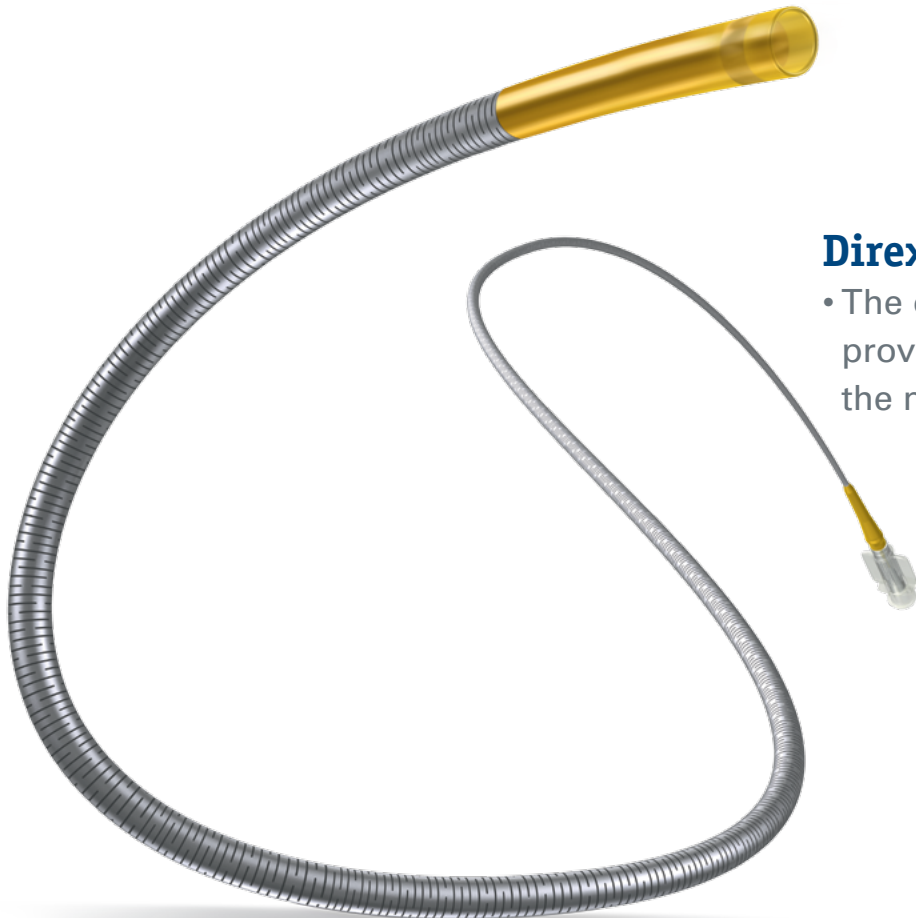
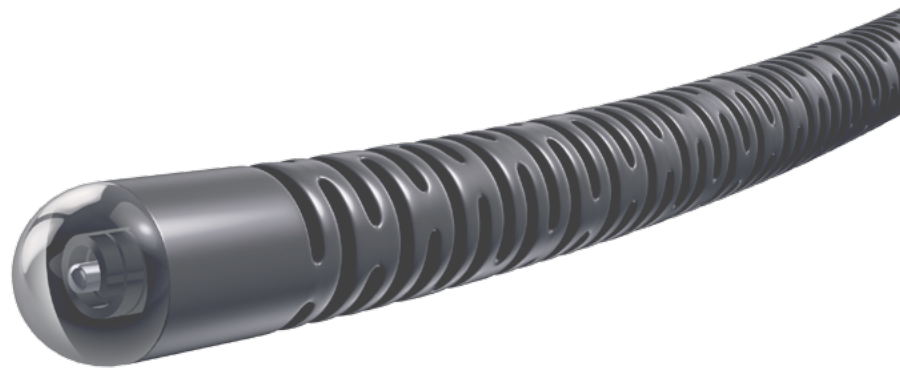


## Direxion and Fathom the complete radial solution

**NEW: Angled Tips Shapes and Radial Lengths!** The market leading Fathom-16 guidewire just got better. Fathom-16 is now available in pre-shaped tips to help access the most difficult vessels and 200+ cm lengths to give the extra reach you need for radial access procedures.

### Fathom-16 Guidewire

- NEW! 200 and 215 cm lengths
- NEW! Pre-Shaped Tip
- Unique Slotted Nitinol Design for added torqueability



### Direxion Microcatheter

- The only 155 cm microcatheters – providing additional reach for the most distal radial cases.

## Multiple Sizes for a Variety of Clinical Practice Situations

### New Tip Shapes and Lengths Fathom™ -16 Steerable Guidewires

| UPN        | Order Number | Total Length (cm) | Nitinol Tip Length (cm) | Distal Floppy Tip Length (cm) | Proximal/Distal O.D. (inches) | Tip Shape |
|------------|--------------|-------------------|-------------------------|-------------------------------|-------------------------------|-----------|
| M001509120 | 50-912       | 180               | 25                      | 10                            | 0.016                         | Angled    |
| M001509200 | 50-920       | 200               | 25                      | 10                            | 0.016                         | Straight  |
| M001509210 | 50-921       | 200               | 25                      | 10                            | 0.016                         | Angled    |
| M001509300 | 50-930       | 215               | 25                      | 10                            | 0.016                         | Straight  |
| M001509310 | 50-931       | 215               | 25                      | 10                            | 0.016                         | Angled    |

### Fathom™ -16 Steerable Guidewires

|            |        |     |    |    |       |          |
|------------|--------|-----|----|----|-------|----------|
| M001509000 | 50-900 | 140 | 25 | 10 | 0.016 | Straight |
| M001509010 | 50-901 | 140 | 35 | 20 | 0.016 | Straight |
| M001509100 | 50-910 | 180 | 25 | 10 | 0.016 | Straight |
| M001509110 | 50-911 | 180 | 35 | 20 | 0.016 | Straight |

### Fathom™ -14 Steerable Guidewires

|            |        |     |    |    |       |          |
|------------|--------|-----|----|----|-------|----------|
| M001508100 | 50-810 | 200 | 35 | 10 | 0.014 | Straight |
| M001508110 | 50-811 | 200 | 35 | 10 | 0.014 | Angled   |
| M001508140 | 50-814 | 300 | 35 | 10 | 0.014 | Straight |
| M001508150 | 50-815 | 300 | 35 | 10 | 0.014 | Angled   |

#### FATHOM-14 STEERABLE GUIDEWIRE

**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 FATHOM™ -14 Steerable Guidewire is intended for general intravascular use in the peripheral vasculature. It can be used to selectively introduce and position catheters and other interventional devices within the peripheral vasculature. This device should be used only by physicians trained in percutaneous, intravascular techniques and procedures. **CONTRAINDICATIONS:** None known.

**WARNINGS:** The FATHOM Steerable Guidewire is not intended for use in the coronary vasculature or the neuro vasculature. **ADVERSE EVENTS:** Complications attributed to endovascular procedures are the following: • Vessel trauma • Vessel damage • Embolism (catheter/device, air bubble, plaque, thrombus, air embolism, thromboembolism) • Pseudoaneurysm • Seizure/stroke • Vessel dissection • Hematoma at the puncture site • Nerve injury • Infection • Perforation of the vessel • Vessel spasm • Hemorrhage • Vascular thrombosis • Vessel occlusion • Death • Bleeding • Failed treatment • Inability to position guidewire • Damage to the catheter

#### FATHOM-16 STEERABLE GUIDEWIRE

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#### DIREXION 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)

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## DIREXION™ AND DIREXION HI-FLO™ Torqueable Microcatheter Family

### Direxion Microcatheter

| UPN        | Order Number | Usable Length | Tip Shape | RO Markers |
|------------|--------------|---------------|-----------|------------|
| M001195220 | 19-522       | 155           | Straight  | 1          |
| M001195250 | 19-525       | 155           | Bern      | 1          |
| M001195280 | 19-528       | 155           | J         | 1          |
| M001195310 | 19-531       | 155           | Swan      | 1          |
| M001195330 | 19-533       | 155           | Straight  | 2          |
| M001195350 | 19-535       | 155           | Bern      | 2          |

### Direxion HI-FLO Microcatheter

|            |        |     |          |   |
|------------|--------|-----|----------|---|
| M001195420 | 19-542 | 155 | Straight | 1 |
| M001195450 | 19-545 | 155 | Bern     | 1 |
| M001195480 | 19-548 | 155 | J        | 1 |
| M001195510 | 19-551 | 155 | 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 |
|------------|--------------|------------------------|--------------------|------------------------------------|
| M001195620 | 19-562       | 155                    | Straight           | 180                                |
| M001195650 | 19-565       | 155                    | Bern               | 180                                |
| M001195670 | 19-567       | 130                    | Bern (2RO)         | 180                                |

### Direxion Microcatheter HI-FLO Pre-Loaded System with Fathom-16 Guidewire

|            |        |     |          |     |
|------------|--------|-----|----------|-----|
| M001195720 | 19-572 | 155 | Straight | 180 |
| M001195750 | 19-575 | 155 | 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 |
|------------|--------------|------------------------|--------------------|--------------------------------------|
| 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.

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