NAVIGATE COMPLEX PROCEDURES WITH CONFIDENCE
NAVICROSS® Support Catheter Portfolio design and construction delivers:

• Proven best-in-class performance in pushability, wire support and kink resistance\(^1,\text{a}\)

• Provides optimal torque control and an ideal crossing profile

\(^1\text{When compared to Quick-Cross Support Catheter, CXI Support Catheter, and TrailBlazer Support Catheter during mechanical bench testing.}\)

PUSHING BOUNDARIES

Terumo Interventional Systems is committed to your success with innovative procedural solutions and ongoing support for your most challenging cases.

We are relentlessly seeking new ways to help you apply effective solutions and achieve better outcomes for more patients.
Unmatched Pushability

Test Protocol
This test measured the ratio of load that is transmitted to the distal tip when the catheter is pushed from the proximal end.

Clinical Benefit
Having higher transmission ratio enables:
- Greater transfer of force along the catheter shaft
- Reduced lag time between operator hand and tip movement
- Greater distal tip control

NAVICROSS® double-braided stainless steel construction provides an unmatched force transmission ratio.

Clinical Benefit
Having increased wire support enables:
- Better wire control
- Increased wire pushability across complex lesions
- Decreased wire slop/buckling within the support catheter

NAVICROSS® Catheter Construction
Double-braided stainless steel design runs the length of the device, giving optimal column strength without the disadvantage of distal to proximal tapering.

NAVICROSS® double-tapered tip

Highest Wire Support

Test Protocol
This test measured how much power the wire generated at the tip when it was pushed 2.5 mm at the proximal end.

Clinical Benefit
The NAVICROSS® tapered tip provided the highest wire support.

NAVICROSS® Catheter Construction
A near-seamless catheter-to-guidewire transition provides increased wire support, which may increase lesion crossing capability.

*When compared to Quick-Cross Support Catheter, CXI Support Catheter, and TrailBlazer Support Catheter during mechanical bench testing
**Optimal Torque Control**

**Test Protocol**

Using 0.035" catheters, this test model mimicked moderate tortuosity and acute takeoffs typically found in iliac bifurcations. 0.035" catheters were rotated at the proximal end, and distal tip response measurements were recorded.

**Clinical Benefit**

- Greater hub-to-tip response
- Increased catheter and wire control
- Aid to the operator in vessel and microchannel selection, as well as wire advancement

**NAVICROSS® 0.035" double-braided stainless steel construction provides optimal torque control, avoiding overshooting and minimizing delayed tip response.**

**Highest Kink Resistance**

**0.035" Catheter Test Protocol**

Each 0.035" catheter’s kink resistance was established by winding them around pegs of varying sizes, beginning at 10 mm diameters and reducing at 1 mm increments.

**0.018" Catheter Test Protocol**

Each 0.018" catheter’s kink resistance was established by compressing the proximal end of the catheter against resistance to assess its maximum breaking strength as measured in gram-force (gf).

**Clinical Benefit**

Having a higher kink resistance enables:

- Better navigation through tortuous anatomy
- Retention of luminal integrity
- Reduced need for replacement devices

**NAVICROSS® Catheter Construction**

Improved strain relief at the hub and double-braided design give NAVICROSS® increased column strength, which may help to prevent catheter kinking and maintain inner lumen integrity.

*As demonstrated by mechanical bench testing performed on 0.035" catheter platforms.*
**Smallest Crossing Profile**

**Test Protocol**
Tested 0.035" catheter outer diameters were measured to determine the smallest crossing profile. Images were also taken to show catheter-to-guidewire transitions.

**Clinical Benefit**
Having a low crossing profile enables:
- Improved wire support
- Smoother catheter tracking through complex lesions and tortuous anatomy

**NAVICROSS® Catheter Construction**
Double-tapered tip provides the smallest crossing profile, giving a near-seamless catheter-to-guidewire transition to aid in crossing simple or complex lesions.

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NAVICROSS® 0.035" has the smallest crossing profile with an 0.037" OD. It also has a double-tapered tip, which aids in a seamless transition from catheter to guidewire.

*As demonstrated by testing performed on 0.035" catheter platforms.*
NAVICROSS® 0.018” Catheter

Minimum Sheath Compatibility: 2.6 Fr

Three Radiopaque Markers
- Markers facilitate accurate assessment of position
- Unique spacing provides easy measurement of common stent and balloon sizes
- Initial marker is 1 mm from distal tip; 40 mm and 60 mm spacing

Double-braided stainless steel
Affords best-in-class pushability and torque control for lesion crossing

Telescoping Capability
NAVICROSS® 0.018” is designed to telescope through NAVICROSS® 0.035”

Straight and Angled Tips
Tips allow access to vascular branches, including BTK collaterals

NAVICROSS® 0.035” Catheter

Minimum Sheath Compatibility: 4 Fr

Double-braided stainless steel
Affords best-in-class pushability and torque control for lesion crossing

12 mm Tapered Tip
Provides seamless guidewire-to-catheter transition, facilitating lesion access and crossing

Straight and 30º Angled Tips
Tips allow access to vascular branches, including BTK collaterals
## NAVICROSS® 0.018" Support Catheter

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<th>PRODUCT CODE</th>
<th>WIRE COMPATIBILITY</th>
<th>CATHETER LENGTH</th>
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**FIND OUT MORE**

- **US:** 800.862.4143
- **US:** terumois.com
- **Fax:** 800.411.5870

**Reference:**

**RX ONLY.** Refer to the product labels and package insert for complete warnings, precautions, potential complications, and instructions for use.

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