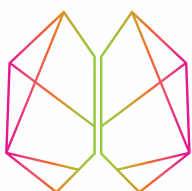




CEREPAK™
detachable coils

**Simplicity,
delivered.**



CERENOVUS

PART OF THE *Johnson & Johnson* FAMILY OF COMPANIES

Simplicity, delivered.

CEREPAK™ detachable coils

CEREPAK features a state-of-the-art delivery system designed with ease of use in mind and a family of coils shaped specifically to achieve concentric filling.¹

FEATURES:

- Next generation microcatheter stability
- Comprehensive portfolio of coils
- Effortless tracking through tortuous anatomy²
- Rapid & Reliable Mechanical Detachment²

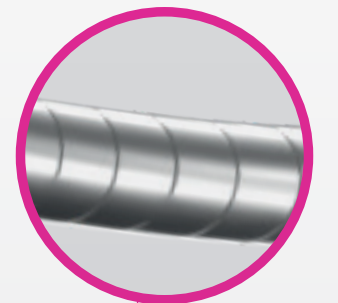


Detachment Tube
Laser-cut flexibility for minimal microcatheter tip deflection

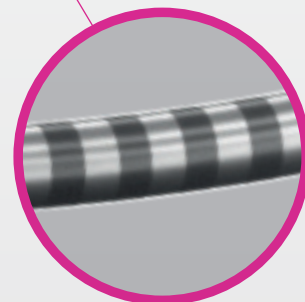


XTRASOFT™ Support Segment
Consistently soft for enhanced microcatheter stability

Soft Transition Segment
Extended soft segment gradually transitions to the pusher tube for enhanced durability



Manual Detachment Zone
Featuring a secondary detachment method



Fluoro Saver Markers
Supporting efforts to reduce exposure to radiation



Lubricious Sleeve
Effortless tracking through tortuous anatomy²

¹ Studied devices have a different name (TruFill Orbit DCS), but have the same or equivalent microcoil secondary shape as CEREPAK Coils. Refer to: Slob MJ, van Rooij WJ, Sluzewski M (2005) Influence of coil thickness on packing, re-opening and retreatment of intracranial aneurysms: a comparative study between two types of coils. Neurol Res 27 Suppl 1 S116-119.

² Based on benchtop testing in engineering report 103866533.



Comprehensive Portfolio of Coils

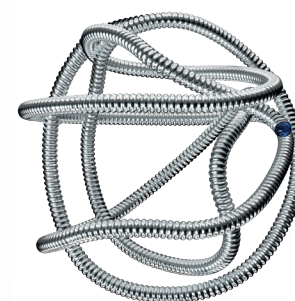
The **CEREPAK™ detachable coils** are designed to embolize aneurysms from **START to FINISH** and includes coils shaped specifically to achieve concentric aneurysm filling and coils of large volume to achieve high packing density.¹

¹ Studied devices have a different name (TruFill Orbit DCS), but have the same or equivalent microcoil secondary shape as CEREPAK Coils. Refer to: Slob MJ, van Rooij WJ, Sluzewski M (2005) Influence of coil thickness on packing, re-opening and retreatment of intracranial aneurysms: a comparative study between two types of coils. Neurol Res 27 Suppl 1 S116-119.
² Using the coil volume formula $\pi(\text{coil primary wind diameter} \div 2)^2 \times \text{Coil length}$
³ Based on benchtop testing from engineering report 103455025 Rev 1

freeform

CEREPAK freeform

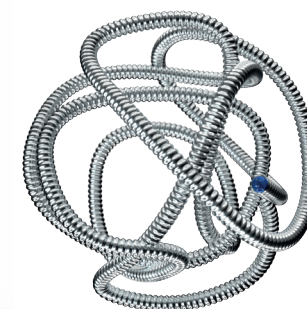
CEREPAK freeform coils embolize aneurysms of various morphology due to its differentiated shape that seeks open spaces from the periphery to the core allowing for concentric filling.



freeform
microcoil

Primary Wind Diameter:
0.012"
Secondary Wind Diameters:
2.5mm — 12mm
Lengths:
5cm — 30cm
Softness:
3

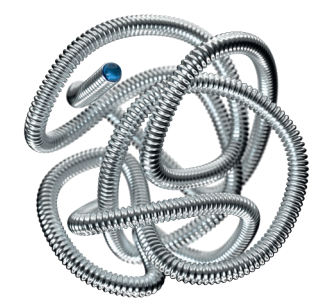
Delivers **44%** more metal than an equivalent length Target 360 0.010" diameter coil.²



freeform xtrasoft
microcoil

Primary Wind Diameter:
0.012"
Secondary Wind Diameters:
2mm — 6mm
Lengths:
1.5cm — 20cm
Softness:
4

Delivers **44%** more metal than an equivalent length Target 360 0.010" diameter coil.²



freeform mini
microcoil

Primary Wind Diameter:
0.009"
Secondary Wind Diameters:
1mm — 3mm
Lengths:
1cm — 8cm
Softness:
5

157% softer than Target 360 Nano.³

uniform

CEREPAK uniform

CEREPAK uniform coils are designed to provide a predictable, stable frame that creates an open inner core for concentric filling.¹



uniform XL microcoil

Primary Wind Diameter:

0.015"

Secondary Wind Diameters:

5mm — 20mm

Lengths:

10cm — 50cm

Softness:

1

Delivers **15%** more metal than an equivalent length Target XL 0.014" coil.²

uniform microcoil

Primary Wind Diameter:

0.010"

Secondary Wind Diameters:

2mm — 8mm

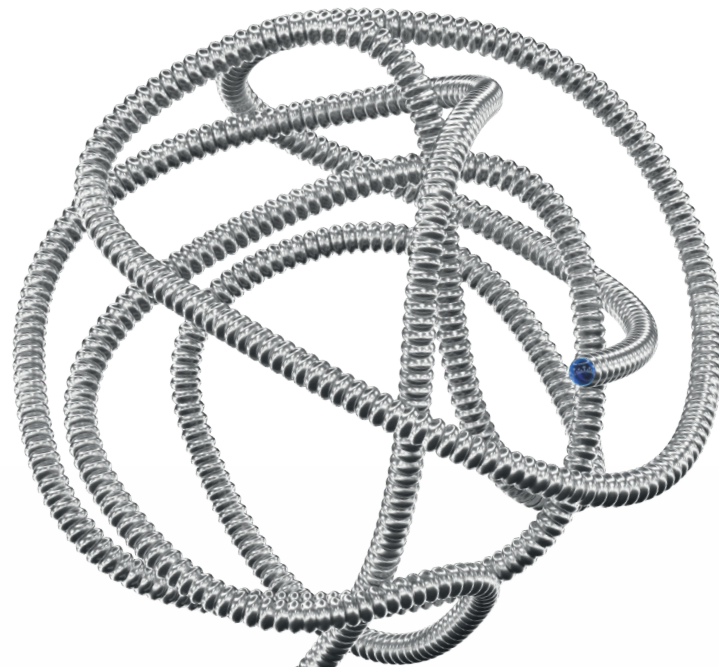
Lengths:

2.5cm — 30cm

Softness:

2 - 3

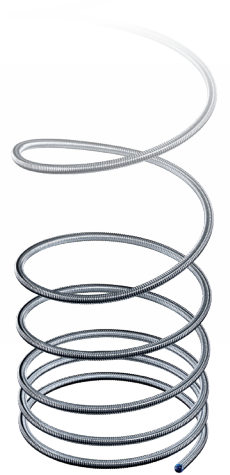
Features two primary wire diameters to provide increased softness across the smaller range of sizes.



heliform

CEREPAK heliform

CEREPAK heliform XL coils are engineered to enhance coil uniformity within the aneurysm.³



heliform XL microcoil

Primary Wind Diameter:

0.015"

Secondary Wind Diameters:

3mm — 20mm

Lengths:

12cm — 60cm

Softness:

2 - 3

Features rounded, triangular-shaped primary wind with engineered deflection points.

Delivers **15%** more metal than an equivalent length 0.014" primary wind diameter coil.²

heliform xtrasoft XL microcoil

Primary Wind Diameter:

0.012"

Secondary Wind Diameters:

2mm

Lengths:

4cm — 8cm

Softness:

4

Traditional, smaller primary wind providing additional softness in our smallest helical coils.

Delivers **44%** more metal than an equivalent length Target 360 0.010" diameter coil.²

¹ Studied device devices (Microsphere) have a different name, but have the same or equivalent microcoil secondary shape as CEREPAK Coils. Refer to Lee DH et al. Embolization of Cerebral Aneurysms with Spherically Shaped Detachable Microcoils (MicroSphere Microcoil System): A Single Centre Experience. Interv Neuroradiol. 2009 Mar 31;15(1):29-36.
² Using the coil volume formula $[\pi(\text{coil primary wind diameter} \div 2)^2 \times \text{Coil length}]$
³ Studied devices have a different name, but have the same or equivalent microcoil secondary shape as CEREPAK heliform coils on the CEREPAK Delivery System. Based on in-vitro testing.

CEREPAK™

detachable coils

Simplicity, delivered.



The CEREPAK™ Family of Coils is ranked according to softness scale based on key parameters that influence spring constant. Coils are categorized on a scale of 1 to 5. Coils providing structure and stability (rated 1) and ultrasoft coils for dense packing (rated 5) create a full spectrum of softness.

freeform microcoil



CATALOG NO.	SECONDARY DIAMETER mm	LENGTH cm
SCRI22505	2.5	5
SCRI20306	3	6
SCRI20308	3	8
SCRI23575	3.5	7.5
SCRI23509	3.5	9
SCRI20407	4	7
SCRI20410	4	10
SCRI20412	4	12
SCRI20510	5	10
SCRI20515	5	15
SCRI20610	6	10
SCRI20615	6	15
SCRI20620	6	20
SCRI20715	7	15
SCRI20721	7	21
SCRI20815	8	15
SCRI20824	8	24
SCRI20925	9	25
SCRI21030	10	30
SCRI21230	12	30

freeform xtrasoft microcoil



CATALOG NO.	SECONDARY DIAMETER mm	LENGTH cm
XCRI20201	2	1.5
XCRI20202	2	2
XCRI22525	2.5	2.5
XCRI22535	2.5	3.5
XCRI22505	2.5	5
XCRI20304	3	4
XCRI20306	3	6
XCRI20308	3	8
XCRI23505	3.5	5
XCRI23575	3.5	7.5
XCRI23509	3.5	9
XCRI20406	4	6
XCRI20408	4	8
XCRI20410	4	10
XCRI20510	5	10
XCRI20515	5	15
XCRI20610	6	10
XCRI20620	6	20

freeform mini microcoil



CATALOG NO.	SECONDARY DIAMETER mm	LENGTH cm
MCR091010	1	1
MCR091015	1	1.5
MCR091020	1	2
MCR091025	1	2.5
MCR091030	1	3
MCR091040	1	4
MCR091520	1.5	2
MCR091525	1.5	2.5
MCR091530	1.5	3
MCR091540	1.5	4
MCR092020	2	2
MCR092030	2	3
MCR092040	2	4
MCR092060	2	6
MCR092535	2.5	3.5
MCR092545	2.5	4.5
MCR092555	2.5	5.5
MCR093040	3	4
MCR093060	3	6
MCR093080	3	8

CEREPAK detacher

Rapid and reliable mechanical detachment¹

CATALOG NO.	DESCRIPTION
MDH1	Mechanical Detachment Handle

¹ Based on benchtop testing.



uniform XL microcoil



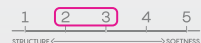
CATALOG NO.	SECONDARY DIAMETER mm	LENGTH cm
FCX180510	5	10
FCX180612	6	12.2
FCX180714	7	14.3
FCX180813	8	13.6
FCX180830	8	30
FCX180915	9	15.3
FCX180933	9	33
FCX181017	10	17.1
FCX181034	10	34
FCX181118	11	18.9
FCX181137	11	37
FCX181240	12	40
FCX181343	13	43
FCX181447	14	47
FCX181647	16	47
FCX181846	18	46
FCX182050	20	50

uniform microcoil



CATALOG NO.	SECONDARY DIAMETER mm	LENGTH cm
FCX100202	2	2.5
FCX100253	2.5	3.3
FCX100305	3	5.4
FCX100356	3.5	6.6
FCX100407	4	7.5
FCX100412	4	11.5
FCX100517	5	17
FCX100509	5	9.7
FCX100611	6	11.9
FCX100626	6	26
FCX100713	7	13.9
FCX100730	7	30
FCX100816	8	16.1
FCX100829	8	29

heliform XL microcoil



CATALOG NO.	SECONDARY DIAMETER mm	LENGTH cm
SHD180312	3	12
SHD180415	4	15
SHD180520	5	20
SHD180625	6	25
SHD180733	7	33
SHD180835	8	35
SHD180935	9	35
SHD181040	10	40
SHD181242	12	42
SHD181445	14	45
SHD181650	16	50
SHD181855	18	55
SHD182060	20	60

heliform xtrasoft XL microcoil



CATALOG NO.	SECONDARY DIAMETER mm	LENGTH cm
XHE120204	2	4
XHE120206	2	6
XHE120208	2	8

**To order contact customer service:
Customer Service (800-255-2500 Option 1)**



CERENOVUS
PART OF THE **JOHNSON & JOHNSON** FAMILY OF COMPANIES

Legal Manufacturer:
Medos International SARL
Chemin-Blanc 38
CH-2400 Le Locle
Switzerland

Limited Warranty and disclaimer: CERENOVUS products are sold with a limited warranty to the original purchaser against defects in workmanship and materials. Any other express or implied warranties, including warranties of merchantability or fitness, are hereby disclaimed. Please also refer to the package insert(s) or other labeling associated with the devices identified in this document for additional information.

Caution: Federal law restricts these devices to sale by or on the order of a physician.

Note: For recognized manufacturer, refer to the product label.

Please refer to the instructions for use for a complete list of indications, contraindications, warnings and precautions.

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