ED COIL

Electro Detach Coil
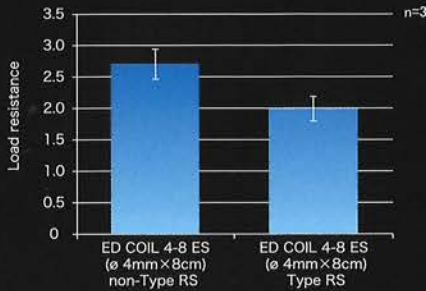
KANEKA
MEDICAL
PRODUCTS

# ED COIL 10 ExtraSoft *αSpiral*
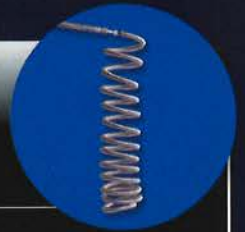
More flexible and foldable than ever before.

Feature
- The advanced flexibility of the coil realizes the Loop-in-Loop coil-folding feature which enables coil-packing without remaining open space.
- Wavy stretch resistant wire enables smooth coil-folding until the end.

Load resistance chart (n=3, y-axis: 0 to 3.5):
- ED COIL 4-8 ES (ø 4mm×8cm) non-Type RS: ~2.7
- ED COIL 4-8 ES (ø 4mm×8cm) Type RS: ~2.0

Flexibility increased by 20% comparing to the non-Type RS ExtraSoft. The improved foldability and low shape memory enables the coil to access and fill the open space.
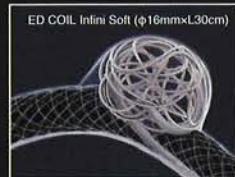
2-4 ES (ø 2mm×4cm) Type RS tightly packed in a 2mm aneurysmal model. The highly flexible coil forms a small loop inside an outer loop (Loop-in-loop coil).
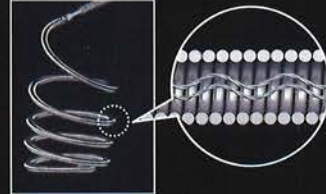
The stretch resistant structure created with 10μm platinum wave-processed stranded wire enables the coil to be delivered into small open space and be folded until the end.

ED COIL ∞ 10 [Infini]

A low shape memory coil provides flexible filling regardless of the size and shape of an aneurysm.

Feature
- Conforming outward to reduce compartment space
- Compactly folding and entering into even a open space
- Conforms in accordance with the shape of an aneurysm even with irregular shape
- Provides a tight embolization with a small number of coils for a vessel occlusion

Waving Inner Wire Technology   Proximal Wider Pitch Technology

Waving Inner Wire Technology enables coil-folding in smaller size despite its large primary coil-diameter.

ED COIL Infini Soft (φ16mm×L30cm)

Infini Soft's large coil-diameter reduces the risk of coil-protrusion through a stent strut into the parent artery, and it enables its use for both framing and filling.

ED COIL Infini Soft (φ16mm×L30cm)

Infini Soft conforms outward to the aneurysm wall, thereby contributing to uniform packing even in an aneurysm with irregular shape.
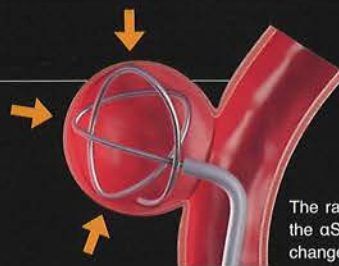

ED COIL 14 Standard *αSpiral*

αSpiral coil spreading randomly

Feature
- The coil with 0.014 inch primary coil-diameter may provide sufficient coil embolization with a small number of coils
- The unique αSpiral coil structure provides random coil movement by deflection according to the aneurysm wall
- Strong framing by the unique αSpiral structure
- Suitable for both framing and filling
  - ≤ 6 mm (small pitch): suitable for filling
  - ≥ 7 mm (large pitch): suitable for both framing and filling

The unique αSpiral shape, designed to form a strong frame with random loops by having 1:1 ratio between coil diameter and pitch (≥ 7 mm coil)

The random coil spreading with the αSpiral structure enables to change direction of the coil expanding in accordance with the shape of the wall of the aneurysm.
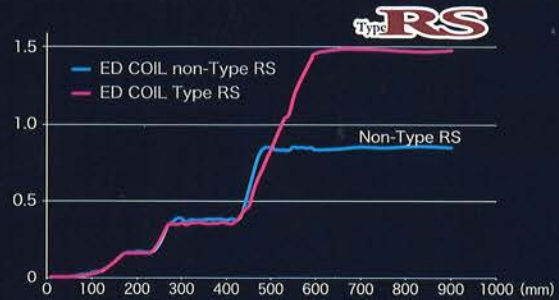
αSpiral (φ10mm×L30cm) in a model of a 10 mm aneurysm

The flexible pusher wire prevents the kick-back behavior of microcatheter and provides stable coil deployment.

- The tip (through 30mm from the distal end) is very flexible, therefore reducing the risk of kick-back of the microcatheter from the aneurysm.
- The coil is designed to minimize joints and attachments length, allowing the coil to be delivered even through the tortuous blood vessels.
- Stiffness of the pusher near the proximal part has doubled, allowing smoother delivery and achieving better response to the coil.

Control ▶   ◀ ED COIL
◀ Coil A
◀ Coil B
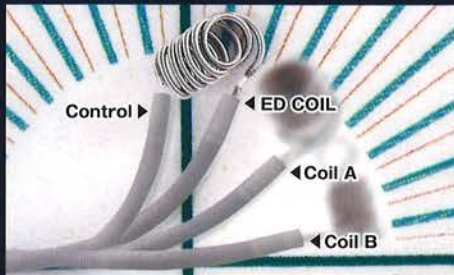
Easier to maintain catheter angle compared to other competitive products, allowing stable coil deployment even when the catheter tip is unstable in the aneurysm

Type **RS**

— ED COIL non-Type RS
— ED COIL Type RS

Non-Type RS

1.5
1.0
0.5
0
0 100 200 300 400 500 600 700 800 900 1000 (mm)

Stiffness of the pusher near the proximal part is designed to optimize pushability and coil response.

ELECTRO DETACH GENERATOR v4
Detach Point Detection System

The Electro Detach Generator v4 detects and indicates by sound and light signals the best Detach Point even when the position of the second marker of a microcatheter is not detectable under a X-ray fluoroscopy, Easy to use, disposable, sterilized, detachment of the coil can be done in single step operation by pressing 2 buttons simultaneously.

Red lamp
The red lamp is lit while the detaching part of the ED COIL stays within the microcatheter.

Green lamp
The green lamp is lit when the detaching part of the ED COIL has come out of the microcatheter.

Orange lamp
The orange lamp is lit when a current leak or other trouble occurs.

ELECTRO DETACH GENERATOR

DETACH

MANUAL DETACH : Keep 2 sec

RESET

POWER ON

POWER ON ribbon
Pull off the POWER ON ribbon and the Electro Detach Generator v4 is powered on.

DETACH button
Detaching output is generated when the left and right buttons are pressed simultaneously while the green lamp is lit.

Manual Detachment
When it is necessary to detach the ED COIL while the red lamp is lit, press and hold the left and right buttons simultaneously for longer than 2 seconds, and a detaching output is generated.

RESET button
If the green lamp is lit while the detaching part is still within the microcatheter, press the reset button to restart detecting the detach point.

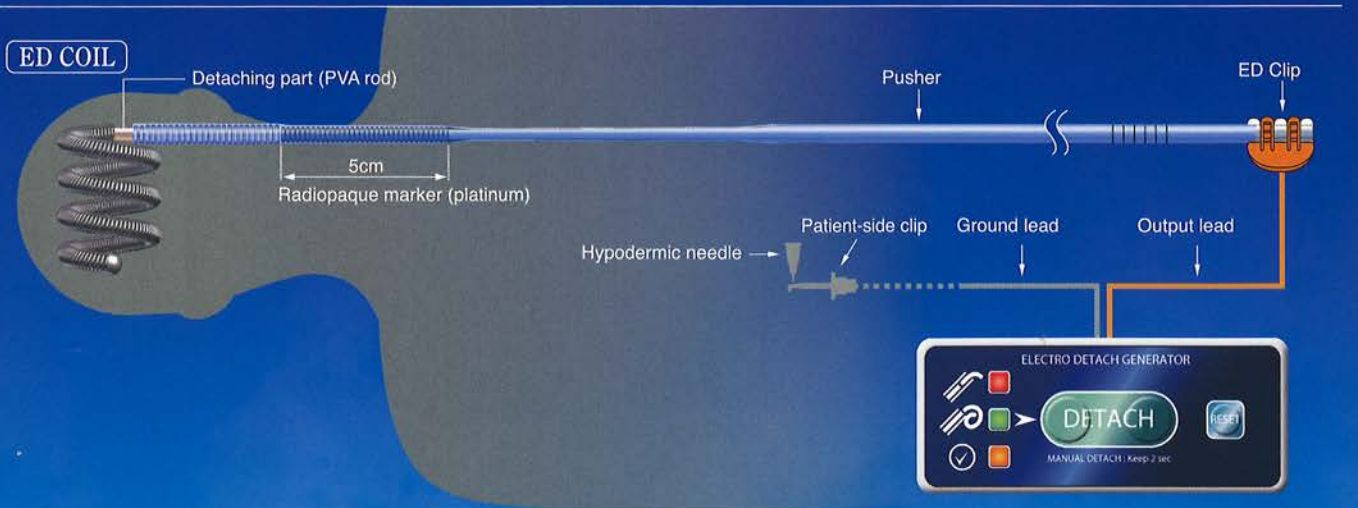The red lamp is lit when the ED clip is connected to the pusher.

The green lamp is lit when the detaching part of the ED COIL has come out of the microcatheter. Subsequently, detachment of the coil can be done by pressing 2 buttons simultaneously.

Patient-side clip to be used with Hypodermic Needle made of stainless-steel without resin-coating (20G to 22G)

SET UP

ED COIL — Detaching part (PVA rod) · Radiopaque marker (platinum) 5cm · Pusher · ED Clip · Hypodermic needle · Patient-side clip · Ground lead · Output lead · ELECTRO DETACH GENERATOR · DETACH · RESET · MANUAL DETACH : Keep 2 sec

Product Specifications

ED COIL Type RS
Pusher Length 187cm

ED COIL 10 ExtraSoft *Spiral*

Catalogue Number	Primary Coil Diameter (inch)	Secondary Coil Diameter (mm)	Primary Coil Length (cm)
353-01H1RS	0.010	1.5	1
353-01H2RS		1.5	2
353-01H3RS		1.5	3
353-0202RS		2	2
353-0203RS		2	3
353-0204RS		2	4
353-0206RS		2	6
353-0208RS		2	8
353-02H3RS		2.5	3
353-02H4RS		2.5	4
353-02H6RS		2.5	6
353-0303RS		3	3
353-0304RS		3	4
353-0306RS		3	6
353-03H6RS		3.5	6
353-03H8RS		3.5	8
353-0406RS		4	6
353-0408RS		4	8

EDG

Catalogue Number
347-404

ED COIL ∞10 ExtraSoft [Infini]

Catalogue Number	Primary Coil Diameter (inch)	Secondary Coil Diameter (mm)	Primary Coil Length (cm)
353-1610RS	0.010	16	10
353-1615RS		16	15

ED COIL ∞10 Soft [Infini]

Catalogue Number	Primary Coil Diameter (inch)	Secondary Coil Diameter (mm)	Primary Coil Length (cm)
352-1620RS	0.010	16	20
352-1630RS		16	30

ED COIL 14 Standard *Spiral*

Catalogue Number	Primary Coil Diameter (inch)	Secondary Coil Diameter (mm)	Primary Coil Length (cm)
350-0209RS		2	9
350-0312RS		3	12
350-0412RS		4	12
350-0515RS		5	15
350-0620RS		6	20
350-0720RS	0.014	7	20
350-0730RS		7	30
350-0820RS		8	20
350-0830RS		8	30
350-0930RS		9	30
350-1030RS		10	30
350-1230RS		12	30

Do not re-use   STERILE EO Sterilized using ethylene oxide   Consult instructions for use

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KANEKA MEDICAL PRODUCTS

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