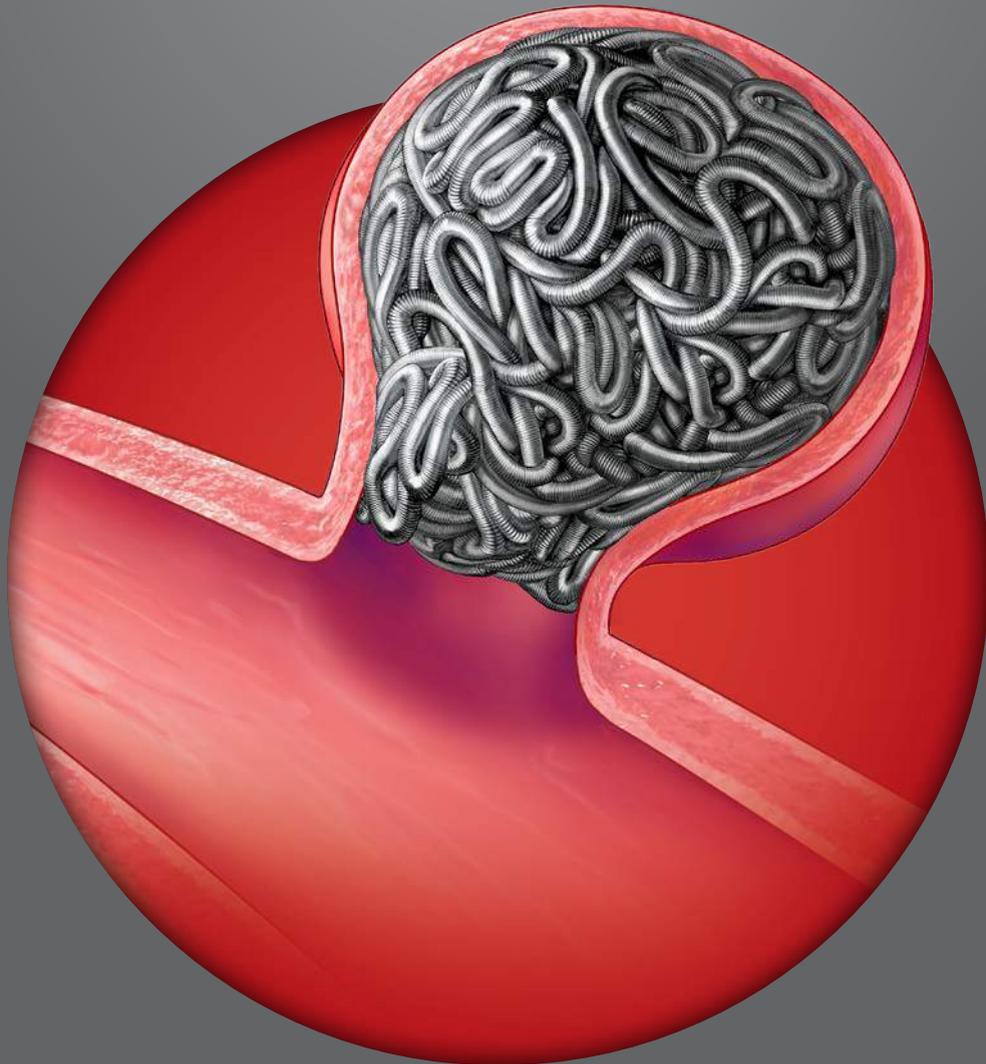


# Ruby Coil

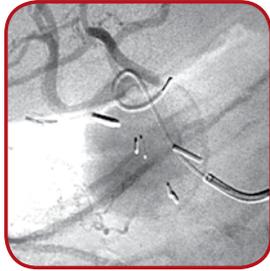
Large Volume Detachable Coils



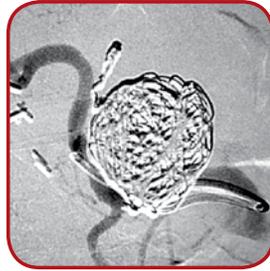
Penumbra 

# Ruby Case Examples

## 38 mm Hepatic Artery Aneurysm



Pre-Treatment



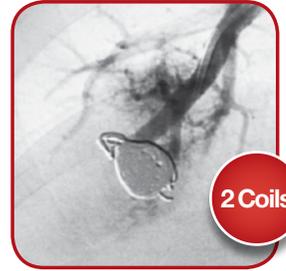
Post-Treatment

**Dr. James Benenati**  
Miami Cardiac and Vascular Institute, FL, USA

## Pulmonary AVM



Pre-Treatment



2 Coils

Post-Treatment

**Dr. J Moskovitz**  
Florida Hospital, Orlando, FL, USA

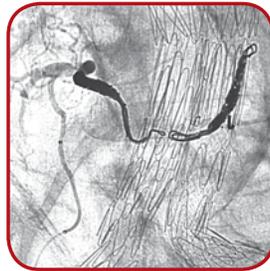
## Y90 Embolisation



Post-Treatment

**Dr. Dmitri Samoilov**  
Medical Center Radiologists, VA, USA

## Type 2 Endoleak



Post-Treatment

**Dr. Corey Teigen**  
Sanford Health, ND, USA

## Ovarian Vein Embolisation



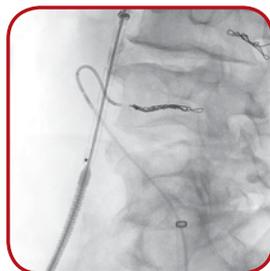
Post-Treatment

**Dr. Olga Brook**  
Beth Israel Deaconess Medical Center, MA, USA

## Type 2 Endoleak



Pre-Treatment



Intra-Operative



Post-Treatment

**Dr. Frank Arko**  
Sanger Heart and Vascular Institute, Charlotte, NC, USA

# Volume Advantage



**30 cm Ruby Coil**

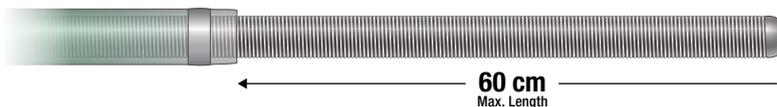


**30 cm Conventional Detachable Coil**

Reduces the number of coils and procedure time by maximising length and coil thickness.<sup>1</sup>

## Only Coil to Provide 60 cm Length and .020" Thickness

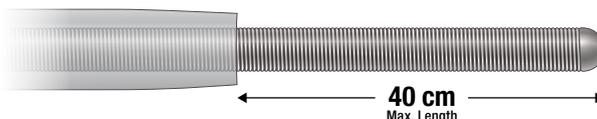
**Ruby Coil**  
LANTERN Microcatheter



Coil Thickness

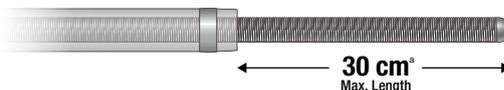
**.020"**

**Conventional 35 Coil**  
035 Diagnostic Catheter



**.021"**

**Conventional 18 Coil**  
18 Microcatheter



**.012"**

a. based on 8 mm coil

1. Schönholz C, Benenati J, Arko F, Teigen C, Moskovitz JD. Ruby Detachable Coils—Case reports illustrating the utility of this novel technology. Endovascular Today. 2013;12(4):78-82.

# Large Volume Detachable Coils



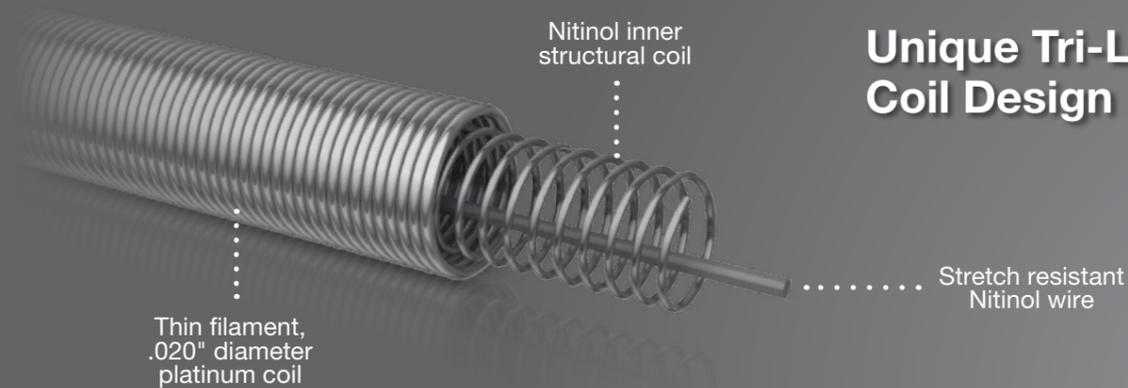
**Standard**  
32 mm x 60 cm



**Soft**  
2 mm x 1 cm

## SOFTNESS

Choice of Standard and Soft coils provide superior packing density while avoiding catheter kick-out.



### Unique Tri-Layer Coil Design

Thin filament, .020" diameter platinum coil

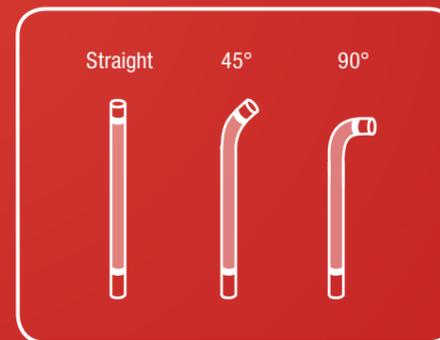
Nitinol inner structural coil

Stretch resistant Nitinol wire

## EXTREME DELIVERABILITY

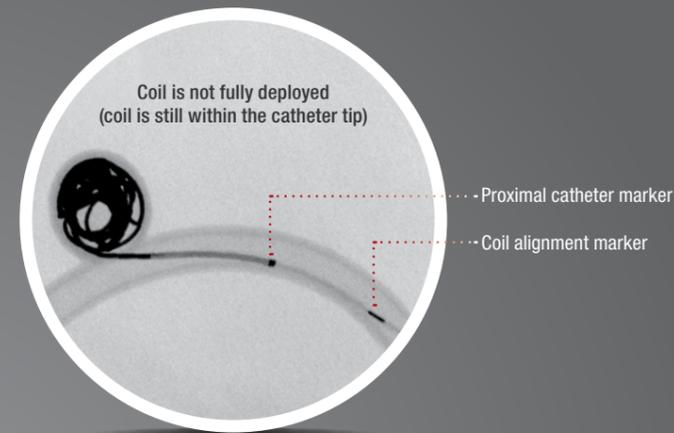
Only coil designed to be delivered through a .025-.027" high flow microcatheter.

### Tip Shapes



## MECHANICAL DETACHMENT

Ruby Coil deployed from LANTERN High-Flow Microcatheter



Ruby Coil is fully retractable and resheathable, allowing user to achieve ideal placement in the target vessel.



Coil alignment marker passes proximal catheter marker to form "T," indicating that Ruby Coil can now be detached.

## LANTERN

Microcatheter

**Low Profile**  
2.6 F Distal Shaft  
Enables Access to Small Tortuous Vasculature

**High-Flow**  
Large Lumen for Optimal Contrast Injections

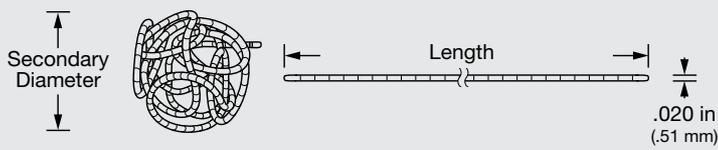
**Increased Visibility**  
Provides Confident Placement

**Dual Markers**  
Facilitates Precise Coil Deployment

**8 Transition Zones**  
for Advanced Trackability

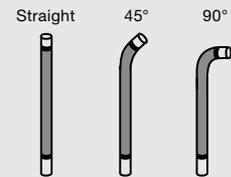
# Ordering Information

## Ruby Coil Large Volume Detachable Coil



Catalog Number	Secondary Diameter (mm)	Length (cm)	Catalog Number	Secondary Diameter (mm)	Length (cm)
<b>Frame – COMPLEX STANDARD</b>			<b>Fill – COMPLEX SOFT</b>		
RBY2C0305	3	5	RBY4C0201	2	1
RBY2C0312	3	12	RBY4C0202	2	2
RBY2C0320	3	20	RBY4C0204	2	4
RBY2C0410	4	10	RBY4C0305	3	5
RBY2C0415	4	15	RBY4C0315	3	15
RBY2C0420	4	20	RBY4C0406	4	6
RBY2C0430	4	30	RBY4C0415	4	15
RBY2C0435	4	35	RBY4C0620	6	20
RBY2C0512	5	12	RBY4C0630	6	30
RBY2C0520	5	20	RBY4C0835	8	35
RBY2C0530	5	30	RBY4C0860	8	60
RBY2C0620	6	20	RBY4C1650	16	50
RBY2C0630	6	30	RBY4C2060	20	60
RBY2C0725	7	25			
RBY2C0825	8	25			
RBY2C0840	8	40			
RBY2C0930	9	30			
RBY2C1035	10	35			
RBY2C1240	12	40			
RBY2C1260	12	60			
RBY2C1460	14	60			
RBY2C1660	16	60			
RBY2C1857	18	57			
RBY2C2060	20	60			
RBY2C2457	24	57			
RBY2C2860	28	60			
RBY2C3260	32	60			

## LANTERN Delivery Microcatheter



Catalog Number	Tip Shape	Length (cm)	ID	OD Distal / Proximal
PXSLIMLAN115STR	Straight Tip	115	.025"	2.6F / 2.95F
PXSLIMLAN115T45	45° Tip			
PXSLIMLAN115T90	90° Tip			
PXSLIMLAN135STR	Straight Tip	135	.025"	2.6F / 2.95F
PXSLIMLAN135T45	45° Tip			
PXSLIMLAN135T90	90° Tip	150	.025"	2.6F / 2.95F
PXSLIMLAN150STR	Straight Tip			
PXSLIMLAN150T45	45° Tip			
PXSLIMLAN150T90	90° Tip			

## Ruby Coil Detachment Handle



Catalog Number	Description
RH1	Detachment Handle

Penumbra 

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Product availability varies by country. Prior to use, please refer to the Instructions for Use for the Ruby Coil System and Penumbra Delivery Microcatheters for complete product indications, contraindications, warnings, precautions, potential adverse events and detailed instructions for use. Please contact your local Penumbra representative for more information.

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