












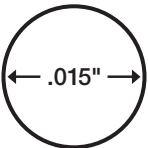





# Ruby™ Coil LP & Packing Coil LP




## Peripheral Embolization Coil Volume Comparison Chart

Coil	Thickness	1 mm Coil	2 mm Coil	3 mm Coil	4 mm Coil
Penumbra <b>LP System Coils</b>		 1 mm × 5 cm	 2 mm × 10 cm	 3 mm × 15 cm	 4 mm × 30 cm
Medtronic® <b>Concerto™ Helical / 3D</b>		None	 2 mm × 8 cm	 3 mm × 8 cm	 4 mm × 10 cm
Boston Scientific® <b>Interlock™ 18</b>		None	 2 mm × 6 cm	 3 mm × 12 cm	 4 mm × 15 cm
Terumo® <b>AZUR® CX</b>		None	 2 mm × 4 cm	 3 mm × 8 cm	 4 mm × 13 cm

**Average LP Volume Advantage – 2.2×**

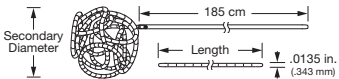
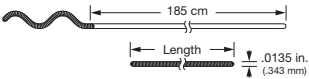



# Ruby™ Coil LP | Volume Advantage

<b>Concerto™ Helical</b> 3 mm × 8 cm		<div style="border: 1px solid black; background-color: yellow; padding: 5px; text-align: center;"> <b>2.6x</b>          More volume<sup>a</sup> </div> <div style="border: 1px solid black; background-color: red; color: white; padding: 5px; text-align: center; margin-top: 10px;"> <b>7.5x</b>          More volume<sup>a</sup> </div>
<b>Ruby Coil LP</b> 3 mm × 15 cm		
<b>Ruby Standard</b> 3 mm × 20 cm		

a. Data on file at Penumbra, Inc. Coil volumes were calculated using cylindrical volume,  $\pi r^2 h$ , where radius is equal to half of the coil thickness and height is equal to coil length. Photographs taken by and on file at Penumbra, Inc. Tests performed and data on file at Penumbra, Inc. Bench test results may not be indicative of clinical performance.

## LP System Ordering Information

Ruby Coil LP				Packing Coil LP				LP System Detachment Handle	
									
Catalog Number	Secondary Diameter (mm)	Length (cm)	Microcatheter Compatibility (in.)	Catalog Number	Product	Length (cm)	Microcatheter Compatibility (in.)	Catalog Number	Product
RBYP0102	1	2	.0165 – .021	RBYPCLP03	Packing Coil LP 3 cm	3	.0165 – .021	RLPH1	LP System Detachment Handle
RBYP0105		5	.0165 – .021	RBYPCLP06	Packing Coil LP 6 cm	6	.0165 – .021		
RBYP0202	2	2	.0165 – .021	RBYPCLP10	Packing Coil LP 10 cm	10	.0165 – .021		
RBYP0204		4	.0165 – .021	RBYPCLP15	Packing Coil LP 15 cm	15	.0165 – .021		
RBYP0210	3	10	.0165 – .021	RBYPCLP30	Packing Coil LP 30 cm	30	.0165 – .021		
RBYP0304		4	.0165 – .021	RBYPCLP45	Packing Coil LP 45 cm	45	.0165 – .021		
RBYP0310	4	10	.0165 – .021	RBYPCLP60	Packing Coil LP 60 cm	60	.0165 – .021		
RBYP0315		15	.0165 – .021						
RBYP0406	4	6	.0165 – .021						
RBYP0415		15	.0165 – .021						
RBYP0430		30	.0165 – .021						

Prior to use, please refer to the Instructions for Use for complete product indications, contraindications, warnings, precautions, potential adverse events, and detailed instructions for use.

### Penumbra LP Coil System – Intended Use

The Penumbra LP Coil System is intended for the embolization of: • Intracranial aneurysms • Other neurovascular abnormalities such as arteriovenous malformations and arteriovenous fistulae • Arterial and venous embolizations in the peripheral vasculature

### Potential Adverse Events

Possible complications include, but are not limited to, the following: acute occlusion, air embolism, allergic reaction and anaphylaxis from contrast media, aneurysm rupture, arteriovenous fistula, coagulopathy, coil herniation into parent vessel, death, device malfunction, distal embolization, emboli, embolic stroke and other cerebral ischemic events, false aneurysm formation, hematoma or hemorrhage at access site of entry, incomplete aneurysm occlusion, infection, intima dissection, intracranial hemorrhage, ischemia, myocardial infarction, neurological deficits including stroke, parent artery occlusion, peripheral thromboembolic events, post-embolization syndrome, premature device detachment, radiation exposure that

may lead to cataracts, skin reddening, burns, alopecia, or neoplasia from x-ray exposure, recanalization, renal failure, respiratory failure, revascularization, thromboembolic episodes, vessel spasm, thrombosis, dissection, or perforation.

### RUBY Coil System – Intended Use

The RUBY Coil System is intended for arterial and venous embolizations in the peripheral vasculature.

### Potential Adverse Events

Possible complications include, but are not limited to, the following: acute occlusion; air embolism; allergic reaction and anaphylaxis from contrast media; aneurysm rupture; arteriovenous fistula; coagulopathy; coil herniation into parent vessel; death; device malfunction; distal embolization; emboli; embolic stroke and other cerebral ischemic events; false aneurysm formation; hematoma or hemorrhage at access site of entry; incomplete aneurysm occlusion; infection; intima dissection; intracranial hemorrhage; ischemia; myocardial infarction; neurological deficits including stroke; parent artery occlusion; peripheral thromboembolic events; post-embolization syndrome; premature device detachment; recanalization; renal failure; respiratory failure; revascularization; thromboembolic episodes; vessel spasm, thrombosis, dissection, or perforation.



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Photographs taken by and on file at Penumbra, Inc. Tests performed and data on file at Penumbra, Inc. Bench test results may not be indicative of clinical performance. Renderings for illustrative purposes only. Individual results may vary depending on patient-specific attributes and other factors.

Product availability varies by country. Please contact your local Penumbra representative for more information.

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