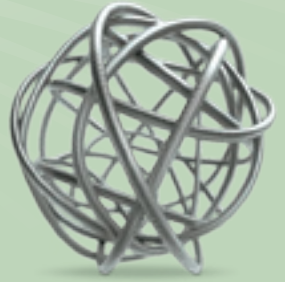


AZUR[®]

Embolization System



EMBOLIZE WITH CONFIDENCE

Shape your approach with a
comprehensive embolization system

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PLAN YOUR PROCEDURE WITH CONFIDENCE

AZUR® peripheral coils provide a stable and permanent platform for embolization¹



AZUR® Framing Coil

Enhanced stability



AZUR® CX

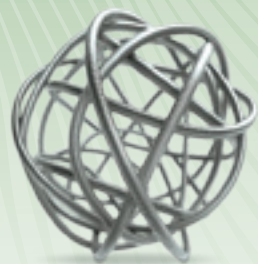
Vessel occlusion with cross-sectional coverage



AZUR® HydroCoil

Superior filling volume and packing density^{2,3}

Take control with the AZUR® Embolization System



ENHANCE STABILITY FROM THE START

A three-dimensional approach to aneurysms

- Provides an even distribution of coil loops at the treatment site
- Designed to provide greater coverage
- Works to keep additional coils inside to prevent migration

Goal*—Establishing the base

Use AZUR® Framing Coil with:
- AZUR® HydroCoil for aneurysms



Catheter Compatibility

Deploy via diagnostic catheter or microcatheter

Coil Type	Coil OD (in)	Catheter ID (in) [min-max]
Framer .018"	0.014 - 0.015	0.021 - 0.027
Framer .035"	0.022	0.038 - 0.047

The AZUR® family of peripheral coils: a complete system designed to help you achieve your embolization goals



UNIQUE CROSS-SECTIONAL COVERAGE

Soft, flexible, and precise for controlled delivery

- Creates a solid core with Hydrogel expansion for a stable, non-absorbable mechanical occlusion¹⁻⁴
- Designed to fill the vessel with minimal landing zone requirements
- Anchor coil provides precise placement for control in high-flow areas
- Coil design minimizes catheter manipulation

Goal*—Establishing the base & filling the space

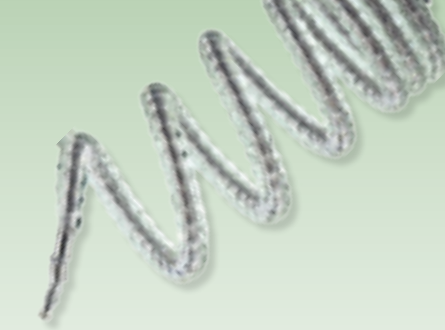
Use AZUR® CX with:
- AZUR® HydroCoil for vessel occlusions



Catheter Compatibility

Deploy via diagnostic catheter or microcatheter

Coil Type	Coil OD Pre Expansion (in)	Coil OD Post Expansion (in)	Catheter ID (in) [min-max]
CX .018"	0.014	0.015	0.019 - 0.027
CX .035"	0.029	0.029	0.041 - 0.047



SUPERIOR FILLING VOLUME AND PACKING DENSITY

Reduced reliance on thrombus

- Hydrogel expands 4-5 times the original size in the presence of blood to create a mechanical occlusion^{3,5}
- Promotes natural tissue proliferation and may reduce rates of recanalization^{2,4}
- Offers the potential to use fewer coils and achieve cost savings per procedure with optimal filling volume^{6,7}

Goal*—Filling the space

Use AZUR® HydroCoil with:
- AZUR® CX for vessel occlusions
- AZUR® Framing Coil for aneurysms



Catheter Compatibility

Deploy via diagnostic catheter or microcatheter

Coil Type	Coil OD Pre Expansion (in)	Coil OD Post Expansion (in)	Catheter ID (in) [min-max]
HydroCoil .018"	0.014 - 0.017	0.034	0.021 - 0.027
HydroCoil .035"	0.024 - 0.030	0.048	0.038 - 0.047

AZUR® Detachable System

- Achieve immediate and controlled deployment with true detachability at the push of a button






*For every vessel occlusion or aneurysm where a microcatheter or diagnostic catheter is required or preferred.

PUSHING BOUNDARIES

Terumo Interventional Systems is **committed to your success** with innovative procedural solutions and ongoing support for your most challenging cases.

We are relentlessly seeking new ways to help you apply effective solutions and achieve **better outcomes for more patients.**

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References:

1. Bavinzski G, et al. Gross and microscopic histopathological findings in aneurysms of the human brain treated with Guglielmi detachable coils. *J Neurosurg.* 1999;91:284-293. (*in-vivo* study). **2.** Pienk H, Killer M, Richling B. Pathophysiologic considerations on HydroCoil and platinum coil-occluded retrieved human cerebral aneurysms. Presented at ASITN MicroVenton Symposium. 2005. (*in-vivo* study). **3.** Ding YH, Dai D, Lewis DA, Cloft HJ, Kallmes DF. Angiographic and histologic analysis of experimental aneurysms embolized with platinum coils, Matrix, and HydroCoil. *Am J Neuroradiol.* 2005;26(7):1757-63. (animal study). **4.** Fohlen A, Namur J, Ghegediban H, Laurent A, Wassef M, Pelage JP. Peripheral embolization using hydrogel-coated coils versus fibered coils: short-term results in an animal model. *Cardiovasc Intervent Radiol.* 2017 Nov 1. doi:10.1007/s00270-017-1834-7. [Epub ahead of print]. **5.** Fanning NF, Berentei Z, Brennan PR, Thornton J. HydroCoil as an adjuvant to bare platinum coil treatment of 100 cerebral aneurysms. *Neuroradiology.* 2007;49(2):139-148. (*in-vivo* study). **6.** Maleux G, Deroose C, Fieuevs S, et al. Prospective comparison of hydrogel-coated microcoils versus fibered platinum microcoils in the prophylactic embolization of the gastroduodenal artery before yttrium-90 radioembolization. *J Vasc Interv Radiol.* 2013;24(6):797-803. (*in-vivo* study). **7.** Data on file. Terumo Corporation. IMS Data.

For Rx only.

Before using refer to **Instructions for Use** for indications, contraindications as well as warnings and precautions at www.terumo.com.

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18 SYSTEM – Detachable Products

	PRODUCT CODE	PRODUCT DESCRIPTION	LOOP DIAMETER (mm)	LENGTH (cm)	NUMBER OF LOOPS*	OD (in)*	COIN STACK LENGTH (mm)*	VOLUME (mm ³)*	
FRAMING 18 AZUR® Framing Coil	45-680820	AZUR 18D Framing 8 mm x 20 cm	8	20	6	0.014	—	19.86	
	45-681026	AZUR 18D Framing 10 mm x 26 cm	10	26	6	0.014	—	25.82	
	45-681434	AZUR 18D Framing 14 mm x 34 cm	14	34	6	0.015	—	38.76	
	45-682050	AZUR 18D Framing 20 mm x 50 cm	20	50	6	0.015	—	57.00	
DETACHABLE 18 AZUR® HydroCoil	45-480202	AZUR 18D System 2 mm x 2 cm	2	2	3.18	0.034	2.75	11.72	
	45-480204	AZUR 18D System 2 mm x 4 cm	2	4	6.36	0.034	5.49	23.43	
	45-480302	AZUR 18D System 3 mm x 2 cm	3	2	2.12	0.034	1.83	11.72	
	45-480305	AZUR 18D System 3 mm x 5 cm	3	5	5.31	0.034	4.59	29.29	
	45-480310	AZUR 18D System 3 mm x 10 cm	3	10	10.61	0.034	9.16	58.58	
	45-480405	AZUR 18D System 4 mm x 5 cm	4	5	3.98	0.034	3.44	29.29	
	45-480410	AZUR 18D System 4 mm x 10 cm	4	10	7.96	0.034	6.87	58.58	
	45-480415	AZUR 18D System 4 mm x 15 cm	4	15	11.94	0.034	10.31	87.86	
	45-480420	AZUR 18D System 4 mm x 20 cm	4	20	15.92	0.034	13.75	117.15	
	45-480505	AZUR 18D System 5 mm x 5 cm	5	5	3.18	0.034	2.75	29.29	
	45-480510	AZUR 18D System 5 mm x 10 cm	5	10	6.37	0.034	5.5	58.58	
	45-480515	AZUR 18D System 5 mm x 15 cm	5	15	9.55	0.034	8.25	87.86	
	45-480520	AZUR 18D System 5 mm x 20 cm	5	20	12.73	0.034	11.00	117.15	
	45-480610	AZUR 18D System 6 mm x 10 cm	6	10	5.31	0.034	4.59	58.58	
	45-480615	AZUR 18D System 6 mm x 15 cm	6	15	7.96	0.034	6.87	87.86	
	45-480620	AZUR 18D System 6 mm x 20 cm	6	20	10.61	0.034	9.16	117.15	
	45-480810	AZUR 18D System 8 mm x 10 cm	8	10	3.98	0.034	3.44	58.58	
	45-480815	AZUR 18D System 8 mm x 15 cm	8	15	5.97	0.034	5.16	87.86	
	45-480820	AZUR 18D System 8 mm x 20 cm	8	20	7.96	0.034	6.87	117.15	
	45-481010	AZUR 18D System 10 mm x 10 cm	10	10	3.18	0.034	2.75	58.58	
	45-481015	AZUR 18D System 10 mm x 15 cm	10	15	4.77	0.034	4.12	87.86	
	45-481020	AZUR 18D System 10 mm x 20 cm	10	20	6.37	0.034	5.50	117.15	
	45-481215	AZUR 18D System 12 mm x 15 cm	12	15	3.98	0.034	3.44	87.86	
	45-481220	AZUR 18D System 12 mm x 20 cm	12	20	5.31	0.034	4.59	117.15	
	45-481515	AZUR 18D System 15 mm x 15 cm	15	15	3.18	0.034	2.75	87.86	
	45-481520	AZUR 18D System 15 mm x 20 cm	15	20	4.24	0.034	3.66	117.15	
	45-481530	AZUR 18D System 15 mm x 30 cm	15	30	6.37	0.034	5.50	175.73	
	45-482020	AZUR 18D System 20 mm x 20 cm	20	20	3.18	0.034	2.75	117.15	
	45-482030	AZUR 18D System 20 mm x 30 cm	20	30	4.77	0.034	4.12	175.73	
	CROSS-SECTIONAL OCCLUDER 18 AZUR® CX	45-780202	AZUR CX 18D System 2 mm x 2 cm	2	2	3	0.015	—	2.28
		45-780204	AZUR CX 18D System 2 mm x 4 cm	2	4	6	0.015	—	4.56
		45-780304	AZUR CX 18D System 3 mm x 4 cm	3	4	4	0.015	—	4.56
45-780308		AZUR CX 18D System 3 mm x 8 cm	3	8	8	0.015	—	9.12	
45-780413		AZUR CX 18D System 4 mm x 13 cm	4	13	9	0.015	—	14.82	
45-780516		AZUR CX 18D System 5 mm x 16 cm	5	16	9	0.015	—	18.24	
45-780620		AZUR CX 18D System 6 mm x 20 cm	6	20	9	0.015	—	22.80	
45-780724		AZUR CX 18D System 7 mm x 24 cm	7	24	9	0.015	—	23.84	
45-780828		AZUR CX 18D System 8 mm x 28 cm	8	28	9	0.015	—	31.92	
45-780928		AZUR CX 18D System 9 mm x 28 cm	9	28	8	0.015	—	31.92	
45-781032		AZUR CX 18D System 10 mm x 32 cm	10	32	8	0.015	—	36.48	
45-781238		AZUR CX 18D System 12 mm x 38 cm	12	38	8	0.015	—	43.32	
45-781434		AZUR CX 18D System 14 mm x 34 cm	14	34	6	0.015	—	38.76	
45-781639		AZUR CX 18D System 16 mm x 39 cm	16	39	6	0.015	—	44.46	
45-781836		AZUR CX 18D System 18 mm x 36 cm	18	36	5	0.015	—	41.04	
45-782040		AZUR CX 18D System 20 mm x 40 cm	20	40	5	0.015	—	45.60	
AZUR® Detachment Controller	45-4001	Pack of 5 For use with Detachable Systems	—	—	—	—	—	—	

*Values are estimated based on engineering calculations and should only be used as reference. The actual measurements may vary based on multiple factors such as: blood flow, landing zone, sizing, packing density, technique, etc.

AZUR®

Peripheral HydroCoil Embolization System

ORDERING INFORMATION**18 SYSTEM – Pushable Products**

	PRODUCT CODE	PRODUCT DESCRIPTION	LOOP DIAMETER (mm)	LENGTH (cm)	NUMBER OF LOOPS*	OD (in)*	COIL STACK LENGTH (mm)*	VOLUME (mm ³)*
PUSHABLE 18 AZUR® HydroCoil	45-280202	AZUR 18P System 2 mm x 2 cm	2	2	3.18	0.034	2.75	11.72
	45-280302	AZUR 18P System 3 mm x 2 cm	3	2	2.12	0.034	1.83	11.72
	45-280304	AZUR 18P System 3 mm x 4 cm	3	4	4.24	0.034	3.66	23.43
	45-280402	AZUR 18P System 4 mm x 2 cm	4	2	1.59	0.034	1.37	11.72
	45-280404	AZUR 18P System 4 mm x 4 cm	4	4	3.18	0.034	2.75	23.43
	45-280406	AZUR 18P System 4 mm x 6 cm	4	6	4.77	0.034	4.12	35.15
	45-280504	AZUR 18P System 5 mm x 4 cm	5	4	2.55	0.034	2.20	23.43
	45-280506	AZUR 18P System 5 mm x 6 cm	5	6	3.82	0.034	3.30	35.15
	45-280510	AZUR 18P System 5 mm x 10 cm	5	10	6.37	0.034	5.50	58.58
	45-280514	AZUR 18P System 5 mm x 14 cm	5	14	8.91	0.034	7.70	82.01
	45-280606	AZUR 18P System 6 mm x 6 cm	6	6	3.18	0.034	2.75	35.15
	45-280610	AZUR 18P System 6 mm x 10 cm	6	10	5.31	0.034	4.59	58.58
	45-280614	AZUR 18P System 6 mm x 14 cm	6	14	7.43	0.034	6.42	82.01
	45-280620	AZUR 18P System 6 mm x 20 cm	6	20	10.61	0.034	9.16	117.15
	45-280810	AZUR 18P System 8 mm x 10 cm	8	10	3.98	0.034	3.44	58.58
	45-280814	AZUR 18P System 8 mm x 14 cm	8	14	5.57	0.034	4.81	82.01
	45-280820	AZUR 18P System 8 mm x 20 cm	8	20	7.96	0.034	6.87	117.15
	45-281014	AZUR 18P System 10 mm x 14 cm	10	14	4.46	0.034	3.85	82.01
45-281020	AZUR 18P System 10 mm x 20 cm	10	20	6.37	0.034	5.50	117.15	

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Peripheral HydroCoil Embolization System

AZUR® CX

Peripheral Coil System

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35 SYSTEM – Detachable Products

	PRODUCT CODE	PRODUCT DESCRIPTION	LOOP DIAMETER (mm)	LENGTH (cm)	NUMBER OF LOOPS*	OD (in)*	COIN STACK LENGTH (mm)*	VOLUME (mm ³)*	
FRAMING 35 AZUR® Framing Coil	45-650820	AZUR 35D Framing 8 mm x 20 cm	8	20	6	0.022	—	49.05	
	45-651026	AZUR 35D Framing 10 mm x 26 cm	10	26	6	0.022	—	63.76	
	45-651434	AZUR 35D Framing 14 mm x 34 cm	14	34	6	0.022	—	83.38	
	45-652050	AZUR 35D Framing 20 mm x 50 cm	20	50	6	0.022	—	122.62	
DETACHABLE 35 AZUR® HydroCoil	45-450405	AZUR 35D System 4 mm x 5 cm	4	5	3.98	0.048	4.85	58.37	
	45-450410	AZUR 35D System 4 mm x 10 cm	4	10	7.96	0.048	9.71	116.75	
	45-450415	AZUR 35D System 4 mm x 15 cm	4	15	11.94	0.048	14.56	175.12	
	45-450610	AZUR 35D System 6 mm x 10 cm	6	10	5.31	0.048	6.47	116.75	
	45-450615	AZUR 35D System 6 mm x 15 cm	6	15	7.96	0.048	9.71	175.12	
	45-450620	AZUR 35D System 6 mm x 20 cm	6	20	10.62	0.048	12.94	233.49	
	45-450815	AZUR 35D System 8 mm x 15 cm	8	15	5.97	0.048	7.28	175.12	
	45-450820	AZUR 35D System 8 mm x 20 cm	8	20	7.96	0.048	9.71	233.49	
	45-451015	AZUR 35D System 10 mm x 15 cm	10	15	4.78	0.048	5.82	175.12	
	45-451020	AZUR 35D System 10 mm x 20 cm	10	20	6.37	0.048	7.77	233.49	
	45-451215	AZUR 35D System 12 mm x 15 cm	12	15	3.98	0.048	4.85	175.12	
	45-451220	AZUR 35D System 12 mm x 20 cm	12	20	5.31	0.048	6.47	233.49	
	45-451230	AZUR 35D System 12 mm x 30 cm	12	30	7.96	0.048	9.71	350.24	
	45-451520	AZUR 35D System 15 mm x 20 cm	15	20	4.25	0.048	5.18	233.49	
	45-451530	AZUR 35D System 15 mm x 30 cm	15	30	6.37	0.048	7.77	350.24	
	45-452020	AZUR 35D System 20 mm x 20 cm	20	20	3.18	0.048	3.88	233.49	
	45-452030	AZUR 35D System 20 mm x 30 cm	20	30	4.77	0.048	5.82	350.24	
	CROSS-SECTIONAL OCCLUDER 35 AZUR® CX	45-750407	AZUR CX Detachable 035 4 mm x 7 cm	4	7	6	0.029	—	29.83
		45-750511	AZUR CX Detachable 035 5 mm x 11 cm	5	11	7	0.029	—	46.88
		45-750609	AZUR CX Detachable 035 6 mm x 9 cm	6	9	4	0.029	—	38.35
45-750617		AZUR CX Detachable 035 6 mm x 17 cm	6	17	8	0.029	—	72.44	
45-750812		AZUR CX Detachable 035 8 mm x 12 cm	8	12	4	0.029	—	51.14	
45-750824		AZUR CX Detachable 035 8 mm x 24 cm	8	24	8	0.029	—	102.27	
45-751019		AZUR CX Detachable 035 10 mm x 19 cm	10	19	5	0.029	—	80.97	
45-751324		AZUR CX Detachable 035 13 mm x 24 cm	13	24	5	0.029	—	102.27	
45-751632		AZUR CX Detachable 035 16 mm x 32 cm	16	32	5	0.029	—	136.37	
45-752039		AZUR CX Detachable 035 20 mm x 39 cm	20	39	5	0.029	—	166.19	
AZUR® Detachment Controller	45-4001	Pack of 5 For use with Detachable Systems	—	—	—	—	—	—	

*Values are estimated based on engineering calculations and should only be used as reference. The actual measurements may vary based on multiple factors such as: blood flow, landing zone, sizing, packing density, technique, etc.

AZUR®

Peripheral HydroCoil Embolization System

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35 SYSTEM – Pushable Products

	PRODUCT CODE	PRODUCT DESCRIPTION	LOOP DIAMETER (mm)	LENGTH (cm)	NUMBER OF LOOPS*	OD (in)*	COIL STACK LENGTH (mm)*	VOLUME (mm ³)*
PUSHABLE 35 AZUR® HydroCoil	45-250404	AZUR 35P System 4 mm x 4 cm	4	4	3.18	0.048	3.88	46.70
	45-250406	AZUR 35P System 4 mm x 6 cm	4	6	4.77	0.048	5.82	70.05
	45-250506	AZUR 35P System 5 mm x 6 cm	5	6	3.82	0.048	4.66	70.05
	45-250510	AZUR 35P System 5 mm x 10 cm	5	10	6.37	0.048	7.77	116.75
	45-250610	AZUR 35P System 6 mm x 10 cm	6	10	5.31	0.048	6.47	116.75
	45-250614	AZUR 35P System 6 mm x 14 cm	6	14	7.43	0.048	9.06	163.44
	45-250810	AZUR 35P System 8 mm x 10 cm	8	10	3.98	0.048	4.85	116.75
	45-250814	AZUR 35P System 8 mm x 14 cm	8	14	5.57	0.048	6.79	163.44
	45-250820	AZUR 35P System 8 mm x 20 cm	8	20	7.96	0.048	9.70	233.49
	45-251014	AZUR 35P System 10 mm x 14 cm	10	14	4.46	0.048	5.44	163.44
	45-251020	AZUR 35P System 10 mm x 20 cm	10	20	6.37	0.048	7.76	233.49
	45-251514	AZUR 35P System 15 mm x 14 cm	15	14	2.97	0.048	3.62	163.44
	45-251520	AZUR 35P System 15 mm x 20 cm	15	20	4.24	0.048	5.17	233.49
	45-251620	AZUR 35P System 16 mm x 20 cm	16	20	3.98	0.048	4.85	233.49

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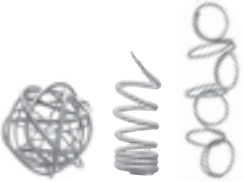
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AZUR®
Framing Coil System

AZUR®
Peripheral HydroCoil Embolization System

AZUR® CX
Peripheral Coil System

AZUR® COIL SIZING TABLE









AZUR PRODUCT	LOOP DIAMETER (mm) x LENGTH (cm)	ARTERIES/ANEURYSM	VEINS
 AZUR® Framing Coil	8 mm x 20 cm	5-7 mm	5-7 mm
	10 mm x 26 cm	8-10 mm	8-9 mm
	14 mm x 34 cm	11-14 mm	10-13 mm
	20 mm x 50 cm	≥15 mm	≥14 mm
 AZUR® HydroCoil	—	Right size to targeted area or oversize by 1 mm	Oversize 1-2 mm to targeted area
 AZUR® CX	—	Oversize 1-2 mm	Oversize 2 mm
 Combination	—	<ul style="list-style-type: none"> • Follow Framing Coils suggestion • Right size HydroCoils to targeted area • Proceed to downsize subsequent HydroCoils 	<ul style="list-style-type: none"> • Follow Framing Coils suggestion • Oversize HydroCoils 1-2 mm to targeted area • Proceed to downsize subsequent HydroCoils

AZUR[®]
Framing Coil System

AZUR[®]
Peripheral HydroCoil Embolization System

AZUR[®] CX
Peripheral Coil System

EMBOLIZATION TREATMENT ALGORITHM

EMBOLIZATION GOAL*	ANEURYSMS		VESSEL OCCLUSIONS	
	Microcatheter	Diagnostic Catheter	Microcatheter	Diagnostic Catheter
Establishing the Base	 0.018" Detachable Framing Coil	 0.035" Detachable Framing Coil	 0.018" CX Detachable	 0.035" CX Detachable
	 0.018" Detachable HydroCoil [®]	 0.035" Detachable HydroCoil [®]	 0.018" CX Detachable 0.018" Pushable HydroCoil [®] 0.018" Detachable HydroCoil [®]	 0.035" CX Detachable 0.035" Pushable HydroCoil [®] 0.035" Detachable HydroCoil [®]

*For every vessel occlusion or aneurysm where a microcatheter or diagnostic catheter is required or preferred.

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