



## Micro Catheter System

Progreat® microcatheter system is designed for therapeutic embolization and angiography in peripheral vessels. It gives control with ease of use, kink resistance and distal flexibility.

### Product Characteristics

- Coaxial Wire Protruding Length 10cm
- Radiopaque gold coil Guidewire
- PTFE inner layer
- 0.7mm radiopaque platinum/iridium marker
- Outer layer with M-Coat
- Radiopaque tungsten spiral coil
- Coaxial System allows fast and smooth procedures through wire integration and easy microcatheter preparation
- Tungsten spiral coil and three layer structure protect inner lumen integrity for smooth delivery of all types of embolic material
- Varied pitch of tungsten spiral coil with Terumo's hydrophilic coating provides flexibility thus notably increasing its distal selectivity in tortuous and narrow vessels

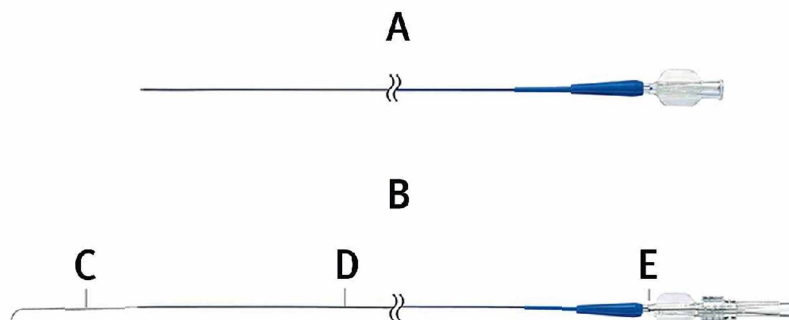
#### Compatible agents:

- Pushable coils to 0.018
- NBCA glue
- Ethanol
- Lipiodol
- Chemoembolization agents (Epirubicin, Cisplatin, Mitomycin, Doxorubicin, Zinostatin)
- Maximum beads size is different for each catheter size
- DMSO
- Any kind of usual contrast media

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

2 Lipiodol is a brand name of Guerbet.

3 Performance testing done by Terumo Corporation. Data on file (TC-Pro108). Physical performance testing on Progreat microcatheter exposed to DMSO under controlled conditions.



- A Progreat 2.0 Fr / 2.4 Fr / 2.7 Fr / 2.8 Fr microcatheter (without guidewire)  
 B Progreat 2.4 Fr / 2.7 Fr / 2.8 Fr microcatheter system (coaxial type with catheter and guidewire)  
 C Guidewire  
 D Catheter shaft  
 E Hub

## General specifications

<b>Catheter Inner Layer</b>	PTFE
<b>Catheter Medium Layer</b>	Radiopaque Tungsten Coil
<b>Catheter Outer Layer</b>	Polyester Elastomer, Polyurethane Elastomer and Pigment
<b>Hydrophilic Coating</b>	M Coat™ Polymer
<b>Guidewire core material (for coaxial versions)</b>	Nitinol
<b>Guidewire outer layer material (for coaxial versions)</b>	Polyurethane Layer Containing Tungsten
<b>Guidewire distal marker (for coaxial versions)</b>	2 or 3 cm Gold Coil
<b>Guidewire Protruding Length (for Coaxial Versions)</b>	10 cm Maximum
<b>Guidewire Core Material (for Coaxial Versions)AC</b>	Nitinol

## Item specifications

Outer Diameter	Length	Inner Diameter	Distal Curve	Guidewire Compatibility	Marker	Maximum pressure	Dead Volume (Hub + Catheter)	Description	Units/Box	Code
2.0 Fr 0.67 mm	110 cm	0.019 in 0.49 mm	Straight (shapeable)	0.016 in 0.41 mm	1	750 psi 5171 kPa	0.28 ml	Progreat 2.0 Fr	-	MC-PC2011
2.0 Fr 0.67 mm	130 cm	0.019 in 0.49 mm	Straight (shapeable)	0.016 in 0.41 mm	1	750 psi 5171 kPa	0.32 ml	Progreat 2.0 Fr	-	MC-PC2013
2.0 Fr 0.67 mm	150 cm	0.019 in 0.49 mm	Straight (shapeable)	0.016 in 0.41 mm	1	750 psi 5171 kPa	0.38 ml	Progreat 2.0 Fr	-	MC-PC2015
2.4 Fr 0.80 mm	110 cm	0.022 in 0.57 mm	Straight	0.018 in 0.46 mm	1	750 psi 5171 kPa	0.38 ml	Progreat 2.4 Fr Coaxial	1	MC- PP24111ZD
2.4 Fr 0.80 mm	110 cm	0.022 in 0.57 mm	Straight	0.018 in 0.46 mm	1	750 psi 5171 kPa	0.38 ml	Progreat 2.4 Fr Coaxial	1	MC- PP24111ZB
2.4 Fr 0.80 mm	110 cm	0.022 in 0.57 mm	Straight (shapeable)	0.018 in 0.46 mm	0	750 psi 5171 kPa	0.38 ml	Progreat 2.4 Fr	-	MC-PC2411
2.4 Fr 0.80 mm	130 cm	0.022 in 0.57 mm	Straight	0.018 in 0.46 mm	1	750 psi 5171 kPa	0.43 ml	Progreat 2.4 Fr Coaxial	1	MC- PP24131ZB
2.4 Fr 0.80 mm	130 cm	0.022 in 0.57 mm	Straight	0.018 in 0.46 mm	1	750 psi 5171 kPa	0.43 ml	Progreat 2.4 Fr Coaxial	1	MC- PP24131ZD
2.4 Fr 0.80 mm	130 cm	0.022 in 0.57 mm	Straight (shapeable)	0.018 in 0.46 mm	0	750 psi 5171 kPa	0.43 ml	Progreat 2.4 Fr	-	MC-PC2413
2.4 Fr 0.80 mm	130 cm	0.022 in 0.57 mm	Straight (shapeable)	0.018 in 0.46 mm	1	750 psi 5171 kPa	0.43 ml	Progreat 2.4 Fr	-	MC-PB2413
2.4 Fr 0.80 mm	130 cm	0.022 in 0.57 mm	90° Angle	0.018 in 0.46 mm	0	750 psi 5171 kPa	0.43 ml	Progreat 2.4 Fr	-	MC-PX2413
2.4 Fr 0.80 mm	150 cm	0.022 in 0.57 mm	Straight	0.018 in 0.46 mm	2	750 psi 5171 kPa	0.47 ml	Progreat 2.4 Fr Coaxial	1	MC- PP24151Z W
2.4 Fr 0.80 mm	150 cm	0.022 in 0.57 mm	Straight	0.018 in 0.46 mm	2	750 psi 5171 kPa	0.47 ml	Progreat 2.4 Fr Coaxial	1	MC- PP24151ZV
2.4 Fr 0.80 mm	150 cm	0.022 in 0.57 mm	Straight (shapeable)	0.018 in 0.46 mm	0	750 psi 5171 kPa	0.47 ml	Progreat 2.4 Fr	-	MC-PC2415
2.4 Fr 0.80 mm	150 cm	0.022 in 0.57 mm	Straight (shapeable)	0.018 in 0.46 mm	2 (3 cm proximal to distal)	750 psi 5171 kPa	0.47 ml	Progreat 2.4 Fr	-	MC- PV2415Y
2.7 Fr 0.90 mm	110 cm	0.025 in 0.65 mm	Straight (shapeable)	0.021 in 0.53 mm	0	750 psi 5171 kPa	0.46 ml	Progreat 2.7 Fr Coaxial	-	MC- PE27111
2.7 Fr 0.90 mm	110 cm	0.025 in 0.65 mm	Straight (shapeable)	0.021 in 0.53 mm	0	750 psi 5171 kPa	0.46 ml	Progreat 2.7 Fr Coaxial	-	MC- PE27115
2.7 Fr 0.90 mm	110 cm	0.025 in 0.65 mm	Straight (shapeable)	0.021 in 0.53 mm	0	750 psi 5171 kPa	0.46 ml	Progreat 2.7 Fr Coaxial	1	MC- PP27111
2.7 Fr 0.90 mm	130 cm	0.025 in 0.65 mm	Straight (shapeable)	0.021 in 0.53 mm	0	750 psi 5171 kPa	0.53 ml	Progreat 2.7 Fr Coaxial	1	MC- PE27131
2.7 Fr 0.90 mm	130 cm	0.025 in 0.65 mm	Straight (shapeable)	0.021 in 0.53 mm	0	750 psi 5171 kPa	0.53 ml	Progreat 2.7 Fr Coaxial	1	MC- PP27131
2.7 Fr 0.90 mm	150 cm	0.025 in 0.65 mm	Straight (shapeable)	0.021 in 0.53 mm	0	750 psi 5171 kPa	0.59 ml	Progreat 2.7 Fr	-	MC-PC2715
2.7 Fr 0.90 mm	150 cm	0.025 in 0.65 mm	Straight (shapeable)	0.021 in 0.53 mm	0	750 psi 5171 kPa	0.59 ml	Progreat 2.7 Fr Coaxial	1	MC- PP27151
2.8 Fr 0.93 mm	130 cm	0.027 in 0.70 mm	Straight (shapeable)	0.021 in 0.53 mm	0	900 psi 6205 kPa	0.59 ml	Progreat 2.8 Fr	-	MC-PC2813

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Outer Diameter	Length	Inner Diameter	Distal Curve	Guidewire Compatibility	Marker	Maximum pressure	Dead Volume (Hub + Catheter)	Description	Units/Box	Code
2.8 Fr 0.93 mm	130 cm	0.027 in 0.70 mm	Straight (shapeable)	0.021 in 0.53 mm	0	900 psi 6205 kPa	0.59 ml	Progreat 2.8 Fr	-	MC- PE28131
2.8 Fr 0.93 mm	130 cm	0.027 in 0.70 mm	Straight (shapeable)	0.021 in 0.53 mm	0	900 psi 6205 kPa	0.59 ml	Progreat 2.8 Fr	1	MC- PP28131
2.8 Fr 0.93 mm	130 cm	0.027 in 0.70 mm	Straight (shapeable)	0.021 in 0.53 mm	1	900 psi 6205 kPa	0.59 ml	Progreat 2.8 Fr	-	MC- PE28131ZB
2.8 Fr 0.93 mm	150 cm	0.027 in 0.70 mm	Straight (shapeable)	0.021 in 0.53 mm	2 (3 cm proximal to distal)	900 psi 6205 kPa	0.66 ml	Progreat 2.8 Fr	-	MC- PV2815Y
2.8 Fr 0.93 mm	150 cm	0.027 in 0.70 mm	Straight (shapeable)	0.021 in 0.53 mm	2 (3 cm proximal to distal)	900 psi 6205 kPa	0.66 ml	Progreat 2.8 Fr Coaxial	1	MC- PE28151ZV