

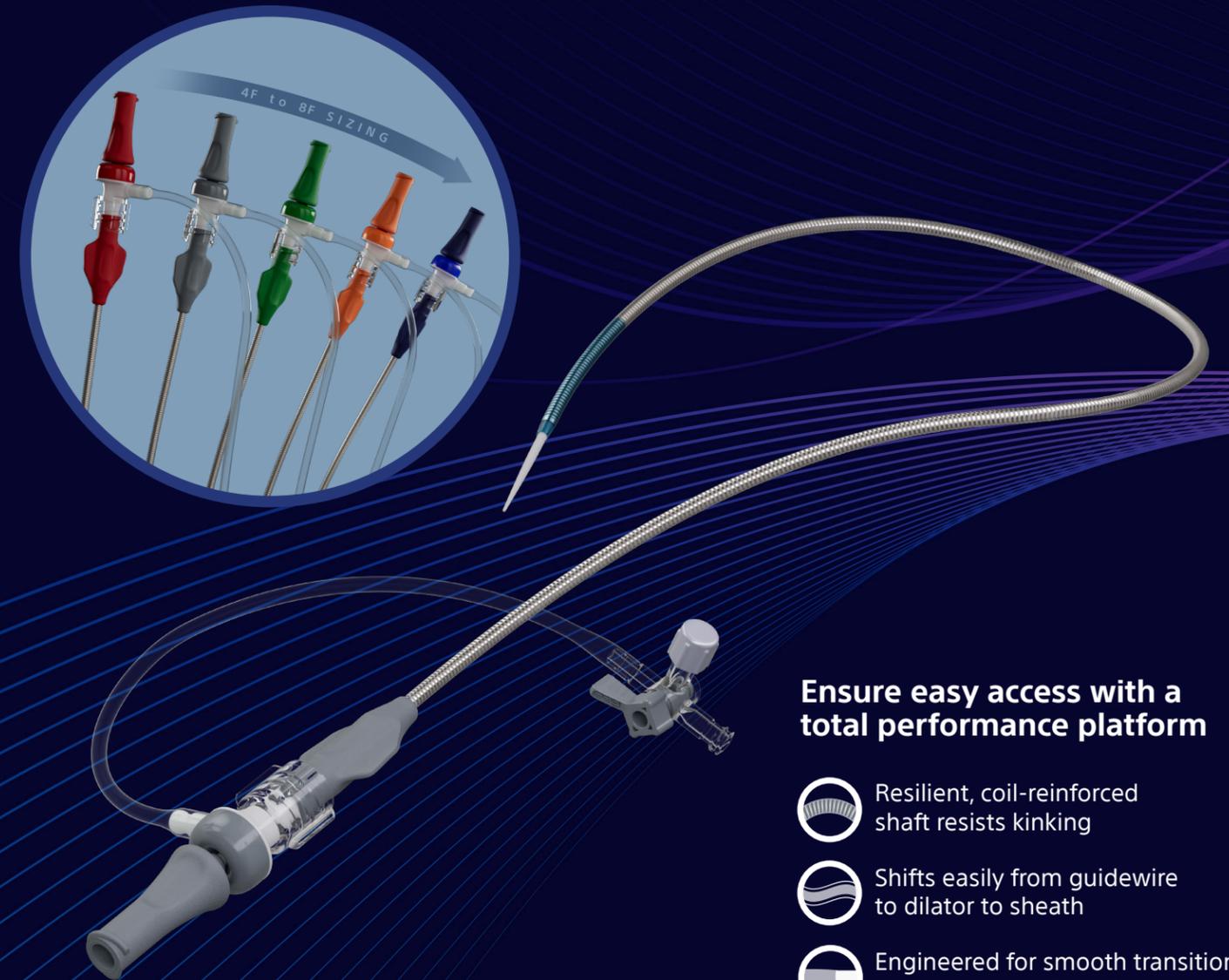
Ref Catalog Number	Material Description	GTIN
US-34015-F-ST-H	US, 4F, 15cm, Straight, 5pk	24251244501970
US-34045-F-ST-H	US, 4F, 45cm, Straight, 5pk	24251244501987
US-34060-F-ST-H	US, 4F, 60cm, Straight, 5pk	24251244501994
US-34090-F-ST-H	US, 4F, 90cm, Straight, 5pk	24251244502007
US-34130-F-ST-H	US, 4F, 130cm, Straight, 5pk	24251244502762
US-35015-F-ST-H	US, 5F, 15cm, Straight, 5pk	24251244502014
US-35045-F-ST-H	US, 5F, 45cm, Straight, 5pk	24251244502021
US-35045-F-MP-H	US, 5F, 45cm, Multipurpose, 5pk	24251244502038
US-35045-F-RDC-H	US, 5F, 45cm, Renal Double Curve, 5pk	24251244502045
US-35045-F-HS-H	US, 5F, 45cm, Hockey Stick, 5pk	24251244502052
US-35060-F-ST-H	US, 5F, 60cm, Straight, 5pk	24251244502069
US-35090-F-ST-H	US, 5F, 90cm, Straight, 5pk	24251244502076
US-35130-F-ST-H	US, 5F, 130cm, Straight, 5pk	24251244502779
US-36015-F-ST-H	US, 6F, 15cm, Straight, 5pk	24251244502083
US-36045-F-ST-H	US, 6F, 45cm, Straight, 5pk	24251244502090
US-36045-F-MP-H	US, 6F, 45cm, Multipurpose, 5pk	24251244502106
US-36045-F-LIMA-H	US, 6F, 45cm, Left Internal Mammary Artery, 5pk	24251244502113
US-36045-F-RDC-H	US, 6F, 45cm, Renal Double Curve, 5pk	24251244502120
US-36045-F-HS-H	US, 6F, 45cm, Hockey Stick, 5pk	24251244502137
US-36060-F-ST-H	US, 6F, 60cm, Straight, 5pk	24251244502144

Ref Catalog Number	Material Description	GTIN
US-36090-F-ST-H	US, 6F, 90cm, Straight, 5pk	24251244502151
US-36090-F-MP-H	US, 6F, 90cm, Multipurpose, 5pk	24251244502168
US-36090-F-RDC-H	US, 6F, 90cm, Renal Double Curve, 5pk	24251244502175
US-36090-F-HS-H	US, 6F, 90cm, Hockey Stick, 5pk	24251244502182
US-36130-F-ST-H	US, 6F, 130cm, Straight, 5pk	24251244502786
US-37015-F-ST-H	US, 7F, 15cm, Straight, 5pk	24251244502199
US-37045-F-ST-H	US, 7F, 45cm, Straight, 5pk	24251244502205
US-37045-F-MP-H	US, 7F, 45cm, Multipurpose, 5pk	24251244502212
US-37045-F-LIMA-H	US, 7F, 45cm, Left Internal Mammary Artery, 5pk	24251244502229
US-37045-F-RDC-H	US, 7F, 45cm, Renal Double Curve, 5pk	24251244502236
US-37045-F-HS-H	US, 7F, 45cm, Hockey Stick, 5pk	24251244502243
US-37060-F-ST-H	US, 7F, 60cm, Straight, 5pk	24251244502250
US-37090-F-ST-H	US, 7F, 90cm, Straight, 5pk	24251244502267
US-37090-F-MP-H	US, 7F, 90cm, Multipurpose, 5pk	24251244502274
US-37090-F-HS-H	US, 7F, 90cm, Hockey Stick, 5pk	24251244502281
US-38015-F-ST-H	US, 8F, 15cm, Straight, 5pk	24251244502298
US-38045-F-ST-H	US, 8F, 45cm, Straight, 5pk	24251244502304
US-38060-F-ST-H	US, 8F, 60cm, Straight, 5pk	24251244502311
US-38090-F-ST-H	US, 8F, 90cm, Straight, 5pk	24251244502328



## CATAPULT™ Guide Sheath

# Smooth Delivery Strong Support



### CATAPULT™ Guide Sheath

**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 Catapult™ Guide Sheath system is indicated to be used for introduction of interventional and diagnostic devices into the peripheral (and coronary) vasculature. **CONTRAINDICATIONS:** The Catapult Guide Sheath system is not designed, sold or intended for any use other than indicated. It is the responsibility of the physician to determine whether any physical impairment of the patient would contraindicate the use of this device. Do not attempt introducer sheath insertion or use if the following conditions apply: Anatomical irregularities in the patients extremities that could interfere with proper placement of the catheter. • An adjacent vascular access device that could compromise catheter care and cleanliness. • Prior trauma to vessels that could interfere with insertion of the catheter. • Infection or lesion near the insertion site. • Radial access is contraindicated if there is an abnormal Allen's Test, radial pulse, or insufficient dual arterial supply. **WARNINGS:** Read the instructions prior to use. • This device should only be used by or under the direction of physicians thoroughly trained in the technique of catheter delivery systems. • This device is intended for single use only. Do not reuse, resterilize or autoclave. Reuse of single use devices creates a potential risk of patient or user infections. Contamination of the device may lead to injury, illness or death of the patient. Cleaning, disinfection and sterilization may compromise essential material and design characteristics leading to device failure. CMI GmbH will not be responsible for any direct, incidental or consequential damages resulting from resterilization or reuse. • Do not alter this device. Alterations may impair function. • Do not attempt to advance or withdraw the introducer sheath, guide wire, catheter, or other interventional device if resistance is felt. Use fluoroscopy to determine the cause. If the cause cannot be determined and corrected, discontinue the procedure and withdraw the introducer sheath. Continued advancement or retraction against resistance may result in serious injury and / or breakage of the guide wire, introducer sheath, catheter or interventional medical device. • Do not use the device if the package or contents appear damaged in any way. • Protection tube from sheath and dilator must be removed prior to use. • Do not use the device with a power injector. • Verify compatibility of the introducer sheath, device, catheter and accessories prior to use. • Do not attempt to use a guide wire with a maximum diameter greater than specified on package label. Device damage or breakage may occur. • Do not attempt to insert a catheter or other interventional device with a diameter larger than the introducer sheath size indicated. Device damage or breakage may occur. • Observe sterile technique at all times when handling and inserting or removing the catheter. • Adequate heparinization must be maintained during the procedure. • Device contains metal parts: do not expose to MRI. • The medical techniques and procedures described in these instructions are presented as an example only, and do not represent ALL medically acceptable protocols. They are not intended as a substitute for the physicians experience and judgment in treating any specific patient. • Do not leave the introducer sheath in place for extended periods of time without a catheter or obturator to support the cannula wall. Radial access: • Prior to beginning radial artery access, an assessment such as the Allen's test should be performed to access the presence/adequacy of dualarterial circulation to the hand. **PRECAUTIONS:** Examine packaging and device before use. Do not use if either the packaging or device is damaged or if sterile barrier has been compromised. • The device is supplied sterile. The package will serve as an effective barrier until the "use by" (expiration) date printed on the box. • Do not expose to organic solvents. • Store in a cool, dry place, away from sunlight. • Before use, make sure the sheath (Fr.) and dilator size are appropriate for the access vessel and the system to be used. • Individual patient anatomy and physician technique may require procedural variations. • Do not attempt introducer sheath advancement or withdrawal without guide wire and dilator secured in place. Severe vascular damage and / or injury may occur. • Insertion into and removal from artery may cause excessive bleeding and / or other complications. **POTENTIAL COMPLICATIONS AND ADVERSE EVENTS:** Potential complications include, but are not limited to: Air embolism. • Bleeding. • Hematoma. • Infection / Sepsis. • Intimal tear. • Thromboembolism. • Thrombophlebitis. • Thrombosis. • Vessel spasm. • Perforation or laceration of the vessel wall. • Risks normally associated with percutaneous diagnostic and / or interventional procedures. Some of the complications listed could result in death or serious injury to the patient. **PI-1685807-AA.** All trademarks are the property of their respective owners.

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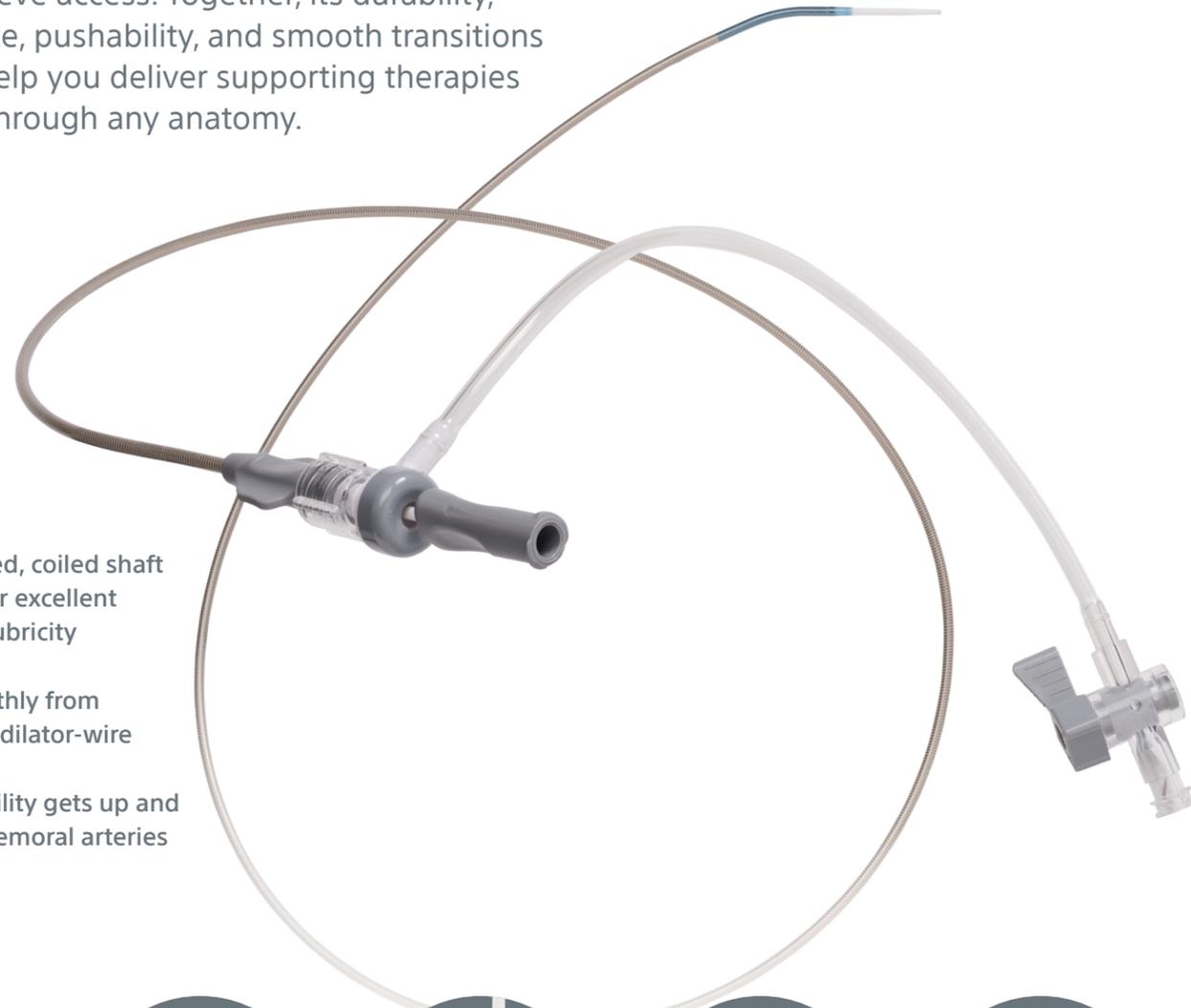
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### Ensure easy access with a total performance platform

- Resilient, coil-reinforced shaft resists kinking
- Shifts easily from guidewire to dilator to sheath
- Engineered for smooth transitions and procedural flexibility
- Versatile lengths  
15, 45, 60, 90, 130 cm

# Maximize efficiency with a balanced design

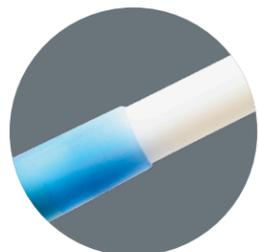
Designed to balance the competing priorities of support and atraumatic passage, the Catapult™ guide sheath completes a trusted CLI portfolio and expands your ability to achieve access. Together, its durability, kink-resistance, pushability, and smooth transitions combine to help you deliver supporting therapies successfully through any anatomy.



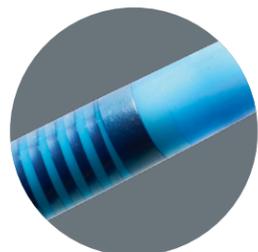
Hydrophilic-coated, coiled shaft with PTFE liner for excellent trackability and lubricity

Transitions smoothly from sheath-dilator to dilator-wire

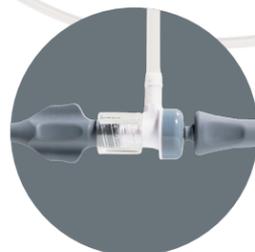
Excellent pushability gets up and over the arch in femoral arteries



Atraumatic tip for smooth, easy insertion



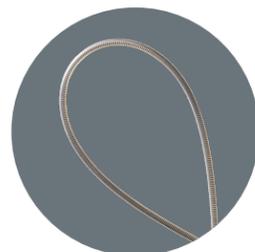
Platinum-iridium marker band for excellent radiopacity



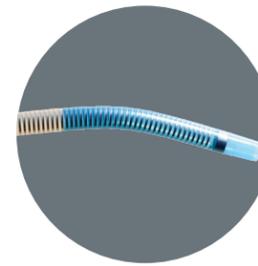
Dilator with audible snap-fit for safe insertion



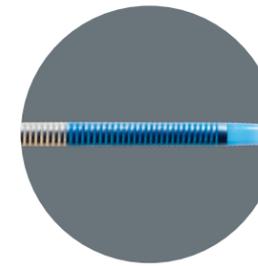
Detachable valve for more options in complex cases



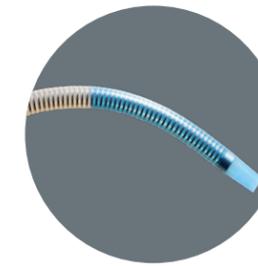
Smaller kink radius does not oval when curved



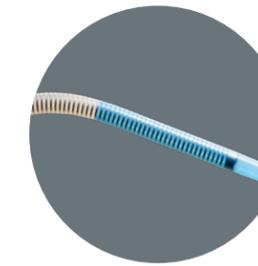
Multipurpose



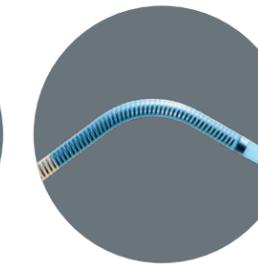
Straight



Renal Double Curve



Hockey Stick



Left Internal Mammary Artery

## Treat tortuous anatomy easily

Tortuous anatomy poses unique challenges. The Catapult guide sheath provides the lengths, sizes, control and performance to allow easier device passage in tight spaces, so interventionalists can provide the highest quality of care with confidence.

## Dependable performance across multiple tests

### Body Inner Diameter

Catapult's larger inner diameter (mm) allows more space for supporting therapies.



### Low Profile Transitions from Dilator to Sheath

When a sheath system bends at the distal end during insertion, a gap may adversely affect the procedure, but Catapult's lower profile gap with help limit trauma to the vessel.



### Kink Diameter

Catapult's kink resistance allows you to take the sheath in more spaces without worrying about the device's integrity



### Ovality Under Bending

With its reinforced coiling, Catapult is able to maintain both its inner and outer diameter limiting the ovaling effect, resulting in better device passage for all therapies.

