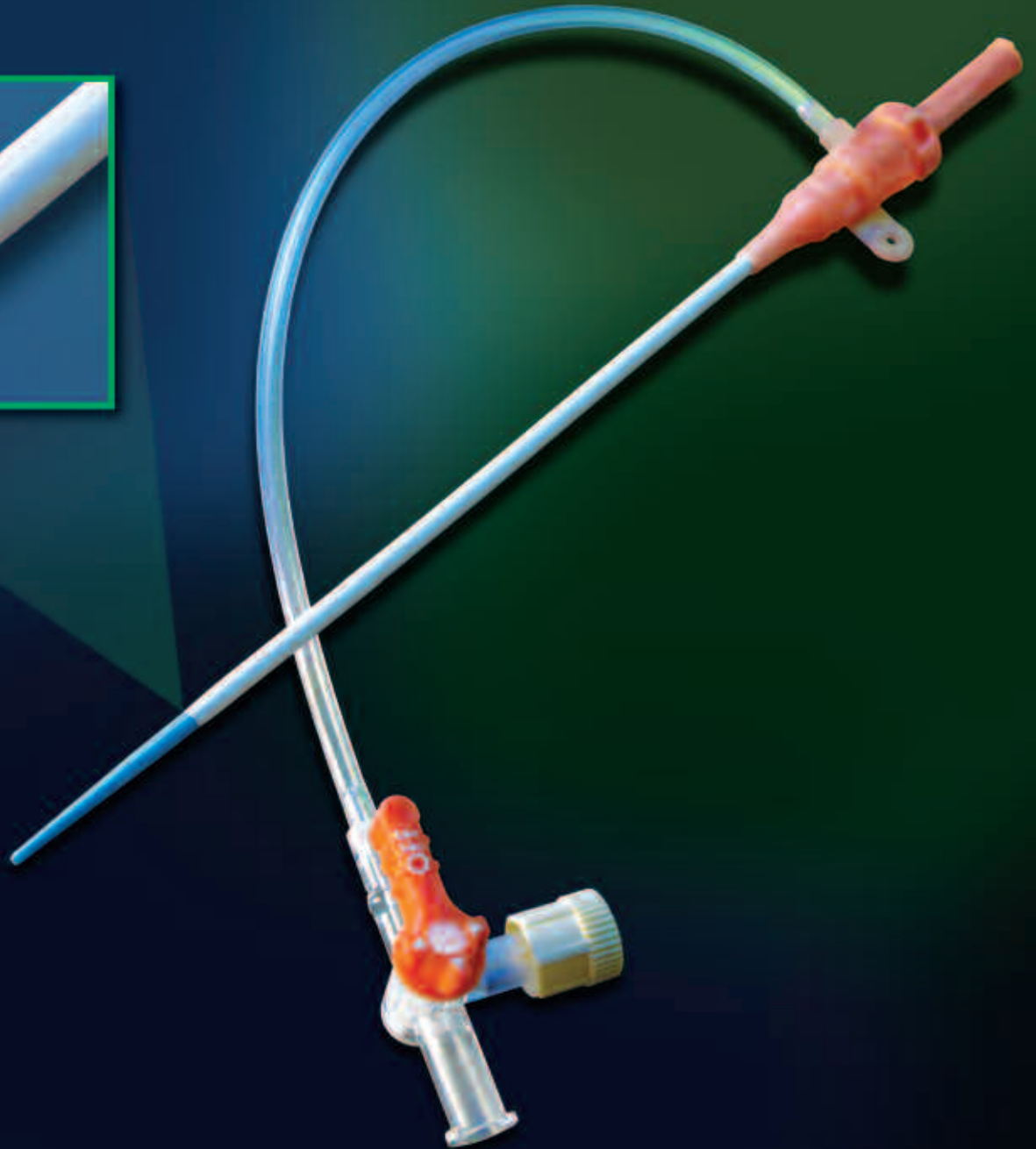


# The New Pinnacle TIF Tip™



Discover the difference a truly seamless transition can make. This is TERUMO Territory.

# The new Pinnacle TIF Tip™ introducer sheath

## Setting a new standard for smooth vascular access – every time.

When is a sheath not just another sheath? When it's Terumo's TIF Tip, the newest technology to deliver safe, easy, dependable vascular access even for the most challenging access sites. Terumo's new premium Pinnacle Total Integrated Fit (TIF) Tip represents an advance in introducer sheath technology.

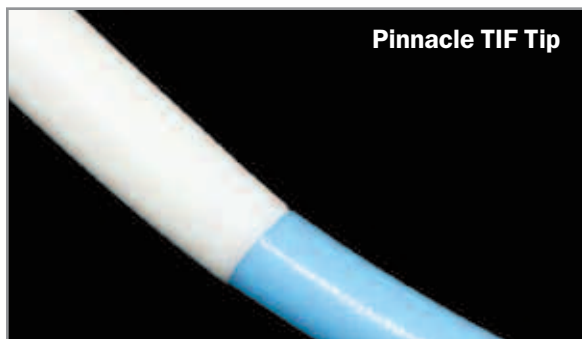
- Seamless guidewire-to-dilator and dilator-to-sheath transition reduces risk of gaps and arterial damage
- Perfectly round end hole and nearly flawless tip ensure smooth entry
- Flexible, seamless construction may help to reduce complications

- Reduced risk of arterial damage may enhance patient outcomes after even the most challenging arterial access procedures

**Laboratory tests** show that inserting the Pinnacle TIF Tip requires up to 24% less force\* than competitor sheaths.

- Performs well in simulated difficult access sites and tissue
- Retains smooth transitions from guidewire-to-dilator and from dilator-to-sheath
- May aid in the reduction of vessel damage and trauma at the access site that can lead to major complications

## Seamless dilator-to-sheath transition for superior vascular access



### New Premium Pinnacle TIF Tip

- Transition from guidewire-to-dilator and dilator-to-sheath is extremely smooth
- Bends and flexes without gapping or kinking
- Minimizes the possibility of damaging tissue upon sheath entry, advancement or removal. May lead to smoother, easier vascular access even through difficult access sites



### Competitor Sheaths

- Other competitor sheaths can form a gap between the sheath and dilator
- Sharp edge can catch on tissue or damage artery walls



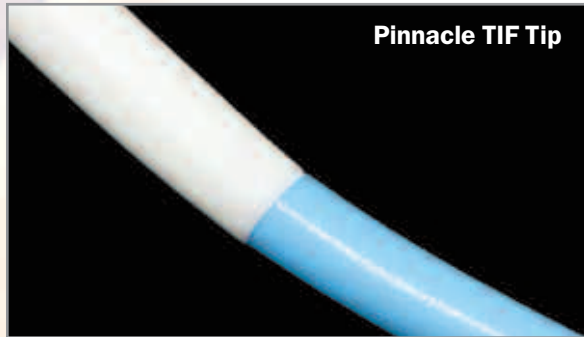
## An advancement in introducer sheath technology

Terumo's new sheath tip manufacturing process produces a perfectly round, clean edge, resulting in lower resistance and less penetration force required.

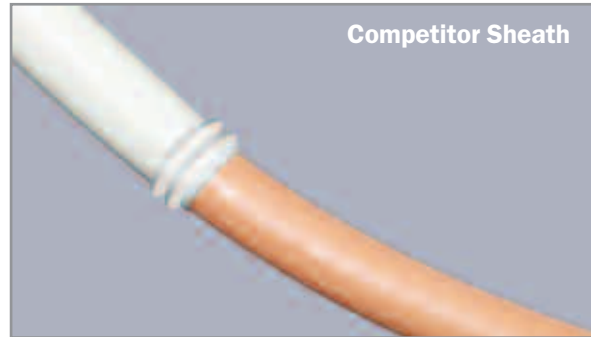
Competitor sheath tips may have imperfections that can cause injury to tissue or arterial walls.

# Pinnacle Total Integrated Fit (TIF) Tip

## Less penetration force means better sheath integrity

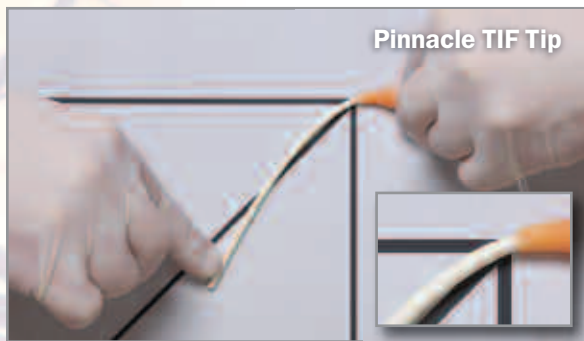


Pinnacle TIF Tip provides access to vessel with less pressure, retaining a smooth dilator-to-sheath transition with no deformation.\*

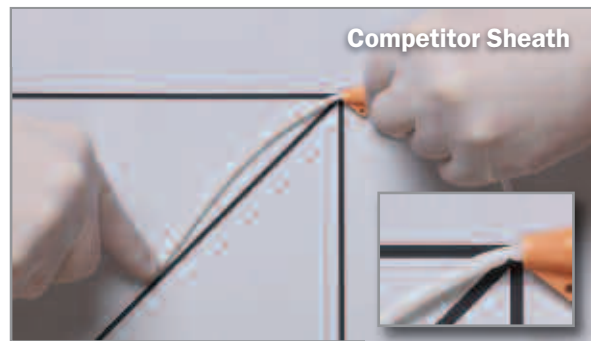


Competitor sheaths may buckle or "accordion" due to force needed for insertion as illustrated above during bench top testing.\*

## Excellent flexibility for maximum kink resistance

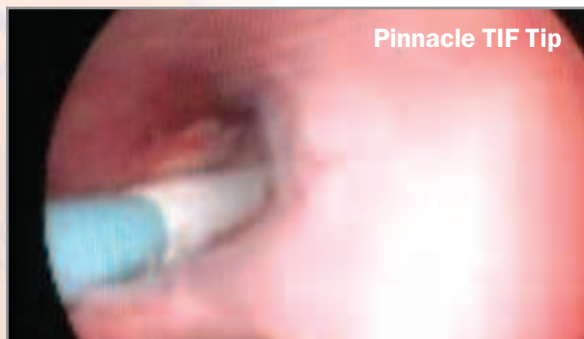


Pinnacle TIF Tip flexes beyond 45-degree angle without kinking or collapsing.\*

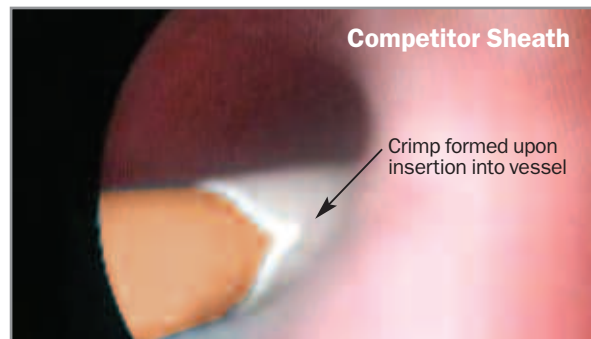


Competitor's sheath kinked at 45-degree angle during bench top testing.\*

## Pinnacle TIF Tip is less likely to deform, resulting in easier, safer insertion



Pinnacle TIF Tip sheath advances over dilator with no gaps or crimps.\*†



Competitor sheaths can deform during insertion, forming a sharp crimp.\*†

† Images taken in-vivo through endoscope during cadaver study.

\* Data on file. Terumo Medical Corporation.

# Terumo—A Global Leader in Medical Devices

In addition to the Pinnacle TIF Tip enhancements, the following features are standard within the Pinnacle family of products.

- Kink-resistant design helps maintain lumen patency throughout the procedure
- Terumo Cross-Cut Valve maintains uncompromised hemostasis
- Small outside diameter and large inside diameter reduces the size of the access site without compromising ease of device passage

## Pinnacle TIF Tip™ Ordering Information

### Pinnacle TIF Tip for Peripheral Applications

Product Code	Length (cm)	French Size (FR)	Dilator Protruding Length (cm)	Mini Guidewire Diameter (in)
10-2031	10	5	2.5	0.035
10-2032	10	6	2.5	0.035
10-2033	10	7	2.5	0.035
10-2034	10	8	2.5	0.035

### Pinnacle TIF Tip for Coronary Applications

Product Code	Length (cm)	French Size (FR)	Dilator Protruding Length (cm)	Mini Guidewire Diameter (in)
10-2531	10	5	2.5	0.038
10-2532	10	6	2.5	0.038
10-2533	10	7	2.5	0.038
10-2534	10	8	2.5	0.038

Packaged 10 per box and include dilator and guidewire.

#### Terumo Introducers

Pinnacle® Introducer Sheaths  
Pinnacle® Destination® Guiding Sheaths  
Pinnacle® R/O II Radiopaque Marker Introducer Sheaths  
Pinnacle® R/O II HiFlo Introducer Sheaths  
Glidesheath™ Introducer Sheaths  
Glidewire® Access Micro Accessing Systems  
GlideAccess™ Micro Accessing Systems

#### Terumo Guidewires

Glidewire® Hydrophilic Coated Guidewires  
Glidewire® GT Hydrophilic Coated Guidewires  
Glidewire® Gold Hydrophilic Coated Guidewires  
Runthrough™ NS Coronary Guidewire

#### Terumo Angiographic Catheters

Glidecath® Hydrophilic Coated Catheters  
Glidecath® XP Hydrophilic Coated Catheters

#### Terumo Microcatheters

Progreat™ Hydrophilic Coated Microcatheters  
Progreat™ Coaxial Microcatheter Systems

#### Terumo Radial Compression Devices

TR Band™ Radial Compression Devices

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AZUR™ Peripheral HydroCoil® Embolization Systems  
Bead Block™ Compressible Microspheres

#### Terumo Accessories

Torque Device  
Obturator

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TERUMO INTERVENTIONAL SYSTEMS