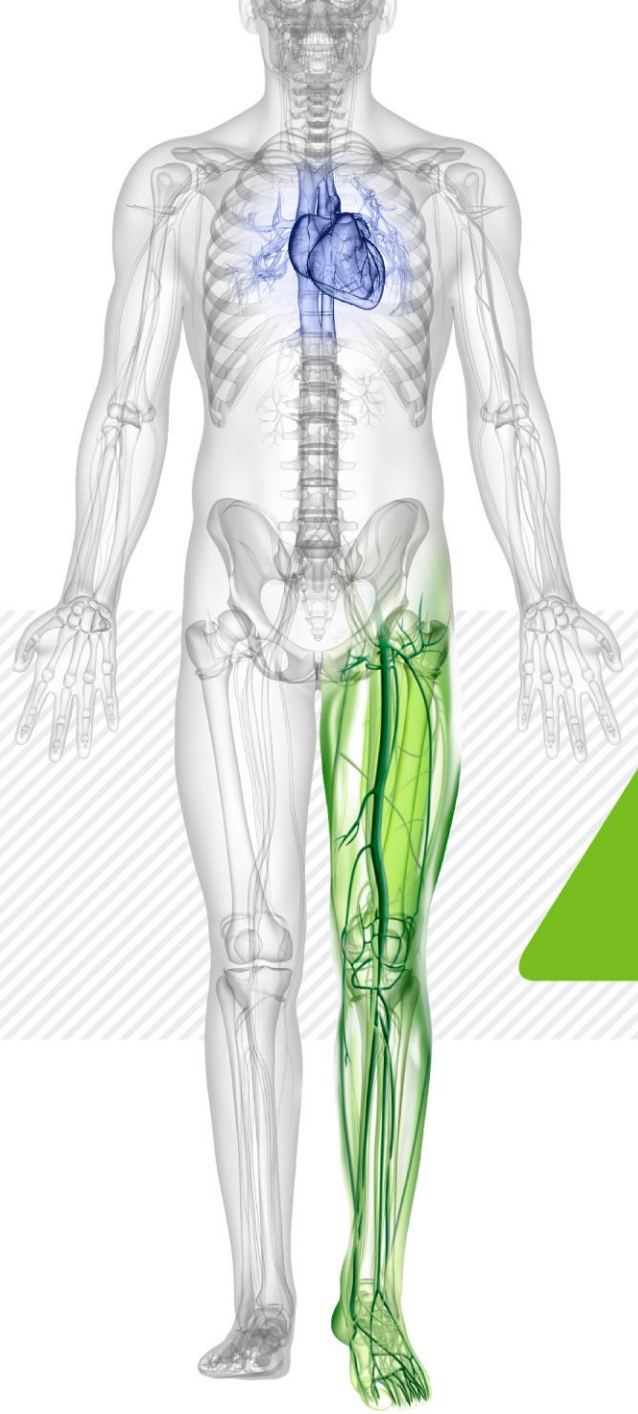
Teleport® Microcatheter

Product In-Service

Teleport® and Teleport® Control



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CSI CARDIOVASCULAR SYSTEMS, INC.

Manufactured by:

OrbusNeich™
Pioneers in life-changing technologies

CSI is the exclusive US distributor of the Teleport® microcatheters manufactured by OrbusNeich Medical Group Holdings Limited or its affiliates.

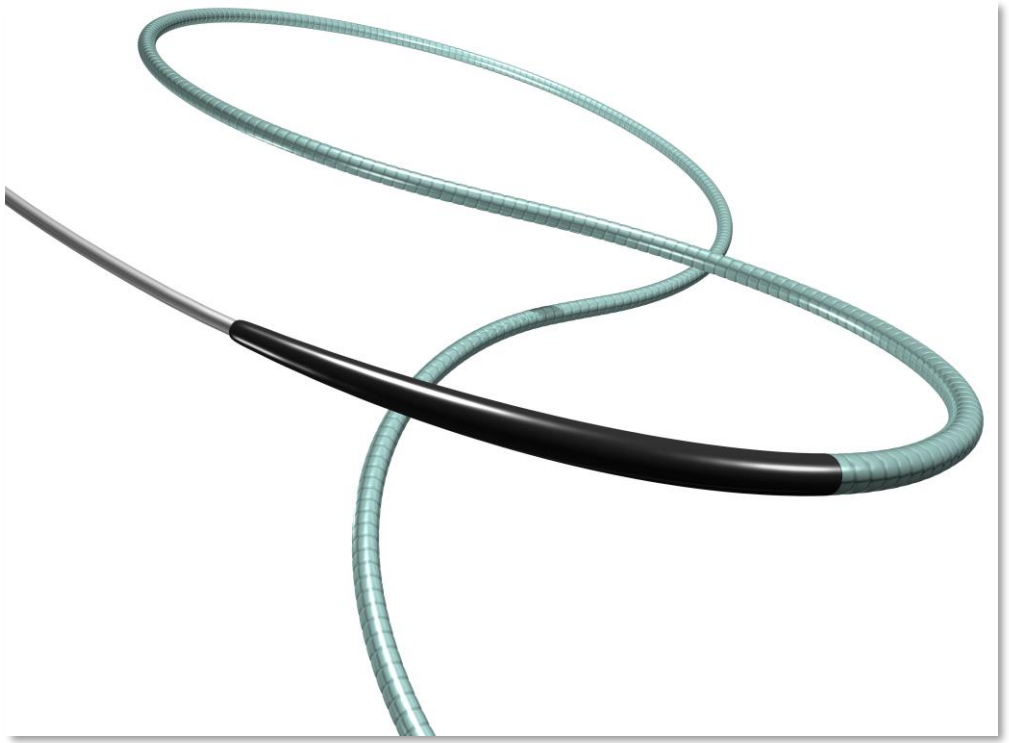
Technical Specifications

Ultimate Torqueability, Trackability and Safety

Guidewire Support and Crossing
Hybrid Braid + Coil design provides an optimal balance of trackability, catheter control, kink resistance and flexibility from hub to tip

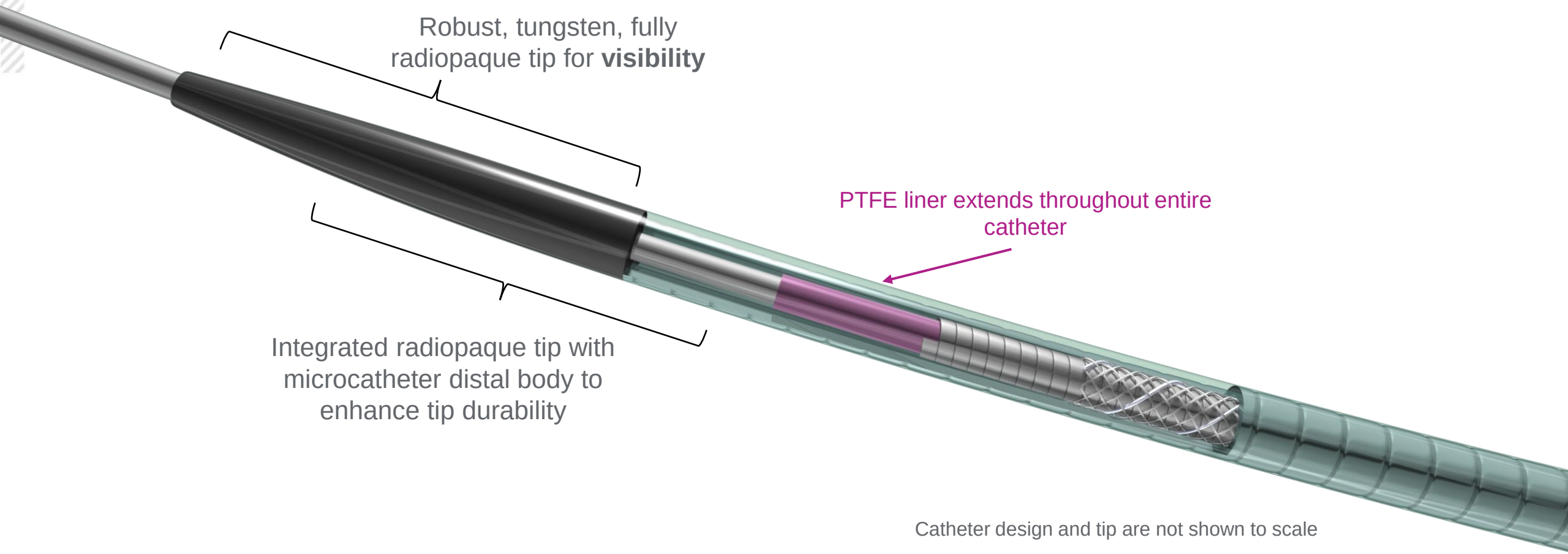
Robustness and Visibility
The 6 mm, integrated tip facilitates exceptional durability and clear positioning during catheter cannulation inside tight and calcified lesions

Navigation Inside Lesions & Micro channels
Teleport® for extra accessibility
Teleport Control for extra torqueability



Teleport® Tip Durability and Visibility

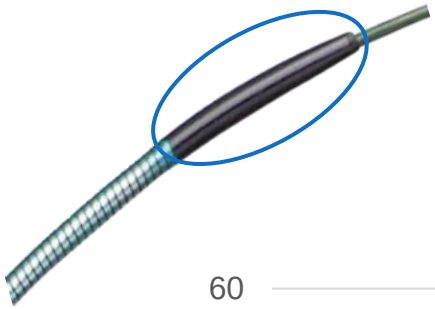
Offering a 6mm fully radiopaque tip that is integrated with the distal body for enhanced tip durability

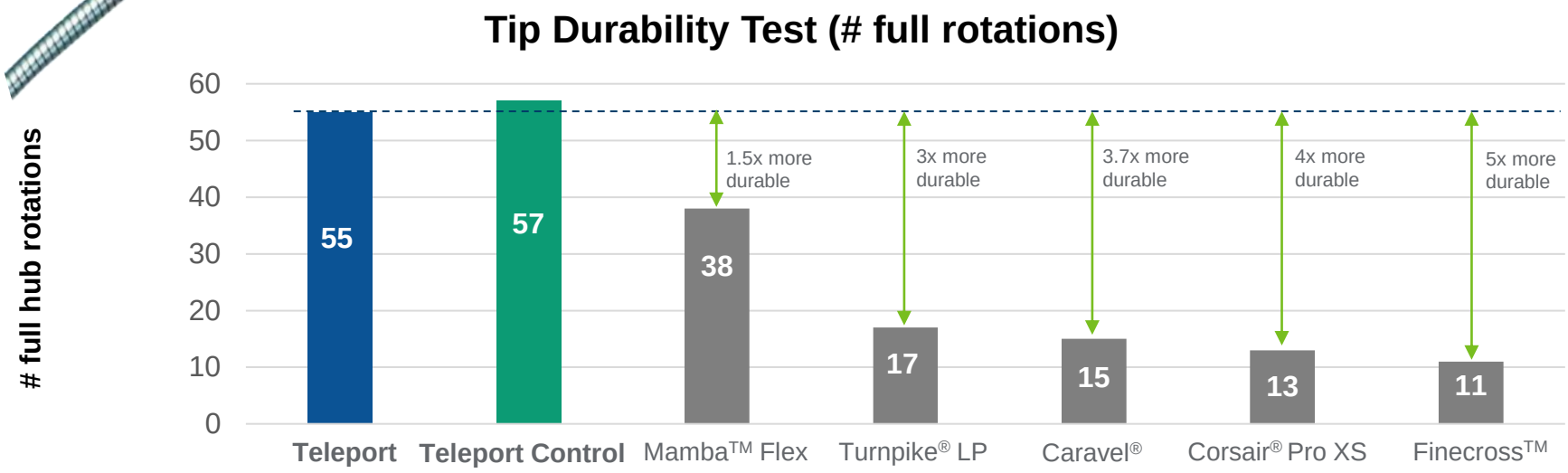


Catheter design and tip are not shown to scale

Teleport® Tip Durability Bench Testing

Offering a 6mm fully radiopaque tip that is integrated with the distal body for enhanced tip durability





Teleport's fortified radiopaque tip facilitates a higher tolerance to tip failure[1] (separation from catheter).

[1]OrbusNeich bench data on file. Bench testing results may not be indicative of clinical performance.

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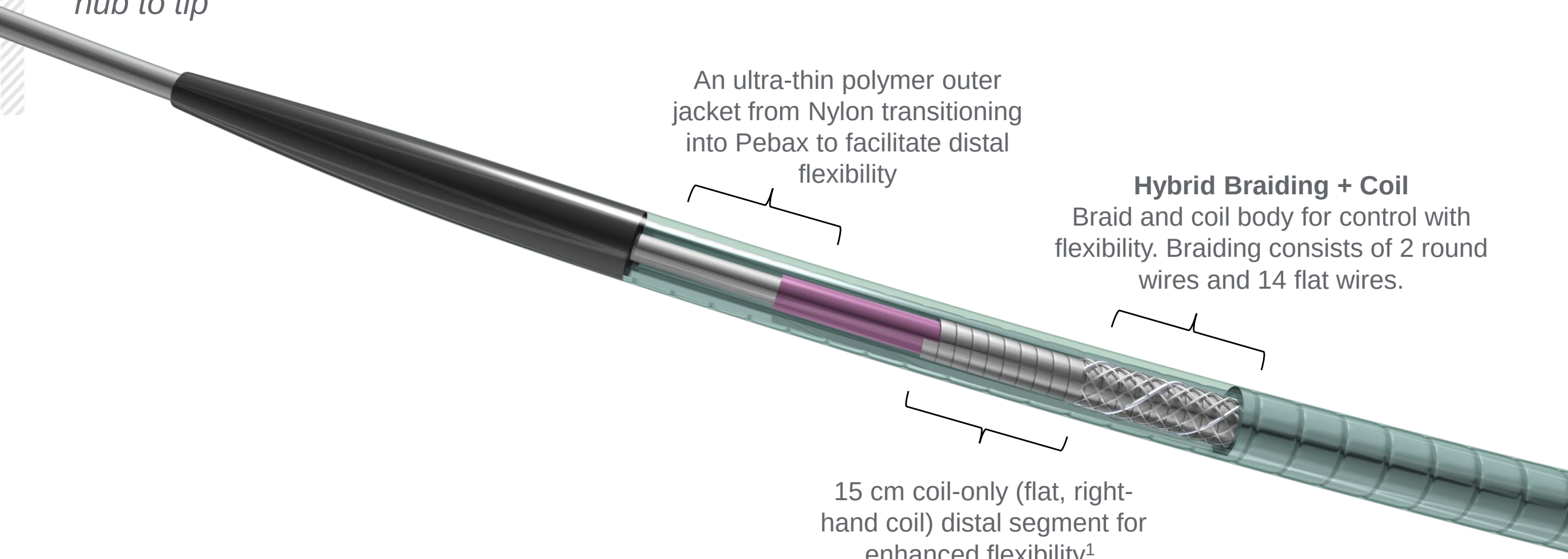
Teleport® Flexibility and Control

Unique microcatheter construction providing optimal balance of track, control and flexibility from hub to tip



An ultra-thin polymer outer jacket from Nylon transitioning into Pebax to facilitate distal flexibility

Hybrid Braiding + Coil
Braid and coil body for control with flexibility. Braiding consists of 2 round wires and 14 flat wires.

15 cm coil-only (flat, right-hand coil) distal segment for enhanced flexibility[1].

[1]To relax the right-hand coil while torquing the device, rotate counter-clockwise.

Catheter design and tip are not shown to scale

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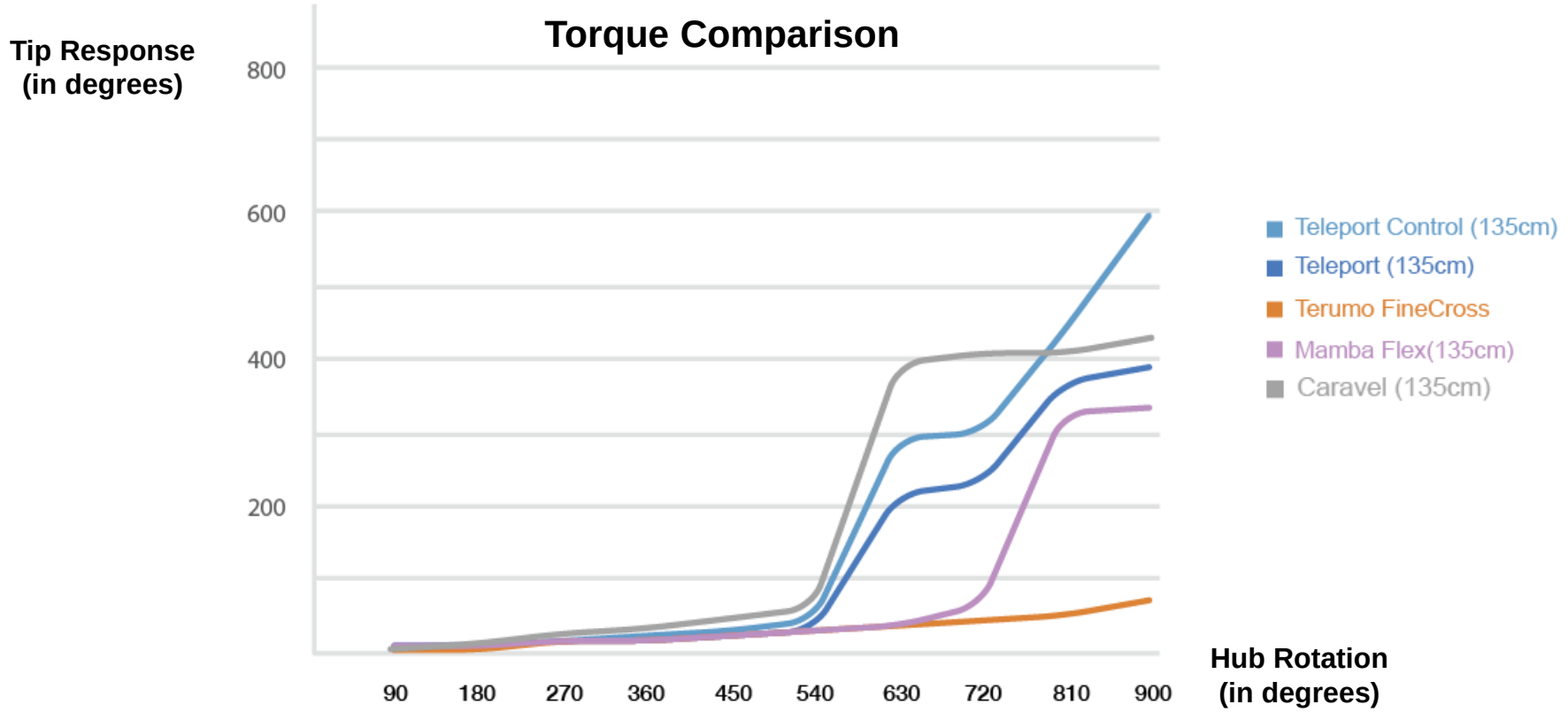
Teleport® Torque Comparison Bench Testing

Teleport® and Teleport® Control have Comparable Torque-ability vs. Market Leaders



Teleport microcatheters have greater torqueability vs. Finecross™ and Mamba™ Flex

OrbusNeich bench data on file. Bench testing results may not be indicative of clinical performance.
Non-torquing and torquing microcatheters are presented in bench results.

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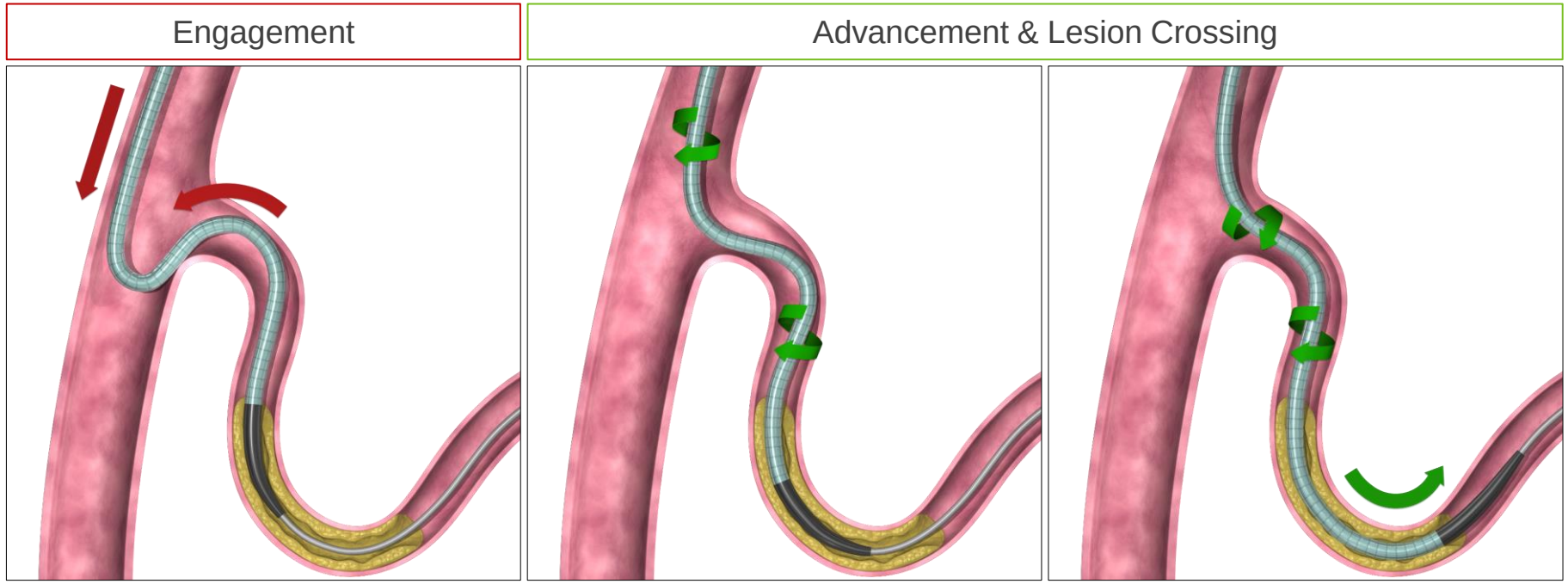
The Importance of Torque

Navigate through the most tortuous anatomy with flexibility and control

There are times when pushing a microcatheter isn't enough. (E.g., navigating tortuous anatomy, crossing complex lesions, etc.)

With the Teleport® microcatheter's unique catheter design, as you rotate the hub of the device, torque transfers throughout the catheter to the tip allowing you to advance when resistance is encountered. Keeping the catheter in forward motion, when rotating, helps *reduce and minimize* friction and resistance the user, guidewire and overall anatomical environment experiences.



Tortuosity and highly stenotic lesions create friction which can prevent catheter advancement.

Torque generated at the hub of the catheter is transmitted down the shaft to create a rotation at the tip.

Constant rotational motion keeps the catheter operating in a dynamic reduced friction environment, facilitating progress through challenging anatomy.

Removing Teleport®

Always relax Teleport's right-hand coil prior to microcatheter removal[1]

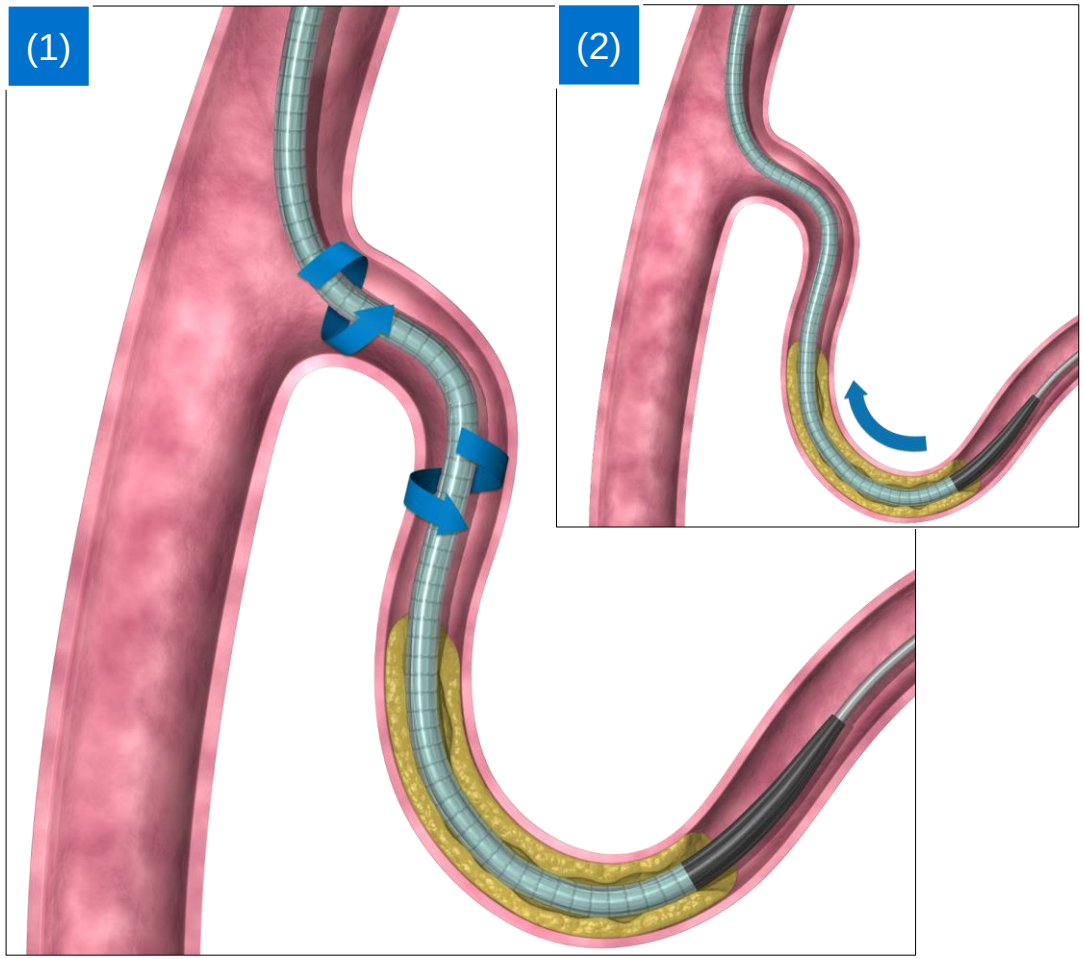
Refer to Dr. Croce's technique video, Microcatheter Removal, on why it's important to relax Teleport's right-hand coil prior to removal (available on CSIQ).

As the user rotates Teleport through tortuous vessels and crosses tight, calcified lesions, the **Teleport microcatheter's distal, coil-only segment can build up torsional friction on the guidewire**.

(1) To relax the coil, **rotate the catheter counter-clockwise while applying forward pressure**. This usually releases additional tension to the coil itself and will allow the coil to fully retract to its original shape and inner diameter of 0.0170" for Teleport and 0.0175" for Teleport Control.

(2) Remove microcatheter after user verifies there is no resistance.

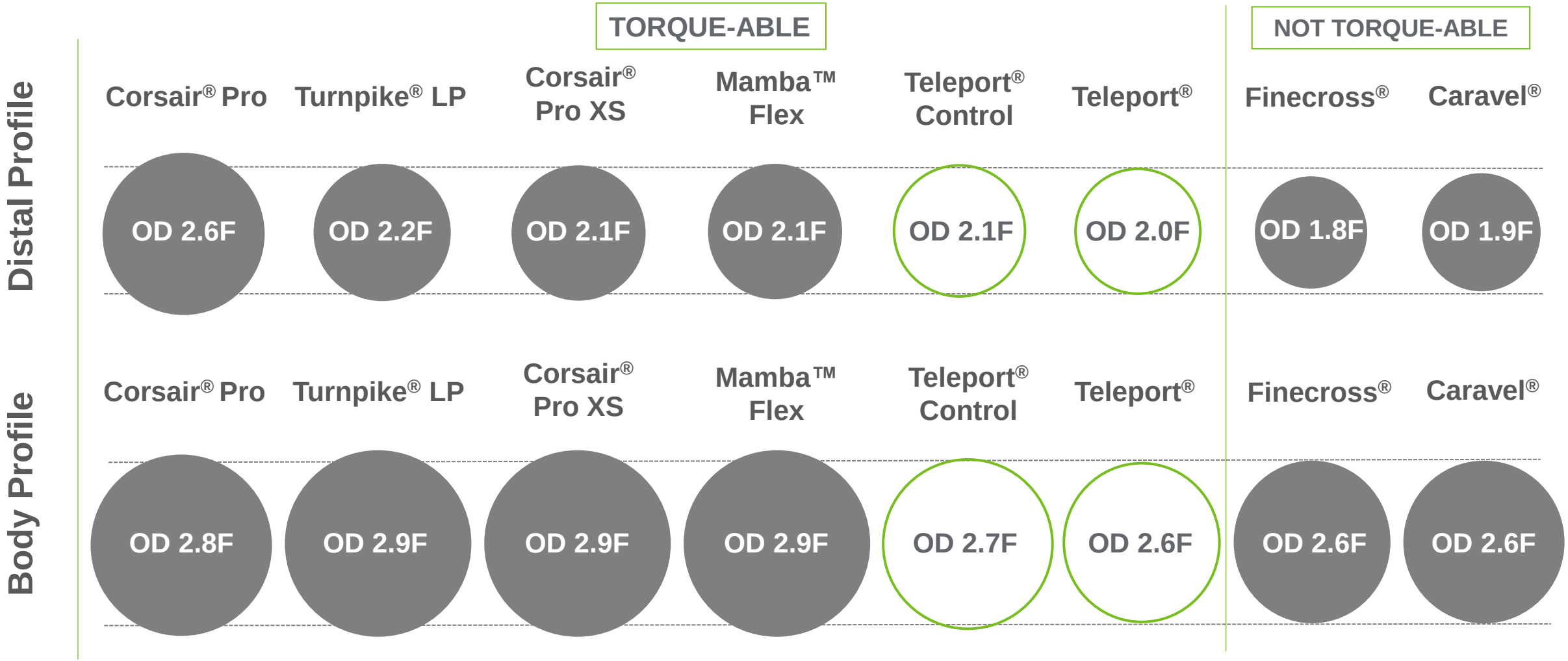
(3) Per IFU, **if abnormal resistance is detected while using this product, do not continue operation, avoid excessive manipulations, and carefully remove the entire catheter system while paying full attention to avoid complications.**



See the Instructions for Use for further information.

Teleport® Offers the Lowest Profile, Torque-able Microcatheter

Distal and Body Profile Comparisons of Low Profile Competitive Microcatheters



Information gathered by OrbusNeich and based on manufacturers' published specifications (Teleport, Corsair, Turnpike, Finecross, Mamba, Caravel)

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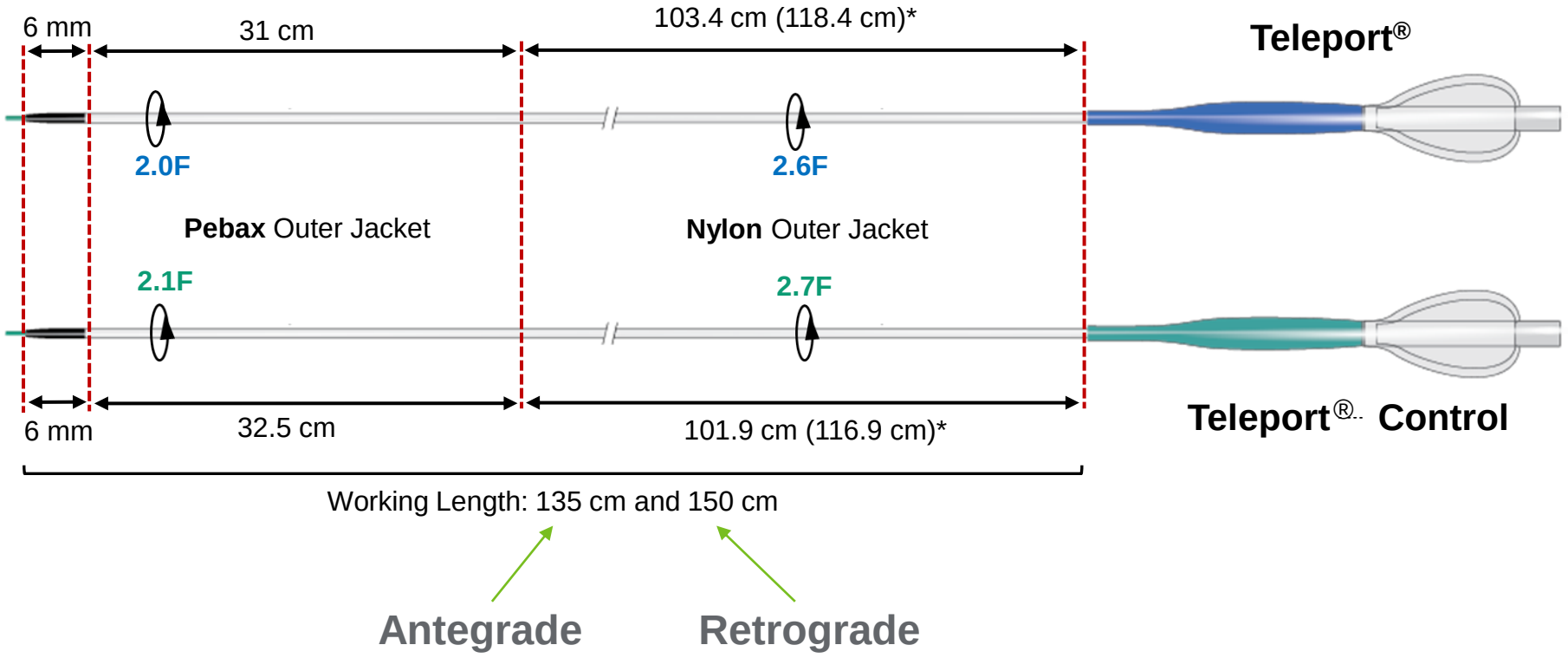
Technical Specifications

Components	Teleport®	Teleport® Control
Catheter Working Length	135 cm (antegrade); 150 cm (retrograde)	
Radiopaque Tip Length and Material	6 mm, mixture of Tungsten (75%) and Pebax	
Catheter Exterior Coating	Hydrophilic (60 cm of distal catheter including tip)	
Catheter Inner Lumen Surface	PTFE Liner	
Catheter Inner Lumen ID	0.0170”	0.0175”
Tip Inner Lumen ID	0.0157”	
Tip Entry Profile	0.0190”	
Catheter Inner Body Construction	Hybrid braiding (14 flat wires + 2 round wires) + 1 Coil	
Catheter Outer Jacket	Nylon (proximal) and Pebax (distal)	
Pebax (gradual flexibility towards the distal)	31 cm	32.5 cm
Proximal Shaft OD	2.6F	2.7F
Distal Shaft OD	2.0F	2.1F
Guiding Catheter Compatibility	5F	

Schematic Drawing and Dimensions



CAD Competitive Specifications[1]

Knowing the Competition

	Torque-able								Non-Torque-able	
	Corsair® Pro	**Corsair® Pro XS**	**Mamba™**	**Mamba™ Flex**	**Turnpike®**	**Turnpike® LP**	**Teleport® Control**	**Teleport®**	**Finecross®**	**Caravel®**
Body	Braid & coil		Coil-only		Braid & dual coil		Braid & coil		Braid-only	Braid-only
Distal Segment	Braid & coil		Coil-only		Braid & single coil		Coil-only		Floppy braid	Braid-only
Proximal OD	2.8F	2.9F	2.9F	2.9F	3.1F	2.9F	2.7F	2.6F	2.6F	2.6F
Distal OD	2.6F	2.1F	2.4F	2.1F	2.6F	2.2F	2.1F	2.0F	1.8F	1.9F
Tip Entry OD	1.3F	1.3F	1.4F	1.4F	1.6F	1.6F	1.5F	1.5F	1.8F	1.4F
Tip Visibility	Radiopaque	Radiopaque	Marker-only		Radiopaque		Radiopaque		Marker-only	Radiopaque
Distal ID	0.018”	0.019”	0.018”	0.018”	0.0180”	NR	0.0175”	0.0170”	0.0210”	0.022”
Tip ID	0.015”	0.015”	NR	NR	0.0210"	0.0210"	0.0157”	0.0157”	NR	0.016”

1. Based on manufacturers’ published specifications (Corsair, Caravel, Turnpike, Finecross, Mamba); Teleport data on file.

Ordering Information

	Model Number	Length	Profile
Teleport®	220-13-1000U	135cm	2.0 Fr
	220-15-1000U	150cm	2.0 Fr
Teleport® Control	221-13-1000U	135cm	2.1 Fr
	221-15-1000U	150cm	2.1 Fr

Indication for Use Statement

The Teleport® microcatheters are indicated for supporting and facilitating the placement of guidewires in the coronary and peripheral vasculature; exchanging guidewires in the coronary and peripheral vasculature; and the delivery of contrast media into the coronary, peripheral, and abdominal vasculature.

Please see the Instructions for Use supplied with this device for information on contraindications, warnings, precautions and directions for use.

Caution: Federal law (USA) restricts this device to the sale by or on the order of a physician.

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