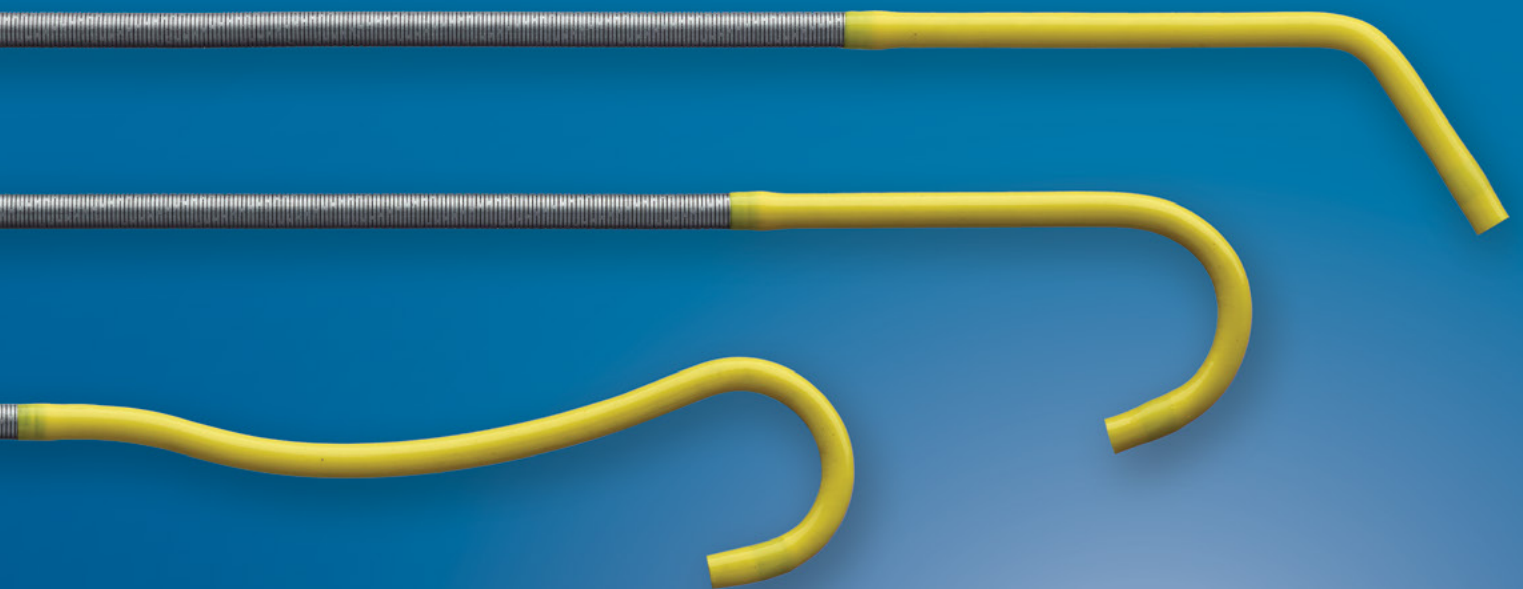


**DIREXION™** Torqueable Microcatheter

# REPOSITION WITHOUT THE WIRE



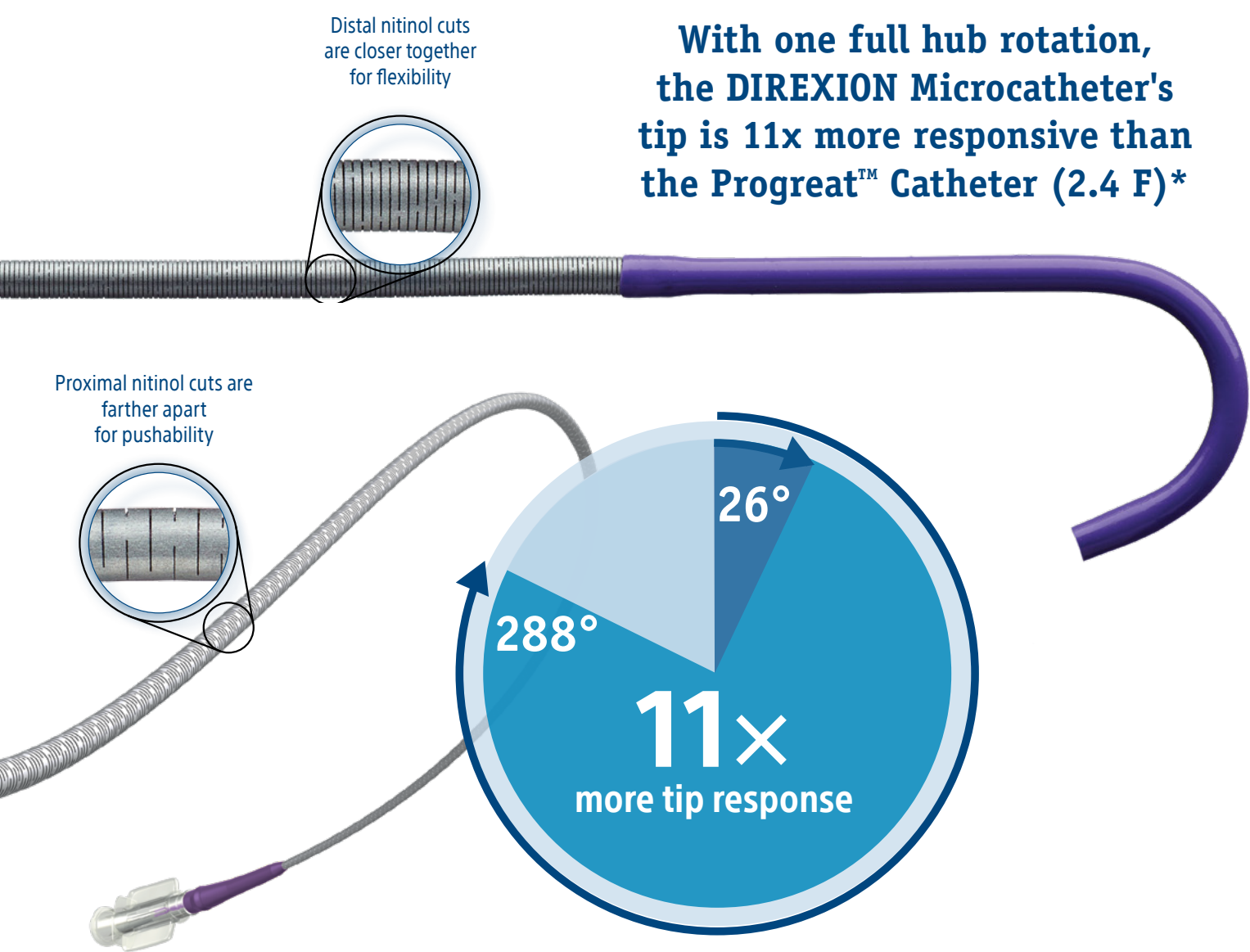
## ENHANCED DESIGN

# Direxion™ and Direxion HI-FLO™ Torqueable Microcatheter Family

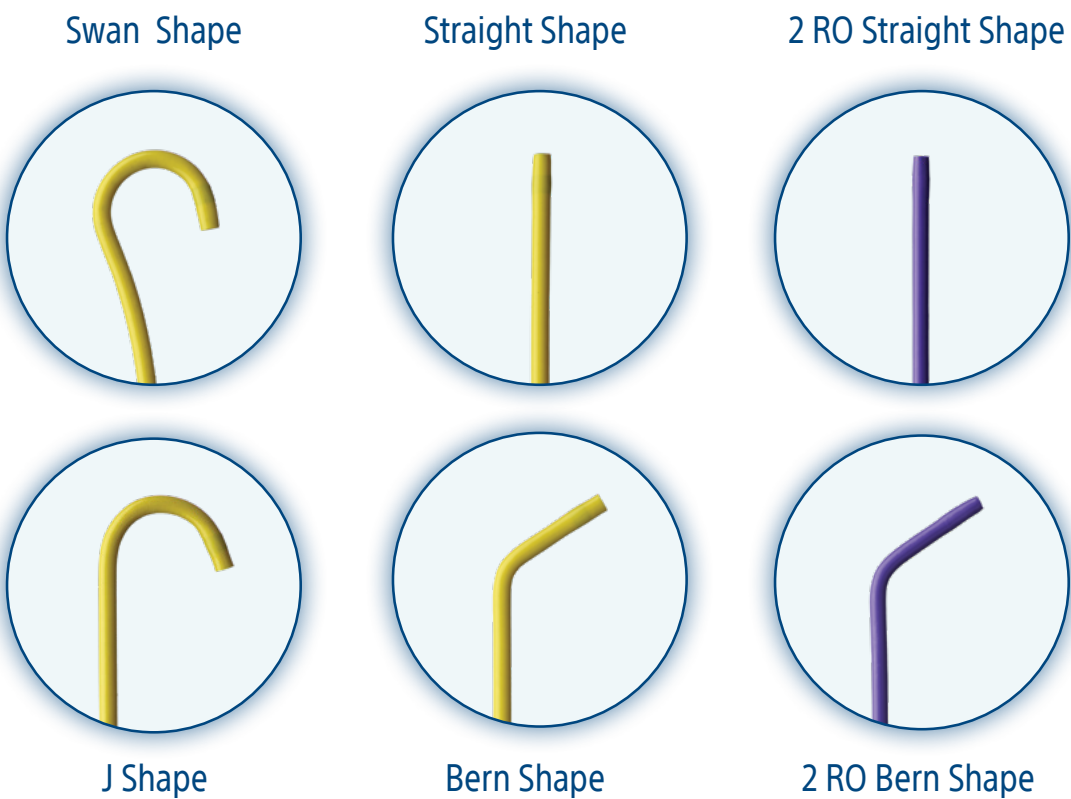
## The DIREXION Microcatheter is the world's FIRST truly Torqueable Microcatheter

Now with improved tip shapes and hydrophilic coating

- Unique shaft design gives the Direxion Microcatheter unrivaled torqueability while maintaining excellent trackability, flexibility, and pushability
- Unique tip shapes facilitate access to challenging treatment sites



## Torqueable Tips Allow for Intraprocedural Flexibility and Efficiency



### COMPLETE PORTFOLIO OFFERING

#### DIREXION MICROCATHETER

- Microcatheter (guidewire not included)
- Pre-Loaded with Fathom™-16 Guidewire
- Pre-Loaded with Transend™-14 Guidewire

#### DIREXION HI-FLO MICROCATHETER

- Microcatheter (guidewire not included)
- Pre-Loaded with Fathom-16 Guidewire
- Pre-Loaded with Transend-18 Guidewire

\* Bench testing performed by Boston Scientific Corporation. Data on file. N=5. Bench test results may not necessarily be indicative of clinical performance.

# DIREXION™ AND DIREXION HI-FLO™

## Torqueable Microcatheter Family

Direxion Microcatheter				
UPN	Order Number	Usable Length	Tip Shape	RO Markers
M001195200	19-520	105	Straight	1
M001195210	19-521	130	Straight	1
M001195220	19-522	155	Straight	1
M001195230	19-523	105	Bern	1
M001195240	19-524	130	Bern	1
M001195250	19-525	155	Bern	1
M001195260	19-526	105	J	1
M001195270	19-527	130	J	1
M001195280	19-528	155	J	1
M001195290	19-529	105	Swan	1
M001195300	19-530	130	Swan	1
M001195310	19-531	155	Swan	1
M001195320	19-532	130	Straight	2
M001195330	19-533	155	Straight	2
M001195340	19-534	130	Bern	2
M001195350	19-535	155	Bern	2

Direxion Microcatheter Pre-Loaded System with Fathom™-16 Guidewire				
UPN	Order Number	Direxion Usable Length	Direxion Tip Shape	Fathom-16 Guidewire Overall length
M001195610	19-561	130	Straight	180
M001195620	19-562	155	Straight	180
M001195640	19-564	130	Bern	180
M001195650	19-565	155	Bern	180
M001195660	19-566	130	Straight (2RO)	180
M001195670	19-567	130	Bern (2RO)	180

Direxion Microcatheter Pre-Loaded System with Transend™-14 Guidewire				
UPN	Order Number	Direxion Usable Length	Direxion Tip Shape	Transend-14 Guidewire Overall length
M001195810	19-581	130	Straight	165
M001195840	19-584	130	Bern	165
M001195850	19-585	155	Bern	190

All Direxion and Direxion HI-FLO Torqueable Microcatheters are compatible with most chemotherapy agents, alcohol, and DMSO. All Direxion and Direxion HI-FLO Torqueable Microcatheters have dynamic burst pressures of 1200 PSI.

### DIREXION™ AND DIREXION HI-FLO™

**CAUTION:** Federal law (USA) restricts this device to sale by or on the order of a physician. Rx only. Prior to use, please see the complete "Directions for Use" for more information on Indications, Contraindications, Warnings, Precautions, Adverse Events, and Operator's Instructions.

**INTENDED USE/INDICATIONS FOR USE:** The Direxion and Direxion HI-FLO Torqueable Microcatheters are intended for peripheral vascular use. The pre-loaded Fathom and Transend Guidewires can be used to selectively introduce and position the microcatheter in the peripheral vasculature. The microcatheter can be used for controlled and selective infusion of diagnostic, embolic, or therapeutic materials into the vessel. **CONTRAINDICATIONS:** None known **WARNINGS:** • Never advance or withdraw an intravascular device against resistance until the cause of resistance is determined by fluoroscopy. Movement of the microcatheter or guidewire against resistance may result in damage or separation of the microcatheter or guidewire tip, or vessel perforation. • This Direxion Microcatheter family is not intended for use in the coronary vasculature or neurovasculature. • The Direxion HI-FLO Microcatheter is not designed for the delivery of embolic coils. • Use of excessive force to manipulate the microcatheter against resistance can cause a fracture in the nitinol shaft. Take care not to over-torque the microcatheter, and to relieve any tension before withdrawal by rotating the microcatheter in the opposite direction. **PRECAUTIONS:** • This device should be used only by physicians thoroughly trained in percutaneous, intravascular techniques and procedures. • Do not introduce the microcatheter without guidewire support as this may cause damage to the proximal shaft of the catheter. • Because the microcatheter may be advanced into narrow sub-selective vasculature, repeatedly assure that the microcatheter has not been advanced so far as to interfere with its removal. **ADVERSE EVENTS:** The Adverse Events include, but are not limited to: • Allergic reaction • Death • Embolism • Hemorrhage/Hematoma • Infection • Pseudoaneurysm • Stroke • Vascular thrombosis • Vessel occlusion • Vessel spasm • Vessel trauma (dissection, perforation, rupture) **90960724 AB.6**

Direxion, Direxion HI-FLO, Fathom, and Transend are unregistered or registered trademarks of Boston Scientific Corporation or its affiliates. All other trademarks are property of their respective owners.

Direxion HI-FLO Microcatheter				
UPN	Order Number	Usable Length	Tip Shape	RO Markers
M001195400	19-540	105	Straight	1
M001195410	19-541	130	Straight	1
M001195420	19-542	155	Straight	1
M001195430	19-543	105	Bern	1
M001195440	19-544	130	Bern	1
M001195450	19-545	155	Bern	1
M001195460	19-546	105	J	1
M001195470	19-547	130	J	1
M001195480	19-548	155	J	1
M001195490	19-549	105	Swan	1
M001195500	19-550	130	Swan	1
M001195510	19-551	155	Swan	1

Direxion Microcatheter HI-FLO Pre-Loaded System with Fathom-16 Guidewire				
UPN	Order Number	Direxion Usable Length	Direxion Tip Shape	Fathom-16 Guidewire Overall length
M001195710	19-571	130	Straight	180
M001195720	19-572	155	Straight	180
M001195740	19-574	130	Bern	180
M001195750	19-575	155	Bern	180

Direxion Microcatheter HI-FLO Pre-Loaded System with Transend-18 Guidewire				
UPN	Order Number	Direxion Usable Length	Direxion Tip Shape	Transend-18 Guidewire Overall length
M001195910	19-591	130	Straight	165
M001195940	19-594	130	Bern	165

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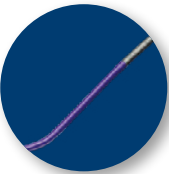
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# Direxion™ Torqueable Microcatheters

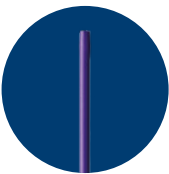
The Direxion Microcatheter is the first microcatheter built using Boston Scientific’s slotted nitinol hypotube technology. This technology maximizes torque transmission in the catheter shaft, giving the Direxion Microcatheter best-in-class torqueability\* while still maintaining excellent flexibility, trackability, and pushability. The Direxion Microcatheter is also available in six unique tip configurations as well as a full line of 0.021" (0.53 mm) and 0.027" (0.69 mm) lumen pre-loaded guidewire systems with your choice of a Fathom™-16 Guidewire, Transend™-14 Guidewire, or Transend-18 Guidewire.

### Direxion Microcatheter Family

- 2.4F (0.85mm) distal OD with 0.021" (0.5 mm) PTFE inner lumen
- Straight, Bern, J, or Swan shape tip options
- 1 or 2 RO markers
- Compatible with all 0.018" (0.46 mm) coils, up to 700 micron sized spherical particles, and up to 500 micron sized non-spherical particles
- Direxion goes through 0.035" (0.89mm) compatible catheter
- 1,200 psi burst rating



Direxion Microcatheter



2 RO Straight Shape

### Direxion Microcatheter

Order Code	Order Number	Usable Length (cm)	Tip Shape	RO Markers
M001195200	19-520	105	Straight	1
M001195210	19-521	130	Straight	1
M001195220	19-522	155	Straight	1
M001195230	19-523	105	Bern	1
M001195240	19-524	130	Bern	1
M001195250	19-525	155	Bern	1
M001195260	19-526	105	J	1
M001195270	19-527	130	J	1
M001195280	19-528	155	J	1
M001195290	19-529	105	Swan	1
M001195300	19-530	130	Swan	1
M001195310	19-531	155	Swan	1
M001195320	19-532	130	Straight	2
M001195330	19-533	155	Straight	2
M001195340	19-534	130	Bern	2
M001195350	19-535	155	Bern	2

### Direxion Microcatheter Preloaded System with Fathom-16 Guidewire

Order Code	Order Number	Direxion Torqueable Microcatheter Usable Length (cm)	Direxion Torqueable Microcatheter Tip Shape	Fathom-16 Guidewire Overall Length (cm)
M001195610	19-561	130	Straight	180
M001195620	19-562	155	Straight	180
M001195640	19-564	130	Bern	180
M001195650	19-565	155	Bern	180
M001195660^	19-566	130	Straight	180
M001195670^	19-567	130	Bern	180

^ With 2 RO Markers

### Direxion Microcatheter Preloaded System with Transend-14 Guidewire

Order Code	Order Number	Direxion Torqueable Microcatheter Usable Length (cm)	Direxion Torqueable Microcatheter Tip Shape	Transend-14 Guidewire Overall Length (cm)
M001195810	19-581	130	Straight	165
M001195840	19-584	130	Bern	165
M001195850	19-585	155	Bern	190



2 RO Bern

### Direxion HI-FLO™ Microcatheter Family

- 2.8F (0.95 mm) distal OD with 0.027" (0.6 mm) PTFE inner lumen
- Straight, Bern, J, or Swan shape tip options
- Compatible with up to 900 micron sized spherical particles, and up to 710 micron sized non-spherical particles
- Direxion Hi-Flo goes through 0.038" (0.97mm) compatible catheter
- 1,200 psi burst rating



Direxion HI-FLO Microcatheter

### Direxion HI-FLO Microcatheter

Order Code	Order Number	Usable Length (cm)	Tip Shape	RO Markers
M001195400	19-540	105	Straight	1
M001195410	19-541	130	Straight	1
M001195420	19-542	155	Straight	1
M001195430	19-543	105	Bern	1
M001195440	19-544	130	Bern	1
M001195450	19-545	155	Bern	1
M001195470	19-547	130	J	1
M001195480	19-548	155	J	1
M001195500	19-550	130	Swan	1
M001195510	19-551	155	Swan	1



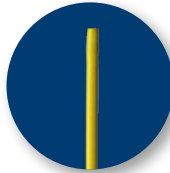
Swan Shape



J Shape

### Direxion HI-FLO Microcatheter Preloaded System with Fathom-16 Guidewire

Order Code	Order Number	Direxion Torqueable Microcatheter Usable Length (cm)	Direxion Torqueable Microcatheter Tip Shape	Fathom-16 Guidewire Overall Length (cm)
M001195710	19-571	130	Straight	180
M001195720	19-572	155	Straight	180
M001195740	19-574	130	Bern	180
M001195750	19-575	155	Bern	180



Straight Shape

### Direxion HI-FLO Microcatheter Preloaded System with Transend-18 Guidewire

Order Code	Order Number	Direxion Torqueable Microcatheter Usable Length (cm)	Direxion Torqueable Microcatheter Tip Shape	Transend-18 Guidewire Overall Length (cm)
M001195910	19-591	130	Straight	165
M001195940	19-594	130	Bern	165



Bern Shape

\*Bench testing performed by Boston Scientific Corporation. Data on file. N=5. Bench test results may not necessarily be indicative of clinical performance.