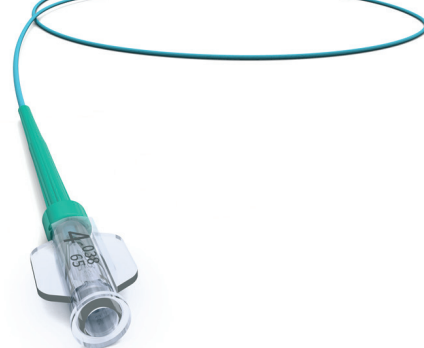


RADIFOCUS® Optitorque®

Angiographic Catheter



An angiographic or diagnostic catheter is intended for use in angiographic procedures. It delivers radiopaque media and therapeutic agents to selected sites in the vascular system. It is also used to lead a guidewire or a catheter into the target site. Radifocus Optitorque, a complete line of coronary diagnostic catheters with optimum torque control and precise placement for smooth angiographic procedures.

Product Characteristics

- High-torque design, precised manipulation¹
- The Tiger and BLK curves enable angiography of right and left coronary arteries using either radial or brachial approach - The single catheter concept decreases procedure and fluoroscopy time²

¹ Terumo data on file. Reference RF55GB-0805MD-I5(0805)E. Measurement of distal rotation angle relative to the proximal rotation angle – comparison single mesh catheters vs Radifocus Optitorque.
² Seong-Man Kim et al, 2005. Novel Diagnostic Catheter specifically designed for both coronary arteries via the right transradial approach. The International Journal of Cardiovascular Imaging. 2005, 10.007/s10554-005-9029-8.

General Specifications

Pressure limit	4 Fr (1.40 mm) – 750psi / 5 Fr (1.70 mm) – 1000 psi	
Guidewire compatibility	0.038" (0.97 mm)	
Outer diameter of the shaft (Fr/mm)	4 Fr / 1.40 mm	5 Fr / 1.70 mm
Inner diameter of the shaft (Inches / mm)	0.041" / 1.05 mm	0.047" / 1.22 mm

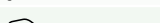
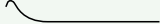
Item Specifications

Visceral shapes

Shape name	Tip shape	Length	Side holes	Item code by size	
				4 Fr / 1.40 mm	5 Fr / 1.70 mm
Cobra Small		65 cm	0	RH-AB4410GM	RH-AB4510GM
Cobra Small		80 cm	0	RH-AB44108M	RH-AB45108M
Cobra Middle		65 cm	0	RH-AB5410GM	RH-AB5510GM
Cobra Middle		80 cm	0	RH-AB54108M	RH-AB55108M
Cobra Large		80 cm	0	RH-AB64108M	RH-AB65108M
J curve Small		65 cm	0	RH-AD6410GM	RH-AD6510GM
J curve Middle		65 cm	0	RH-AD5410GM	RH-AD5510GM
J curve Large		65 cm	0	RH-AD4410GM*	-
Simmons / Sidewinder 1		80 cm	0	RH-AE44108M	RH-AE55108M
Simmons / Sidewinder 1		65 cm	0	RH-AE4410GM	RH-AE4510GM
Simmons / Sidewinder (Type SJ)		65 cm	0	-	RH-AED510GM
Shepherd Hook 0.8 cm	-	65 cm	0	-	RH-AC3510GM*
Shepherd Hook 1.0 cm	-	65 cm	0	RH-AC4410GM	RH-AC4510GM*
Mikaelsson 1	-	100 cm	0	-	RH-AF15110M
Headhunter 9.5 cm	-	110 cm	0	RH-ABP4111M*	RH-ABP5111M*
BPH 19 cm	-	90 cm	0	-	RH-APC5109M*
UFE 19 cm	-	80 cm	0	-	RH-AUB5108M

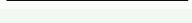
Please quote above item reference codes when placing an order. Other code numbers are available on special demand.
 *This product may have additional lead time. Please contact your local Terumo contact for more information.

Cerebral shapes

Shape name	Tip shape	Length	Side holes	Item code by size	
				4 Fr / 1.40 mm	5 Fr / 1.70 mm
Simmons / Sidewinder 1		100 cm	0	RH-BA14110M	-
Simmons / Sidewinder 2		100 cm	0	RH-BA24110M	RH-BA25110M
Simmons / Sidewinder 3		100 cm	0	RH-BA34110M	RH-BA35110M
Hinck headhunter 1		100 cm	0	RH-BB14110M	RH-BB15110M
Hinck headhunter 3		100 cm	0	RH-BB24110M*	-
Newton technique 1		100 cm	0	RH-BC14110M*	-
Bentson-Hanafee-Wilson 1		100 cm	0	RH-BE14110M	RH-BE15110M*
Bentson-Hanafee-Wilson 2		100 cm	0	RH-BE24110M	RH-BE25110M
MANI		100 cm	0	RH-BG14110M*	RH-BG15110M
Vertebral		100 cm	0	RH-BH14110M	RH-BH15110M
Vertebral (Short Tip)		100 cm	0	-	RH-BHB5110M
Medular Chiras I Small	-	100 cm	0	-	RH-BR85100M*
Medular Chiras II Medium	-	100 cm	0	-	RH-BR75100M*
Medular Chiras III Large	-	100 cm	0	-	RH-BR95100M*

Please quote above item reference codes when placing an order. Other code numbers are available on special demand.
 *This product may have additional lead time. Please contact your local Terumo contact for more information.

Flush catheters

Shape name	Tip shape	Length	Side holes	Item code by size	
				4 Fr / 1.40 mm	5 Fr / 1.70 mm
Straight Pigtail		65 cm	6	RH-4SP006GM	RH-5SP006GM
Straight Pigtail		80 cm	6	RH-4SP0068M	-
Straight Flush		65 cm	6	RH-4ST016GM	-
Straight Flush		110 cm	6	RH-4ST0161M*	-

Unit per box: 5pcs.

Please quote above item reference code when placing an order

*This product may have additional lead time. Please contact your local Terumo contact for more information.

Bolia mini catheter

Shape name	Tip shape	Length	Side holes	Item code by size	
				4 Fr / 1.40 mm	5 Fr / 1.70 mm
Bolia Mini Catheter	-	20 cm	0	-	RH-BH94102M*

Unit per box: 5pcs.

Please quote above item reference code when placing an order

*This product may have additional lead time. Please contact your local Terumo contact for more information.



An angiographic or diagnostic catheter is intended for use in angiographic procedures. It delivers radiopaque media and therapeutic agents to selected sites in the vascular system. It is also used to lead a guidewire or a catheter into the target site. The OUTLOOK 4 Fr (1.40mm) has a large lumen to allow contrast media to be injected at high flow rates and is designed towards exhibit good torque control.¹

The catheter inserter on the pigtail catheter, can be used to straighten the catheter tip for easier insertion into the sheath. After catheter insertion, it can be peeled off the catheter. Fixed, strain relief, prevents the catheter from kinking at its proximal end.

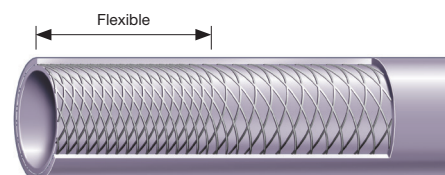


Product Characteristics

- Double-braiding with variable pitch offers proximal support and increased flexibility at the distal end of the catheter, to promote a smooth catheter engagement in all kinds of anatomies.
- The wall structure permits flow rates up to 23 ml/sec (saline) and a maximum pressure limit of 1200 psi (8.274 kPa)¹
- The Tiger and BLK curves enable angiography of right and left coronary arteries using either radial or brachial approach - The single catheter concept decreases procedure and fluoroscopy time²

¹ Terumo Instructions for Use, Outlook catheter.

² Seong-Man Kim et al, 2005. Novel Diagnostic Catheter specifically designed for both coronary arteries via the right transradial approach. The International Journal of Cardiovascular Imaging. 2005, 10.007/s10554-005-9029-8.



General Specifications

Pressure limit	4 Fr (1,40 mm) – 1200 psi
Guidewire compatibility	0,038" (0,97 mm)
Outer diameter of the shaft (Fr/mm)	4 Fr / 1.40 mm
Inner diameter of the shaft (Inches/mm)	0.041" / 1.05 mm

Item Specifications

Visceral shapes

Shape name	Tip shape	Length	Side holes	Outer diameter	Inner diameter	Code number
J Curve 6 cm	-	30 cm	0	4 Fr / 1.40 mm	0.041" / 1.05 mm	RQ-ADD4103M*
J Curve 6 cm	-	40 cm	0	4 Fr / 1.40 mm	0.041" / 1.05 mm	RQ-ADD4104M*
Cobra Middle		80 cm	0	4 Fr / 1.40 mm	0.041" / 1.05 mm	RQ-AB54108M

Cerebral shapes

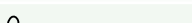
Shape name	Tip shape	Length	Side holes	Outer diameter	Inner diameter	Code number
Simmons / Sidewinder 1		100 cm	0	4 Fr / 1.40 mm	0.041" / 1.05 mm	RQ-BA14110M
Simmons / Sidewinder 2		100 cm	0	4 Fr / 1.40 mm	0.041" / 1.05 mm	RQ-BA24110M
Vertebral		100 cm	0	4 Fr / 1.40 mm	0.041" / 1.05 mm	RQ-BH14110M*
Vertebral (Short Tip)		100 cm	0	4 Fr / 1.40 mm	0.041" / 1.05 mm	RQ-BHA4110M

Unit per box: 5pcs.

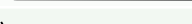
Please quote above item reference code when placing an order

*This product may have additional lead time. Please contact your local Terumo contact for more information.

Flush catheters

Shape name	Tip shape	Length	Side holes	Outer diameter	Inner diameter	Code number
Straight pigtail		65 cm	8	4 Fr / 1.40 mm	0.041" / 1.05 mm	RQ-4SP008GM
Straight pigtail		90 cm	8	4 Fr / 1.40 mm	0.041" / 1.05 mm	RQ-4SP0089M

Bolia mini-cath

Shape name	Tip shape	Length	Side holes	Outer diameter	Inner diameter	Code number
Mini-Cath Standard		20 cm	0	4 Fr / 1.40 mm	0.041" / 1.05 mm	RQ*BH94102M
Mini-Cath Standard		30 cm	0	4 Fr / 1.40 mm	0.041" / 1.05 mm	RQ*BH94103M
Mini-Cath 60 degree angle		20 cm	0	4 Fr / 1.40 mm	0.041" / 1.05 mm	RQ*BHA4102M

Unit per box: 5pcs.

Please quote above item reference code when placing an order

*This product may have additional lead time. Please contact your local Terumo contact for more information.

Radifocus® Glidecath is a hydrophilic angiographic catheter intended for use in angiographic procedures in peripheral and neurovasculature.

It delivers radiopaque media and therapeutic agents to selected sites in the vascular system.

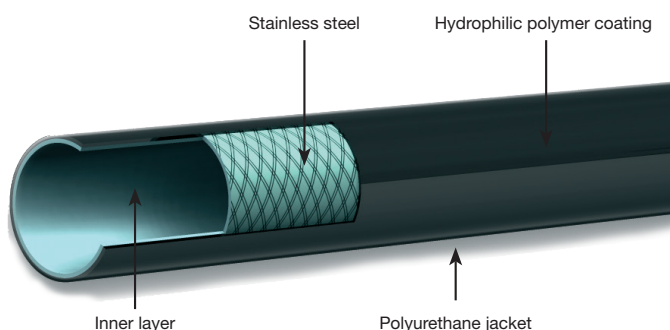
It is also used to lead a guidewire or a catheter into the target site.

Glidecath shares the same hydrophilic coating as Terumo Guidewire M that allows to reach the more distal point in the most tortuous anatomy.

Glidecath is also indicated to deliver embolic material such as Beads, PVA particles and Macro coils.

Product Characteristics

- *Distal hydrophilic coating at 15 – 25 – 40 cm depending on catheter type and length providing an excellent navigability and allows to selectively catheterize the most tortuous anatomy.*
- *Superior braiding structure: single braiding for 5 Fr and double braiding for 4 Fr providing an excellent trackability especially when used in combination with Terumo Hydrophilic guidewires.*
- *Smooth radiopaque surface to prevent thrombus formation and to ensure high visibility under fluoroscopy.*
- *A larger lumen for a lower profile, Glidecath 4 Fr (1.40 mm) with 0.038" (0.97mm) guidewires and can be used as a guiding catheter for microcatheters such as Terumo Progreat.*
- *Resistant to high pressure : 750 psi (5.171 kPa) for 4 Fr and 1000 psi (6.895 kPa) for 5 Fr.*
- *Special curves and lengths available such as 150 cm straight for lower limb recanalisation and Yashiro 3D shape for celiac trunk easier access.*



General Specifications

Available diameters	4 Fr and 5 Fr
Radiopaque jacket	Polyurethane
Hydrophilic coating	"M" polymer
Inner Diameter 4 Fr	0.041" (1.03 mm)
Inner diameter 5 Fr	0.043" (1.10 mm)
Lengths (cm)	65, 80, 100, 110, 120, 150
Guidewire compatibility	0.038" (0.97 mm)
Units per box	5

Item Specifications - Visceral Shape

Outer diameter	Length	Distal hydrophilic length	Distal curve	Side holes	Item reference
4 Fr / 1.40 mm	65 cm	15 cm	Cobra Small	0	RF-ZB4410GM
4 Fr / 1.40 mm	80 cm	15 cm	Cobra Small	0	RF-ZB44108M
5 Fr / 1.70 mm	65 cm	25 cm	Cobra Small	0	RF-XB4510GM
5 Fr / 1.70 mm	80 cm	40 cm	Cobra Small	0	RF-XB45108M
5 Fr / 1.70 mm	80 cm	40 cm	Cobra Small	2	RF-XB15108M
4 Fr / 1.40 mm	65 cm	15 cm	Cobra Middle	0	RF-ZB5410GM
4 Fr / 1.40 mm	80 cm	15 cm	Cobra Middle	0	RF-ZB54108M
4 Fr / 1.40 mm	100 cm	15 cm	Cobra Middle	0	RF-ZB54110M
5 Fr / 1.70 mm	65 cm	25 cm	Cobra Middle	0	RF-XB5510GM
5 Fr / 1.70 mm	80 cm	40 cm	Cobra Middle	0	RF-XB55108M
5 Fr / 1.70 mm	100 cm	40 cm	Cobra Middle	0	RF-XB55110M
4 Fr / 1.40 mm	65 cm	15 cm	Cobra Large	0	RF-ZB6410GM
4 Fr / 1.40 mm	80 cm	15 cm	Cobra Large	0	RF-ZB64108M
5 Fr / 1.70 mm	65 cm	25 cm	Cobra Large	0	RF-XB6510GM
5 Fr / 1.70 mm	80 cm	40 cm	Cobra Large	0	RF-XB65108M
4 Fr / 1.40 mm	65 cm	15 cm	J curve Large	0	RF-ZD4410GM
5 Fr / 1.70 mm	65 cm	25 cm	J curve Large	0	RF-XD4510GM
5 Fr / 1.70 mm	70 cm	25 cm	Yashiro	0	RF*YG95107M
4 Fr / 1.40 mm	65 cm	15 cm	Straight	0	RF-ZM7410GM
4 Fr / 1.40 mm	80 cm	15 cm	Straight	0	RF-ZM74108M
4 Fr / 1.40 mm	100 cm	15 cm	Straight	0	RF-ZM74110M
4 Fr / 1.40 mm	110 cm	15 cm	Straight	0	RF*ZM74111M
4 Fr / 1.40 mm	120 cm	15 cm	Straight	0	RF*ZM74112M
4 Fr / 1.40 mm	150 cm	40 cm	Straight	0	RF*ZM74115JM
5 Fr / 1.70 mm	40 cm	25 cm	Straight	0	RF-XM75104M
5 Fr / 1.70 mm	110 cm	40 cm	Straight	0	RF*XM75111M
5 Fr / 1.70 mm	65 cm	25 cm	Straight tapered	0	RF*XI7510GM
5 Fr / 1.70 mm	80 cm	40 cm	Straight tapered	0	RF*XI75108M
5 Fr / 1.70 mm	100 cm	40 cm	Straight tapered	0	RF*XI75110M
4 Fr / 1.40 mm	65 cm	15 cm	Non-tapered angled	0	RF-ZV9410GM
4 Fr / 1.40 mm	100 cm	15 cm	Non-tapered angled	0	RF-ZV94110M
4 Fr / 1.40 mm	110 cm	15 cm	Non-tapered angled	0	RF*ZV94111M
4 Fr / 1.40 mm	150 cm	40 cm	Non-tapered angled	0	RF*ZV94115JM
5 Fr / 1.70 mm	110 cm	40 cm	Non-tapered angled	0	RF*XV95111M
5 Fr / 1.70 mm	65 cm	25 cm	Non-tapered angled type T90	2	RF-XVZ510GM
5 Fr / 1.70 mm	65 cm	25 cm	Angled tapered	0	RF*XL9510GM
5 Fr / 1.70 mm	100 cm	40 cm	Angled tapered	0	RF*XL95110M
4 Fr / 1.40 mm	100 cm	15 cm	Multipurpose	0	RF-ZW34110M
5 Fr / 1.70 mm	100 cm	40 cm	Multipurpose	0	RF-XW35110M
4 Fr / 1.40 mm	80 cm	15 cm	COE 2	5	RF-ZWD4108M
5 Fr / 1.70 mm	100 cm	40 cm	Internal Mammary short tip	0	RF-XIR5110M

Item Specifications - Cerebral Shape

Outer diameter	Length	Distal hydrophilic length	Distal curve	Side holes	Item reference
4 Fr / 1.40 mm	100 cm	15 cm	Simmons / Sidewinder 1	0	RF-WA14110M
5 Fr / 1.70 mm	100 cm	40 cm	Simmons / Sidewinder 1	0	RF-YA15110M
4 Fr / 1.40 mm	100 cm	15 cm	Simmons / Sidewinder 2	0	RF-WA24110M
5 Fr / 1.70 mm	100 cm	40 cm	Simmons / Sidewinder 2	0	RF-YA25110M
5 Fr / 1.70 mm	100 cm	40 cm	Simmons / Sidewinder 3	0	RF-YA35110M
4 Fr / 1.40 mm	100 cm	15 cm	Hinck Headhunter 1	0	RF-WB14110M
5 Fr / 1.70 mm	100 cm	40 cm	Hinck Headhunter 1	0	RF-YB15110M
4 Fr / 1.40 mm	100 cm	15 cm	Bentson-Hanafee-Wilson 1	0	RF-WE14110M
5 Fr / 1.70 mm	100 cm	40 cm	Bentson-Hanafee-Wilson 1	0	RF-YE15110M
4 Fr / 1.40 mm	100 cm	15 cm	Bentson-Hanafee-Wilson 2	0	RF-WE24110M
5 Fr / 1.70 mm	100 cm	40 cm	Bentson-Hanafee-Wilson 2	0	RF-YE25110M
4 Fr / 1.40 mm	110 cm	15 cm	Bentson-Hanafee-Wilson modified	0	RF*WEA4111M
4 Fr / 1.40 mm	100 cm	15 cm	MANI	0	RF-WG14110M
4 Fr / 1.40 mm	100 cm	15 cm	Vertebral	0	RF-WH14110M
4 Fr / 1.40 mm	120 cm	15 cm	Vertebral	0	RF*WH14112M
5 Fr / 1.70 mm	100 cm	40 cm	Vertebral	0	RF-YH15110M
5 Fr / 1.70 mm	110 cm	40 cm	Vertebral	0	RF*YH15111M

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Other code numbers are available on special demand. For any further information, please contact your local Terumo representative.