

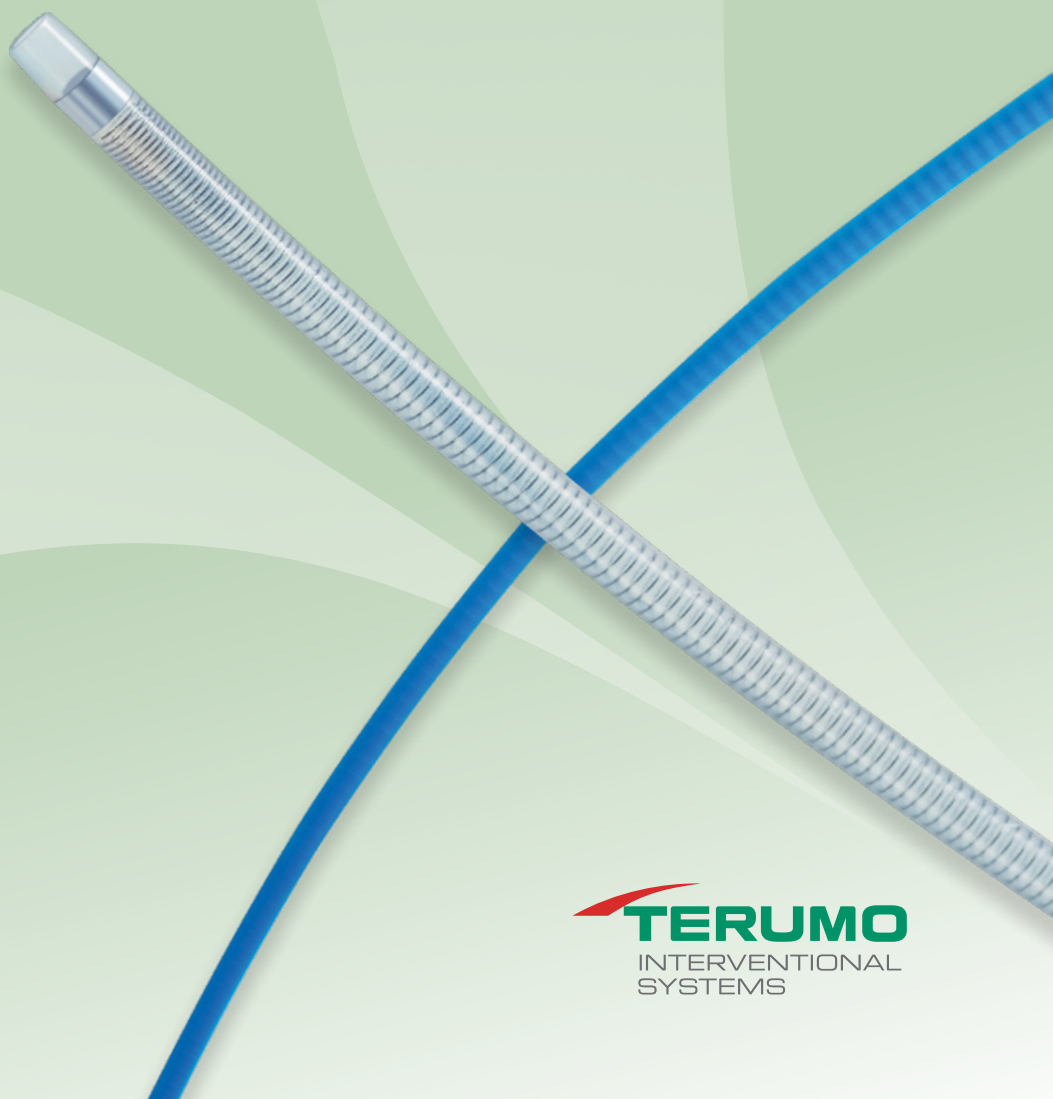
Progreat[®]

Microcatheters

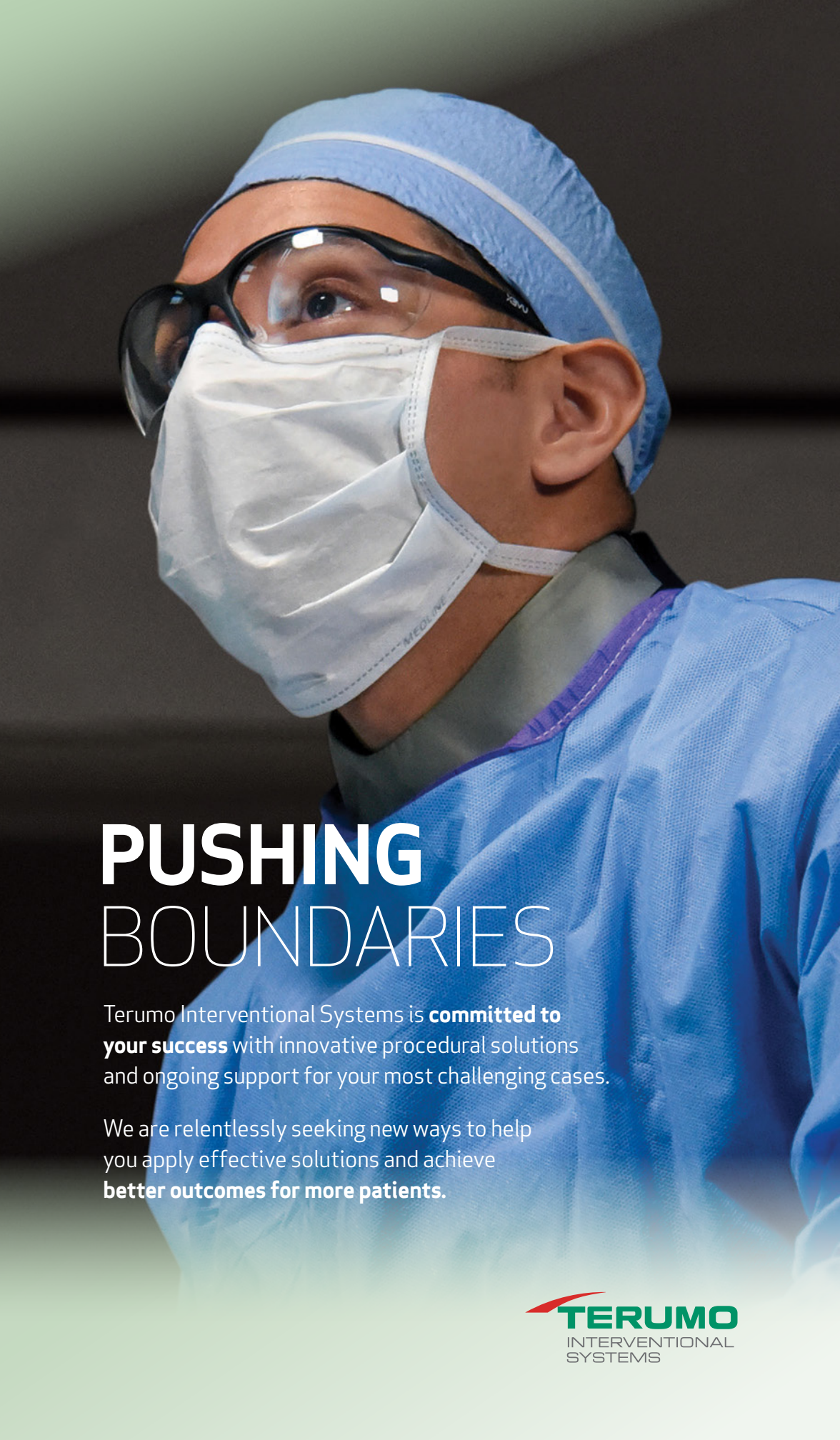
Progreat Alpha[™]

Peripheral Microcatheter

NAVIGATE DISTAL AND
TORTUOUS ANATOMY



 **TERUMO**
INTERVENTIONAL
SYSTEMS



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

EXPAND YOUR OPTIONS IN ACCESS & EMBOLIC DELIVERY

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

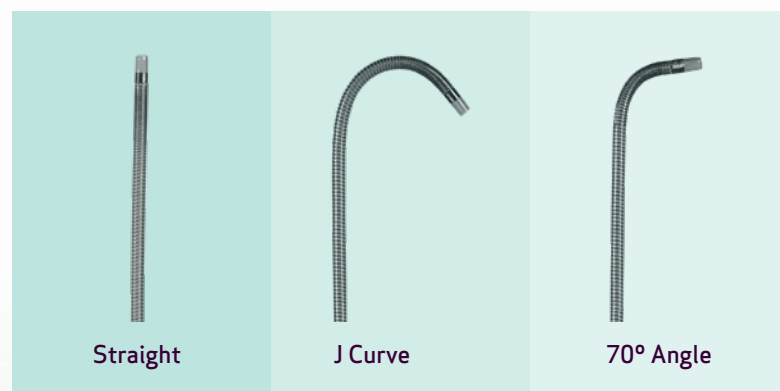
Confidently deliver embolotherapy

- PTFE inner layer allows for smooth passage for embolic agents¹
- DMSO compatible²
- Engineered with radiopaque markers for optimal visibility³

Optimal trackability through tortuous anatomy

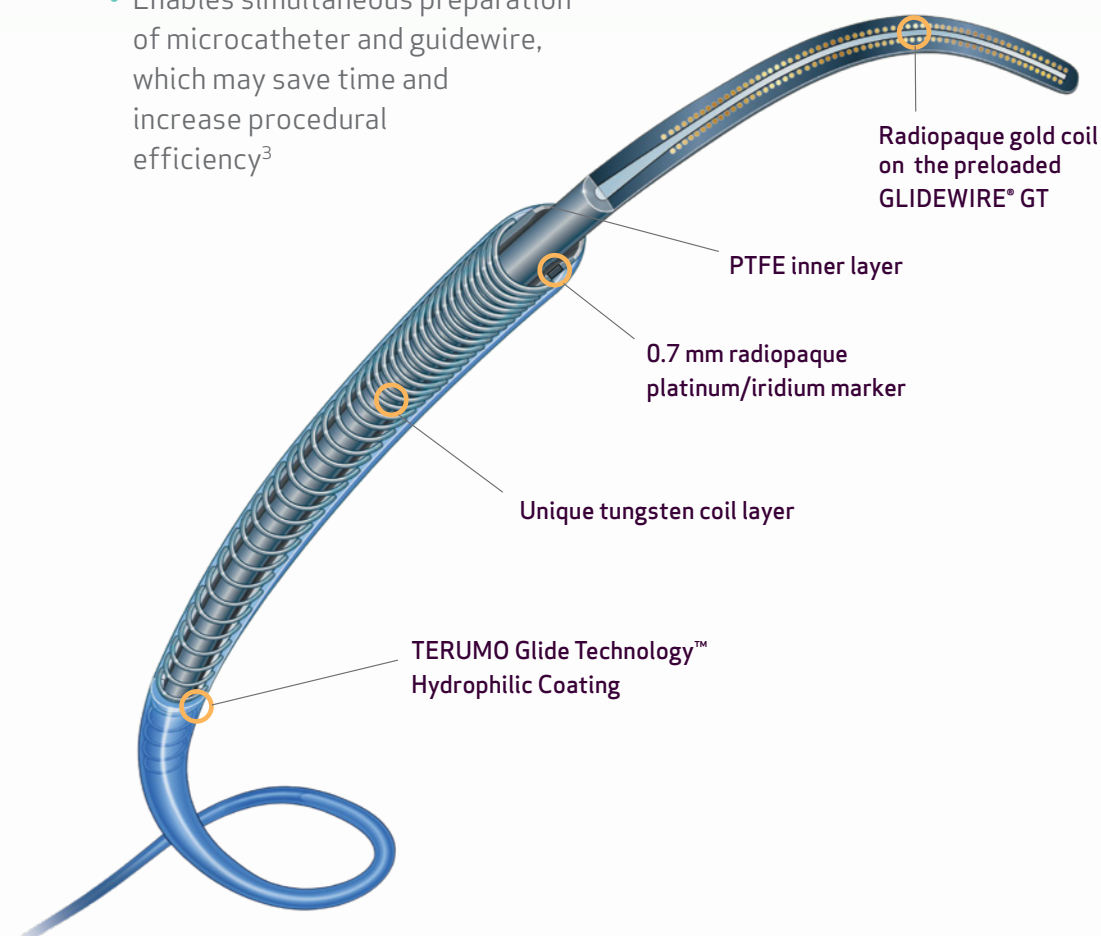
- Unique varied tungsten coil pitch construction provides kink resistance and distal flexibility for enhanced vessel selectivity¹
- TERUMO Glide Technology™ hydrophilic coating enhances movement through tortuous vasculature¹

Available in pre-shaped tip shape configurations for vessel engagement



Coaxial platform designed for efficient delivery

- Preloaded with uniquely designed GLIDEWIRE® GT
- Enables simultaneous preparation of microcatheter and guidewire, which may save time and increase procedural efficiency³



Achieve effective embolization when used in combination with

Glidewire® GT
Super-Selective Hydrophilic Coated Guidewire

AZUR®
Embolization System

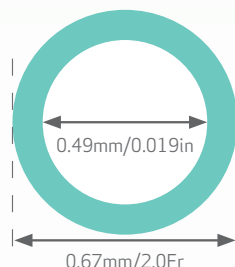
HydroPearl®
Microspheres

Progreat Alpha™

Peripheral Microcatheter

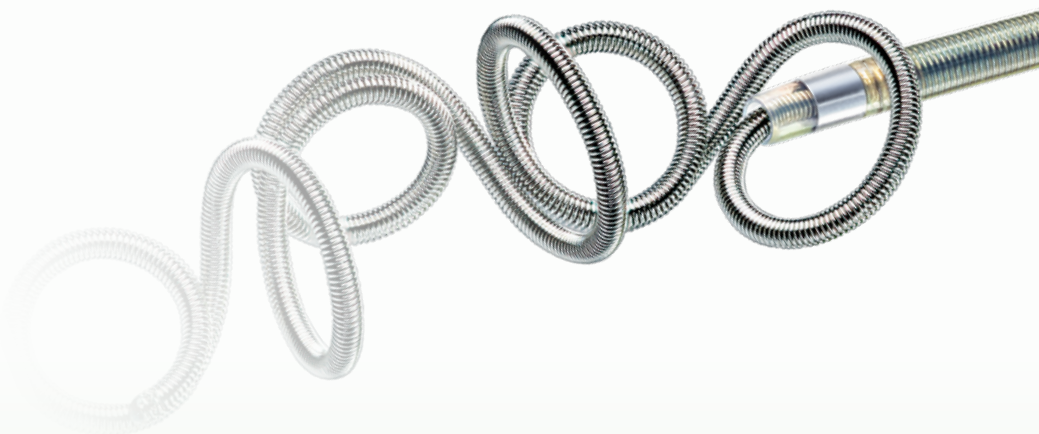
Progreat Alpha 2.0 Fr is designed to enhance access to small peripheral vessels³

- Thin-wall design allowing for a low profile distal OD with a large 0.019" inner lumen³
- Supports the delivery of large embolics— up to HydroPearl™ 400±75 µm, and AZUR™ CX 0.018" Peripheral Coil System⁴
- Designed to provide clear images with superior PSI, compared to similar-sized microcatheters^{3,4}



Designed for small vessel embolization procedures such as:

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



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)	TIP SHAPE	MAX PRESSURE (PSI)	R0 MARKERS	HYDROPHILIC COATING LENGTH (CM)
2.0 Fr	MC*PC2011Y	110	Straight	750	1	50
	MC*PC2013Y	130	Straight		1	70
	MC*PC2013ZRA	130	70 Deg. Angle		1	70
	MC*PC2013ZRC	130	J Curve		1	70
	MC*PC2015Y	150	Straight		1	90
	MC*PC2015ZRA	150	70 Deg. Angle		1	90
	MC*PC2015ZRC	150	J Curve		1	90
2.4 Fr	MC*PB2411Y	110	Straight	750	1	50
	MC*PB2413Y	130	Straight		1	70
	MC*PB2413ZRA	130	70 Deg. Angle		1	70
	MC*PB2413ZRC	130	J Curve		1	70
	MC*PV2415Y	150	Straight		2	90
	MC*PV2415ZRA	150	70 Deg. Angle		2	90
	MC*PV2415ZRC	150	J Curve		2	90
2.7 Fr	MC*PC2711Y	110	Straight	750	-	50
	MC*PC27137	130	Straight		-	70
2.8 Fr	MC*PB2811Y	110	Straight	900	1	50
	MC*PB2813Y	130	Straight			70
	MC*PV2815Y	150	Straight		2	90

[†]Shapeable tip—including shaping mandrel

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
2.0/2.7 Fr (0.67/0.90mm)	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.

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)	R0 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	

FIND OUT MORE ☎ Phone: 800.862.4143 🌐 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. Progreat Microcatheter IFU PG34E002-03 Revised 2019-08 4. Data on File. Terumo Medical Corporation.

