



# Progreat<sup>®</sup>

Microcatheter System for Intravascular Treatment

QUICK, SLICK,  
**ACCURATE.**

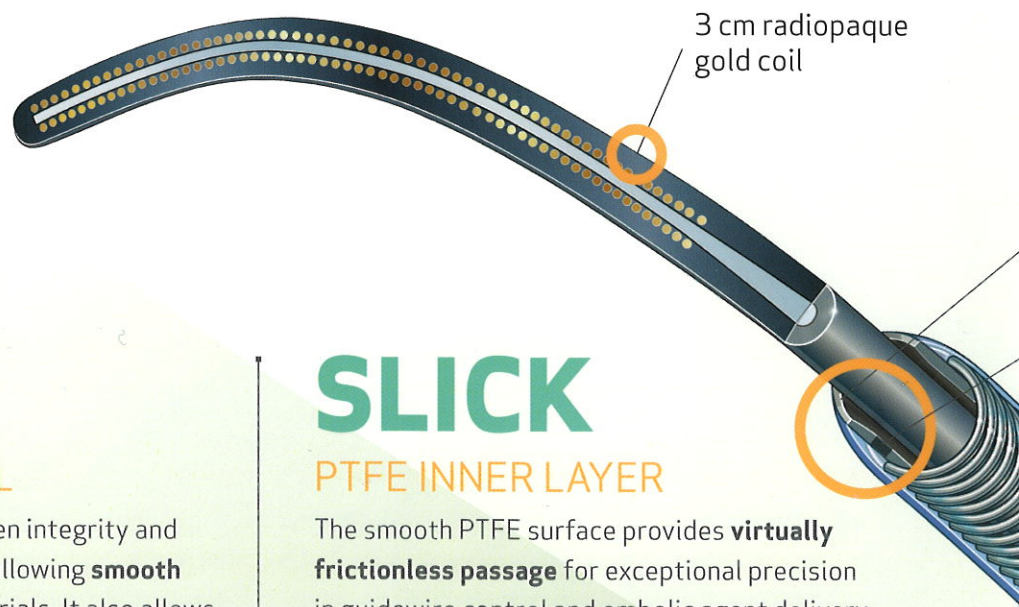


# Progreat<sup>®</sup>

136 per.

## ACCURATE DISTAL ACCESS **AND**

Terumo presents a technological breakthrough: the **PROGREAT microcatheter** system designed for therapeutic embolization and angiography in peripheral vessels. Easy to control: it reaches lesions with precision thanks to exceptional vessel selectivity.



### QUICK

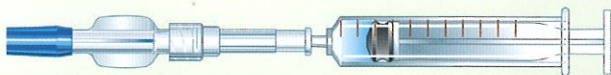
#### TUNGSTEN SPIRAL COIL

The tungsten coil protects inner lumen integrity and provides **excellent kink resistance**, allowing **smooth delivery** of all types of embolic materials. It also allows large inner lumen to achieve **optimal flow rate with high pressure** (Max. 900 psi/ 6.205 kPa)<sup>1</sup>.

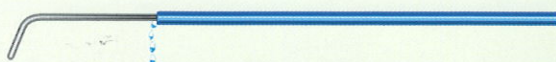
#### VARIED OUTER LAYER

The varied materials of the outer layer provide stiffness for transition towards the distal tip of the microcatheter, ensuring reliable **trackability** into narrow and tortuous target vessels<sup>1</sup>.

#### FAST FLUSHING (COAXIAL TYPE)



Prime at least 1mL of heparinised saline solution through the coaxial wire port



Allow more than 10 drops to exit from the micro catheter tip. This activates the coaxial wire's hydrophilic coating and lubricates the inner lumen of the PROGREAT.

### SLICK

#### PTFE INNER LAYER

The smooth PTFE surface provides **virtually frictionless passage** for exceptional precision in guidewire control and embolic agent delivery.

#### M COAT<sup>™</sup>

Terumo's famous hydrophilic coating facilitates navigation through vascular anatomy, helping to make PROGREAT a breakthrough in conventional angiographic practice.

#### THREE-LAYER STRUCTURE

This original structure not only provides PROGREAT with its world-renowned resistance to kinking, but also **enhances its radiopacity and distal flexibility**<sup>2</sup> for a more precise catheter placement<sup>1</sup>.

#### Outer layer hardness



Soft ← → Firm

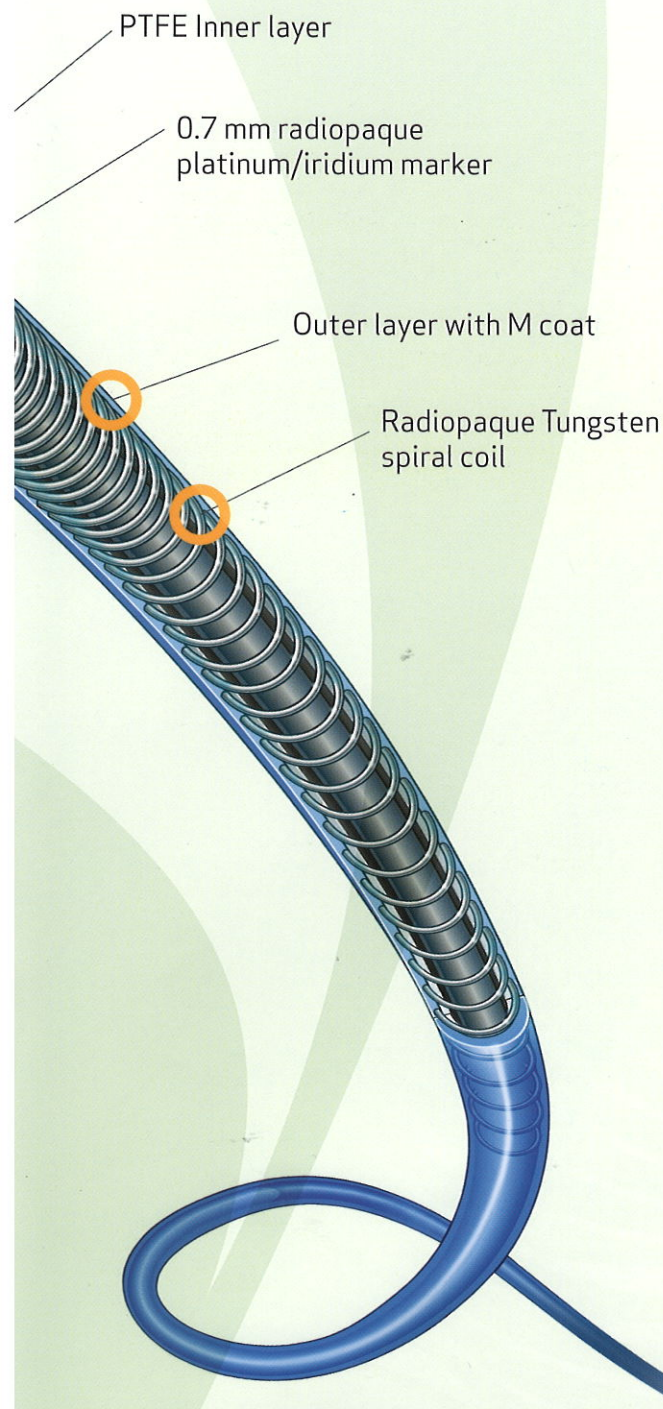
(1) Bench testing done by Terumo Corporation. Data on file (TC-Pro107). Bench test data may not necessarily indicative of clinical performance.  
(2) Data on file.



# HIGH FLOW.

## COMPATIBLE AGENTS:

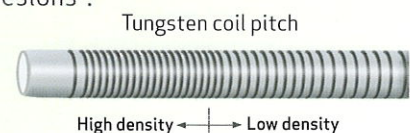
- Pushable coils to 0.018"
- NBCA glue
- Ethanol
- Lipiodol<sup>3</sup>
- Chemoembolization agents (Epirubicin, Cisplatin, Mitomycin, Adriamycin, Zinostatin)
- DMSO (Onyx)<sup>4</sup> and liquid embolic agent
- Microspheres to 900µm
- PVA particles to 700µm
- Any kind of usual contrast media



## ACCURATE

### VARIED COIL PITCH

The varied pitch of the tungsten coil provides microcatheter tip flexibility thus notably increasing its distal selectivity in tortuous and narrow vessels towards distal lesions<sup>1</sup>.



### OPTIMAL VISIBILITY

For rapid and precise positioning, PROGREAT is available with three radiopaque components. The structure of the catheter itself is a radiopaque tungsten coil. A specific 0.7 mm platinum/iridium marker indicates the distal end. In the coaxial version, PROGREAT is delivered with a Radifocus Guidewire GT including a 3 cm gold coil at tip.

### WIRE STOPPER

This device allows **variable protruding length of guidewire** and provides **a perfect control of stability and accessibility** to the targeted lesion.



(3) Lipiodol is a brand name of Guerbet.  
(4) Onyx is a brand name of ev3

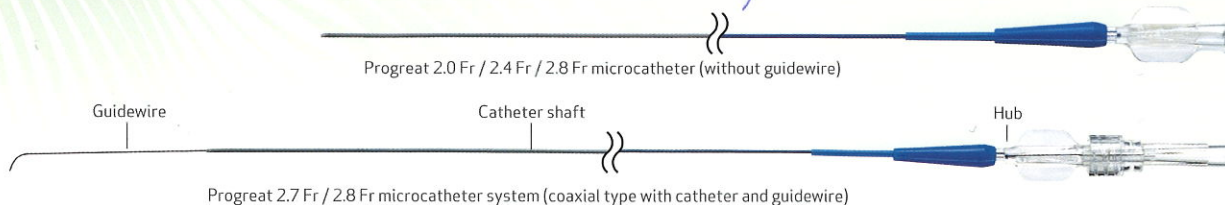


# Progreat®

Microcatheter System for Intravascular Treatment

126 pr.  
125 pr.

122 pr.



## PRODUCT SPECIFICATIONS

Description	Product code	Outer diameter	Length	Inner diameter	Distal curve	0.021" (0.53 mm) Radifocus Guidewire GT	Guidewire compatibility	0.7 mm radiopaque platinum/iridium marker	Maximum pressure	Dead volume (hub + catheter)
Progreat Alpha 2.0 Fr Radiopaque marker	MC-PC2013	2.0 Fr / 0.67 mm	130 cm	0.019" / 0.49 mm	Straight (shapeable)	No	0.016" / (0.41 mm)	1	750 psi / 5171 kPa	0.43 ml
Progreat Alpha 2.0 Fr Radiopaque marker	MC-PC2015	2.0 Fr / 0.67 mm	150 cm	0.019" / 0.49 mm	Straight (shapeable)	No	0.016" / (0.41 mm)	1	750 psi / 5171 kPa	0.43 ml
Progreat 2.4 Fr	MC-PC2413	2.4 Fr / 0.80 mm	130 cm	0.022" / 0.57 mm	Straight (shapeable)	No	0.018" / (0.46 mm)	0	750 psi / 5171 kPa	0.53 ml
Progreat 2.4 Fr Radiopaque marker	MC-PB2413	2.4 Fr / 0.80 mm	130 cm	0.022" / 0.57 mm	Straight (shapeable)	No	0.018" / (0.46 mm)	1	750 psi / 5171 kPa	0.53 ml
Progreat 2.4 Fr	MC-PC2415	2.4 Fr / 0.80 mm	150 cm	0.022" / 0.57 mm	Straight (shapeable)	No	0.018" / (0.46 mm)	0	750 psi / 5171 kPa	0.58 ml
Progreat 2.4 Fr Pre-shape Angle 90°	MC-PX2413	2.4 Fr / 0.80 mm	130 cm	0.022" / 0.57 mm	90° Angle	No	0.018" / (0.46 mm)	0	750 psi / 5171 kPa	0.53 ml
Progreat 2.4 Fr Double markers	MC-PV2415Y	2.4 Fr / 0.80 mm	150 cm	0.022" / 0.57 mm	Straight (shapeable)	No	0.018" / (0.46 mm)	2 (3 cm proximal to distal)	750 psi / 5171 kPa	0.58 ml
Progreat 2.7 Fr Coaxial	MC-PP27111	2.7 Fr / 0.90 mm	110 cm	0.025" / 0.65 mm	Straight (shapeable)	Yes	0.021" / (0.53 mm)	0	750 psi / 5171 kPa	0.57 ml
Progreat 2.7 Fr Coaxial	MC-PP27131	2.7 Fr / 0.90 mm	130 cm	0.025" / 0.65 mm	Straight (shapeable)	Yes	0.021" / (0.53 mm)	0	750 psi / 5171 kPa	0.64 ml
Progreat 2.8 Fr	MC-PC2813	2.8 Fr / 0.93 mm	130 cm	0.027" / 0.70 mm	Straight (shapeable)	No	0.021" / (0.53 mm)	0	900 psi / 6205 kPa	0.68 ml
Progreat 2.8 Fr Coaxial Radiopaque marker	MC-PE28131ZB	2.8 Fr / 0.93 mm	130 cm	0.027" / 0.70 mm	Straight (shapeable)	Yes	0.021" / (0.53 mm)	1	900 psi / 6205 kPa	0.68 ml
Progreat 2.8 Fr Double markers	MC-PV2815Y	2.8 Fr / 0.93 mm	150 cm	0.027" / 0.70 mm	Straight (shapeable)	No	0.021" / (0.53 mm)	2 (3 cm proximal to distal)	900 psi / 6205 kPa	0.73 ml

## RELATED PRODUCTS

**Radifocus® Guidewire GT** The smooth, low-friction and accurate vessel selection performance of the Radifocus Guidewire GT is further enhanced when delivered through a Progreat 2.0 Fr (0.67mm), 2.4 Fr (0.80mm) or 2.8 Fr (0.93mm) microcatheter.

Description	Product code	Outer diameter	length	Flexible tip length	Tip figure
Radifocus Guidewire GT	RG*GA1620FM	0.016" (0.41 mm)	200 cm	35 cm	45° Angled
Radifocus Guidewire GT	RG*GE1620FM	0.016" (0.41 mm)	200 cm	35 cm	90° Angled
Radifocus Guidewire GT	RG*GW1620FM	0.016" (0.41 mm)	200 cm	35 cm	90°+150° Double angled



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