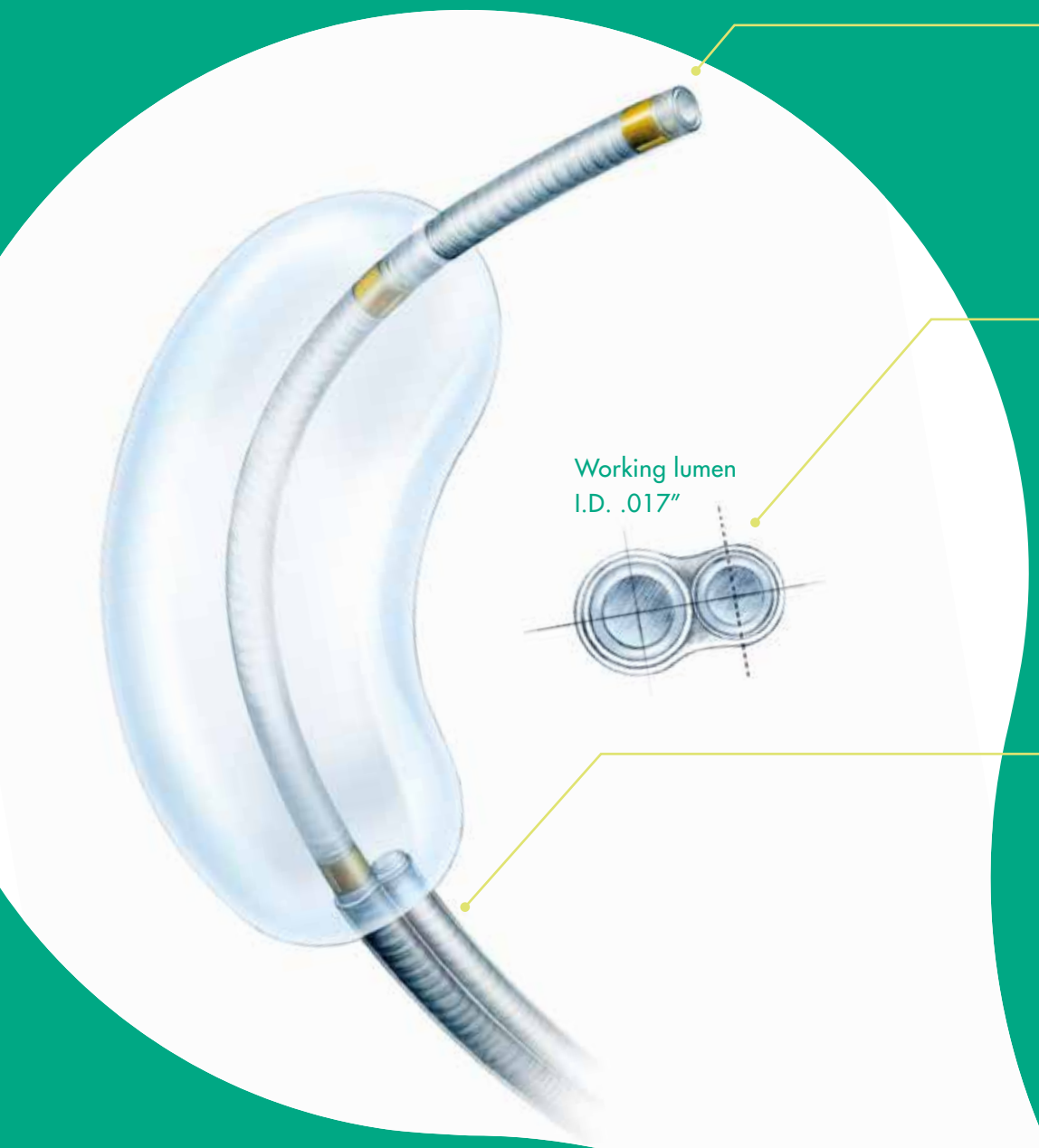
eclipse^{2L}

Exclusive design bringing unequalled features

Designed for use in the peripheral vasculature and neurovasculature, provide temporary vascular occlusion, vasospasm treatment, balloon assisted embolization, administration of diagnostic agents (contrast solution) and therapeutic agents



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Variety of tip lengths

For better stability and navigation
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Easy purging system
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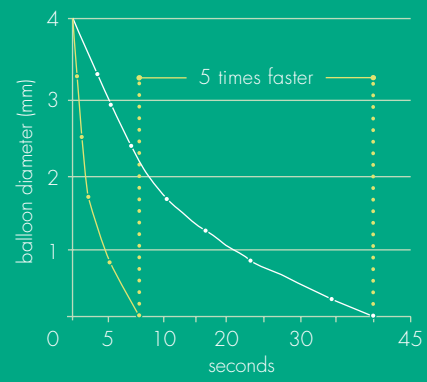


Large applications

Remodeling
Eclipse 2L can be used in parallel with a coiling microcatheter VASCO+10 in a single 6F guiding catheter (FARGOMAX6F)

Leo+ Baby

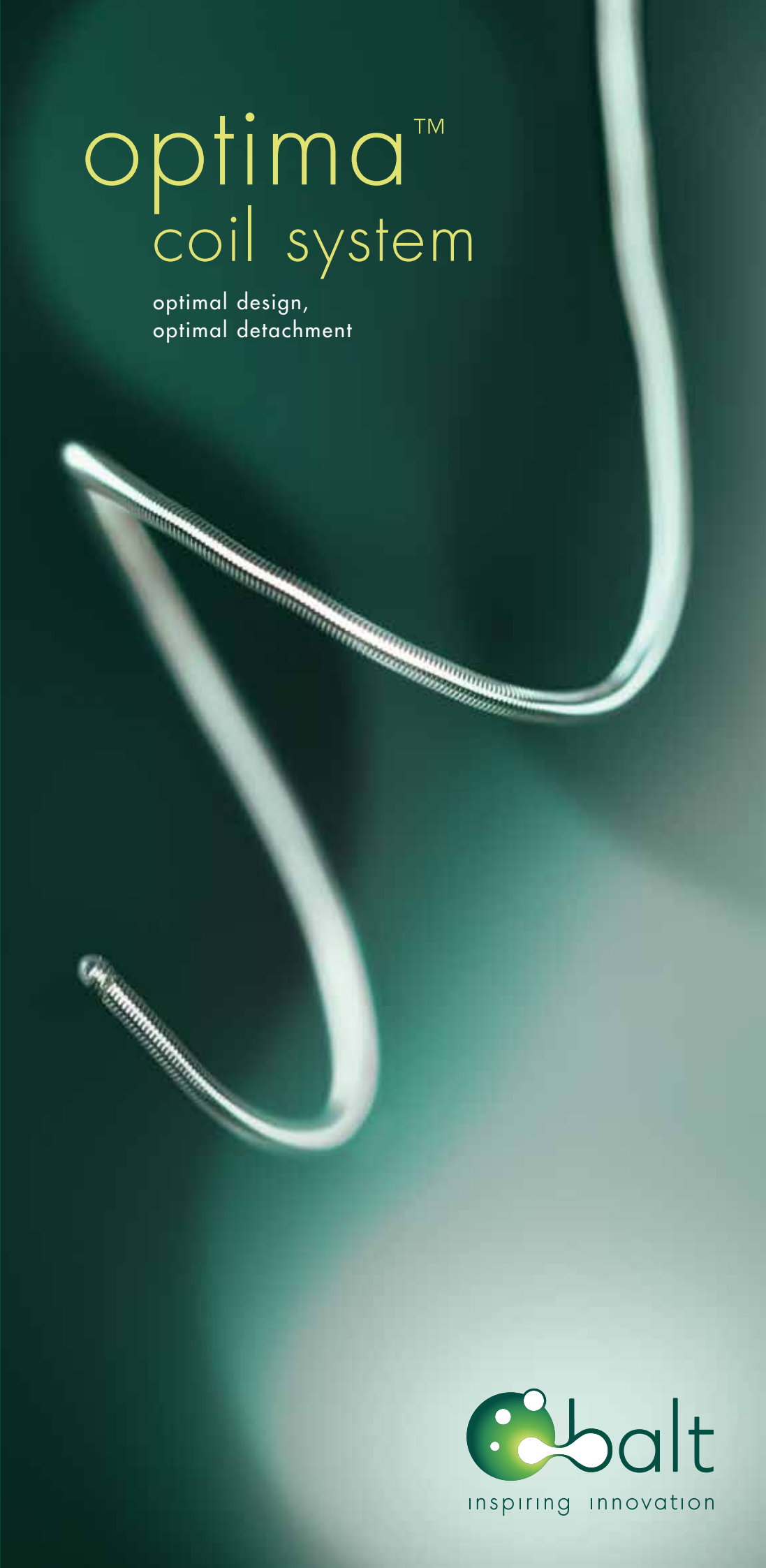
Squid
DMSO Compatible

Coils

aneurysm treatment

optima™
coil system

optimal design,
optimal detachment



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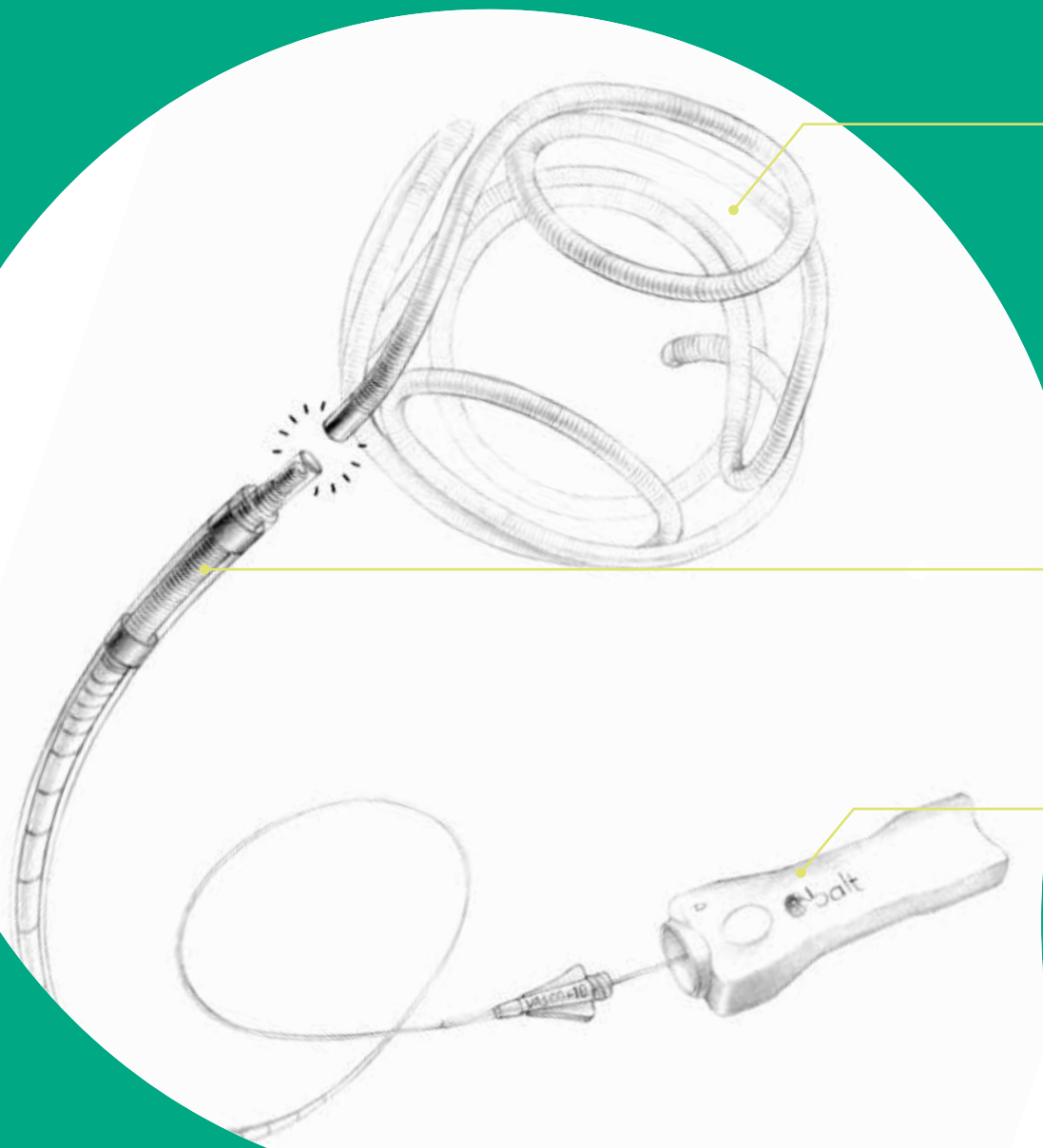
optima™
coil system

Detachment in an instant

Designed to endovascularly obstruct or occlude blood flow in abnormalities of the peripheral and neurovasculature.



Instantaneous detachment < 1 second[1]

100% detachment rate

with 99% first detachment success[2,3,4]

aneurysm treatment

Optimal design

Coil softness
maximized through variations of filar and primary wind for deliverability and conformability

Complete offering
with a full range of Complex & Helical coils in Standard, Soft & Super Soft configurations to provide options in any clinical scenario

Pusher design
with spiral cut hypotube & progressive softer body coil ensuring smooth **pushability** & microcatheter **stability**

Optimal detachment

Instantaneous detachment
in under 1 second allows for rapid aneurysm treatment & efficient case times

Reliable detachment system
provides confidence during coiling cases

a full range
of complex &
helical coils

see ordering
information overleaf

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ordering information

The Optima Coil System provides one of the most complete coil offering on the market

Complex 10 Super Soft

Model No.	Implant size
OPTI0101CSS10	1mm x 1cm
OPTI0102CSS10	1mm x 2cm
OPTI0103CSS10	1mm x 3cm
OPTI0104CSS10	1mm x 4cm
OPTI0152CSS10	1.5mm x 2cm
OPTI0153CSS10	1.5mm x 3cm
OPTI0154CSS10	1.5mm x 4cm
OPTI0202CSS10	2mm x 2cm
OPTI0203CSS10	2mm x 3cm
OPTI0204CSS10	2mm x 4cm
OPTI0206CSS10	2mm x 6cm
OPTI0208CSS10	2mm x 8cm
OPTI0253CSS10	2.5mm x 3cm
OPTI0254CSS10	2.5mm x 4cm
OPTI0256CSS10	2.5mm x 6cm
OPTI0304CSS10	3mm x 4cm
OPTI0306CSS10	3mm x 6cm
OPTI0308CSS10	3mm x 8cm
OPTI0310CSS10	3mm x 10cm
OPTI0356CSS10	3.5mm x 6cm
OPTI0358CSS10	3.5mm x 8cm
OPTI0406CSS10	4mm x 6cm
OPTI0408CSS10	4mm x 8cm
OPTI0410CSS10	4mm x 10cm
OPTI0508CSS10	5mm x 8cm
OPTI0510CSS10	5mm x 10cm
OPTI0513CSS10	5mm x 13cm

Complex 10 Soft

Model No.	Implant size
OPTI0203CSF10	2mm x 3cm
OPTI0204CSF10	2mm x 4cm
OPTI0206CSF10	2mm x 6cm
OPTI0208CSF10	2mm x 8cm
OPTI0255CSF10	2.5mm x 5cm
OPTI0306CSF10	3mm x 6cm
OPTI0308CSF10	3mm x 8cm
OPTI0310CSF10	3mm x 10cm
OPTI0407CSF10	4mm x 7cm
OPTI0413CSF10	4mm x 13cm
OPTI0509CSF10	5mm x 9cm
OPTI0517CSF10	5mm x 17cm
OPTI0611CSF10	6mm x 11cm
OPTI0620CSF10	6mm x 20cm
OPTI0713CSF10	7mm x 13cm
OPTI0724CSF10	7mm x 24cm
OPTI0816CSF10	8mm x 16cm
OPTI0827CSF10	8mm x 27cm

Complex 10 Standard

Model No.	Implant size
OPTI0517CST10	5mm x 17cm
OPTI0611CST10	6mm x 11cm
OPTI0620CST10	6mm x 20cm
OPTI0713CST10	7mm x 13cm
OPTI0724CST10	7mm x 24cm
OPTI0816CST10	8mm x 16cm
OPTI0827CST10	8mm x 27cm
OPTI0923CST10	9mm x 23cm
OPTI0930CST10	9mm x 30cm
OPTI1027CST10	10mm x 27cm
OPTI1034CST10	10mm x 34cm

Complex 18

Model No.	Implant size
OPTI0620COM18	6mm x 20cm
OPTI0724COM18	7mm x 24cm
OPTI0827COM18	8mm x 27cm
OPTI0930COM18	9mm x 30cm
OPTI1034COM18	10mm x 34cm
OPTI1137COM18	11mm x 37cm
OPTI1240COM18	12mm x 40cm
OPTI1343COM18	13mm x 43cm
OPTI1447COM18	14mm x 47cm
OPTI1550COM18	15mm x 50cm
OPTI1655COM18	16mm x 55cm
OPTI1860COM18	18mm x 60cm
OPTI2065COM18	20mm x 65cm
OPTI2265COM18	22mm x 65cm
OPTI2465COM18	24mm x 65cm

Helical 10 Super Soft

Model No.	Implant size
OPTI0101HSS10	1mm x 1cm
OPTI0102HSS10	1mm x 2cm
OPTI0103HSS10	1mm x 3cm
OPTI0104HSS10	1mm x 4cm
OPTI0151HSS10	1.5mm x 1cm
OPTI0152HSS10	1.5mm x 2cm
OPTI0153HSS10	1.5mm x 3cm
OPTI0154HSS10	1.5mm x 4cm
OPTI0201HSS10	2mm x 1cm
OPTI0202HSS10	2mm x 2cm
OPTI0203HSS10	2mm x 3cm
OPTI0204HSS10	2mm x 4cm
OPTI0206HSS10	2mm x 6cm
OPTI0208HSS10	2mm x 8cm
OPTI0253HSS10	2.5mm x 3cm
OPTI0254HSS10	2.5mm x 4cm
OPTI0256HSS10	2.5mm x 6cm
OPTI0304HSS10	3mm x 4cm
OPTI0306HSS10	3mm x 6cm
OPTI0308HSS10	3mm x 8cm
OPTI0310HSS10	3mm x 10cm
OPTI0406HSS10	4mm x 6cm
OPTI0408HSS10	4mm x 8cm
OPTI0410HSS10	4mm x 10m
OPTI0506HSS10	5mm x 6cm
OPTI0508HSS10	5mm x 8cm
OPTI0510HSS10	5mm x 10cm

Helical 10 Soft

Model No.	Implant size
OPTI0304HSF10	3mm x 4cm
OPTI0306HSF10	3mm x 6cm
OPTI0308HSF10	3mm x 8cm
OPTI0310HSF10	3mm x 10cm
OPTI0406HSF10	4mm x 6cm
OPTI0408HSF10	4mm x 8cm
OPTI0410HSF10	4mm x 10cm
OPTI0506HSF10	5mm x 6cm
OPTI0508HSF10	5mm x 8cm
OPTI0510HSF10	5mm x 10cm
OPTI0606HSF10	6mm x 6cm
OPTI0608HSF10	6mm x 8cm
OPTI0610HSF10	6mm x 10cm

Helical 10 Standard

Model No.	Implant size
OPTI0615HST10	6mm x 15cm
OPTI0620HST10	6mm x 20cm
OPTI0720HST10	7mm x 20cm
OPTI0730HST10	7mm x 30cm
OPTI0820HST10	8mm x 20cm
OPTI0830HST10	8mm x 30cm
OPTI0930HST10	9mm x 30cm
OPTI1030HST10	10mm x 30cm

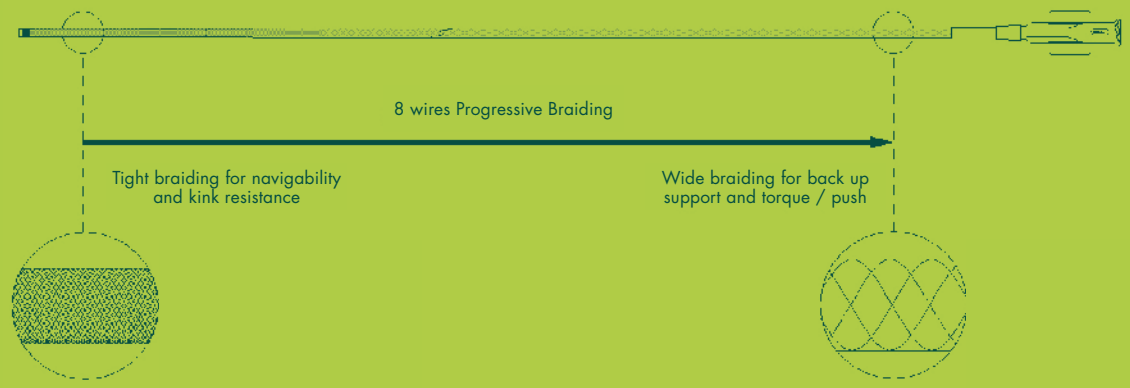
XCEL Detachment Controller

Model No.	Pack contents
XCEL	5 detachment controllers

References: 1. Detachment Temperature Characterization, Optima Coil System (TR17-014). Data On File, Balt USA. 2. Optima Coil System, 2 years Accelerated Aging and Packaging Validation (TR16-047). Data On File, Balt USA. 3. Optima Coil System, Design Verification and Packaging Validation (TR17-010). Data On File, Balt USA. 4. First-In-Man Clinical Evaluation Protocol, Optima Coil System (PR17-018). Data On File, Balt USA.

Optima Coil System is manufactured by Balt USA, 18 Technology Drive, Suite 169, Irvine, CA 92618.

The Optima Coil System is intended for the endovascular embolization of intracranial aneurysms and other neurovascular abnormalities such as arteriovenous malformations and arteriovenous fistulae. The Optima Coil System is also intended for vascular occlusion of blood vessels within the neurovascular system to permanently obstruct blood flow to an aneurysm or other vascular malformation and for arterial and venous embolizations in the peripheral vasculature. The products commercialized by BALT S.A.S and affiliates shall exclusively be used in accordance with the package inserts which have been updated and included in the boxes. Optima Coil System is Class III CE marked (DQS CE0297) according to the Medical Device Directive 93/42/EEC Annex II Section 4 since July 2017 (535003 MRA). MKTG-084 Rev. A



ordering information

Fargo Mini

Reference	Proximal O.D. - Distal O.D.	I.D.	Total length (cm)	Super-supple distal tip length (cm)	Curve
FRGMIN4,2F120 FRGMIN4,2F120MP	4,2F to 3,9F	1,02mm (.040")	120	2,5	Straight (D)
FRGMIN4,2F135 FRGMIN4,2F135MP			135	15	Multipurpose (MP)

Fargo

Reference	Proximal O.D. - Distal O.D.	I.D.	Total length (cm)	Super-supple distal tip length (cm)	Curve
FRG6F105_8 FRG6F105_8MP	6,0F to 4,9F	1,46mm (.058")	105	8	Straight (D)
FRG6F115_8 FRG6F115_8MP			115		
FRG6F125_8 FRG6F125_8MP			125		Multipurpose (MP)
FRG6F135_15 FRG6F135_15MP			135	15	

Fargo Max

Reference	Proximal O.D. - Distal O.D.	I.D.	Total length (cm)	Super-supple distal tip length (cm)	Curve
FRGMAX6F95_8 FRGMAX6F95_8MP	6,0F to 6,0F	1,78mm (.070")	95	8	Straight (D)
FRGMAX6F105_8 FRGMAX6F105_8MP			105		
FRGMAX6F115_8 FRGMAX6F115_8MP			115		Multipurpose (MP)
FRGMAX6F125_8 FRGMAX6F125_8MP			125		

The guiding catheter FARGO are intended to facilitate the introduction of micro-catheters for therapeutic and diagnostic use. Class III CE0297 in compliance with Medical Device Directive (MDD 93/42/EEC amended by 2007/47/EC).Manufactured by BALT EXTRUSION SAS. Carefully read the instructions for use before use. Not reimbursed. First CE marking:2009. The self-expandable SILK+ stents are designed for the treatment of intracranial aneurysms and should be used only by clinicians trained in the placement of intracranial stents. Class III CE0297 in compliance with Medical Device Directive (MDD 93/42/EEC amended by 2007/47/EC). Manufactured by BALT EXTRUSION SAS. Carefully read the instructions for use before use. Not reimbursed. First CE marking:2012. This document with associated pictures is non-contractual and is solely dedicated to healthcare professionals and BALT's distributors (BALT's supplier's distributors). The products commercialized by BALT shall exclusively be used in accordance with the instructions for use included in the boxes. DC043GB (08/19)

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fargoline

braided guiding catheter

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fargoline

Braided guiding catheter

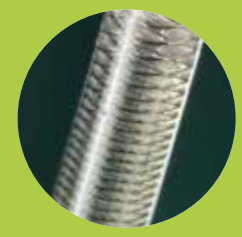
Designed to facilitate the introduction of micro-catheters for therapeutic or diagnostic use.

8 wires progressive braiding

Great stability and support

Back up support, torque & push
provided by a wide braiding in proximal part

Kink resistance & navigability
allowed by a tight braiding in distal part

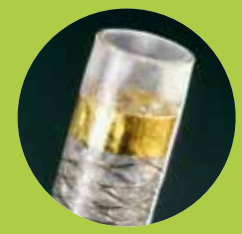


Navigability through tortuous anatomy

Smooth navigation
thanks to a hydrophilic coated distal part

Soft & supple
distal part to facilitate navigation in tortuous anatomy

Gentle access
supported by various distal curves



Large applications

various lengths available

Fargo mini

Triaxial technique
ideal combination between fargo max & fargo mini providing a high support for lesions in remote anatomies

Distal support & stability
to control microcatheter's tip and reduce the catheter's slack

Fargo

More stability & support
ideal for SILK+ cases

Fargo max

Balloon remodeling technique

Jailing technique
thanks to its large I.D. of .070"

High flow road map contrast injection

access treatment

hybrid

the ideal combination

balt

inspiring innovation

hybrid

Hydrophilic guidewire

Designed to facilitate the insertion of catheters into intracranial vascular branches for diagnostic or therapeutic use.

O.D. as small as .007"

Optimized navigation

Trackability and pushability
given by the stainless steel proximal part

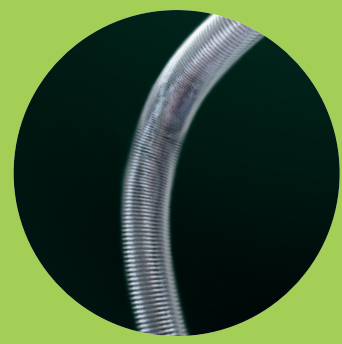
Shape retention and suppleness
thanks to the distal part in Nitinol

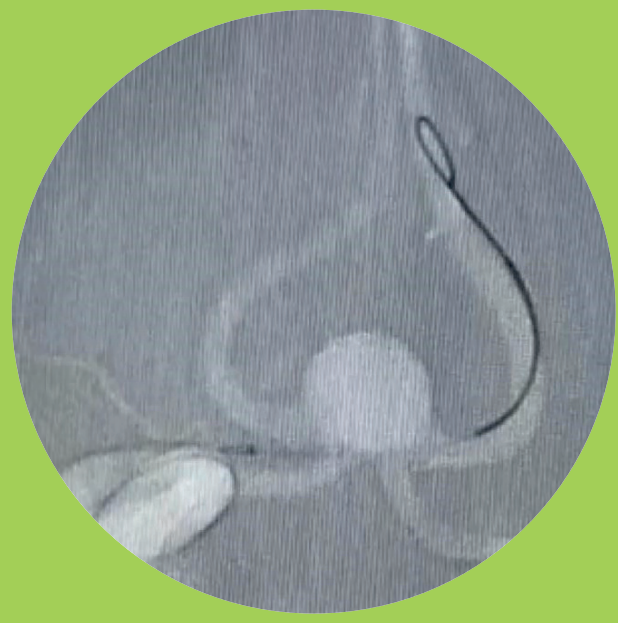
Smooth navigability
enhanced by the hydrophilic coating

Visibility
ensured by the distal radiopaque coil tip

Access in tortuous vasculature

thanks to the double angle shaped tip and broad options of O.D. as small as .007"



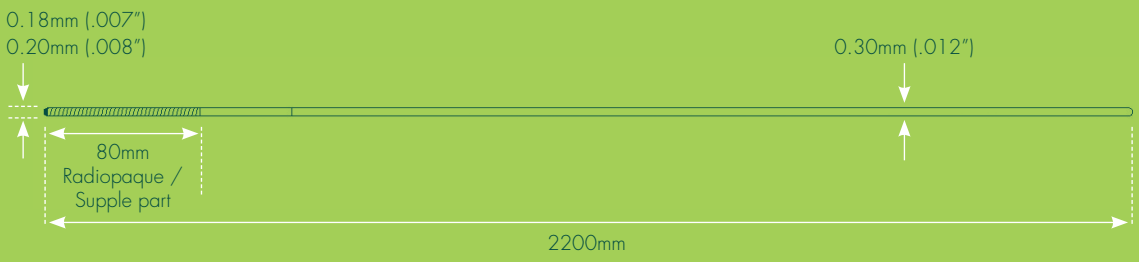


radiopaque coil tip

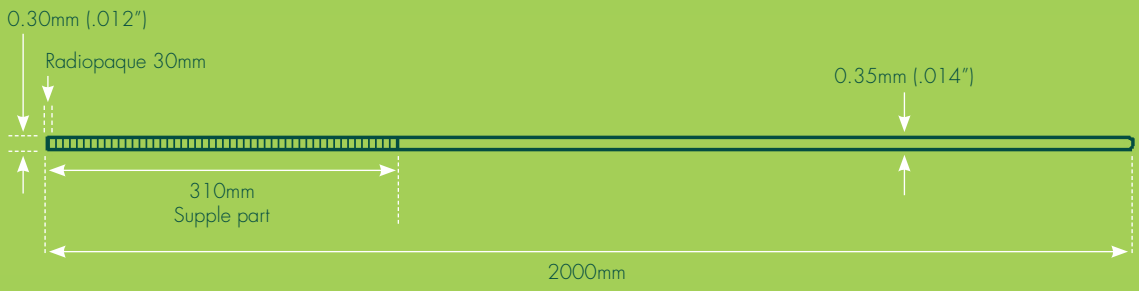
available in multiple lengths

access treatment

HYBRID007 & HYBRID008D



HYBRID1214D



ordering information

Developed portfolio with unique references

	Reference	Distal O.D.	Length (cm)	Compatible with	Curve
Hybrid	HYBRID007D	.007" (0,18mm)	220	SONIC all references MAGIC all references BALTACCI all references & others*	Straight (D)
	HYBRID007J				Double Angle (J)
	HYBRID008D	.008" (0,20mm)	220	SONIC all references except 1.2F MAGIC all references except 1.2F BALTACCI all references except 1.2F & others*	Straight (D)
	HYBRID008J				Double Angle (J)
	HYBRID007D.120	.007" (0,18mm)	120	Shorter length	Straight (D)
	HYBRID1214D	.012" (0,30mm)	200	Any microcatheter compatible with .014'' guidewire*	Straight (D)
	HYBRID1214DA				Double Angle (DA)
	HYBRID014D	.014" (0,35mm)	200	Any microcatheter compatible with .014'' guidewire* COPERNIC RC	Straight (D)
	HYBRID10D300	.010" (0,25mm)	310	Exchange microguidewires	Straight (D)
	HYBRID12D300	.012" (0,30mm)			

*Check compatibility on products labelling

HYBRID are guidewires designed to facilitate the insertion of catheters into intracranial vascular branches for diagnostic or therapeutic use. Class III CE0297 in compliance with Medical Device Directive (MDD 93/42/EEC amended by 2007/47/EC). Manufactured by BALT Extrusion SAS. Carefully read the instructions for use before use. Not reimbursed. First CE marking:2010. SONIC are braided micro-catheters intended for selective and hyper selective vascular catheterization for diagnostic or therapeutic purposes. Class III CE0297 in compliance with Medical Device Directive (MDD 93/42/EEC amended by 2007/47/EC). Manufactured by BALT EXTRUSION SAS. Carefully read the instructions for use before use. Not reimbursed. First CE marking: 2005. BALTACCI are micro-catheters intended for selective and hyperselective vascular catheterization for diagnostic and therapeutic purposes. Class III CE0297 in compliance with Medical Device Directive (MDD 93/42/EEC amended by 2007/47/EC). Manufactured by BALT EXTRUSION SAS. Carefully read the instructions for use before use. Not reimbursed. First CE marking: 1998. MAGIC are micro-catheters intended for selective and hyperselective vascular catheterization for diagnostic and therapeutic purposes. Class III CE0297 in compliance with Medical Device Directive (MDD 93/42/EEC amended by 2007/47/EC). Manufactured by BALT EXTRUSION SAS. Carefully read the instructions for use before use. Not reimbursed. First CE marking: 1998. VASCO+ are reinforced micro-catheters intended: for injection of diagnostic or therapeutic products; to position pushable coils "SPIRALES" or detachable coils especially the ones of MDS « mechanical detachment system »; for the use of the self-expanding stent LEO+ or SILK+. Class III CE0297 in compliance with Medical Device Directive (MDD 93/42/EEC amended by 2007/47/EC). Manufactured by BALT EXTRUSION SAS. Carefully read the instructions for use before use. Not reimbursed. First CE marking: 2004. COPERNIC are occlusion catheters indicated for use in the neurovasculature and peripheral system to temporarily stop or control blood flow, to treat vasospasmes and embolization of aneurysms with balloons. Class III CE0297 in compliance with Medical Device Directive (MDD 93/42/EEC amended by 2007/47/EC). Manufactured by BALT EXTRUSION SAS. Carefully read the instructions for use before use. Not reimbursed. First CE marking: 1998. DC044GB (10/19)

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ordering information

Low profile Leo+ baby offers the possibility to treat small arteries down to Ø 1,5 mm.

	Reference	Vessel Ø (mm)	Stent's length at nominal Ø (mm)	Unconstrained stent		Compatible delivery catheters
				Ø (mm)	Length (mm)	
Leo+ baby 2,0	LEO. 2,0x12	1,5 to 2,5	12	2,8	8	VASCO+10
	LEO. 2,0x18		18		12	
	LEO. 2,0x25*		25		16	
Leo+ baby 2,5	LEO. 2,5x12	2,0 to 3,1	12	3,2	8	VASCO+10
	LEO. 2,5x18		18		12	
	LEO. 2,5x25		25		16	
	LEO. 2,5x30*		29		19	
	LEO. 2,5x35*		35		23	
Leo+ baby 3,0	LEO.3.0x12	2,5 to 3,6	12	3,8	9	VASCO+10
	LEO. 3,0x18		18		13	
	LEO. 3,0x25		25		16	
	LEO. 3,0x35		35		24	
Leo+ 3,5	LEO. 3,5x12	3,10 to 4,25	12	4,4	9	VASCO+21
	LEO. 3,5x18		18		12	
	LEO. 3,5x25		25		17	
	LEO. 3,5x30		30		19	
	LEO. 3,5x35		35		24	
	LEO. 3,5x50		50		36	
Leo+ 4,5	LEO. 4,5x15	4,25 to 5,30	15	5,4	12	VASCO+25
	LEO. 4,5x20		21		15	
	LEO. 4,5x25		26		18	
	LEO. 4,5x30		30		21	
	LEO. 4,5x40		40		28	
	LEO. 4,5x50		51		37	
	LEO. 4,5x75		75		55	
Leo+ 5,5	LEO. 5,5x25	5,30 to 6,50	26	6,7	18	VASCO+28
	LEO. 5,5x30		31		21	
	LEO. 5,5x35		36		26	
	LEO. 5,5x50		52		35	
	LEO. 5,5x60		60		42	
	LEO. 5,5x75		75		51	

*Manufactured on demand.

Reference: 1. Internal data

The self-expandable LEO+/LEO+ Baby stent is designed for the treatment of intracranial aneurysms in association with embolization coils. Class III CE0297 in compliance with Medical Device Directive (MDD 93/42/EEC amended by 2007/47/EC). Manufactured by BALT Extrusion SAS. Carefully read the instructions for use before use. First CE marking:2007 (LEO+),2012 (LEO+Baby). VASCO+ is a reinforced micro-catheter intended for injection of diagnostic or therapeutic product, to position pushable coils "SPIRALES" or detachable coils especially the ones of MDS « mechanical detachment system », for the use of the self-expanding stent LEO+ or SILK+. Class III CE0297 in compliance with Medical Device Directive (MDD 93/42/EEC amended by 2007/47/EC). Manufactured by BALT Extrusion SAS. Carefully read the instructions for use before use. First CE marking:2004.

DC015GB (01/2019)

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leo+ & leo+ baby

the authentic braided stent

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leo+ & leo+ baby

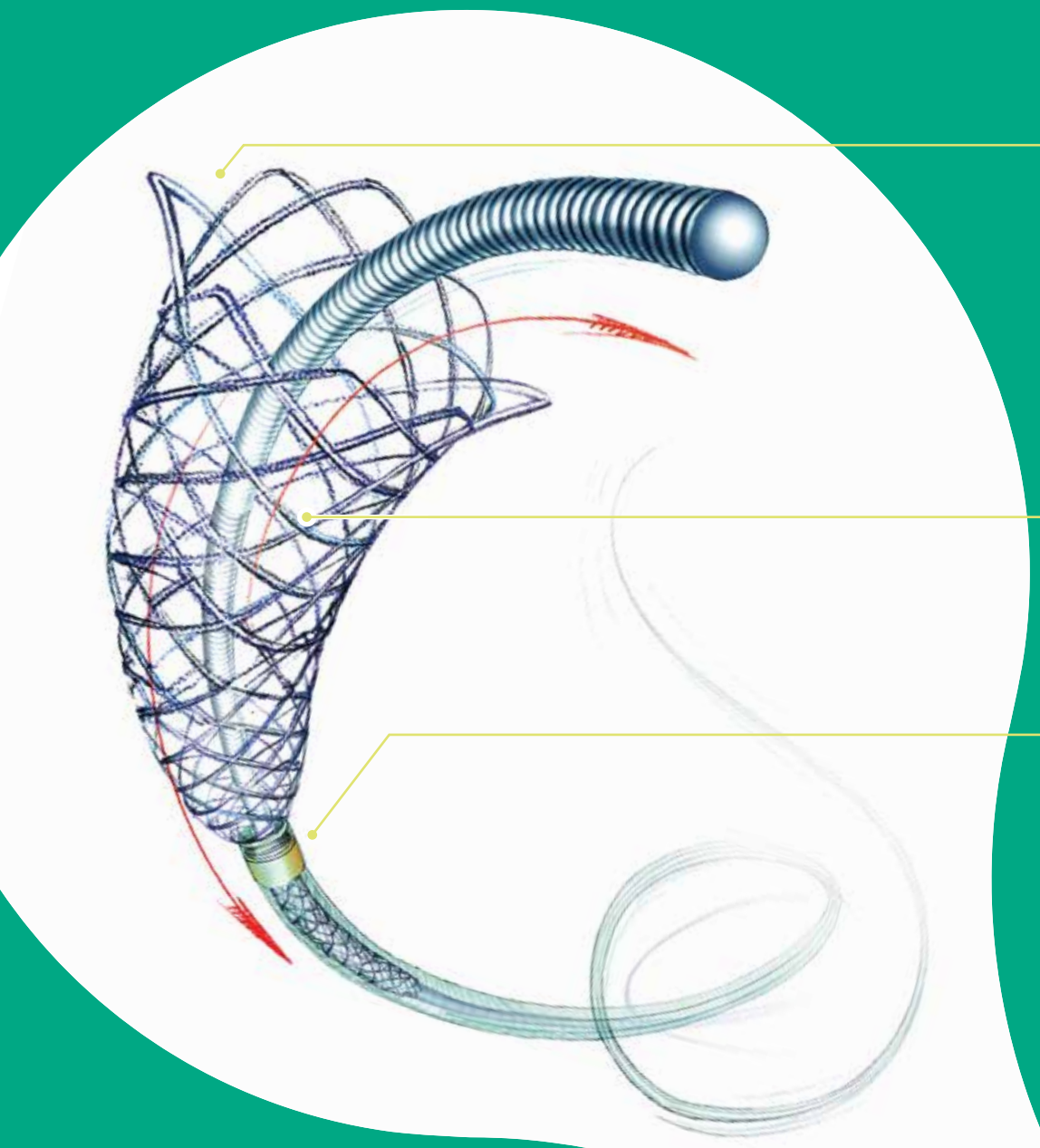
Designed for the treatment of intracranial aneurysms in association with embolization coils

More than

40 000

Leos deployed around the world since 2003

aneurysm treatment



Customization for tailor-made solutions

Flexibility
thanks to the nickel titanium materials

Conformability
given by the sliding-cell technology

Smooth wall apposition
as a result of the rounded short flared ends

Radial force for optimal coil mass support

Intraluminal support & neck coverage
thanks to the 16 braided wires

Accurate positioning

Visibility
two helical markers on the entire body of the stent

Resheathability
up to 90% of deployed length[1]

Flow diversion effect

Bouillot et al., Computational fluid dynamics with stents: quantitative comparison with particle image velocimetry for three commercial off the shelf intracranial stents J NeuroIntervent Surg 2016; 8:309–315"

16
braided wires

resheathable up to **90%** of deployed length[1]

ordering information

A broad portfolio of low profile flow diverters.

	Reference	Nominal stent		Unconstrained stent		Delivery catheter I.D.
		Ø (mm)	Length (mm)	Ø (mm)	Length (mm)	
Silk Vista Baby	SILK_V_2,25x10	2,25	10,5	2,5	8	.017"
	SILK_V_2,25x15	2,25	16	2,5	12	.017"
	SILK_V_2,25x20	2,25	22	2,5	15,5	.017"
	SILK_V_2,75x10	2,75	12,5	3,0	9	.017"
	SILK_V_2,75x15	2,75	17	3,0	12	.017"
	SILK_V_2,75x20	2,75	22	3,0	15	.017"
	SILK_V_2,75x25	2,75	26,5	3,0	18,5	.017"
	SILK_V_3,25x10	3,25	11	3,5	8,5	.017"
	SILK_V_3,25x15	3,25	16,5	3,5	12,5	.017"
	SILK_V_3,25x20	3,25	21	3,5	15	.017"
	SILK_V_3,25x25	3,25	26	3,5	18	.017"

The self-expandable Silk Vista Baby stents are designed for the treatment of intracranial aneurysms. Class III CE0297 in compliance with Medical Device Directive (MDD 93/42/EEC amended by 2007/47/EC). Manufactured by BALT Extrusion S.A.S. Carefully read the instructions for use before use. Not reimbursed. First CE marking:2018.

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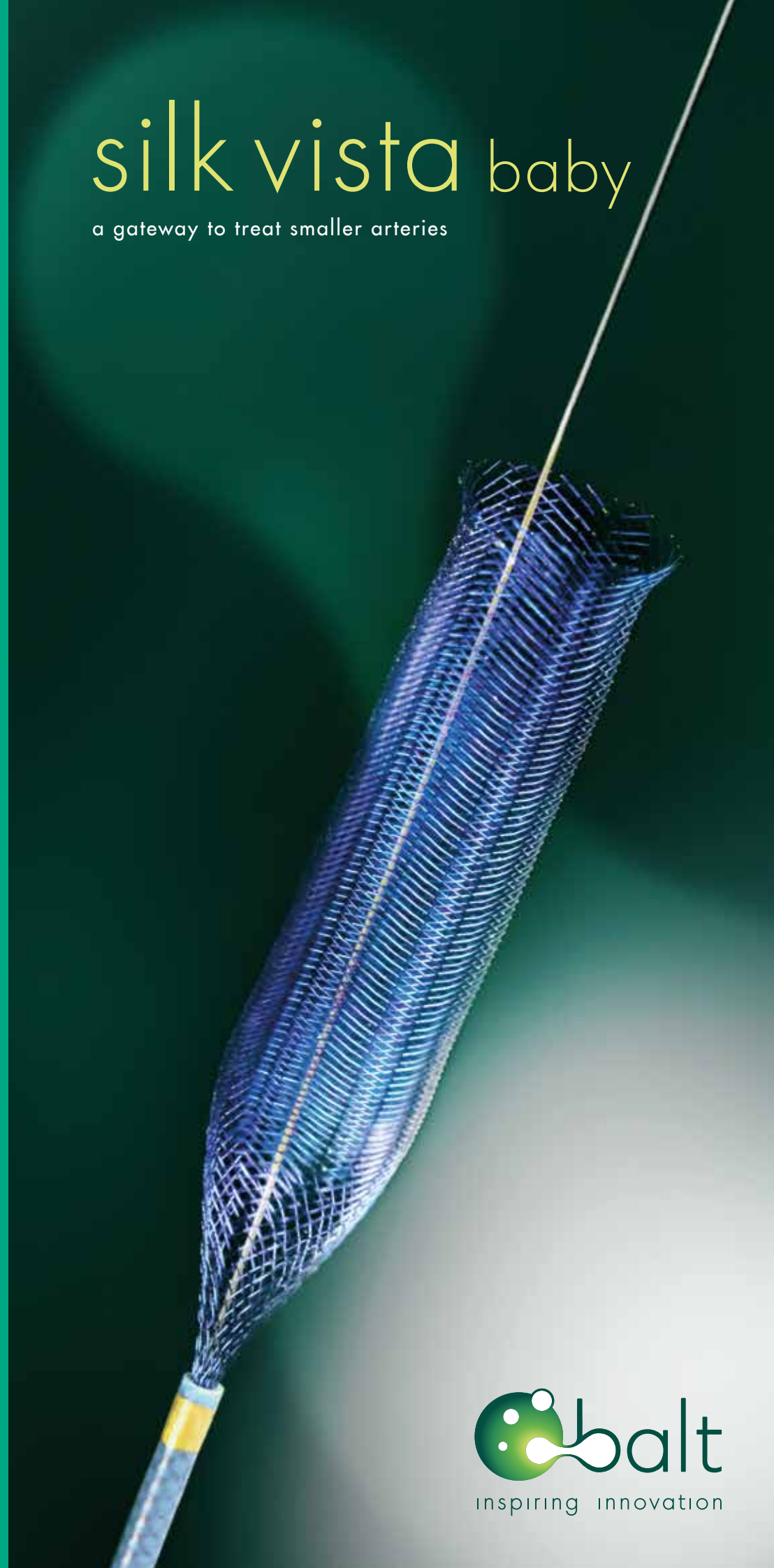
silk vista baby

a gateway to treat smaller arteries



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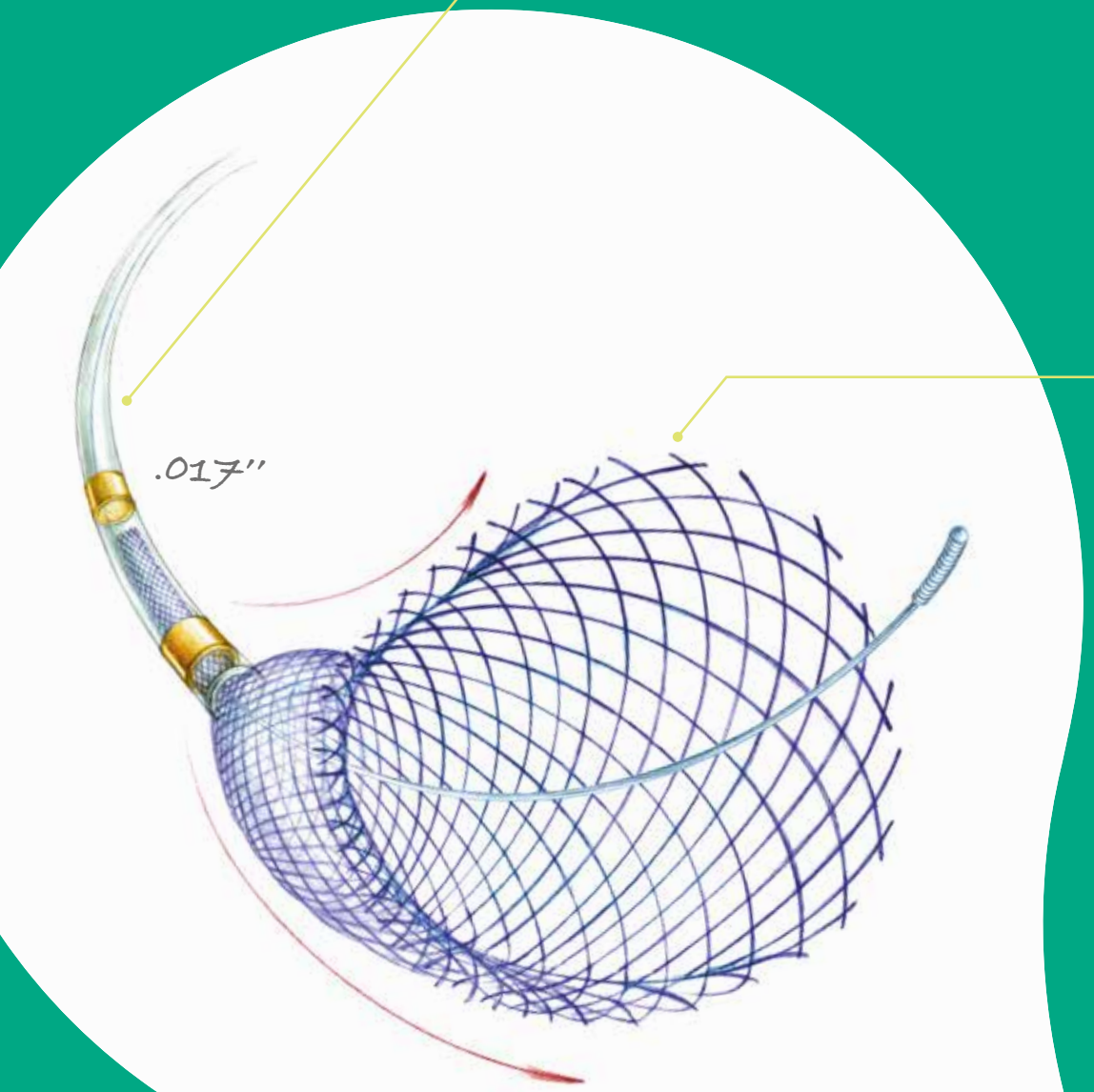
silkvista baby

.017″ low profile flow diverter

aneurysm treatment

Advanced flow diversion, enhanced navigability

Low profile flow diverter designed for the treatment of intracranial aneurysms



Widen opportunities in distal vasculature

Navigability
only flow diverter deliverable through a .017″ microcatheter

Trackability
improved pusher profile to achieve the best compromise between flexibility and pushability

Breakthrough design to improve stent behaviour & aneurysm exclusion

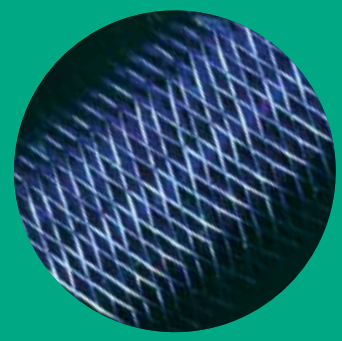
Smoother stent opening
given by the homogeneous mesh surface

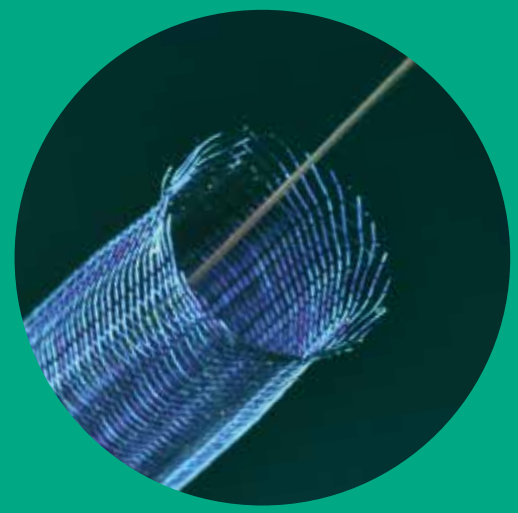
Gentle wall apposition
as a result of the rounded short flared ends

Flow diversion escalation
thanks to an increased mesh density of the 48 braided wires

Precise & controlled deployment

Radiopacity
enhanced visibility of the entire device due to DFT* wires





*Drawn filled tube

48 braided wires

ordering information

Low profile Silk+ offers the possibility to treat small arteries down to Ø 1.5mm.

Silk+

Reference	Vessel Ø (mm)	Silk+ length at nominal ø (mm)	Unconstrained stent		Delivery catheter
			Ø (mm)	Length (mm)	
SILK 2,0x15	1,50 to 2,25	15	2,5	10	VASCO+21
SILK 2,0x20		20		11	
SILK 2,5x15	2,00 to 2,75	15	3,0	10	VASCO+21
SILK 2,5x20		20		13	
SILK 2,5x25		25		16	
SILK 3,0x15	2,50 to 3,25	15	3,5	10	VASCO+21
SILK 3,0x20		20		13	
SILK 3,0x25		25		16	
SILK 3,0x30		30		19	
SILK 3,5x15	3,00 to 3,75	15	4,0	11	VASCO+21
SILK 3,5x20		20		12	
SILK 3,5x25		25		14	
SILK 3,5x30		30		15	
SILK 3,5x35		35		17	
SILK 4,0x15	3,50 to 4,25	15	4,5	10	VASCO+21
SILK 4,0x20		20		12	
SILK 4,0x25		25		14	
SILK 4,0x30		30		16	
SILK 4,0x35		35		18	
SILK 4,0x40		40		20	
SILK 4,5x15	4,00 to 4,75	15	5,0	8	VASCO+21
SILK 4,5x20		20		10	
SILK 4,5x25		25		12	
SILK 4,5x30		30		15	
SILK 4,5x35		35		17	
SILK 4,5x40		40		19	
SILK 5,0x25	4,50 to 5,25	25	5,5	11	VASCO+25
SILK 5,0x30		30		13	
SILK 5,0x40		40		17	
SILK 5,5x25	5,00 to 5,75	25	6,0	11	VASCO+25
SILK 5,5x30		30		13	
SILK 5,5x40		40		17	

Tapered Silk+

Reference	Vessel Ø (mm)		Silk+ length at nominal ø (mm)		Unconstrained stent		Delivery catheter
	prox	dist	prox	dist	Ø (mm)	Length (mm)	
SILKP 4,0D3,0x30	3,50 to 4,25	2,50 to 3,25	12	10	4,5/3,5	15	VASCO+21
SILKP 4,5D3,0x25	4,00 to 4,75	2,50 to 3,25	12	10	5,0/3,5	20	
SILKP 4,5D3,5x30	4,00 to 4,75	3,00 to 3,75	11	15	5,0/4,0	16	

The self-expandable SILK+ stents are designed for the treatment of intracranial aneurysms and should be used only by clinicians trained in the placement of intracranial stents. Class III CE0297 in compliance with Medical Device Directive (MDD 93/42/EEC amended by 2007/47/EC). Manufactured by BALT Extrusion SAS. Carefully read the instructions for use before use. First CE marking:2012. VASCO+ is a reinforced micro-catheter intended for injection of diagnostic or therapeutic product, to position pushable coils "SPIRALES" or detachable coils especially the ones of MDS « mechanical detachment system », for the use of the self-expanding stent LEO+ or SILK+. Class III CE0297 in compliance with Medical Device Directive (MDD 93/42/EEC amended by 2007/47/EC). Manufactured by BALT Extrusion SAS. Carefully read the instructions for use before use. First CE marking:2004.

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silk+

the original flow diverter

balt

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silk+

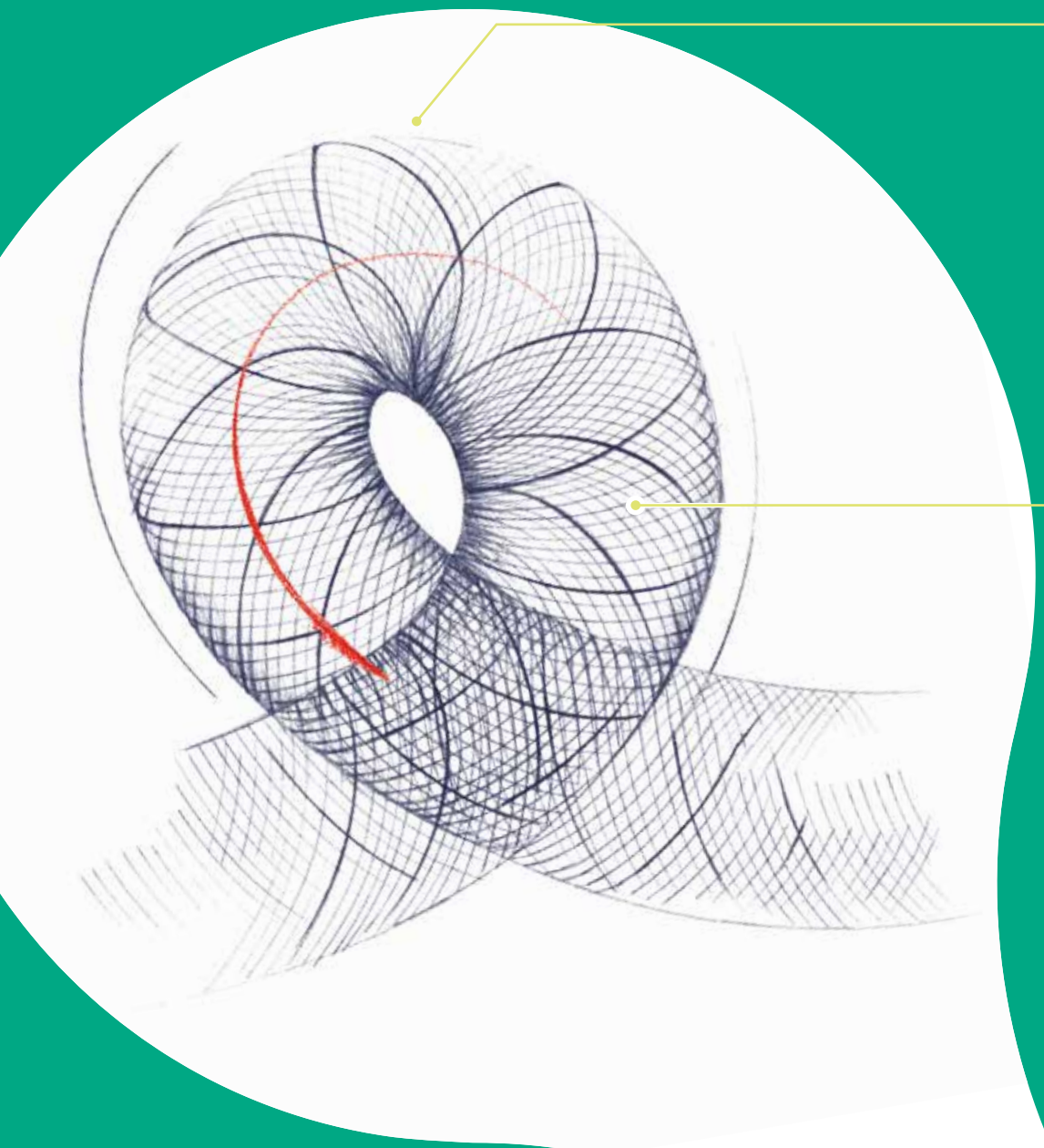
Combining reliability & effectiveness[1]

Designed for the treatment of intracranial aneurysms

82,2%

occlusion rate at 12 months[1]

aneurysm treatment



Adequate behaviour even in distal & tortuous anatomy

Flexibility
thanks to the nickel titanium materials

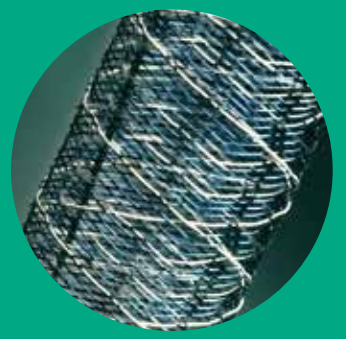
Conformability
given by the sliding-cell technology

Smooth wall apposition
as a result of the rounded short flared ends

Navigability
with VASCO+21 low profile delivery microcatheter

Aneurysm exclusion & vessel wall reconstruction

Flow diversion & neck coverage
provided by 48 dense braided wires



Precise & controlled deployment

Visibility
four helicoidal markers on the entire body of the stent & border effect

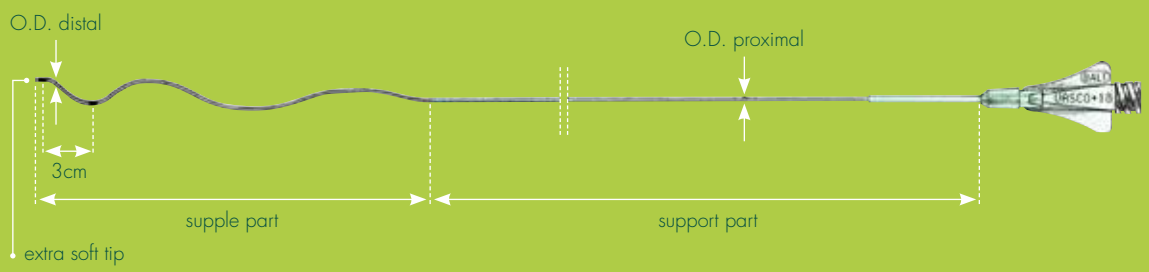
Resheathability
up to 90% of deployed length[2]

resheathable up to **90%** of deployed length[2]

References:

1. DIVERSION clinical study report: Evaluation of the Use of Intravascular Flow Diverters in the Treatment of Intracranial Aneurysms
2. Internal data

VASCO+10 & VASCO+18



ordering information

Developed portfolio with large range

	Reference	Proximal O.D. - Distal O.D.	I.D.	Total length (cm)	Recommended max guidewire	No. of ORX markers	Curve
Vasco+	VASCO+10 (D-MP)	2,2F to 1,9F	.017"	155	.014"	2	Straight (D) / Multipurpose (MP)
	VASCO+10MH (D-MP)					3	
	VASCO+18 (D-MP)	2,7F to 2,1F	.021"	155	.018"	2	
	VASCO+21 (D-MP)	2,7F to 2,4F	.024"	155	.021"	1	
	VASCO+25 (D-MP)	3,3F to 3,0F	.029"	155	.025"	1	
	VASCO+28 (D-MP)	3,4F to 3,3F	.032"	155	.028"	1	
	VASCO+35 (D-MP)	4,0F to 3,8F	.040"	135	.035"	1	
	VASCO+35ASPI (D-MP)	5,1F to 5,1F	.040"	140	.035"	1	

VASCO+ Delivery compatibilities

	LEO+	SILK+	CATCH+	CATCHVIEW	COILS/PARTICLES	Other device
VASCO+10	LEO+ baby 2,0 to 3,0		CATCH+ MINI	CATCHVIEW MINI	Optima coils, Barricade coils & other coils*	compatible with I.D. .017''*
VASCO+10MH						
VASCO+18			CATCH+	CATCHVIEW & CATCHVIEW MAXI	other coils*	compatible with I.D. .021''*
VASCO+21	LEO+ 3,5	SILK+ 2,0 to 4,5	CATCH+ MAXI		Particle injection*	compatible with I.D. .024''*
VASCO+25	LEO+ 4,5	SILK+ 5,0 & 5,5			Particle injection*	compatible with I.D. .029''*
VASCO+28	LEO+ 5,5				Particle injection*	compatible with I.D. .032''*
VASCO+35					Particle injection*	compatible with I.D. .040''*

*check compatibility on products labelling

Vasco+ is a reinforced micro-catheter intended: for injection of diagnostic or therapeutic products; to position pushable coils "SPIRALES" or detachable coils especially the ones of MDS « mechanical detachment system »; for the use of the self-expanding stent LEO+ or SILK+. Class III CE0297 in compliance with Medical Device Directive (MDD 93/42/EEC amended by 2007/47/EC). Manufactured by BALT EXTRUSION SAS. Carefully read the instructions for use before use. Not reimbursed. First CE marking: 2004. The self-expandable SILK+ stents and SILK Vista Baby are designed for the treatment of intracranial aneurysms and should be used only by clinicians trained in the placement of intracranial stents. Class III CE0297 in compliance with Medical Device Directive (MDD 93/42/EEC amended by 2007/47/EC).Manufactured by BALT EXTRUSION SAS. Carefully read the instructions for use before use. Not reimbursed. First CE marking:2012. The self-expandable LEO+/LEO+ Baby stent is designed for the treatment of intracranial aneurysms in association with embolization coils. Class III CE0297 in compliance with Medical Device Directive (MDD 93/42/EEC amended by 2007/47/EC). Manufactured by BALT EXTRUSION SAS. Carefully read the instructions for use before use. French reimbursement codes 3101316 and 3171593.First CE marking:2007 (LEO+),2012 (LEO+Baby) CATCH+ and CATCHView are designed for use in the flow restoration of patients with ischemic stroke due to large intracranial vessel occlusion. They are indicated to restore blood flow in the neurovasculature of patients who are ineligible for intravenous tissue plasminogen activator (IV t-PA), who fail IV t-PA therapy or as a supplement treatment of initiated IV t-PA therapy. The CATCH+ and CATCHView thromboembolectomy devices should only be used by physicians trained in interventional neuroradiology and treatment of ischemic stroke. Class III CE0297 in compliance with Medical Device Directive (MDD 93/42/EEC amended by 2007/47/EC).Manufactured by BALT EXTRUSION SAS. Carefully read the instructions for use before use. Not reimbursed. First CE marking:2012 (CATCH+), 2018 (CATCHView). The Optima Coil System is intended for use in the peripheral and neuro-vasculature to endovascularly obstruct or occlude blood flow in vascular abnormalities of the neurovascular and peripheral vessels. Class III CE0297 in compliance with Medical Device Directive (MDD 93/42/EEC amended by 2007/47/EC).Manufactured by BALT USA LLC. Carefully read the instructions for use before use. French reimbursement code 3162217.First CE marking:2017. The Barricade Coil System (BCS) is intended for the endovascular embolization of intracranial aneurysms and other neurovascular abnormalities such as arteriovenous malformations and arteriovenous fistulae. The BCS is also intended for vascular occlusion of blood vessels within the neurovascular system to permanently obstruct blood flow to an aneurysm or other vascular malformation and for arterial and venous embolizations in the peripheral vasculature. The device should only be used by physicians who have undergone pre-clinical training in all aspects of BCS procedures as prescribed by Balt. Class III CE0297 in compliance with Medical Device Directive (MDD 93/42/EEC amended by 2007/47/EC). Manufactured by BALT USA, LLC.
Carefully read the instructions for use before use. First CE-Mark: 2012.

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inspiring innovation

vasco+

selective braided microcatheter

inspiring innovation

vasco+

Selective braided microcatheter

Designed to provide access and support in the treatment of intracranial aneurysms & mechanical thrombectomy.

progressive braiding

High support & progressive suppleness

Progressive braiding along the microcatheter:

proximal wide braiding for **more stability**

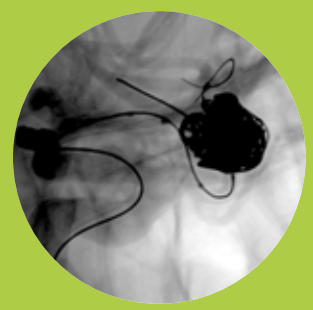
distal tight braiding for **flexibility & kink resistance**

Ease of navigability and controlled deliverability

Smooth navigation & deliverability
enhanced by a hydrophilic coated distal part & the PTFE* inner coating

Gentle access
allowed by supple-tip

Visibility
full radiopaque microcatheter (Vasco+ 21, 25, 28 & 35)

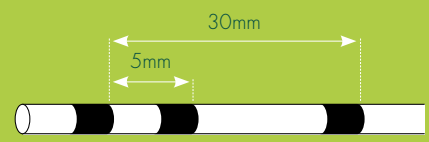


A 3rd marker to assist coil delivery

Vasco MH (Michael Holt)

3 radiopaque markers to support:

- coil positionning in aneurysm sac
- coil selection thanks to a visual feedback (5mm second marker)



*Polytétrafluoroéthylène

access treatment