

MASTER YOUR PROCEDURES WITH UNMATCHED PERFORMANCE



Navicross[®] Support Catheters

Benchtop testing from TERUMO Corporation in Japan compares NAVICROSS[®] to other 0.035" support catheters:

- Quick-Cross[™] Support Catheter
- CXI[®] Support Catheter
- TrailBlazer[™] Procedural Support Catheter

Results show that NAVICROSS design and construction provided best-in-class performance.



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.



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

Clinical Benefit

the catheter shaft

hand and tip movement

• Greater distal tip control

Having higher transmission ratio enables::

• Greater transfer of force along

• Reduced lag time between operator



 $\mathsf{NAVICROSS}^{\circledast}$ double-braided stainless steel

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[®] Support Catheters

Highest Wire Support

Test Protocol

Three tests measured how much power the wire generated at the tip when it was pushed 2.5 mm, 5 mm, and 10 mm at the proximal end. The average between all three measurements was calculated.



The NAVICROSS[®] tapered tip provided the highest wire support.



NAVICROSS® double-tapered tip

Clinical Benefit

Having increased wire support enables:

- Better wire control
- Higher wire pushability across complex lesions
- Decreased wire slop / buckling within the support catheter

NAVICROSS[®] Catheter Construction

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

Optimal Torque Control

Test Protocol

The test model mimicked moderate tortuosity and acute takeoffs typically found in iliac bifurcations. The catheter was rotated at the proximal end, and the distal tip response measurement was recorded.



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

Clinical Benefit

Having optimal torque control enables:

as well as wire advancement



NAVICROSS[®] angled tapered tip

NAVICROSS[®] Catheter Construction

Double-braided stainless steel design runs the length of the device, resulting in near 1:1 torque. Combined with the 30° angled version, it provides the operator with an ideal solution for Above-the-Knee (ATK) and Below-the-Knee (BTK) lesion crossing.





Navicross

Support Catheters

Smallest Crossing Profile

Test Protocol

All catheter outer diameters were measured to determine the smallest crossing profile. Images were also taken to show catheter-to-guidewire transitions.



NAVICROSS[®] 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.

Clinical Benefit

Improved wire support

Having a low crossing profile enables:

• Smoother catheter tracking through

complex lesions and tortuous anatomy



NAVICROSS[®] double-tapered tip

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.

Most Kink Resistant

Test Protocol

Each 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.

	Loop Diameter (mm)						
NAVICROSS®	10	9	8	7	6	5	4
Quick-Cross™	10	9	8	7	6		
TrailBlazer™	10	9	8	7	6		
CXI [™]	10	9	8	7	6		

n=5

NAVICROSS[®] has the highest kink resistance, having the ability to wrap around a 4 mm peg without kinking.



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 gives NAVICROSS[®] increased column strength, which may help to prevent catheter kinking and maintain inner lumen integrity.



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 achieve better outcomes for more patients.

NAVICROSS[®] Support Catheters

PRODUCT CODE	WIRE COMPATIBILITY	CATHETER LENGTH	TIP SHAPE
NC35650	0.035"	65 cm	Straight
NC35651	0.035"	65 cm	30° Angle
NC35900	0.035"	90 cm	Straight
NC35901	0.035"	90 cm	30° Angle
NC35130	0.035"	135 cm	Straight
NC35131	0.035"	135 cm	30° Angle
NC35150	0.035"	150 cm	Straight
NC35151	0.035"	150 cm	30° Angle



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 30° Angled Tips

Tips allow access to vascular branches, including BTK collaterals

Three Radiopaque Markers

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

Minimum Sheath Compatibility: 4 Fr

FIND OUT MORE |
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For Rx only. Before using refer to Instructions for Use for indications, contraindications as well as warnings and precautions at www.terumois.com.

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