

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.**

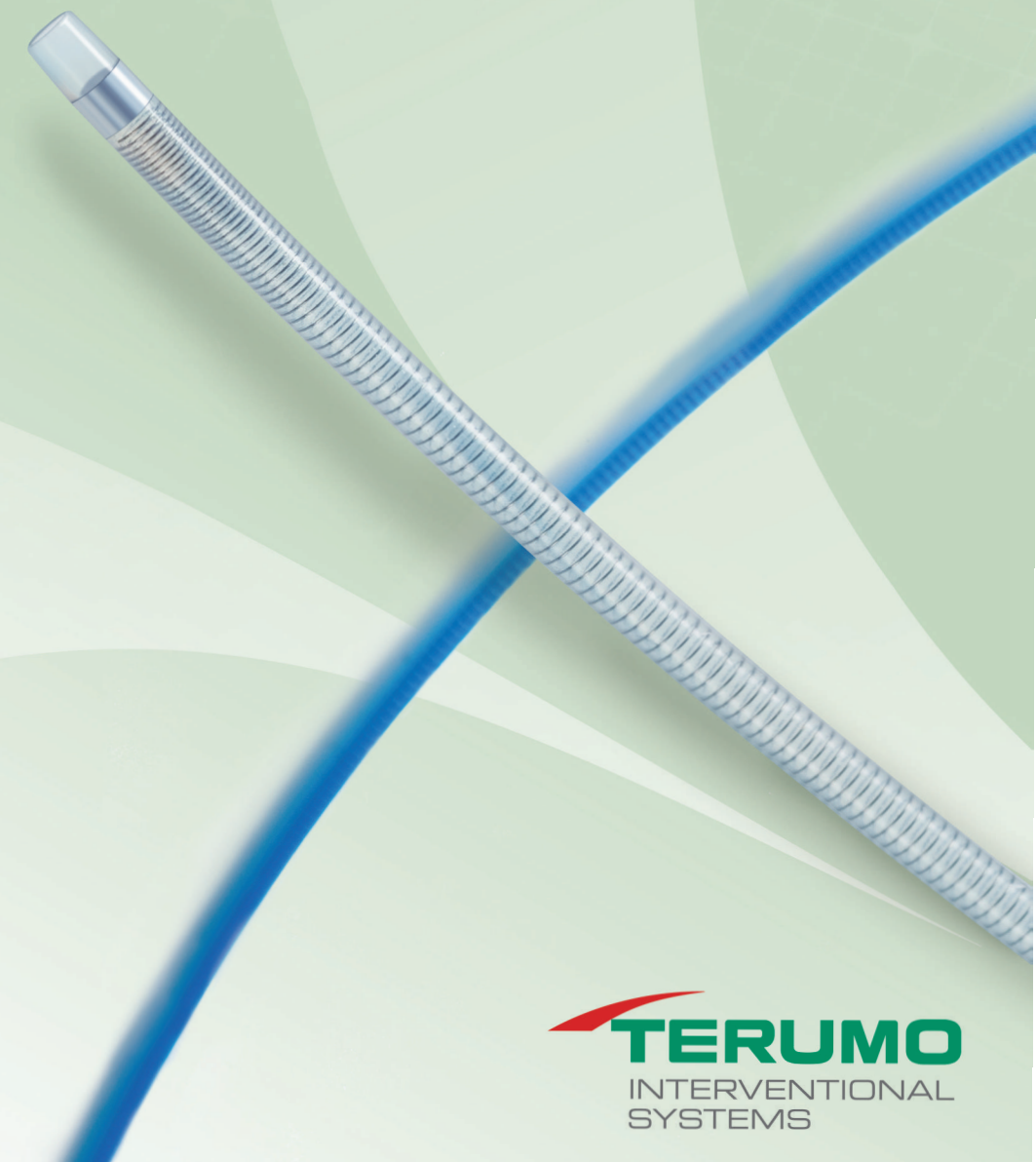


TERUMO
INTERVENTIONAL
SYSTEMS

Progreat®
Microcatheters

Progreat Alpha™
Peripheral Microcatheter

NAVIGATE DISTAL AND TORTUOUS ANATOMY



TERUMO
INTERVENTIONAL
SYSTEMS

OPTIMAL TRACKABILITY THROUGH TORTUOUS ANATOMY

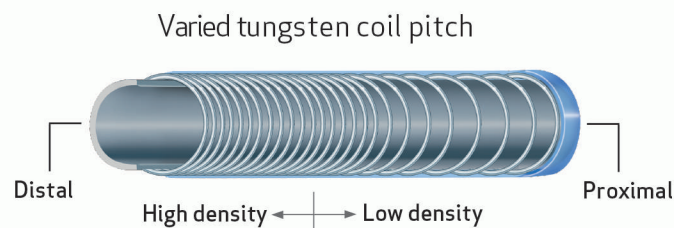
PROGREAT microcatheters are designed to allow navigation through tortuous peripheral vessels for optimal access and delivery of therapeutic embolization.

Designed to confidently deliver embolotherapy

- Tungsten coil reinforcement for kink resistance
- PTFE inner layer is designed for exceptional guidewire tracking, with virtually frictionless delivery of coils and other embolics
- DMSO compatible

Designed to enhance access to small, distal vessels

- TERUMO Glide Technology™ hydrophilic coating enhances navigation through tortuous anatomy
- Unique varied tungsten coil pitch construction provides distal flexibility and proximal pushability, enhancing vessel selectivity and catheter placement



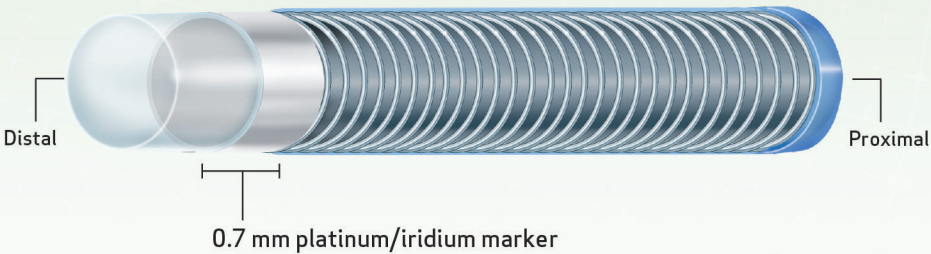
Achieve effective embolization when used in combination with

Glidewire® GT and **AZUR**[®]
Super-Selective Hydrophilic Coated Guidewire Peripheral HydroCoil Embolization System

Designed to enable rapid, precise positioning with optimal visibility

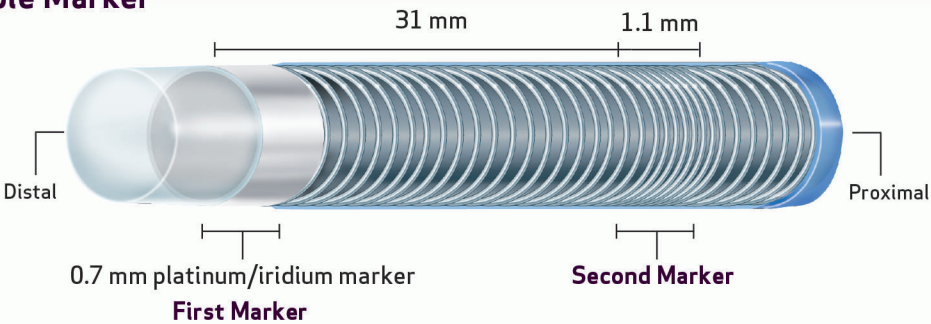
- Radiopaque 0.7 mm platinum/iridium microcatheter markers engineered into 110, 130, and 150 cm microcatheters

Single Marker



PROGREAT ALPHA™ 2.0 Fr – 110 cm, 130 cm, 150 cm
PROGREAT® 2.4 Fr, 2.7 Fr, 2.8 Fr – 110 cm, 130 cm

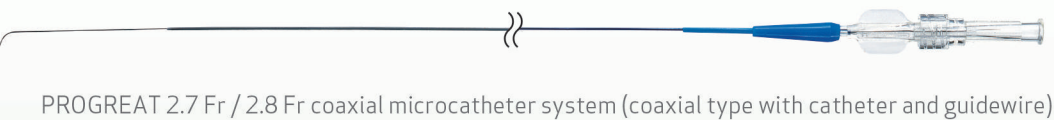
Double Marker



PROGREAT® 2.4 Fr, 2.8 Fr – 150 cm

PROGREAT COAXIAL MICROCATHETER SYSTEM

- Preloaded with uniquely designed 0.021" GLIDEWIRE® GT
- Enables simultaneous preparation of microcatheter and guidewire, which may save time and increase procedural efficiency



Progreat®

Microcatheters

PROGREAT MICROCATHETER

Includes hemostatic valve and shaping mandrel

Fr Size	Product Code	Length (cm)	Max Pressure (psi)	RO Markers	Hydrophilic Coating Length (cm)
2.4Fr	MC*PB2411Y	110	750	1	50
	MC*PB2413Y	130		1	70
	MC*PV2415Y	150		2	90
2.7Fr	MC*PC2711Y	110	750		50
	MC*PC2713Y	130			70
2.8Fr	MC*PB2811Y	110	900	1	50
	MC*PB2813Y	130		1	70
	MC*PV2815Y	150		2	90

PROGREAT COAXIAL MICROCATHETER SYSTEM

Includes unique 0.021" GLIDEWIRE® GT, wire stopper, guidewire introducer, hemostatic valve, 2.5mL syringe and shaping mandrel

Fr Size	Product Code	Length (cm)	Max Pressure (psi)	RO Markers	Hydrophilic Coating Length (cm)	0.021" GLIDEWIRE® GT Length (cm)
2.7Fr	MC*PE27111Y	110	750		50	120
	MC*PE27131Y	130			70	140
2.8Fr	MC*PE28111YB	110	900	1	50	120
	MC*PE28131YB	130		1	70	140
2.8Fr	MC*PE28151YV	150	900	2	90	160

PRODUCT SPECIFICATIONS

Catheter OD Distal/ Proximal (Fr/mm)	Length	Inner Diameter (in/mm)	Max Guidewire (in)	Embolic Compatibility	Dead Space Volume (mL)	Actual Flow Rate* (mL/sec)	
						750 psi	900 psi
2.4/2.9Fr (0.80/0.97mm)	110 cm	0.022"/0.57mm	0.018"	0.018" Coils/ HydroPearl® 600 ± 75 µm	0.48	2.3	—
	130 cm				0.53	2.0	—
	150 cm				0.58	1.8	—
2.7/2.9Fr (0.90/0.97mm)	110 cm	0.025"/0.65mm	0.021"	0.018" Coils/ HydroPearl® 800 ± 75 µm	0.57	3.5	—
	130 cm				0.64	3.2	—
2.8/3.0Fr (0.93/1.00mm)	110 cm	0.027"/0.70mm	0.021"	0.018" Coils/ HydroPearl® 800 ± 75 µm	0.61	4.1	4.7
	130 cm				0.68	3.7	4.3
	150 cm				0.75	3.1	3.9

*Flow rates taken at 37° using ISOVUE® 300.

FIND OUT MORE

 Phone: 800.862.4143
  terumo.com
 Fax: 800.411.5870

Progreat Alpha™

Peripheral Microcatheter

EXPAND YOUR OPTIONS IN ACCESS & EMBOLIC DELIVERY

PROGREAT ALPHA™ 2.0 Fr size for small peripheral vessels

Designed to enhance access to small peripheral vessels^{1,2}

- Low profile distal OD—smallest microcatheter specifically for peripheral vasculature^{1,2}
- TERUMO Glide Technology™ for navigation through tortuous anatomy^{1,2}

Designed to confidently deliver embolotherapy³

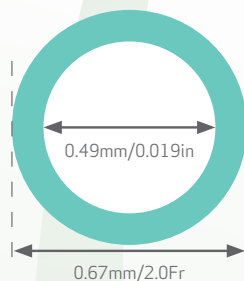
- Thin-wall design with large 0.019" lumen^{1,2}
- Tungsten coil reinforcement for kink resistance³
- DMSO compatible⁴

Designed to improve the efficiency of your embolization procedures²

- Supports the delivery of large embolics—up to 500 µm spherical particles, and the AZUR® CX 0.018" Peripheral Coil System²
- Designed to provide clear images, with superior PSI, compared to similar-sized microcatheters^{1,2}

Designed for small vessel embolization procedures such as:

- Prostate artery embolization (PAE)
- Pre Y-90 embolization
- Gastrointestinal bleeds



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PROGREAT ALPHA™ 2.0 Fr Peripheral Microcatheter

ORDERING INFORMATION

PROGREAT ALPHA™ PERIPHERAL MICROCATHETER						
Fr SIZE	PRODUCT CODE	LENGTH (cm)	MAX PRESSURE (PSI)	RO MARKERS	TIP SHAPE	HYDROPHILIC COATING LENGTH (cm)
2.0 Fr	MC*PC2011Y	110	750	1	Straight†	50
	MC*PC2013Y	130		1	Straight†	70
	MC*PC2015Y	150		1	Straight†	90

PRODUCT SPECIFICATIONS

Catheter OD Distal/Proximal (Fr/mm)	LENGTH (cm)	INNER DIAMETER (in/mm)	MAX GUIDEWIRE (in)	EMBOLIC COMPATIBILITY	DEAD SPACE VOLUME (mL)	ACTUAL FLOW RATE* (mL/sec) 750 psi
2.0/2.7 Fr (0.67/0.90mm)	110	0.019/0.49	0.016	AZUR® CX 0.018" Coils/ HydroPearl® 400 ± 75 µm	0.39	1.3
	130				0.43	1.2
	150				0.46	1.0

*Flow rates taken at 37° using ISOVUE® 300

†Shapeable tip—includes shaping mandrel

PROGREAT® MICROCATHETER

Also available in 2.4 Fr / 2.7 Fr / 2.8 Fr (without guidewire)

Includes hemostatic valve and shaping mandrel

PROGREAT® COAXIAL MICROCATHETER SYSTEM

Available in 2.7 Fr / 2.8 Fr (coaxial type with catheter and guidewire)

Includes unique 0.021" GLIDEWIRE® GT Guidewire, wire stopper, guidewire introducer, hemostatic valve, 2.5 mL syringe, and shaping mandrel

FIND OUT MORE ☎ Phone: 800.862.4143 🌐 terumo.com

References:

1. Catheter [Instructions for Use]. Somerset, NJ: Terumo Medical Corporation; 2014.
2. Data on File. Terumo Medical Corporation. 3. PROGREAT Catheter 510(k); 2003. 4. PROGREAT DMSO Compatibility Statement Letter. http://www.terumo.com/content/dam/terumopublic/products/progreat/PROGREAT_DMSO_Compatibility_Statement_Letter.pdf. September 8, 2016. Accessed July 28, 2017.

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