

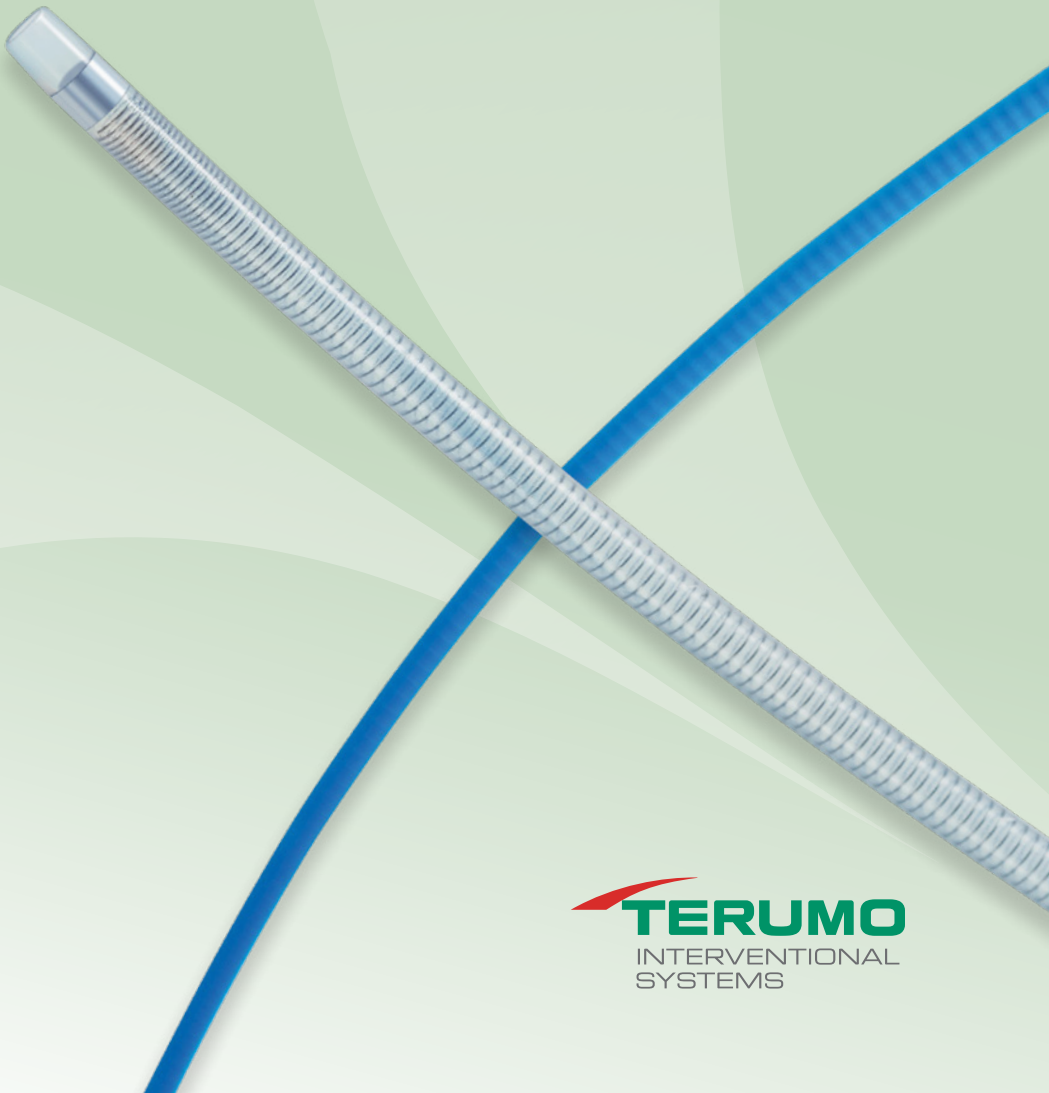
**Progreat<sup>®</sup>**

Microcatheters

**Progreat Alpha<sup>™</sup>**

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

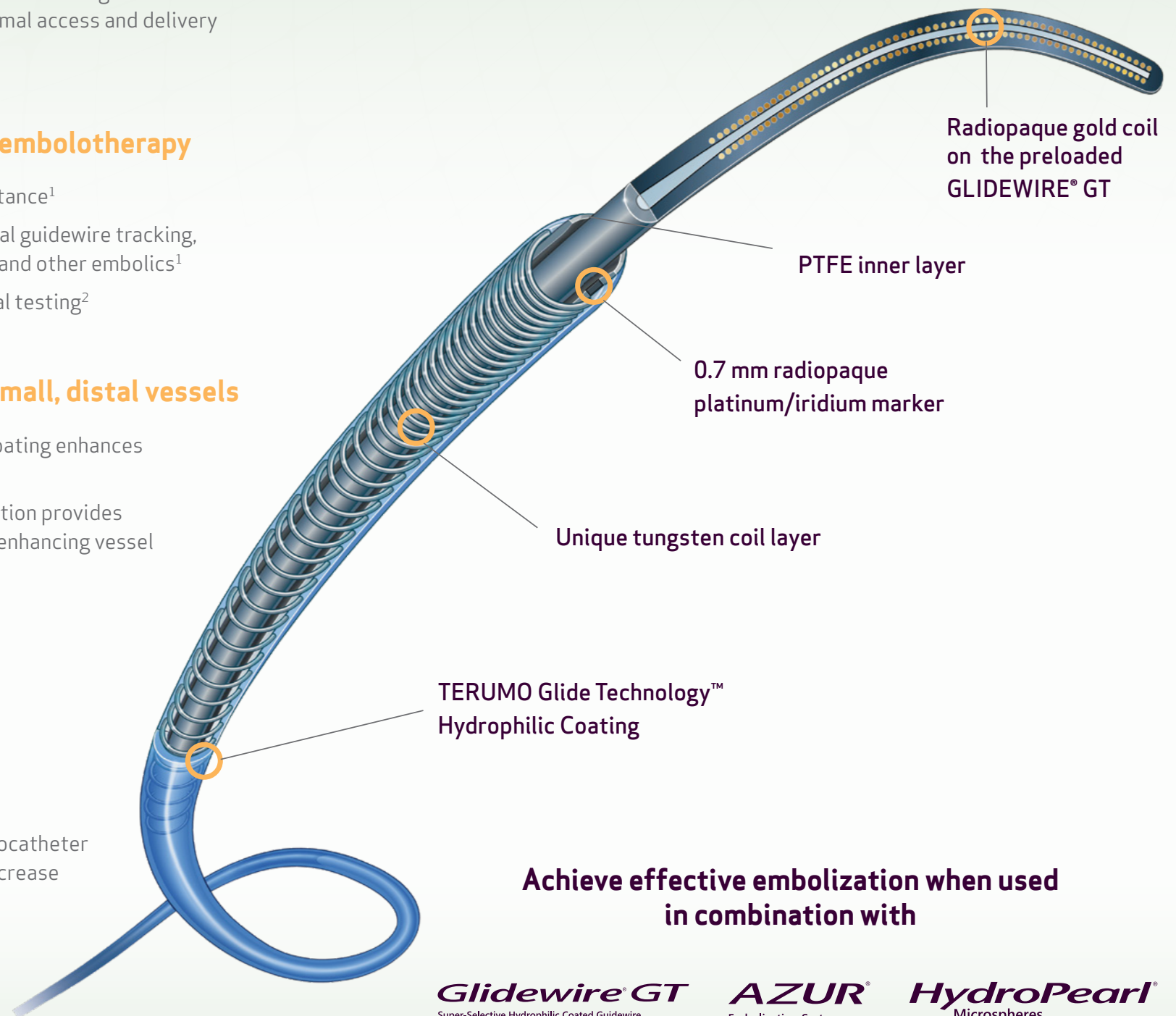
- Tungsten coil reinforcement for kink resistance<sup>1</sup>
- PTFE inner layer is designed for exceptional guidewire tracking, with virtually frictionless delivery of coils and other embolics<sup>1</sup>
- DMSO compatible based on the mechanical testing<sup>2</sup>

## 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<sup>1</sup>

## Coaxial platform designed for efficient delivery

- Preloaded with uniquely designed 0.018" GLIDEWIRE® GT for 2.4 Fr and a 0.021" GLIDEWIRE® GT for 2.7 and 2.8Fr<sup>3</sup>
- Enables simultaneous preparation of microcatheter and guidewire, which may save time and increase procedural efficiency<sup>3</sup>



**Achieve effective embolization when used  
in combination with**

**Glidewire® GT**  
Super-Selective Hydrophilic Coated Guidewire

**AZUR®**  
Embolization System

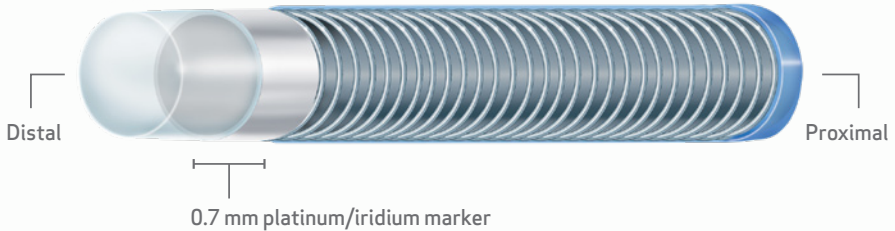
**HydroPearl®**  
Microspheres

# EXPAND YOUR OPTIONS IN ACCESS & EMBOLIC DELIVERY

**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

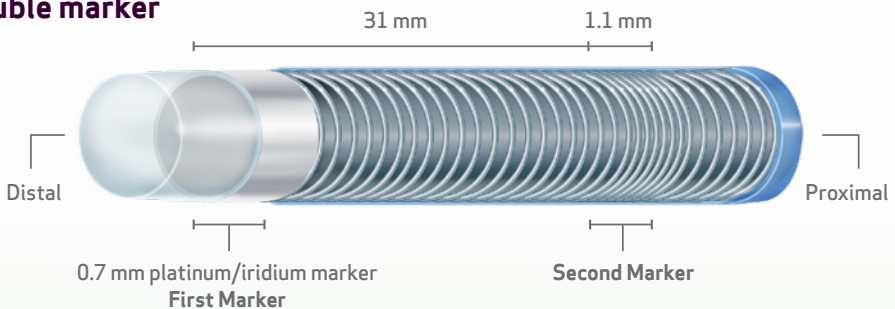
## Single marker



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 Alpha™

Peripheral Microcatheter

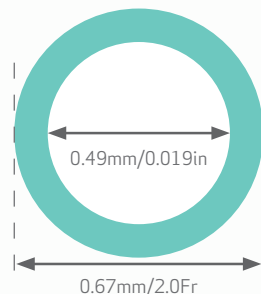
## NAVIGATE WITH PRECISION IN SMALL VESSEL PROCEDURES

**Progreat Alpha 2.0 Fr is designed to enhance access to small peripheral vessels<sup>1,3</sup>**

- Low profile distal OD—small microcatheter designed specifically for peripheral vasculature

**Designed to improve the efficiency of your embolization procedures<sup>2</sup>**

- Thin-wall design with large 0.019" lumen<sup>3</sup>
- Supports the delivery of large embolics—up HydroPearl® 400±75 µm, and the AZUR® CX 0.018" Peripheral Coil System<sup>4</sup>
- Designed to provide clear images, with superior PSI, compared to similar-sized microcatheters<sup>3,4</sup>



**Designed for small vessel embolization procedures such as:**

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

## PROGREAT® MICROCATHETER

2.0 Fr includes shaping mandrel. 2.4 Fr, 2.7 Fr and 2.8 Fr includes hemostatic valve and shaping mandrel.

Fr SIZE	PRODUCT CODE	LENGTH (CM)	MAX PRESSURE (PSI)	RO MARKERS	HYDROPHILIC COATING LENGTH (CM)
2.0 Fr	MC*PC2011Y	110	750	1	50
	MC*PC2013Y	130		1	70
	MC*PC2015Y	150		1	90
2.4 Fr	MC*PB2411Y	110	750	1	50
	MC*PB2413Y	130		1	70
	MC*PV2415Y	150		2	90
2.7 Fr	MC*PC2711Y	110	750	–	50
	MC*PC2713Y	130		–	70
2.8 Fr	MC*PB2811Y	110	900	1	50
	MC*PB2813Y	130		1	70
	MC*PV2815Y	150		2	90

\*Shapeable tip—includes shaping mandrel

## PROGREAT® COAXIAL MICROCATHETER SYSTEM

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

Fr SIZE	PRODUCT CODE	LENGTH (CM)	MAX PRESSURE (PSI)	RO MARKERS	HYDROPHILIC COATING LENGTH (CM)	GLIDEWIRE® GT LENGTH (CM)	GLIDEWIRE® GT SIZE (IN)
2.4 Fr	MC*PE24111Y	110	750	1	50	120	0.018
	MC*PE24131Y	130		1	70	140	
	MC*PE24151YV	150		2	90	160	
2.7 Fr	MC*PE27111Y	110	750	–	50	120	0.021
	MC*PE27131Y	130		–	70	140	
2.8 Fr	MC*PE28111YB	110	900	1	50	120	0.021
	MC*PE28131YB	130		1	70	140	
	MC*PE28151YV	150		2	90	160	

## PRODUCT SPECIFICATIONS

CATHETER OS 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	900 PSI
<b>2.0/2.7 Fr (0.67/0.90mm)</b>	110	0.019"/0.49mm	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	–
2.4/2.9Fr (0.80/0.97mm)	110	0.022"/0.57mm	0.018"	0.018" Coils/ HydroPearl® 600 ± 75 µm	0.48	2.3	–
	130				0.53	2.0	–
	150				0.58	1.8	–
2.7/2.9Fr (0.90/0.97mm)	110	0.025"/0.65mm	0.021"	0.018" Coils/ HydroPearl® 800 ± 75 µm	0.57	3.5	–
	130				0.64	3.2	–
2.8/3.0Fr (0.93/1.00mm)	110	0.027"/0.70mm	0.021"	0.018" Coils/ HydroPearl® 800 ± 75 µm	0.61	4.1	4.7
	130				0.68	3.7	4.3
	150				0.75	3.1	3.9




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



# 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.**

**FIND OUT MORE**  Phone: 800.862.4143  [terumo.com](http://terumo.com)  Fax: 800.411.5870

**RX ONLY.** Refer to the product labels and package insert for complete warnings, precautions, potential complications, and instructions for use.

**References:**

1. PROGREAT Catheter 510(k); 2003.
2. PROGREAT DMSO Compatibility Statement Letter. Terumo Corporation. 2016
3. Catheter [Instructions for Use]. Somerset, NJ: Terumo Medical Corporation; 2016
4. Data on File. Terumo Medical Corporation.

©2019 Terumo Medical Corporation. All rights reserved. All brand names are trademarks or registered trademarks of their respective owners. PM-02259

  
**TERUMO**  
INTERVENTIONAL  
SYSTEMS