

*Cordis*<sup>™</sup>



RADIAL **360**<sup>™</sup>

ADVANCING RADIAL SOLUTIONS

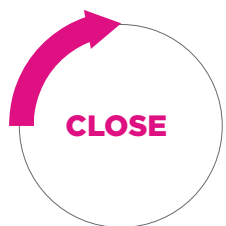
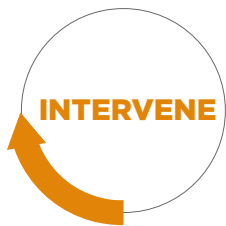
A COMPLETE RANGE OF PRODUCTS THAT STREAMLINES  
THE PROCEDURE



# INTRODUCING

RADIAL **360™**

A COMPLETE PORTFOLIO OF ADVANCED, INTEGRATED SOLUTIONS





CORDIS CATHETER TECHNOLOGY

# RAIN SHEATH™ INTRODUCER

## DESIGNED TO REDUCE THE RISK OF RADIAL ARTERY TRAUMA AND SPASM<sup>1</sup>



### ULTRA-LOW PROFILE DESIGN ▶

Enables maximum operating space while minimizing puncture size



### PROPRIETARY KINK RECOVERY TECHNOLOGY™ ▶

Elastomeric properties allow the RAIN Sheath™ Introducer to bend and flex to maintain lumen integrity



### LUBRICIOUS HYDROPHILIC COATING ▶

Facilitates smoother, easier insertion and removal



### HEXACUSPID HEMOSTASIS VALVE ▶

Designed to optimize device control while preserving hemostasis and reduce the risk of bleeding through the valve

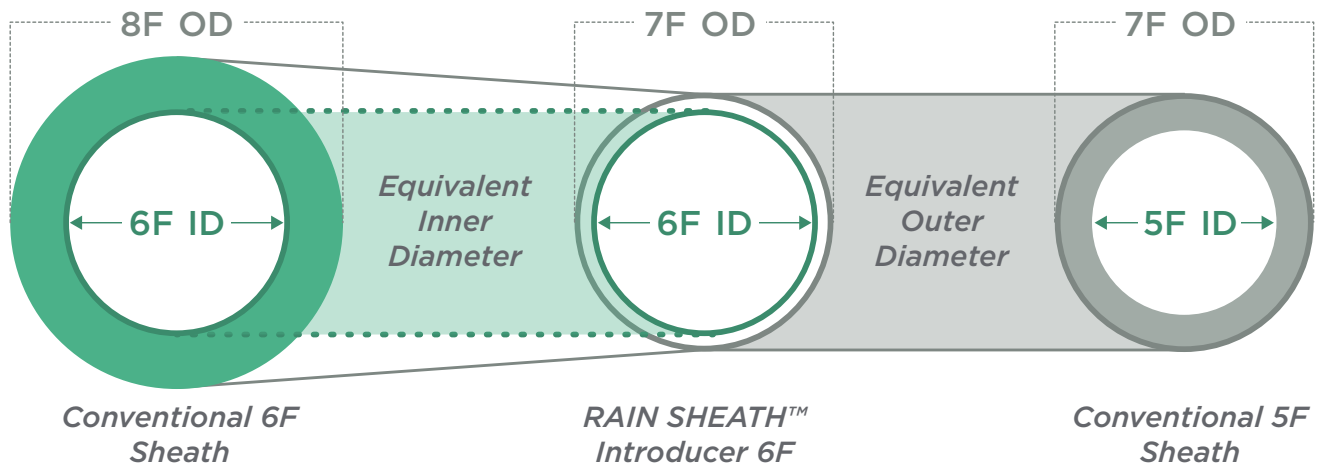


TRANSRADIAL SHEATH



ACCESS: RAIN SHEATH™ INTRODUCER

# ULTRA-LOW PROFILE DESIGN<sup>1</sup>

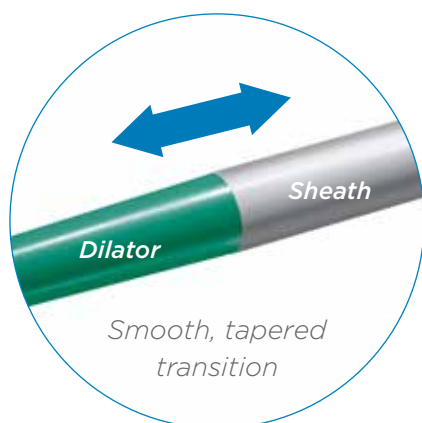


Lower profile means same sheath ID with a smaller OD. "6F in 5F" means you are getting a 6F lumen operating area with a sheath OD that is the same OD as the conventional 5F.

## LOW PROFILE WITH OPTIMAL GUIDE CATHETER SUPPORT

Available in 4F, 5F, 6F, 7F and 10 cm and 16 cm lengths

- Provides structure and stability without adding thickness
- Optimizes operating space while minimizing the access size
- Minimizes radial puncture size, a key factor in reducing vessel spasm and radial artery occlusion<sup>1</sup>



## OPTIMIZED TRANSITIONS

- Designed for atraumatic insertion
- Smooth transitions and tapered tip to reduce insertion force

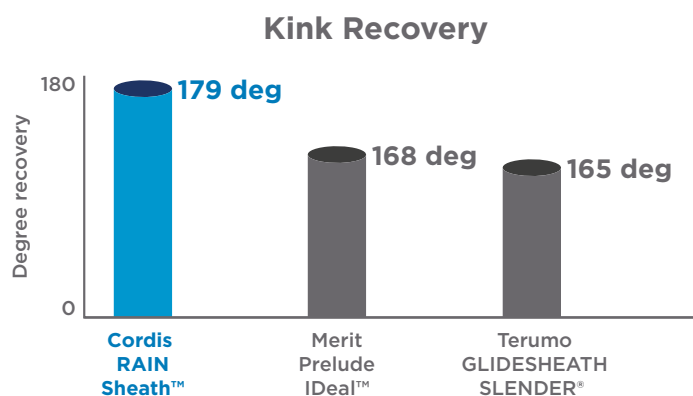


ACCESS: RAIN SHEATH™ INTRODUCER

# KINK RECOVERY TECHNOLOGY™1

## DESIGNED TO REDUCE THE RISK OF KINKING AND LIKELIHOOD OF ARTERIAL SPASM

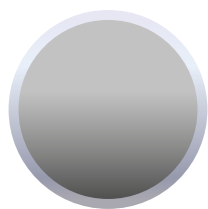
- Elastomeric kink resist and recovery technology enables the RAIN Sheath™ Introducer to maintain its atraumatic shape throughout the procedure
- Kink recovery feature reduces the need to exchange sheaths mid-procedure



180 degree is complete recovery

Data on file at Cordis.

## RAIN SHEATH™ INTRODUCER



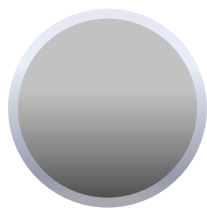
### INITIAL PROFILE

*Catheter is smooth.*



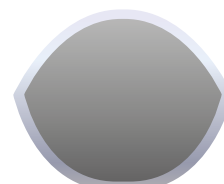
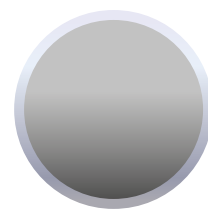
### KINK OCCURS

*Upon encountering a kink, the catheter is compressed.*



*In comparison to other leading brands, RAIN SHEATH™ Transradial Introducer is designed with unique elastomeric material properties which help reducing the impact of kinking - avoiding the sharp edges that can injure the vessel wall and contribute to complications (see chart above).*

## OTHER LEADING BRANDS



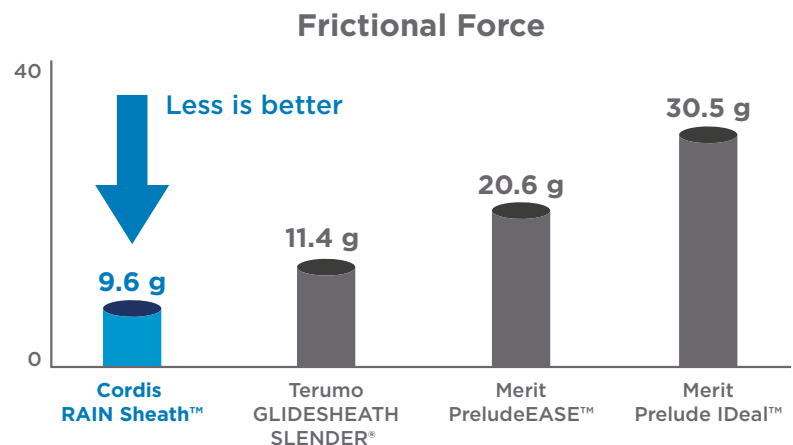


ACCESS: RAIN SHEATH™ INTRODUCER

# HYDROPHILIC COATING<sup>1</sup>

## MAXIMUM LUBRICITY AND DURABILITY

- Lubricious hydrophilic coating designed to reduce the risk of radial spasm
- Hydrophilic coating facilitates smooth insertion and removal



Data on file at Cordis.



# HEXACUSPID HEMOSTASIS VALVE<sup>1</sup>

## DESIGNED TO MINIMIZE BLEEDBACK

- Designed to optimize device control while preserving hemostasis
- Optimizes sealing, helping to minimize blood loss



## ACCESS: RAIN SHEATH™ INTRODUCER NEEDLES

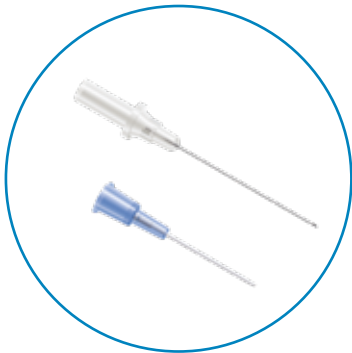
### 3 TYPES OF NEEDLES

Cordis offers a variety of needles designed for radial access. Options include a 21G metallic needle for anterior wall puncture methods, and two sizes of IV catheter needles for double-wall puncture.



#### 21G METALLIC NEEDLE

- Best-in-class needle sharpness\*
- Reduced insertion force\*
- Echogenic surface
- Bevel indicator
- 21G x 4.0 cm length



#### 22G IV CATHETER

- Double-wall puncture method
- Translucent hub to visualize bleedback
- 22G x 2.5 cm length
- No bevel indicator



#### 20G IV CATHETER

- Double-wall puncture method
- Translucent hub to visualize bleedback
- 20G x 3.2 cm length
- No bevel indicator

\* Bench testing results compared to competitive 21G metallic needles (Merit, Terumo, Cook).



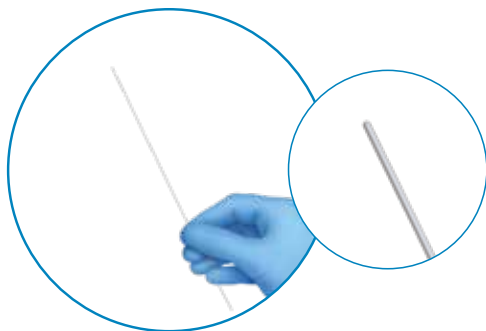


## ACCESS: RAIN SHEATH™ INTRODUCER

# MINI-WIRES

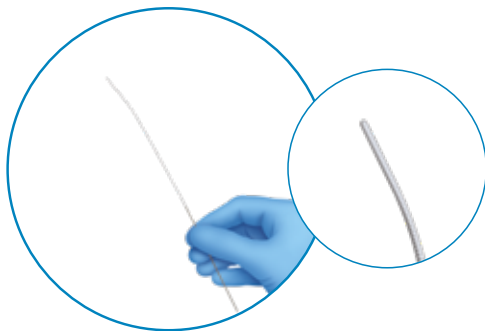
### 3 TYPES OF MINI-WIRES

Cordis offers a wide range of shapes and wire configurations, to accommodate various needle types and user preferences.



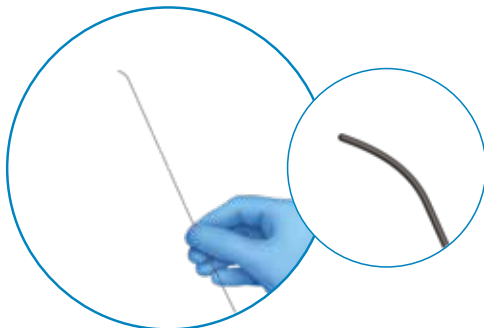
#### STAINLESS STEEL WIRE

- Flex Straight tip
- 0.021" diameter x 45 cm length
- For use with 21G metallic needles



#### NITINOL WIRE

- Floppy tip
- Bare wire: For use with 21G metallic needles, 0.021" diameter x 43 cm length
- Hydrophilic wire: For use with 20G IV catheters, 0.021" diameter x 45 cm length



#### POLYMER WIRE

- Shortangle tip
- 0.021" diameter x 45 cm length
- For use with 20G and 22G IV Catheter needles



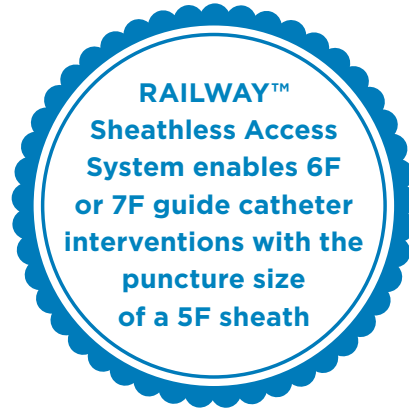
# RAILWAY™ SHEATHLESS ACCESS SYSTEM

## THE VERSATILE SYSTEM FOR REDUCING ACCESS UP TO 2F<sup>1</sup>



### SMALLER THAN ANY RADIAL SHEATH OF THE SAME FRENCH SIZE ▶

- Reduce risk of spasm and occlusion<sup>2</sup>
- Treat more complex lesions via radial access<sup>1</sup>



RAILWAY™ Sheathless Access System enables 6F or 7F guide catheter interventions with the puncture size of a 5F sheath



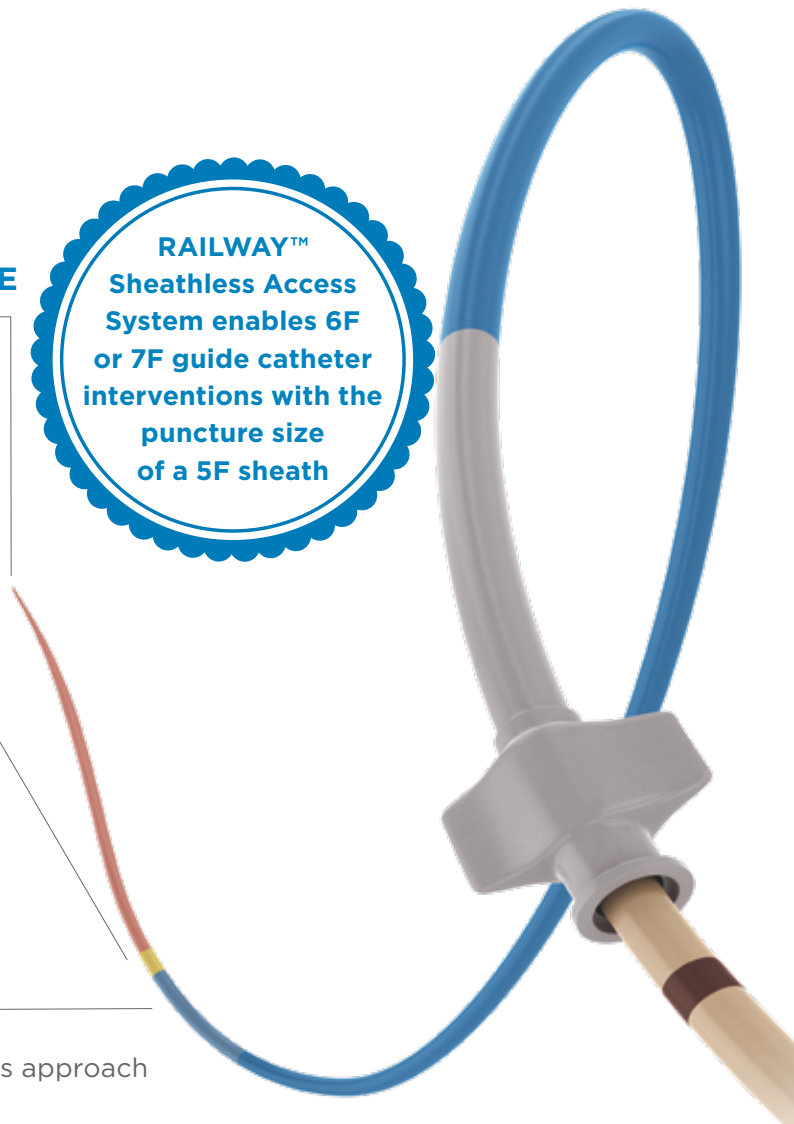
### COMPATIBILITY ▶

- Works with hundreds of guiding catheters<sup>1</sup>
- Available in 5F, 6F, and 7F sizes



### VERSATILITY ▶

- Access with purely sheathless approach for planned interventions
- Increase guiding catheter French size following angiography with a sheath
- Facilitates guide catheter tracking through the radial anatomy, with or without a sheath




**CONVERT YOUR PREFERRED GUIDE INTO A RADIAL SHEATHLESS ACCESS SYSTEM**



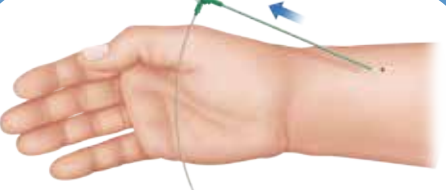
ACCESS: RAILWAY™ SHEATHLESS ACCESS SYSTEM

# 3 EASY WAYS TO USE




**1 REDUCING ACCESS PROFILE**

For your planned procedure, the RAILWAY™ System can be used for a completely sheathless intervention— from access to closure, optimizing operating space while minimizing the access size.



**2 UPSIZE WHEN NEEDED**

Upsizing for ad hoc interventions (removing the sheath). Minimize sheath size for angiography and when required, upsize to a larger guiding catheter for intervention without increasing puncture size.



**3 FACILITATE TRACKING**

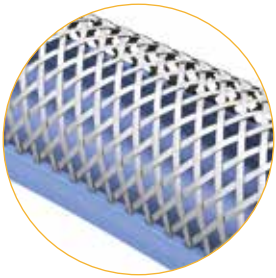
Sheath or sheathless—use the RAILWAY™ System to facilitate guide catheter tracking through the radial anatomy, up to the subclavian artery.

**CONTACT YOUR CORDIS REPRESENTATIVE**  
LEARN HOW THE RAILWAY™ SHEATHLESS ACCESS SYSTEM CAN FIT INTO YOUR PRACTICE

# INFINITI™ Diagnostic Catheters & SUPER TORQUE™ PLUS Diagnostic Catheters

## AVAILABLE IN AN EXTENSIVE RANGE OF DEDICATED AND UNIVERSAL SHAPES, INCLUDING THE RBL-TG™ AND RBL-JK™

The RBL-TG™ and RBL-JK™ universal shapes allow you to cannulate both the left and right coronary artery with a single catheter and are available in both our nylon **INFINITI™** and polyurethane **SUPER TORQUE™ Plus Diagnostic Catheter** lines – two different materials, and two distinct options for how the catheter feels in your hand.



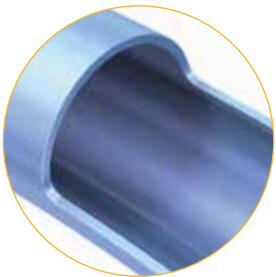
### DIRECT RESPONSE

High density braiding for outstanding responsiveness and one to one torque control



### KINK RESISTANCE

Braided construction for excellent pushability without compromising kink resistance



### TRUE LUMEN DESIGN

True Lumen design with thin wall technology for a consistent lumen diameter that facilitates easy injections and higher flow rates<sup>1</sup>



**RBL-TG™ & RBL-JK™ UNIVERSAL SHAPES NOW AVAILABLE IN BOTH INFINITI™ AND SUPER TORQUE™ PLUS DIAGNOSTIC CATHETERS**

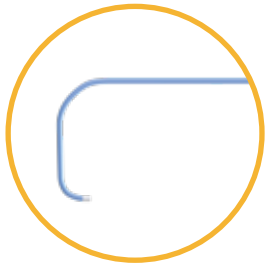
<sup>1</sup> Only available on the INFINITI™ Diagnostic Catheter.



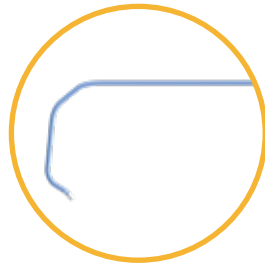
DIAGNOSE: CORDIS CATHETER TECHNOLOGY

# OUR LEADING PORTFOLIO NOW WITH MORE SHAPES

## UNIVERSAL SHAPES



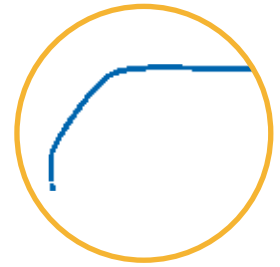
*RBL-TG™*



*RBL-JK™*

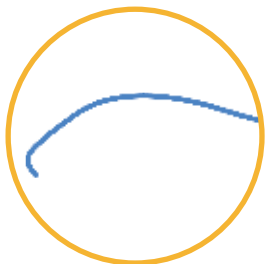


*RBL*

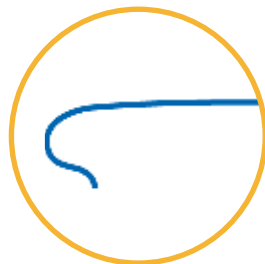


*Barbeau*

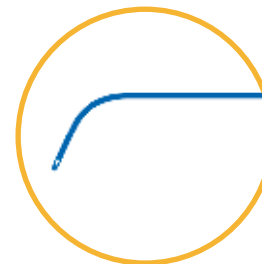
## DEDICATED AND SPECIAL SHAPES



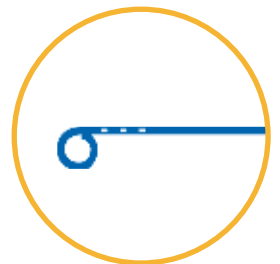
*Judkins Right*



*Amplatz Left*



*Multipurpose*



*Straight Pigtail*

- Judkins Left
- Amplatz Right
- Sones
- Internal Mammary

- Coronary Bypass
- 3DRC (Williams)
- SRC (Noto)
- NIH

- El Gamal
- Castillo
- Radial/Brachial (Tilon)
- Angled Pigtail (Van Tassel)

**REFERENCE OUR CARDIOVASCULAR CATALOG FOR MORE INFORMATION**



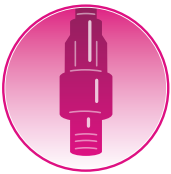


# ZEPHYR™ VASCULAR Compression device (VCD)



## **DOUBLE BONDED RADIAL BALLOON**

The ZEPHYR™ VCD band helps clinicians achieve patent hemostasis with firm downward pressure and clear visualization of the puncture site



## **INTERCHANGEABLE SYRINGE CONNECTION**

Easy to use: universally compatible with standard luer syringes



## **SOFT FLEXIBLE BAND**

Compliant elastomeric band for patient comfort and firm compression balloon for patent hemostasis

# ADVANCING RADIAL SOLUTIONS



PLEASE CONTACT YOUR CORDIS REPRESENTATIVE FOR  
ADDITIONAL PRODUCT AVAILABILITY INFORMATION  
OR VISIT [HTTPS://CORDIS.COM/EMEA/HOME](https://cordis.com/emea/home)

#### REFERENCES:

1. Data on file
2. Saurabh Sanon and Rajiv Gulati, "Slender Approach and Sheathless Technique", *Interventional Cardiology Clin* 4 (2015) 161-166

CE CE  
2797 2460

For healthcare professionals only.

**Important information:** Prior to use, refer to the instructions for use supplied with this device for indications, contraindications, side effects, suggested procedure, warnings and precautions. As part of its continuous product development policy, Cordis reserves the right to change product specifications without prior notification.

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