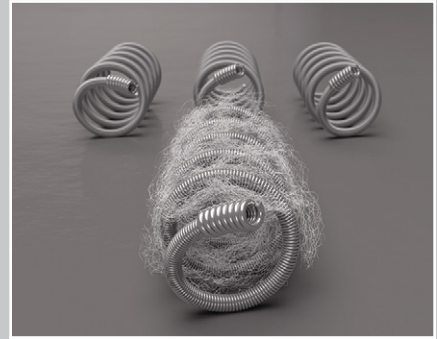
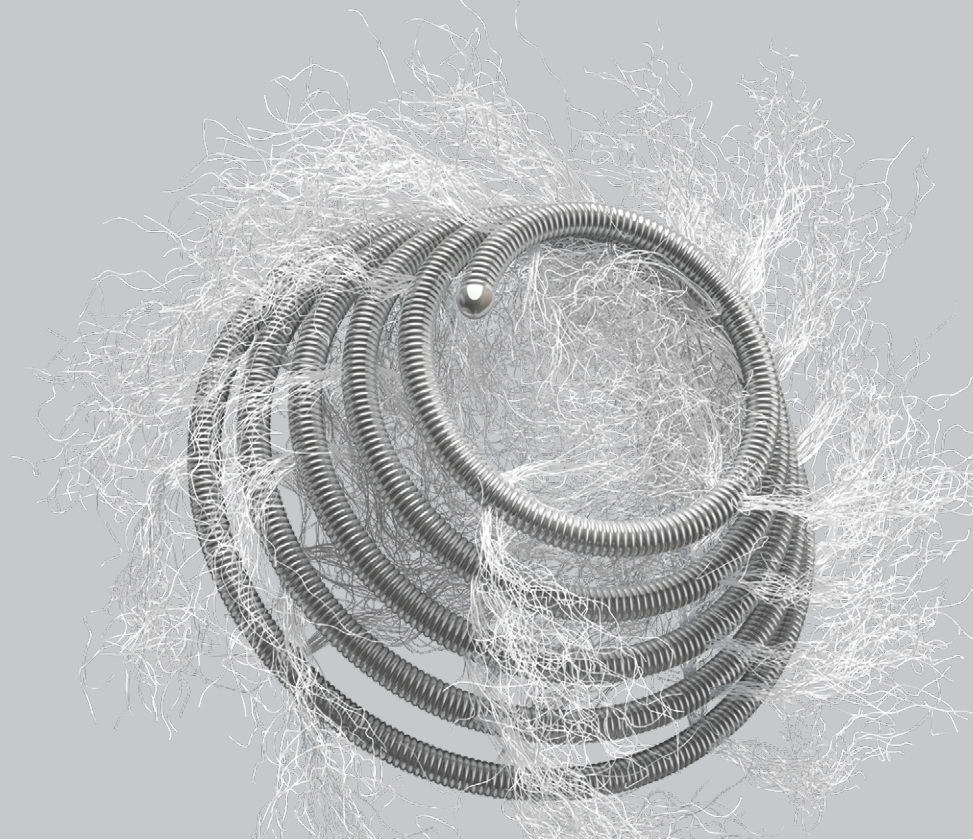


# Occlude a wide range of vessel sizes with a multi-diameter coil design



## In-vivo data on fibered platinum embolization coils

Published animal (swine) study data show that "the incorporation of polymer fibers in metallic embolization coils has been shown to significantly reduce the number of coils required to occlude peripheral arteries."<sup>1</sup> To read the study online, visit the *Journal of Vascular and Interventional Radiology* at [jvir.org](http://jvir.org).

## Tornado® EMBOLIZATION COIL

### Pack with highly thrombogenic coils

Pack with highly fibered, soft platinum coils to create a tight occluding mass.

### Help contain costs

Keep costs in check by using fewer, fibered pushable coils<sup>1</sup>.

### Use alone or in combination

Use in conjunction with Retracta® Detachable Embolization Coil or with other Cook coils.

#### Tornado® Embolization Coils and Microcoils

**CAUTION:** U.S. federal law restricts this device to sale by or on the order of a physician (or a properly licensed practitioner).

**INTENDED USE:** Tornado Embolization Coils and Microcoils are intended for arterial and venous embolization in the peripheral vasculature.

**CONTRAINDICATIONS:** None known.

**WARNINGS:** Positioning of Embolization Coils and Microcoils should be done with particular care. Coils should not be left too close to the inlets of arteries and should be intermeshed with previously placed coils if possible. A minimal but sufficient arterial blood flow should remain to hold the coils against the previously placed coils until a solid clot ensures permanent fixation. The purpose of these suggestions is to minimize the possibility of loose coils becoming dislodged and obstructing a normal and essential arterial

channel. • Tornado Embolization Coils and Microcoils are not recommended for use with polyurethane catheters or catheters with sideports. If a catheter with sideports is used, the embolus may lodge in the sideport or pass inadvertently through it. Use of a polyurethane catheter may also result in lodging of the embolus within the catheter. • If difficulties occur when deploying the embolization coil, withdraw the wire guide, coil and angiographic catheter simultaneously as a unit.

**PRECAUTIONS:** The product is intended for use by physicians trained and experienced in diagnostic and interventional techniques. Standard techniques for placement of vascular access sheaths, angiographic catheters and wire guides should be employed. • Perform an angiogram prior to embolization to determine correct catheter position. • Prior to introduction of the embolization coil, flush the angiographic catheter with saline. • **If using a .018 inch Tornado Embolization Microcoil, ensure that the delivery catheter has an internal diameter (ID) of .018 to .025 inch.**

See instructions for use for full product information.

AB\_T\_TEM2\_REVO



1. Nylon Fibered versus Non-Fibered Embolization Coils: Comparison in a Swine Model, Scott O. Trerotola, Gary A. Pressler, Christopher Premanandan (*In Press, Journal of Vascular and Interventional Radiology*, April 2019)

# Tornado®

EMBOLIZATION COIL

Tornado Embolization Coils and Microcoils are made of platinum with spaced synthetic fibers, and are supplied preloaded in a loading cartridge. They are designed to be delivered to the target vessel using a soft, straight wire guide through a standard angiographic catheter.

Tornado Embolization Coils and Microcoils are intended for arterial and venous embolization in the peripheral vasculature.

- Coil shape has a range of diameters.
- Designed to form a tight occluding mass.
- Made of soft platinum for tight packing.
- Fully fibered for thrombogenicity
- Easily visible under fluoroscopy.
- MR conditional up to 3 T.
- Can be used alone or in combination with other pushable and detachable embolization coils.

Learn more  
about the impact of  
fiber from peer reviewed,  
statistically significant,  
in-vivo swine data<sup>1</sup> at  
[jvir.org](http://jvir.org)

Order Number	Reference Part Number	Recommended Catheter ID and End Hole Diameter inch	Extended Embolus Length cm	Coiled Embolus Diameter mm
<b>.018 inch microcoils</b>				
G47416	MWCE-18S-3/2-TORNADO-01	.018	2	3 – 2
G47417	MWCE-18S-4/2-TORNADO-01	.018	4	4 – 2
G47418	MWCE-18S-5/2-TORNADO-01	.018	5	5 – 2
G47419	MWCE-18S-6/2-TORNADO-01	.018	7	6 – 2
G47420	MWCE-18S-7/3-TORNADO-01	.018	9	7 – 3
G47421	MWCE-18S-8/4-TORNADO-01	.018	9.5	8 – 4
G47415	MWCE-18S-10/4-TORNADO-01	.018	14.2	10 – 4
<b>.035 inch coils</b>				
G47519	MWCE-35-4/3-TORNADO-01	.035	2.6	4 – 3
G47520	MWCE-35-5/3-TORNADO-01	.035	4.1	5 – 3
G47521	MWCE-35-6/3-TORNADO-01	.035	5.8	6 – 3
G47522	MWCE-35-7/3-TORNADO-01	.035	8	7 – 3
G47523	MWCE-35-8/4-TORNADO-01	.035	8	8 – 4
G47518	MWCE-35-10/5-TORNADO-01	.035	12.5	10 – 5

Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

## Customer Service

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AI, ESC, IR, OHNS, PI, RH, SUR-8.5X11