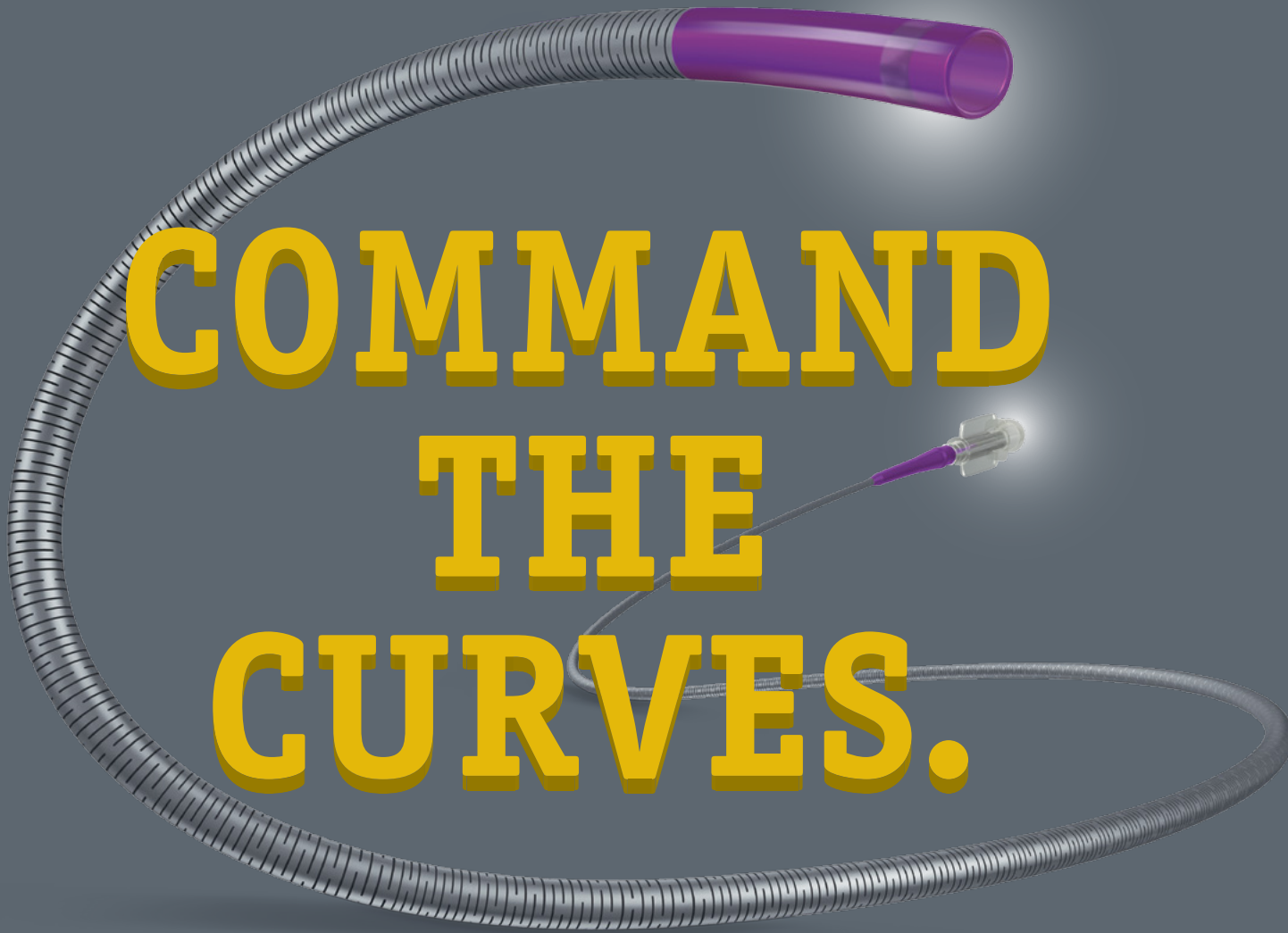


**DIREXION™**  
Torqueable Microcatheter Family



**PRECISION CONTROL IN A MICROCATHETER.**

# Direxion™ and Direxion HI-FLO™

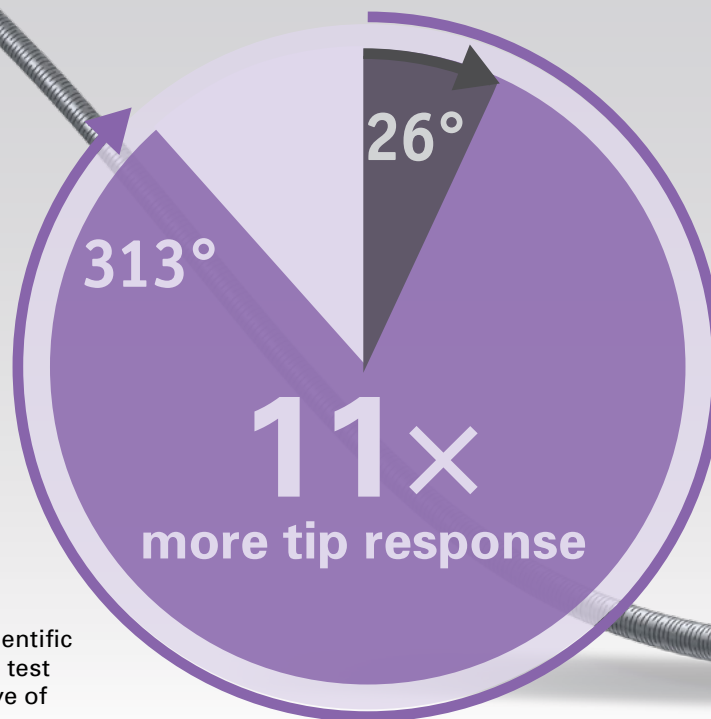
## The DIREXION Microcatheter is the world's FIRST truly Torqueable Microcatheter

- Unique shaft design gives the Direxion Microcatheter unrivaled torqueability while maintaining excellent trackability, flexibility, and pushability
- Combined with the unique tip shaped offering facilitates access to challenging treatment sites

Distal nitinol cuts are closer together for flexibility

Proximal nitinol cuts are farther apart for pushability

With one full hub rotation, the DIREXION Microcatheter's tip is 11x more responsive than the Progreat™ Catheter (2.4 F)\*



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

# Torqueable Microcatheter Family

## Unique Tip Configurations Allow for Intraprocedural Flexibility and Efficiency

Swan Shape



Straight Shape



2 RO Straight Shape



J Shape



Bern Shape



2 RO Bern Shape

### 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

# 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
M001195270	19-527	130	J	1
M001195300	19-530	130	Swan	1
M001195320	19-532	130	Straight	2
M001195340	19-534	130	Bern	2

### 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
M001195470	19-547	130	J	1
M001195500	19-550	130	Swan	1

### 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
M001195640	19-564	130	Bern	180

### 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
M001195740	19-574	130	Bern	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

### 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

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™ TORQUEABLE MICROCATHETERS

Prior to use, please see the complete Directions for Use for more information on Indications, Contraindications, Warnings, Precautions, Adverse Events, and Operator's Instructions.

**CAUTION:** Federal Law (USA) restricts this device to sale by or on the order of a physician.

**INDICATIONS:** 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.

**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)

**WARNING:** 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. 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. If other interventional devices are used with the microcatheter, then refer to that product labeling for intended use, contraindications and potential complications associated with the use of that interventional device. If other interventional devices are used with the microcatheter, then refer to that product labeling for intended use, contraindications and potential complications associated with the use of that interventional device. Always verify tip response under fluoroscopy and the position of the proximal portion of the microcatheter, to avoid shaft coiling and/or fracture. If resistance is felt during rotation of the microcatheter and there is no visible tip response, stop and rotate in the opposite direction to release tension. Should the shaft fracture under too much tension, attempt to advance a guidewire through the fracture point and past the distal lumen, or retract the microcatheter into the guiding catheter. Then withdraw the system in a smooth motion, minimizing any rotation and torquing.

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.



**Peripheral Interventions**  
One Boston Scientific Place  
Natick, MA 01760-1537 USA  
[www.bostonscientific.com](http://www.bostonscientific.com)

To order product or for more information contact customer service at 1.888.272.1001.

© 2013 Boston Scientific Corporation or its affiliates. All rights reserved.

PI-181204-AB DEC2013