# Ruby™ Coil LP & Packing Coil LP

## Volume, Length, & Softness

## Now Deliverable through Low Profile Microcatheters

**Interlock™ 18 - 2D**
2 mm × 6 cm

**Concerto™ Helical**
2 mm × 8 cm

**Ruby Coil LP**
2 mm × 10 cm

**Packing Coil LP**
10 cm

***2 – 60 cm** lengths*
***1 mm** minimum diameter*

**Large Volume Penumbra Coil**
10 cm deployed[a]

**Conventional 18-System Coils**
.021" microcatheter compatible


***NOW!* — Penumbra LP System**
.0165" – .021" microcatheter compatible


**1.3×**
Coil thickness advantage[b]

**Large Volume System**
.025"+ microcatheter compatible


**2.8×**
Coil thickness advantage[b]

a. 10 cm of 15 cm Packing Coil deployed at same scale as other coils to show length.
b. Data on file at Penumbra, Inc.
Photographs taken by and on file at Penumbra, Inc. Devices shown at same scale.

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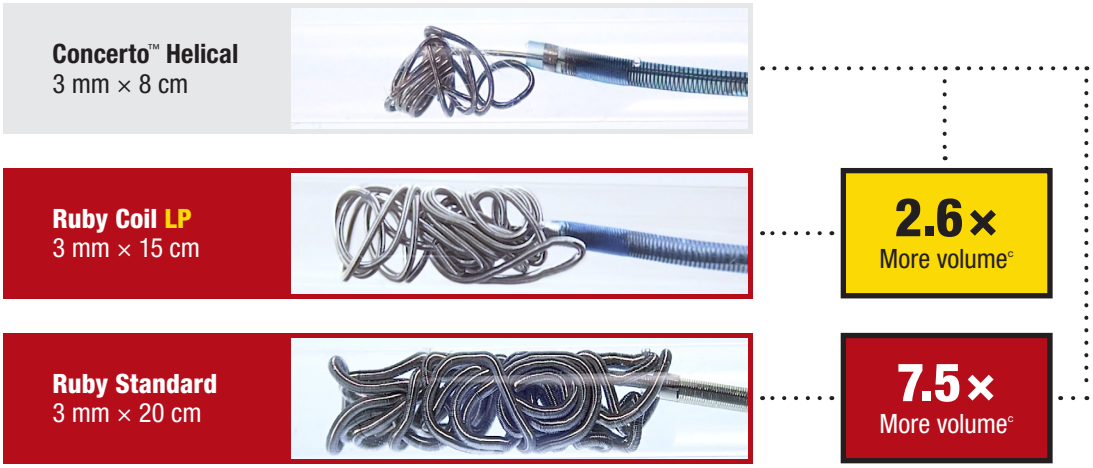
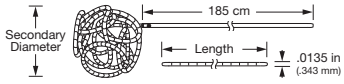
# Ruby™ Coil LP | Volume Advantage




c. 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.

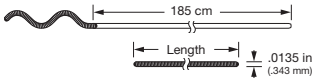
# LP System Ordering Information

## Ruby Coil LP




| Catalog Number | Secondary Diameter (mm) | Length (cm) | Microcatheter Compatibility (in.) |
|---|---|---|---|
| RBYLP0102 | 1 | 2 | .0165 – .021 |
| RBYLP0105 | | 5 | .0165 – .021 |
| RBYLP0202 | 2 | 2 | .0165 – .021 |
| RBYLP0204 | | 4 | .0165 – .021 |
| RBYLP0210 | | 10 | .0165 – .021 |
| RBYLP0304 | 3 | 4 | .0165 – .021 |
| RBYLP0310 | | 10 | .0165 – .021 |
| RBYLP0315 | | 15 | .0165 – .021 |
| RBYLP0406 | 4 | 6 | .0165 – .021 |
| RBYLP0415 | | 15 | .0165 – .021 |
| RBYLP0430 | | 30 | .0165 – .021 |

## Packing Coil LP




| Catalog Number | Product | Length (cm) | Microcatheter Compatibility (in.) |
|---|---|---|---|
| RBYPCLP03 | Packing Coil LP 3 cm | 3 | .0165 – .021 |
| RBYPCLP06 | Packing Coil LP 6 cm | 6 | .0165 – .021 |
| RBYPCLP10 | Packing Coil LP 10 cm | 10 | .0165 – .021 |
| RBYPCLP15 | Packing Coil LP 15 cm | 15 | .0165 – .021 |
| RBYPCLP30 | Packing Coil LP 30 cm | 30 | .0165 – .021 |
| RBYPCLP45 | Packing Coil LP 45 cm | 45 | .0165 – .021 |
| RBYPCLP60 | Packing Coil LP 60 cm | 60 | .0165 – .021 |

## LP System Detachment Handle


| Catalog Number | Product |
|---|---|
| RLPH1 | LP System Detachment Handle |

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.

**POD™ System – Intended Use**
For POD Coils with nominal sizes ≤ 6 mm – Intended Use
The POD 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
For POD Coils with nominal sizes > 6 mm – Intended Use
The POD 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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