

TERUMO INTERVENTIONAL SYSTEMS

ACCESS | PCI | IO-EVT

CATALOGUE





**TERUMO
INTERVENTIONAL
SYSTEMS**
ACCESS | PCI | IO-EVT
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About Us

Terumo India is a fast-growing medical devices company that serves to advance access to high-quality Cardiac & Vascular, and other medical devices for patients and medical practitioners in India. Terumo India is part of Terumo Corporation, a global leader in medical technology with headquarters in Tokyo, Japan. Established in 1921 and with its 100 years of history, Terumo's starting point and unchanging corporate mission has been 'Contributing to Society through Healthcare'.

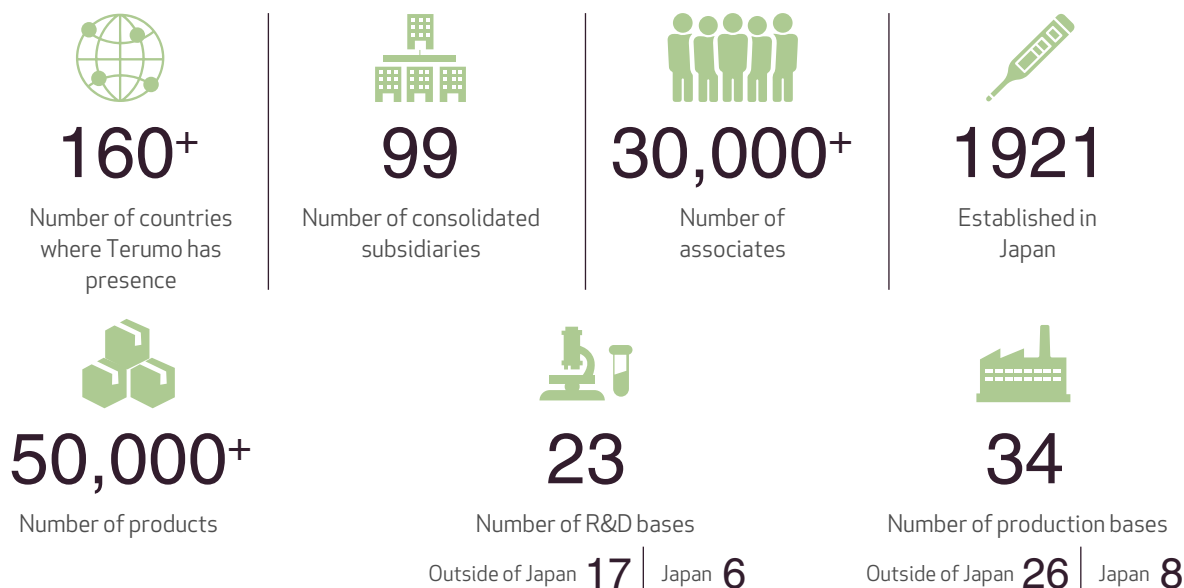
Terumo India was established in 2013 with headquarters in Gurgaon, NCR Delhi and has since grown to touch over 100,000 lives with an expanding field force & distribution network. Terumo India is Great Place to Work® certified and has also been recognised as one of India's Top 15 Workplaces™ in Pharmaceuticals, Healthcare and Biotech 2022. The company runs several acclaimed training & development programs, working closely with its customers and academic partners to contribute to the skilling requirements of India's healthcare system.

The company has received the 'Great place to work' certification in 2021, 2022 & 2024.

Terumo India at a Glance



Terumo Group at a Glance



Who We Are?

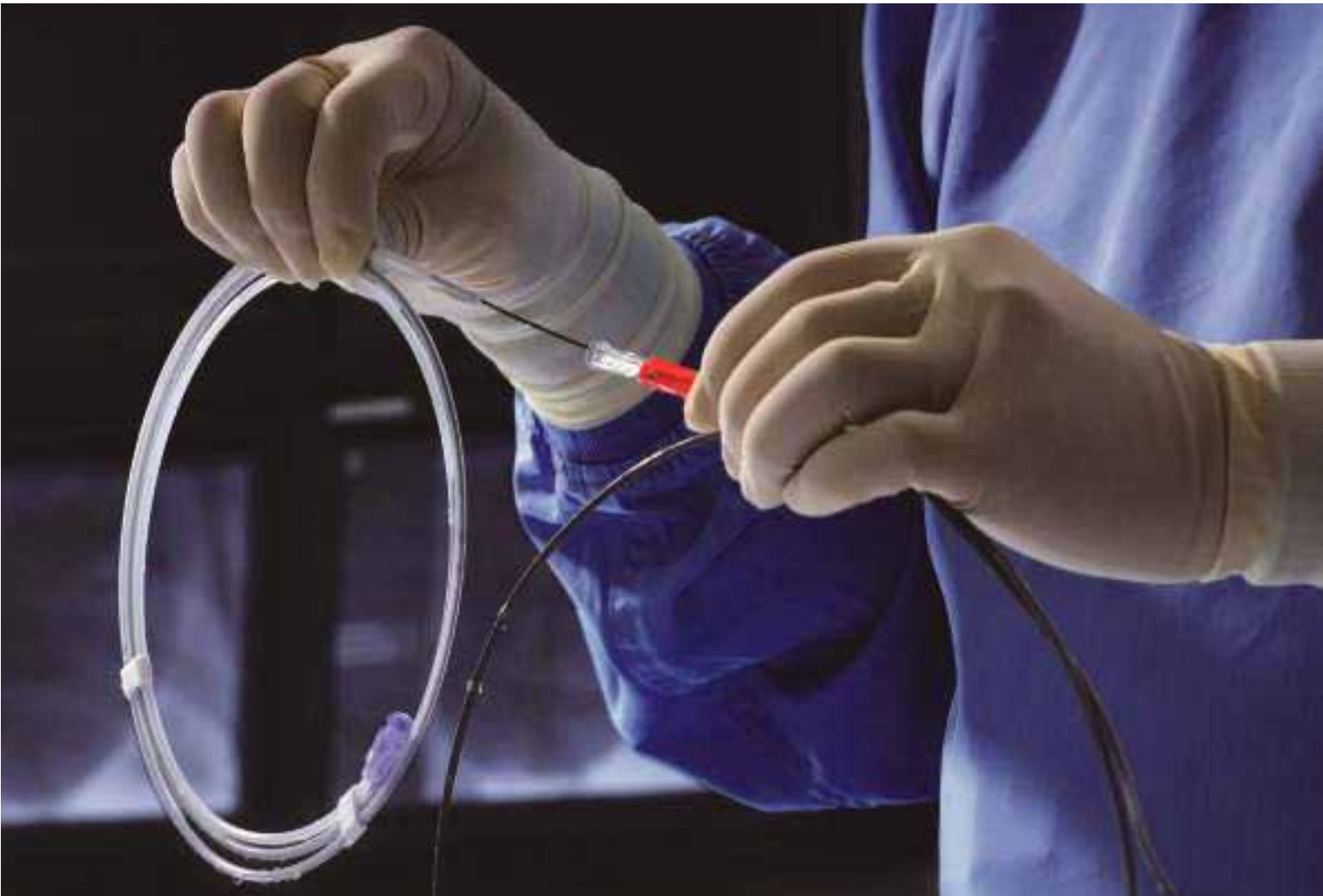
Terumo India Private Limited is committed to its global corporate mission of 'Contributing to Society through Healthcare' and strives daily to promote access of its high-quality devices to Indian patients and medical practitioners. Firmly committed to the slogan of 'Associate Spirit', it drives enablement of its Associates' abilities to contribute meaningfully to customers and their patients.

In India, Terumo has made its mission to bring new value to the ever-changing medical settings, and to patients who await vital care. Terumo India aims to continuously support and safeguard the precious lives of patients and their loved ones through its products and services, educational programs, and various CSR activities.

PUSHING BOUNDARIES

At Terumo Interventional Systems (TIS), we believe that collaboration sparks progress and pushes boundaries.

We deliver unmatched solutions around the globe, including best-in-class products, clinical education & training, and health economics insights.



TIS offers diagnostic and therapeutic catheter products used to treat illnesses in areas such as the coronary and the peripheral artery.

The business has also promoted the Transradial Intervention (TRI), which accesses blood vessels from the radial artery, which can reduce patient burden compared to other access sites. Previously, TRI was used primarily for the coronary intervention, but in recent years TIS has worked to develop optimal products for using TRI in peripheral and interventional oncology areas as well, contributing to the advancement of interventional treatment.

OUR STRATEGIC FOCUS:

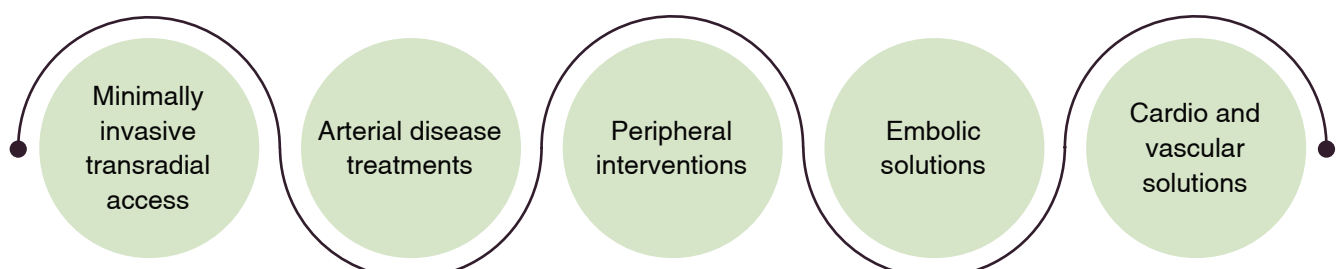


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IO-EVT - Angiographic Catheters

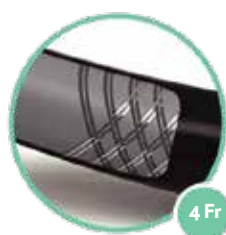
RADIFOCUS™ *Glidecath*™

Hydrophilic Coated Catheter

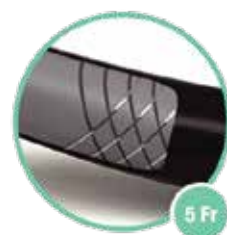


Key Features

- ▶ Effortlessly navigate challenging vessel anatomy with smooth tracking enabled by Mcoat™, boasting improved kink resistance for optimal flow rates in diagnostic imaging.



Single-Braided (5F)
Reach distal visceral vessels with best-in-class **trackability** and **torqueability**



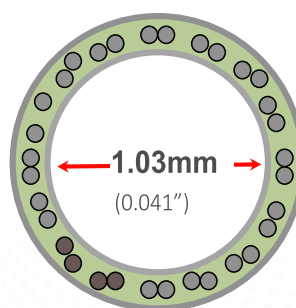
Double-Braided (4F)
Access and cross challenging lesions with excellent **pushability** and **torqueability**

Shapes	Artery
Straight	Iliac artery
Angle	Iliac artery
Cobra	Celiac artery, Renal artery
J-tip	Iliac artery
Multipurpose	Iliac artery
Simmons	Celiac artery, Hepatic artery
Headhunter	Brachiocephalic artery
Mani	Left subclavian artery
Yashiro	Renal artery

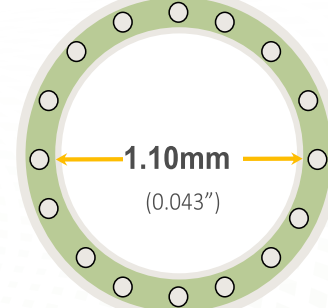
C. Flowrates (ml/sec)

Cath Length	4 French	4 French	5 French	5 French
Max. Psi	80 cm	100 cm	80 cm	100 cm
300 Psi	6	5	7	6
450 Psi	8	7	10	8
600 Psi	10	9	11	10
750 Psi	13	12	14	12
900 Psi			16	14
1000 Psi			17	15










4Fr



5Fr



Glidecath Shape and Specifications

Type		Shape	Length	Product Code		
				4F	5F	
Cobra		Curve 1	65cm	RF*ZB4410GM	RF*XB4510GM	For Abdominal
			80cm	RF*ZB44108M	RF*XB45108M	
		Curve 2	65cm	RF*ZB5410GM	RF*XB5510GM	
			80cm	RF*ZB54108M	RF*XB55108M	
			100cm	RF*ZB54110M	RF*XB55110M	
		Curve 3	65cm	RF*ZB6410GM	RF*XB6510GM	
			80cm	RF*ZB64108M	RF*XB65108M	
Straight			65cm	RF*ZM7410GM		
			100cm	RF*ZM74110M		
			120cm	RF*ZM74112M		
J-Tip			65cm	RF*ZD4410GM		
Angle		Long Angle	65cm		RF*XL9510GM	
			100cm		RF*XL95110M	
Yashiro			70cm		RF*XG95107M	
			100cm		RF*XG95110M	
Multipurpose			100cm		RF*XW35110M	
Simmons Slidewinder		Sim 1	100cm	RF*WA14110M	RF*YA15110M	For Neuro
		Sim 2	100cm	RF*WA24110M	RF*YA25110M	
		Sim 3	100cm	RF*WA34110M	RF*YA35110M	
Hinck Headhunter			80cm		RF*XB15108M	
			100cm	RF*WB14110M	RF*YB15110M	
Mani			100cm	RF*WG14110M	RF*YG15110M	
Vertebral			100cm	RF*WH14110M	RF*YH15110M	
			120cm	RF*WH14112M		

RADIFOCUS™ *Glidecath*™

R.A.V.I. MG1/MG2 ENGAGE AND DELIVER



Key Features

Trackability

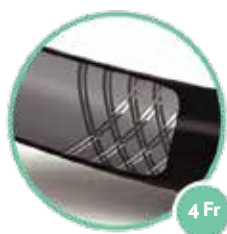
For navigating tortuous anatomy, utilizing its capability to deliver devices via a nylon-rich inner layer

Torqueability

For precise control in engaging acute vessels, facilitated by a double-braided design

Lubricity

For navigating challenging vasculature, enhanced by Terumo Glide Technology™



Double-braided design facilitates access and crossing of challenging lesions with **excellent torqueability, ensuring reliable device delivery** via a nylon-rich inner layer

RADIFOCUS™ Glidecath™ R.A.V.I. MG1 and MG2 feature **tip shapes optimized for radial access, delivering the performance needed** for visceral and pelvic interventions



RADIFOCUS™ GLIDECATH™ R.A.V.I. MG1 and MG2

Product Code	French Size	Length	Tip Shape	Hydrophilic Coating
RF*ZRV411CM	4Fr	125 cm	MG1	Distal 15 cm
RF*ZUF411DJM	4Fr	135 cm	MG2	Distal 40 cm
RF*ZUF4115JM	4Fr	150 cm	MG2	Distal 40 cm

RADIFOCUS™ GLIDECATH™ R.A.V.I. MG1 and MG2 Specifications

	4Fr
Effective Lengths	125 cm, 135 cm, 150 cm
Construction	Double-braided Stainless Steel
Inner Diameter	0.041"/1.03 mm
Guidewire Compatibility	0.0038"/0.97 mm
Maximum Injection Pressure	750 psi
Hydrophilic Coating	Distal 15 cm and 40 cm



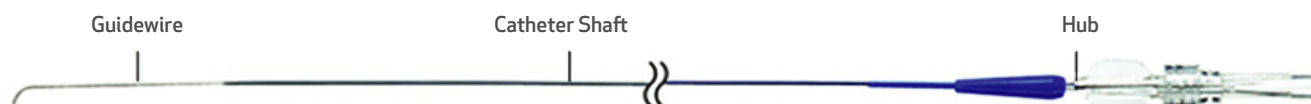
IO-EVT - Micro Catheters

Progreat™

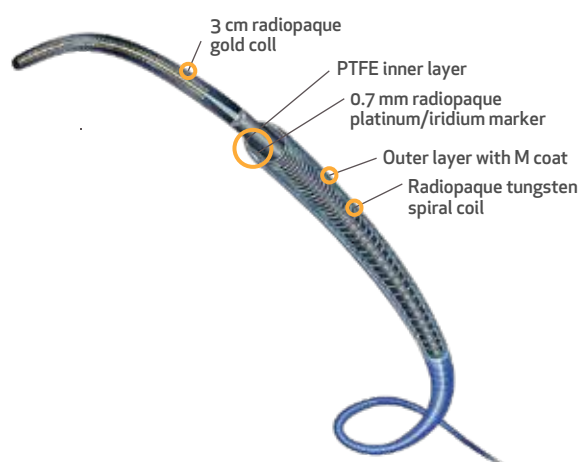
QUICK SLICK **ACCURATE**



Key Features



Progreat™ 2.4 Fr/2.7 Fr microcatheter system (Coaxial type with catheter and guidewire)



Coaxial system

Enables swift procedures via wire integration and simple micro catheter preparation

Smooth delivery of embolic materials

Kink resistance enhanced by tungsten spiral coil within a three-layer structure ensures intact inner lumen

Enhanced distal flexibility

Achieved through Mcoat™ and varied coil pitch, improving distal selectivity in tortuous and narrow vessels

To activate the coaxial wire's hydrophilic coating and lubricate the inner lumen of Progreat™, allow more than 10 drops to exit from the microcatheter tip

Fast Flushing (Coaxial Type)



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

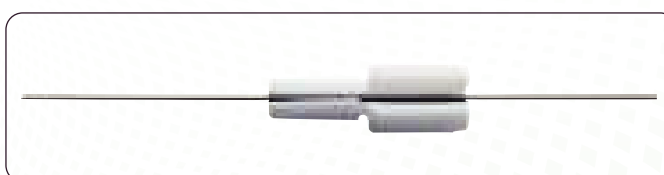
Tungsten coil pitch



High density ← → Low density

The varied pitch of the **tungsten coil enhances microcatheter tip flexibility**, notably improving distal selectivity in tortuous and narrow vessels for targeting distal lesions

This device enables variable protruding length of guidewires, **offering precise control over stability and accessibility in target lesions**



Item specifications

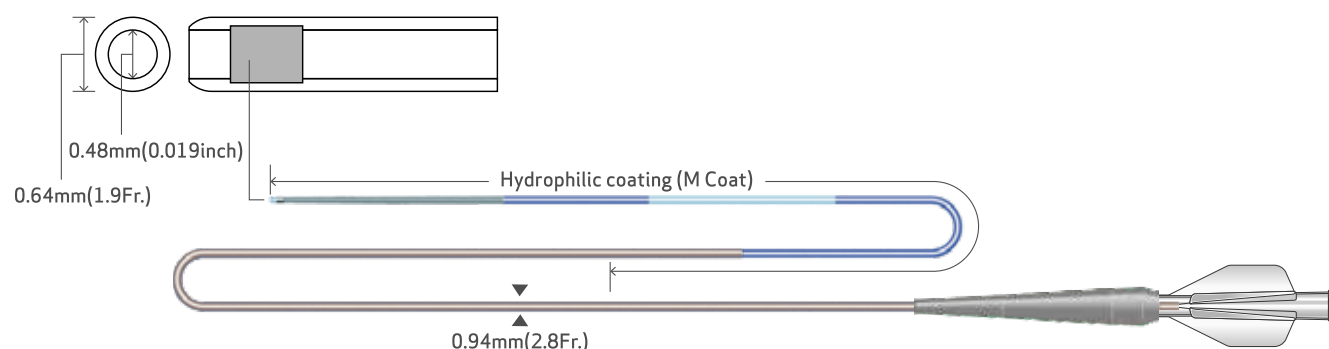
Product Code	Description	System	Effective Length (cm)	Catheter I.D. (mm/inch)	Marker	GW Compatibility (Inch)	Core Wire (inch)	Shape of Core Wire	Max. Pressure
MC-PP24131ZD	Progreat 2.4 Fr x 130 cm	coaxial	130	0.57mm/0.22"	single	0.018"	0.018"	Double angle preshaped	750psi
MC-PP24151ZV	Progreat 2.4 Fr x 150 cm	coaxial	150	0.57mm/0.22"	double	0.018"	0.018"	Double angle preshaped	750psi
MC-PP27131	Progreat 2.7 Fr x 130 cm	coaxial	130	0.65mm/0.025"	single	0.021"	0.021"	70°Angle preshaped	750psi
MC-PE27151	Progreat 2.7 Fr x 150 cm	coaxial	150	0.65mm/0.025"	single	0.021"	0.021"	70°Angle preshaped	750psi

Progreat λ ™

MASTER **ULTRA BRANCH SELECTIVITY**



Key Features

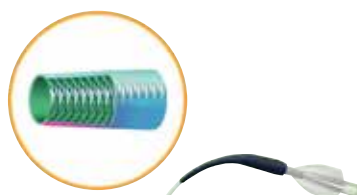


► Branch selectivity, Anti-kick-back, Anti-kinking and high-flow

Densely-pitched asymmetric braids maintain the inner lumen for consistent embolization



Tapered inner lumen



Tip design to enhance flexibility



Compatible Agents

- Embolic coils to 0.018" (1.9 Fr. only)
- Microspheres to 500 μ m
- Chemoembolization agents (Epirubicin, Cisplatin, Miriplatin, Doxorubicin)
- Ethanol
- Lipiodol
- Any kind of usual contrast media
- PVA particles to 500 μ m
- DMSO

Item Specifications (Progreat λ ™)

Product Code	Usable Length	Outer Diameter		Inner Diameter		Max. Guidewire Diameter	Tip Shape	Max. Pressure
		Distal	Proximal	Distal	Proximal			
CC-M1913SN	130cm	0.64mm (1.9Fr.)	0.94mm (2.8Fr.)	0.48mm (0.019inch)	0.60mm (0.024inch)	0.41mm (0.016inch)	Straight	6205kPa (900psi)
CC-M1913DN							Triple Angle	
CC-M1915SN							Straight	
CC-M1915DN	150cm						Triple Angle	

Micro Catheters

Product	Usable Length (cm)	Contrast Media	Iodine Content (mg/mL)	Viscosity (cP)	Set Condition		Actual Flow Rate (mL/sec)			Dead Space Volume (mL)
					Flow Rate (mL/sec)	Volume (mL)	4137kPa (600psi)	5171kPa (750psi)	6205kPa (900psi)	
1.9Fr (0.64/0.94mm)	130	Iopamidol	300	4.4	5.0	15	2.0	2.5	2.9	0.58
			370	9.1			1.1	1.4	1.8	
	150		300	4.4			1.8	2.2	2.6	0.63
			370	9.1			0.9	1.2	1.5	

The actual flow rate may differ from the measured value due to changes in the viscosity of the contrast media in different conditions.

New Guidewire GT Specification

Product Code	Outer Diameter	Length	Flexible Length	Distal Curve
RG*GA1618SM	0.016inch (0.41mm + 0.02mm)(*)	180cm	25cm	Angled 45°
RG*GE1618SM				Angled 90°
RG*GW1618SM				Double Angled 90°+150°
RG*GA1620SM		200cm		Angled 45°
RG*GA1620SM				Angled 90°
RG*GW1620SM				Double Angled 90°+150°

(*) Nominal OD + upper tolerance, reflecting Maximal OD



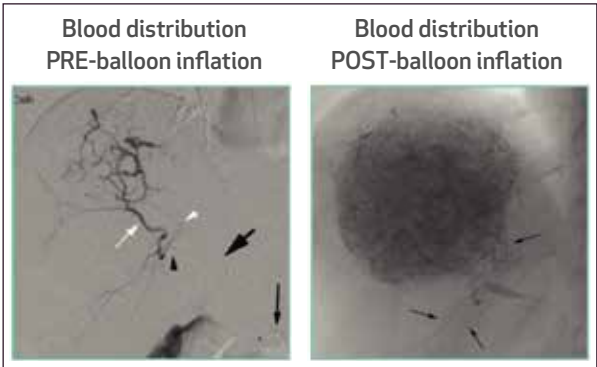
IO-EVT - Micro Balloon Catheter

Occlusafe™

OPTIMIZING DYNAMICS



Key Features



Flow Redistribution leads to a higher Response Rate compared to C-TACE		
	B-TACE (n = 49)	C-TACE (n = 48)
Complete Response	27 (55.1%)	19 (39.6%)
Partial Response	19 (38.8%)	16 (33.3%)
Tumour Progression	1 (2.0%)	1 (2.1%)
Unassessed	2 (4.1%)	12 (25.0%)
P < 0.05. C-TACE, conventional transcatheter arterial chemoembolization		

Flow redistribution

Occlusafe™ balloon occlusion redistributes blood flow, enhancing therapeutics accumulation in target lesions while minimizing off-target embolization

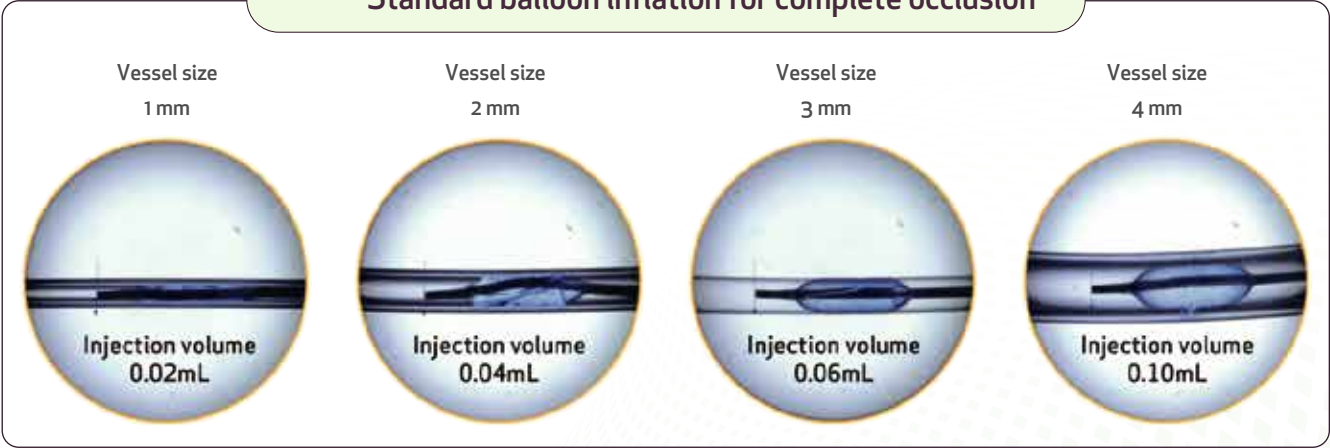
Accurate navigability

Allows for super-selective positioning with Terumo hydrophilic coating

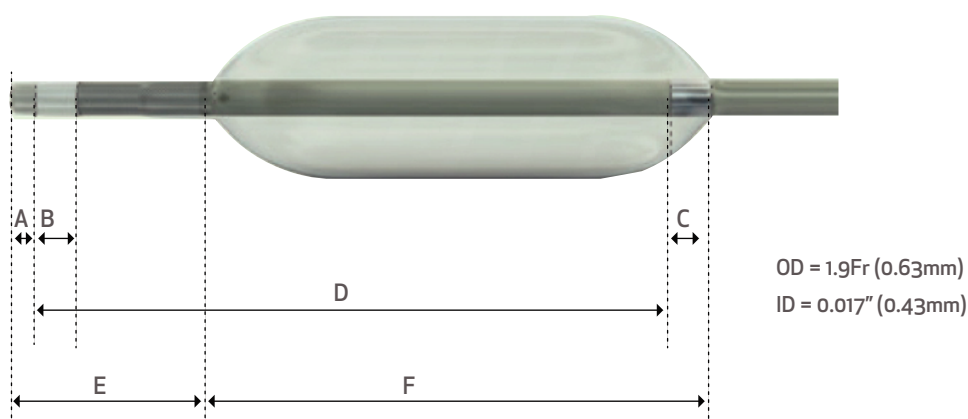
No reflux

Complete occlusion prevents back-flow and non-target embolization

Standard balloon inflation for complete occlusion



Micro Balloon Catheter



Two RO markers on the distal and proximal part of balloon enable to put on the precise position.

A.	Distal tip length	0.5 mm
B.	Distal marker length	0.65 mm
C.	Proximal marker length	0.65 mm
D.	Length between markers	12 mm
E.	Length between distal tip to balloon tip	3.5 mm
F.	Balloon length	10 mm

Item Specifications

Item Code	Outer Diameter Dis/Pro	Length	Dead Volume Space	
			Main lumen	Inflation lumen
OB*T41340N	2.7 Fr / 2.8 Fr (0.90 mm / 0.94 mm)	130 cm	0.27 ml	0.34 ml
OB*T41540N		150 cm	0.30 ml	0.36 ml

Including connector part.

RADIFOCUS®
Guide Wire GT
With Gold Coil

Item Code	Outer Diameter	Length	Flexible Length	Distal Curve
RG*GA1418SM	0.014" / 0.036 mm	180 cm	25 cm	Angled 45° x 4 mm
RG*GA1420SM	0.014" / 0.036 mm	200 cm	25 cm	Angled 45° x 4 mm
RG*GE1418SM	0.014" / 0.036 mm	180 cm	25 cm	Angled 90° x 4 mm
RG*GE1420SM	0.014" / 0.036 mm	200 cm	25 cm	Angled 90° x 4 mm
RG*GW1418SM	0.014" / 0.036 mm	180 cm	25 cm	Double Angled 90° + 150°
RG*GW1420SM	0.014" / 0.036 mm	200 cm	25 cm	Double Angled 90° + 150°



IO-EVT - Embolization Beads

LifePearl™

Drug-Elutable Beads for embolisation

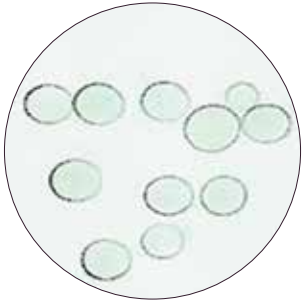
BECAUSE **EXPERIENCE** MATTERS

Key Features

New formulation: Polyethylene Glycol (PEG)
makes LifePearl™ **resilient to stress & attrition**

Enhanced suspension: PEG material reduces time to
suspension while maximizing suspension duration




Tight calibration: Allows more **controlled**
chemoembolization



**SYRINGE
PRESENTATION**

Easy to use format

Ordering Information

LifePearl Sizes (µm)	Volume of Microspheres (ml)	Volume of PBS (ml)	Product Codes	Colour
100 ± 25	2	4	8LP2S100	Black 
200 ± 50	2	4	8LP2S200	Yellow 
400 ± 50	2	4	8LP2S400	Blue 



IO-EVT - D.N.A. Solution

ADVANTAGES OF SIMPLIFIED
PERIPHERAL LESION ACCESS

D.N.A. solution



The image displays three medical devices against a white background with green decorative patterns. The **Destination** Guiding Sheath is a green, flexible tube with a blue tip. The **NaviCross** Support Catheter is a black, flexible tube with a white band. The **Glidewire Advantage** Guide Wire is a thin, black wire with a red tip. Each device is shown in a curved, S-shape.

Destination[™]
Guiding Sheath

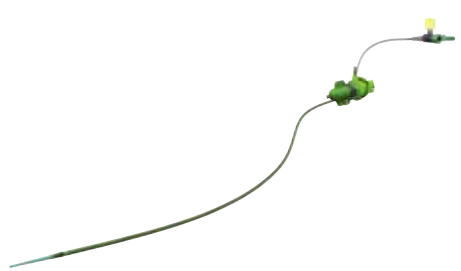
NaviCross[™]
Support Catheter

Glidewire Advantage[™]
Guide Wire

Destination™

Guiding Sheath

GUIDE YOU TO YOUR **DESTINATION** WITH
CONSISTENT RELIABILITY



Key Features

Safe vessel access

Atraumatic tip and smooth transition minimize potential for vessel damage



Smooth approach

Flexible shaft and hydrophilic coating on distal end enhance trackability

Stable device support

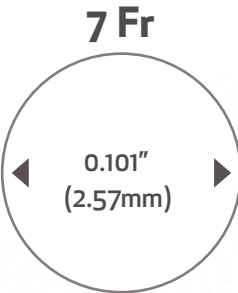
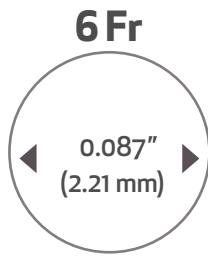
Coil reinforced tubing and PTFE inner layer minimize friction
Stainless steel coil maintains the lumen even in tortuous vessels



Stainless coil maintains the lumen even in flexural area
























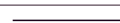
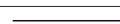

















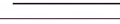



Outer layer
Nylon outer layer enables shaft flexibility

Technical Specifications



Item Specifications

Packed 1 per box and includes dilator. All dilators are 0.038" wire compatible.

French Size	Products Code	Length (cm)	Hydrophilic Coating Length (cm)	Valve Type	Curve Style	Curve type
5Fr	54-54501	45	35	Cross-cut	Straight	
	54-54502	45	5	Cross-cut	Hockey Stick	
	54-54503	45	5	Cross-cut	Multi-Purpose	
	54-54504	45	5	Cross-cut	RDC	
6Fr	54-64501	45	35	Cross-cut	Straight	
	54-64506	45	35	Tuohy-Borst	Straight	
	RSR01	45	5	Cross-cut	Straight	
	RSR02	45	5	Cross-cut	Hockey Stick	
	RSR03	45	5	Cross-cut	Multi-Purpose	
	RSR07	45	5	Tuohy-Borst	Straight	
	RSR08	45	5	Tuohy-Borst	Hockey Stick	
	RSR09	45	5	Tuohy-Borst	Multi-Purpose	
	RSR13	45	5	Cross-cut	RDC	
	RSR14	45	5	Cross-cut	LIMA	
	RSR17	45	5	Tuohy-Borst	RDC	
	RSR18	45	5	Tuohy-Borst	LIMA	
	RSP01	65	35	Cross-cut	Straight	
	RSP03	65	35	Tuohy-Borst	Straight	
	RSC01	90	15	Tuohy-Borst	Straight	
	RSC03	90	15	Tuohy-Borst	Multi-Purpose	
	RSC05	90	15	Cross-cut	Straight	
	RSC07	90	15	Cross-cut	Multi-Purpose	
7Fr	54-74501	45	35	Cross-Cut	Straight	
	54-74506	45	35	Tuohy-Borst	Straight	
	RSR04	45	5	Cross-Cut	Straight	
	RSR05	45	5	Cross-Cut	Hockey Stick	
	RSR06	45	5	Cross-Cut	Multi-Purpose	
	RSR10	45	5	Tuohy-Borst	Straight	
	RSR11	45	5	Tuohy-Borst	Hockey Stick	
	RSR12	45	5	Tuohy-Borst	Multi-Purpose	
	RSR15	45	5	Cross-Cut	RDC	
	RSR16	45	5	Cross-Cut	LIMA	
	RSR19	45	5	Tuohy-Borst	RDC	
	RSR20	45	5	Tuohy-Borst	LIMA	
	RSP02	65	35	Cross-Cut	Straight	
	RSP04	65	35	Tuohy-Borst	Straight	
	RSC02	90	15	Tuohy-Borst	Straight	
	RSC04	90	15	Tuohy-Borst	Multi-Purpose	
	RSC06	90	15	Cross-Cut	Straight	
	RSC08	90	15	Cross-Cut	Multi-Purpose	
8Fr	54-84501	45	35	Cross-Cut	Straight	
	54-84506	45	35	Tuohy-Borst	Straight	
	54-86501	65	35	Cross-Cut	Straight	
	54-86506	65	35	Tuohy-Borst	Straight	
	54-89001	90	60	Cross-Cut	Straight	
	54-89006	90	60	Tuohy-Borst	Straight	

NaviCross™

Support Catheter

NAVIGATE COMPLEX PROCEDURES
WITH CONFIDENCE



Key Features

Robust wire support

Smooth guidewire-to-catheter transition provides increased wire support, which may increase lesion crossability

Strong pushability

Double-braided stainless steel design runs the length of the device, giving optimal column strength without the disadvantage of distal to proximal tapering

Great crossability

Hydrophilic coating and tapered distal tip provide better crossability in simple or complex lesions

Straight and angled **tips facilitate access** to vascular branches, including below-the-knee (BTK) collaterals



Tapered tip ensures **smooth transition** from guidewire to catheter, easing lesion access and crossing

Ordering Information

Product Code	Wire Compatibility	Total Length	Angled
PN*NS18153HM	0.018"	150 cm	Straight
PN*NA18153HM	0.018"	150 cm	Angle
WS*NA350N3HM	0.035"	135 cm	30° Angle

Glidewire Advantage™

OFFERS YOU AN **ADVANTAGE** FROM ACCESS TO TREATMENT



Key Features

High durability

Shape retention capability of nitinol core provides high durability



Improved steerability

The spiral PTFE structure acts as a grip for better handling and navigational control



Stable device support

A stiff proximal core provides device support even in complex anatomies



Item Specifications

Product Code	Diameter	Total Length	Distal Hydrophilic Coating	Flexible Tip Length (taper)	Tip Shape
RA*CA35265CM	0.035"	260cm	25cm	5cm	Angle
RA*FA14301CM	0.014"	300cm	25cm	1cm	Angle
RA*FA18301CM	0.018"	300cm	25cm	1cm	Angle



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.

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