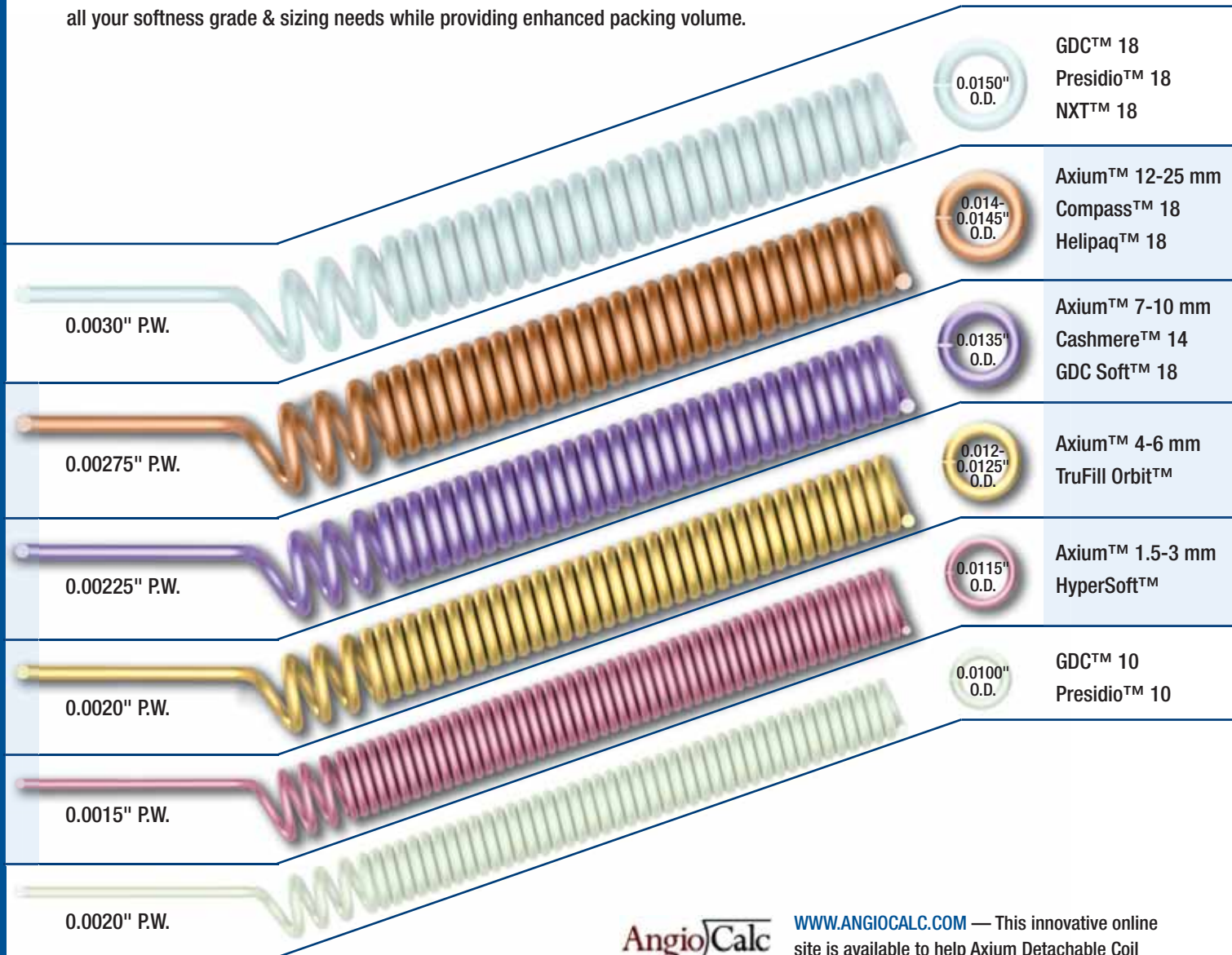


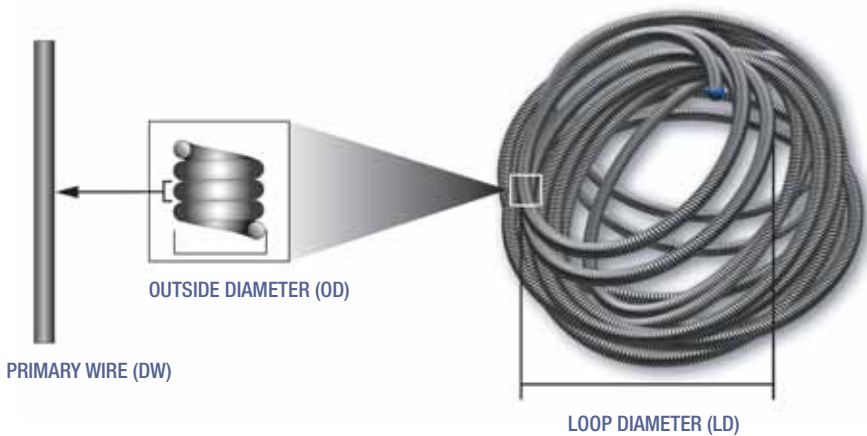
Maximizing Packing Volume and Angiographic Hemostasis

In aneurysm treatment, where there is an array of overlapping coil lines, Axiom Detachable Coil System gives you a comprehensive coil line that covers all your softness grade & sizing needs while providing enhanced packing volume.



WWW.ANGIOCALC.COM — This innovative online site is available to help Axiom Detachable Coil System users calculate cerebral aneurysm packing based on embolization coil selection.

$$K \propto \frac{(\text{Primary Wire Diameter})^x}{(\text{Outside Diameter})^y (\text{Loop Diameter})^z}$$



k-Factor: Optimizing softness, stability and volume

The Axiom Detachable Coil System was designed using the k-Factor algorithm to optimize the relationship of primary wire, outer diameter, and loop diameter to achieve a balance of softness, stability and volume through the entire coil line.³

Axiom™ Helical Detachable Coil

Order Number	Diameter (mm)	Length (cm)	Coil O.D.	Volume (mm ³)
QC-1.5-2-HELIX	1.5	2	0.0115"	1.34
QC-2-1-HELIX	2	1	0.0115"	0.67
QC-2-2-HELIX	2	2	0.0115"	1.34
QC-2-3-HELIX	2	3	0.0115"	2.01
QC-2-4-HELIX	2	4	0.0115"	2.68
QC-2-6-HELIX	2	6	0.0115"	4.02
QC-2-8-HELIX	2	8	0.0115"	5.36
QC-3-4-HELIX	3	4	0.0115"	2.68
QC-3-6-HELIX	3	6	0.0115"	4.02
QC-3-8-HELIX	3	8	0.0115"	5.36
QC-4-8-HELIX	4	8	0.0125"	6.83
QC-4-10-HELIX	4	10	0.0125"	7.92
QC-4-12-HELIX	4	12	0.0125"	9.50
QC-5-15-HELIX	5	15	0.0125"	11.88
QC-5-20-HELIX	5	20	0.0125"	15.83
QC-6-20-HELIX	6	20	0.0125"	15.83
QC-7-20-HELIX	NEW 7	20	0.0135"	27.70
QC-7-30-HELIX	7	30	0.0135"	27.70
QC-8-20-HELIX	NEW 8	20	0.0135"	27.70
QC-8-30-HELIX	8	30	0.0135"	27.70
QC-9-20-HELIX	NEW 9	20	0.0135"	27.70
QC-9-30-HELIX	9	30	0.0135"	27.70
QC-10-20-HELIX	NEW 10	20	0.0135"	27.70
QC-10-30-HELIX	10	30	0.0135"	27.70
QC-12-30-HELIX	12	30	0.0145"	31.96
QC-12-40-HELIX	NEW 12	40	0.0145"	31.96
QC-14-30-HELIX	14	30	0.0145"	31.96
QC-14-40-HELIX	NEW 14	40	0.0145"	31.96
QC-16-30-HELIX	16	30	0.0145"	31.96
QC-16-40-HELIX	16	40	0.0145"	42.61
QC-18-40-HELIX	18	40	0.0145"	42.61
QC-20-40-HELIX	20	40	0.0145"	42.61
QC-20-50-HELIX	20	50	0.0145"	53.27

Instant Detacher Model number ID-1-5

Axiom™ 3D Detachable Coil

Order Number	Diameter (mm)	Length (cm)	Coil O.D.	Volume (mm ³)
QC-2-2-3D	2	2	0.0115"	1.34
QC-2-4-3D	2	4	0.0115"	2.68
QC-2-6-3D	2	6	0.0115"	4.02
QC-3-4-3D	3	4	0.0115"	2.68
QC-3-6-3D	3	6	0.0115"	4.02
QC-3-8-3D	3	8	0.0115"	5.36
QC-4-6-3D	NEW 4	6	0.0125"	4.75
QC-4-8-3D	4	8	0.0125"	6.33
QC-4-10-3D	NEW 4	10	0.0125"	7.92
QC-4-12-3D	4	12	0.0125"	9.50
QC-5-8-3D	NEW 5	8	0.0125"	6.33
QC-5-10-3D	5	10	0.0125"	7.92
QC-5-15-3D	5	15	0.0125"	11.88
QC-6-10-3D	NEW 6	10	0.0125"	7.92
QC-6-15-3D	6	15	0.0125"	11.88
QC-6-20-3D	6	20	0.0125"	15.83
QC-7-15-3D	NEW 7	15	0.0135"	13.85
QC-7-20-3D	7	20	0.0135"	18.47
QC-7-30-3D	7	30	0.0135"	27.70
QC-8-15-3D	NEW 8	15	0.0135"	13.85
QC-8-20-3D	8	20	0.0135"	18.47
QC-8-30-3D	8	30	0.0135"	27.70
QC-9-20-3D	9	20	0.0135"	18.47
QC-9-30-3D	9	30	0.0135"	27.70
QC-10-20-3D	10	20	0.0135"	18.47
QC-10-30-3D	10	30	0.0135"	27.70
QC-12-30-3D	NEW 12	30	0.0145"	42.61
QC-12-40-3D	12	40	0.0145"	42.61
QC-14-30-3D	NEW 14	30	0.0145"	42.61
QC-14-40-3D	14	40	0.0145"	42.61
QC-16-40-3D	16	40	0.0145"	42.61
QC-18-40-3D	18	40	0.0145"	42.61
QC-20-50-3D	20	50	0.0145"	53.27
QC-22-50-3D	22	50	0.0145"	53.27
QC-25-50-3D	25	50	0.0145"	53.27

Bare Platinum Configurations

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. Axiom is a trademark of ev3 Inc. Other names appearing in this document are the property of their respective owners.

1. The relation between packing and reopening in coiled intracranial aneurysms: a prospective study. Marjan J. Slob, Menno Sluizewski, Willem Jan van Rooij. Neuroradiology (2005) 47: 942-945.
2. Complex shaped Platinum Coils for Brain Aneurysm: Higher Packing Density, Improved Biomechanical Stability, and Midterm Angiographic Outcome. A.K. Wekhlo, M.J. Gounis, J.S. Sandhu, N. Akkawi, A.E. Schenck, I. Linfante. AJNR 28: 1395-400, Aug 2007.
3. Coils in a nutshell: A Review of Coil Physical Properties. J.B. White, C.G.M. Ken, H.J. Cloft, D.F. Kallmes. Published June 12, 2008 as 10.3174/ajnr.A1067.

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Axiom™

Detachable Coil System

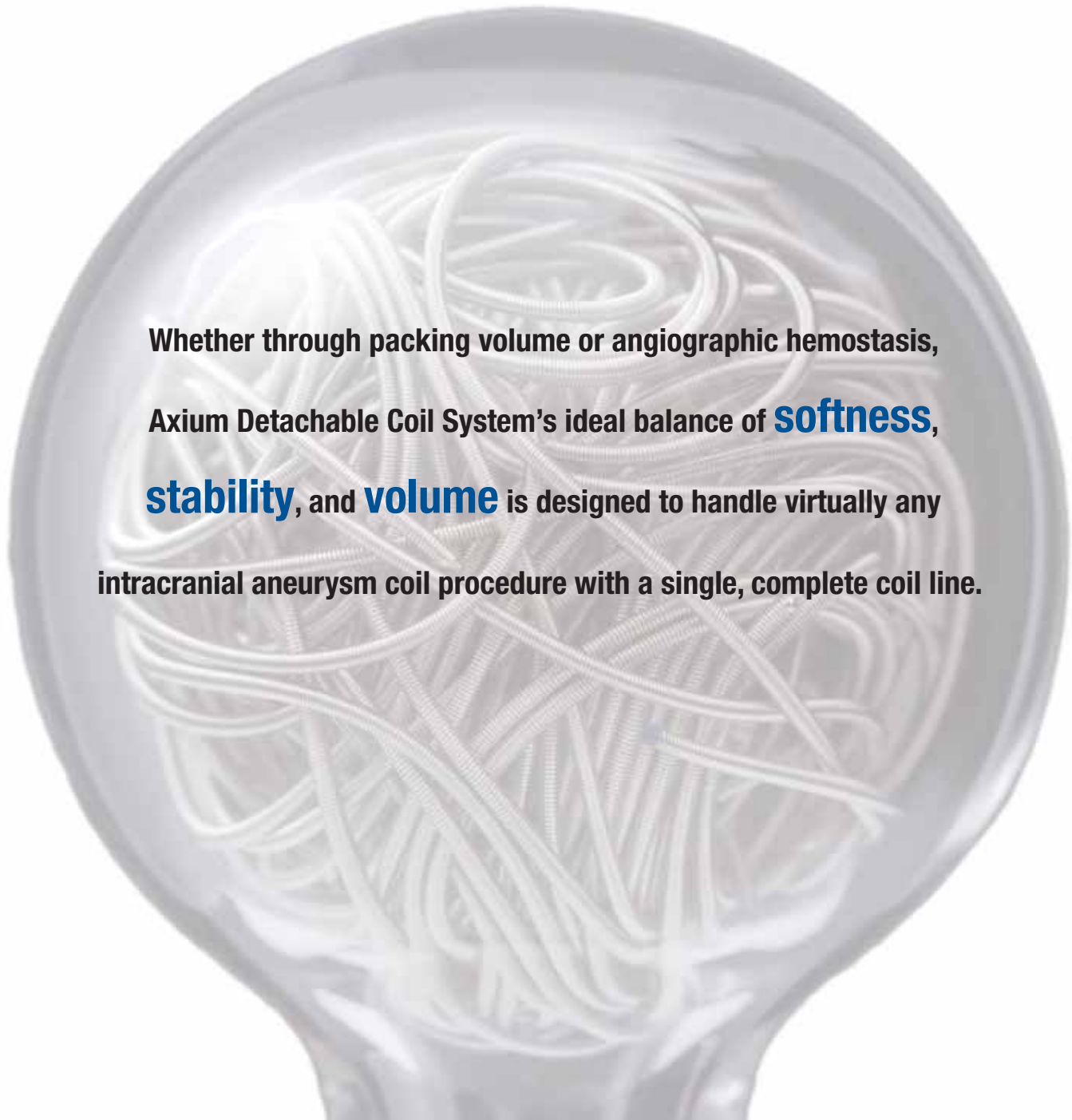
New
Therapeutic
Options!

Success starts with packing volume



Axium™ Detachable Coil System

Optimizing acute occlusion in aneurysm embolizations



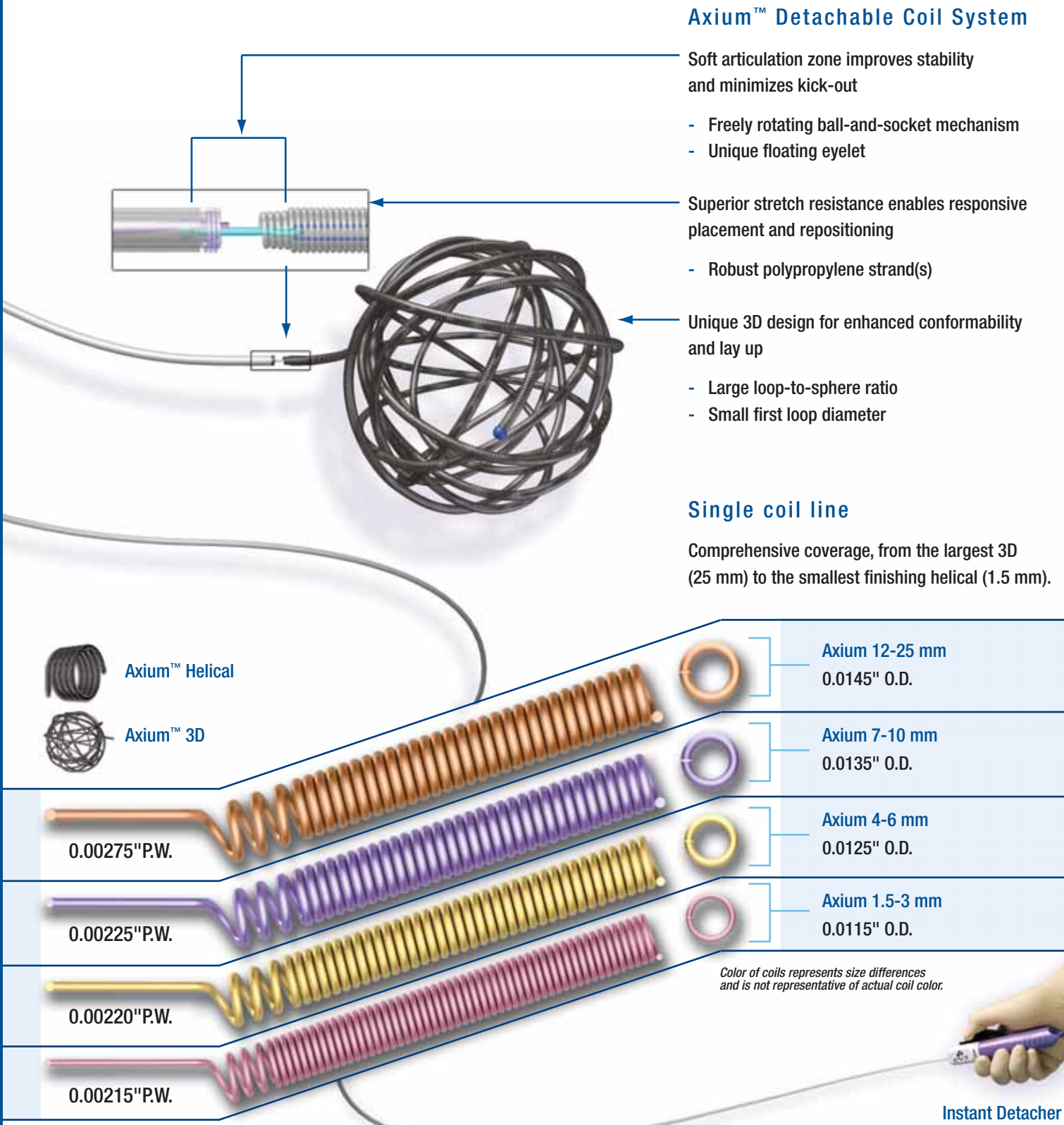
Whether through packing volume or angiographic hemostasis, Axium Detachable Coil System’s ideal balance of **softness**, **stability**, and **volume** is designed to handle virtually any intracranial aneurysm coil procedure with a single, complete coil line.

Published Literature Regarding Aneurysm Coiling States

1. “In conclusion, in coiled intracranial aneurysms high packing densities protect against reopening by compaction, in non-thrombosed aneurysms.”
— Marjan J. Slob, Menno Sluzewski, Willem Jan van Rooij.¹
2. “The use of complex-shaped coils allows higher packing density, which may improve the recanalization rate.”
— A.K. Wakhloo, M.J. Gounis, J.S. Sandhu, N. Akkawi, A.E. Schenck, I. Linfante.²

Bringing Softness, Stability and Volume Together

In a single, complete line with stretch resistance, Axium™ Detachable Coil System ranges from the largest 3D (25 mm) to the smallest helical (1.5 mm) available. The system offers the optimal balance with the softness of a “10”coil and the stability/volume of an “18” coil.



Axium™

Detachable Coil System

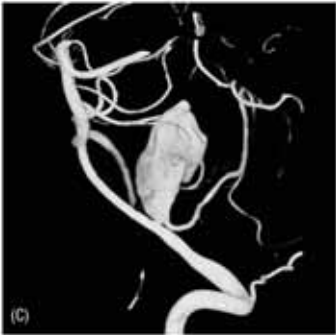
Case Reports

Clinical Success Using the Axium Detachable Coil System — Giant Aneurysm with 31% Packing Volume

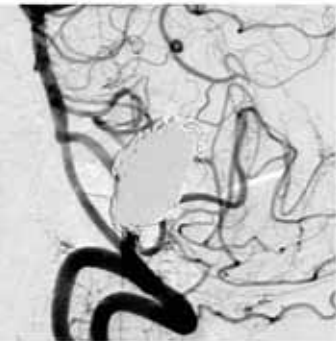
W.J. van Rooij
Professor of Interventional Neuroradiology
Chief and Director of Brabant Catholic Aneurysm Therapy Centre
M. Sluzewski, J. Peluso
St. Elisabeth Ziekenhuis, Tilburg, The Netherlands

Case Presentation
A 57 year-old woman presented with a 28 mm, partially thrombosed PICA aneurysm symptomatic by mass-effect on the brain stem. She was treated with 17 Axium coils, with a total length of 405 cm. All 17 coils went in smoothly and detached immediately. Procedure time was only 50 minutes. Packing volume was calculated as 31%.

Axium Detachable Coil System	% VOLUME:	31
	# COILS:	17



20 mm X 50 cm 3D
18 mm X 40 cm 3D
18 mm X 40 cm 3D
16 mm X 40 cm 3D
16 mm X 40 cm 3D
8mm X 30 cm 3D
7mm X 30 cm 3D
7mm X 30 cm 3D
6mm X 20 cm 3D
6mm X 15 cm 3D
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6mm X 15 cm 3D
6mm X 15 cm 3D
6mm X 15 cm 3D
6mm X 15 cm 3D

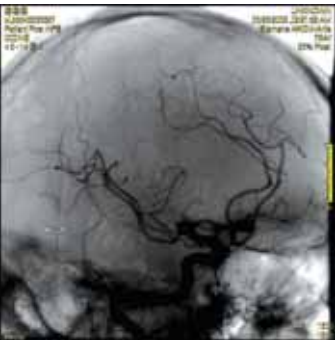


Acom Bi-lobed Aneurysm — Packing Volume & Angiographic Hemostasis

Blaise Baxter, M.D.
Erlanger Hospital
Chattanooga, TN
Department of Radiology

Case Presentation
Patient presented with a 7 mm X 5 mm anterior communicating artery aneurysm and was treated with 6 Axium coils. Two loops of the initial framing coil were placed in the small secondary lobe while the remainder of the coil established a nice basket. At the end of the procedure, the aneurysm was no longer opacified and no arterial stenosis was noted.

Axium Detachable Coil System	% VOLUME:	35.4
	# COILS:	6



7mm X 20 cm 3D
5mm X 15 cm 3D
4mm X 8 cm 3D
3mm X 4 cm 3D
2mm X 6 cm Helix
2mm X 3 cm Helix