# Technowood®

SoftNAV
CATHETER

for CARDIAC CATHETERIZATION

SoftNAV Catheter

A Complete Line of Diagnostic Catheters
For All Your Cath Lab Needs
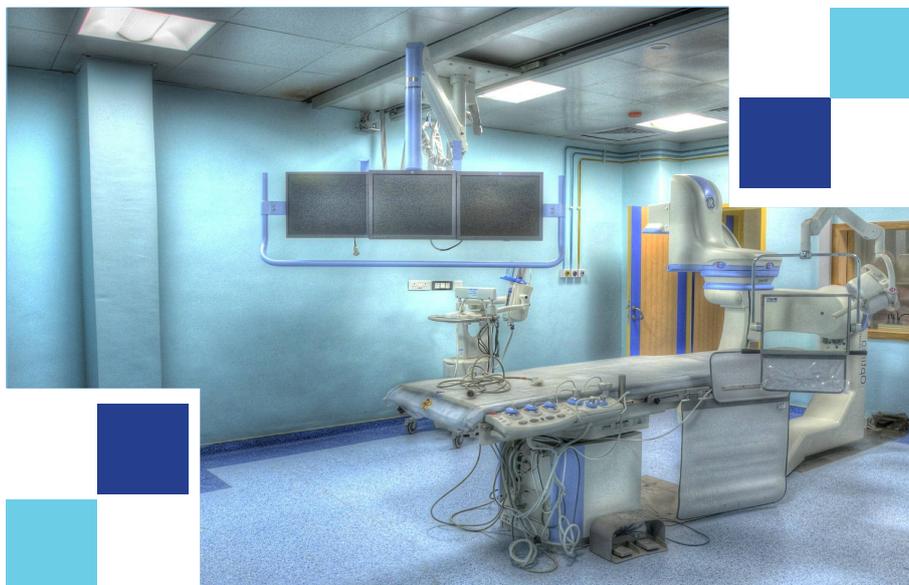
SPECIFICATIONS	4Fr	5Fr
Material	Polyamide (nylon)	
Guidewire Size	0.035" / 0.038" *refer to product label for GW size*	
Inner Diameter	1.10mm	1.20mm
Maximum Flow	18ml/sec	22ml/sec
Maximum Pressure	1200 psi/8274kPa	
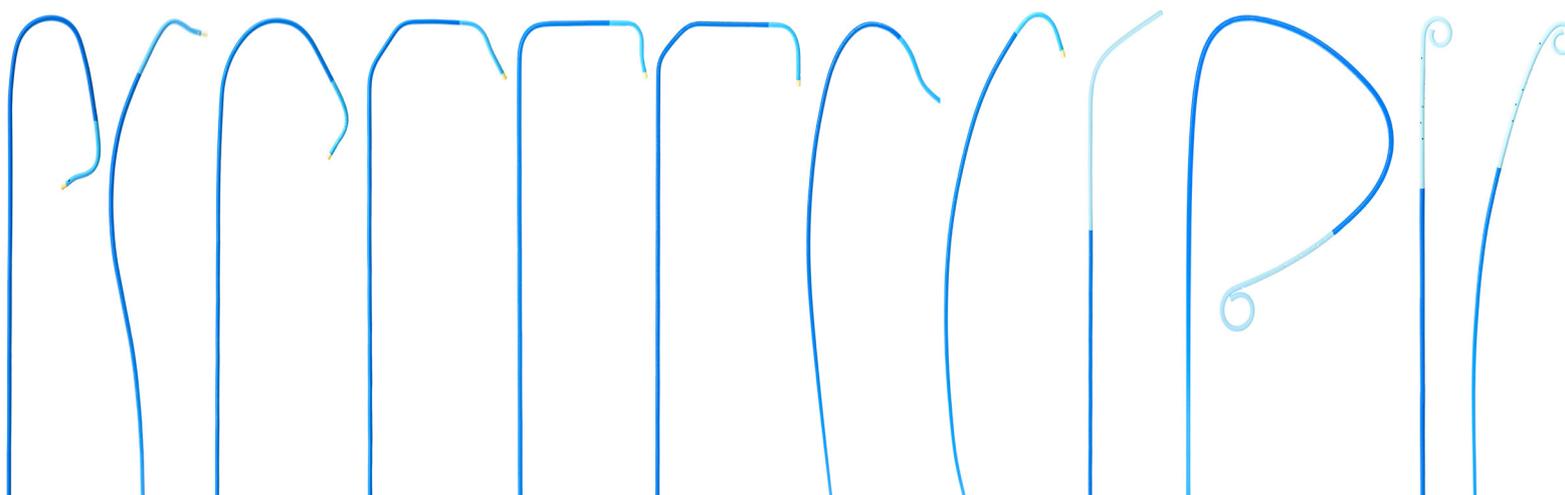
Choose from
2 CATHETER BODY TYPES

FL *FLEXIBLE*   # SL *STIFF*
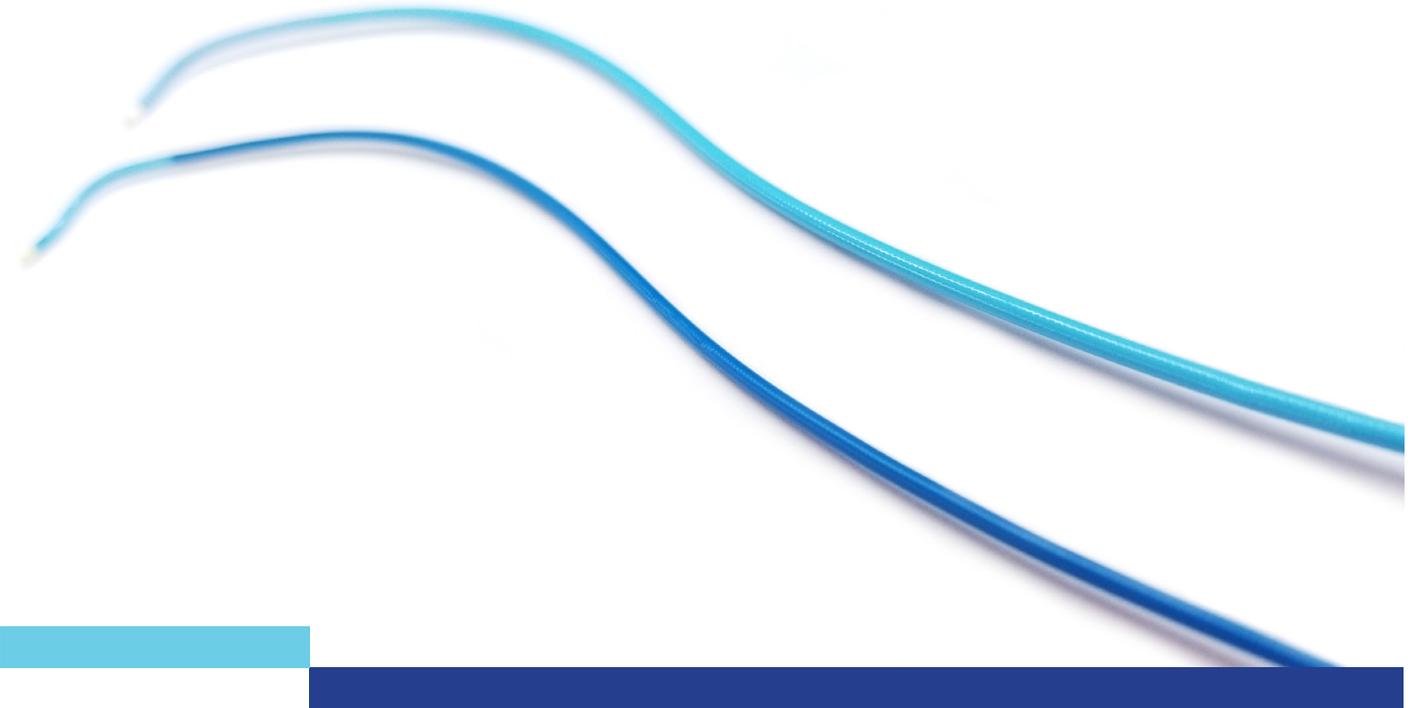
FLEXIBILITY

The FL catheter's flexible body can easily pass through the curvatures of the blood vessels, lessening the risk of contact trauma to the patient.

PUSHABILITY

The force applied by the physician at the catheter hub is easily transmitted through the stiff body to the tip in order to smoothly advance the catheter to the target location.

TRACKABILITY

FL catheters can easily follow the guidewire even through sharp curves without dislodging the guidewire from its intended position.

TORQUEABILITY

The SL catheter's braided shaft was designed to give 1:1 torque response for better maneuverability and control, especially in tortuous vessels.

SoftNAV Catheter
features

LARGE LUMEN

The SoftNav catheter's large inner lumen improves patient safety and comfort without sacrificing optimal contrast flow during the procedure.

The SoftNAV catheter's thin walls create a larger lumen to provide an ideal contrast flow for a better angiographic image despite a smaller French size.

1.10mm **SoftNAV 4Fr**

1.05mm **Regular 4Fr**
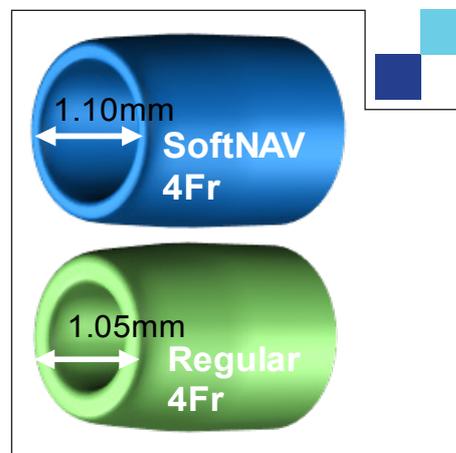
UNIQUE SHAPES

SoftNAV catheters come in various shapes designed to match patient's anatomical needs without compromising clinical efficacy.

JUDKINS SAFETY

JUDKINS MODIFIED

MULTICURVE PIGTAIL

KIMTAC
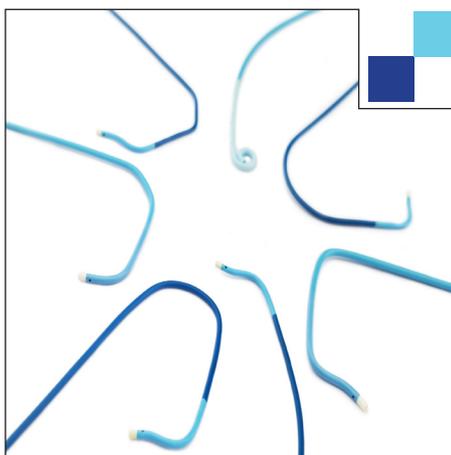
105cm LENGTH

An extra 5 cm was added to the standard 100 cm catheter length to allow smooth, easy passage through narrow, tortuous vessels found in elderly patients. This length is also suitable for taller patients or for reaching visceral arteries from a left sided approach.
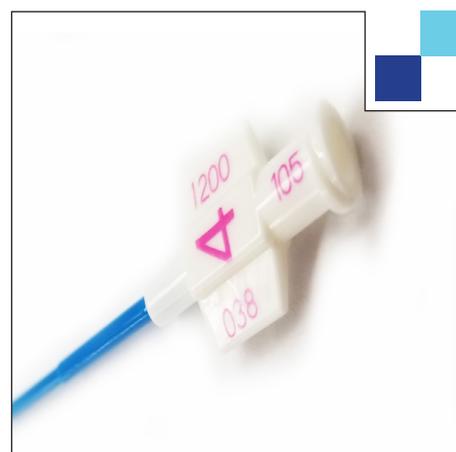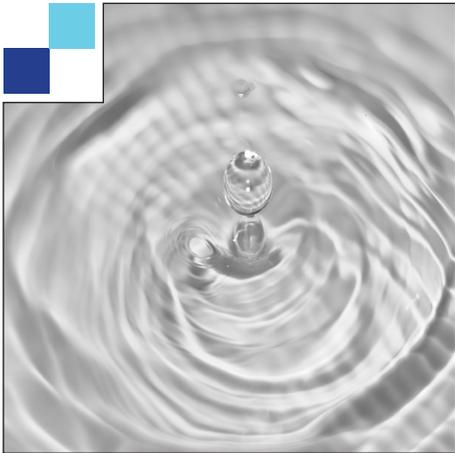
HYDROPHILIC COATING

60 cm of the distal shaft of all SoftNAV catheters are hydrophilic coated.

The hydrophilic coating causes decreased frictional resistance, making it easier for the catheter to navigate through narrow, tortuous vessels. It also helps in reducing contact damage to body cells, lessening the risk of spasm and thromboembolism.
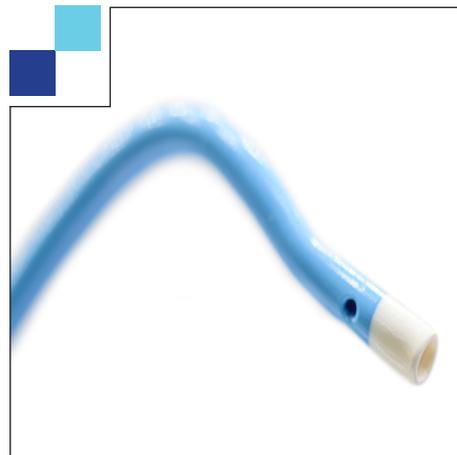
ATRAUMATIC TIP

SoftNav catheter's tip (both FL and SL type) is soft and flexible to reduce the risk of injury and trauma to vascular walls
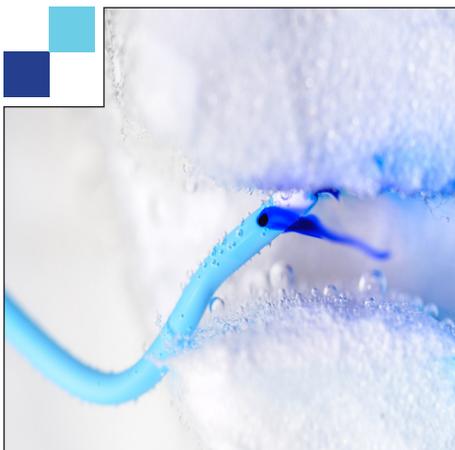
SIDEHOLES

Sideholes near the tip allow the contrast medium to disperse when the tip is wedged into the arterial walls. Without the sidehole, pressure buildup from the injection flow will likely injure the coronary artery.

Judkins MODIFIED

Designed for elderly patients whose aortas are oriented towards the horizontal axis (unfolded aorta).

Advancing age causes changes in the structure of the vascular system. Because of constant exposure to pulsatile stress, the ascending aorta lengthens forming what is called a "horizontal aorta" which changes the orientation of the coronary ostium as well.

50yo   70yo
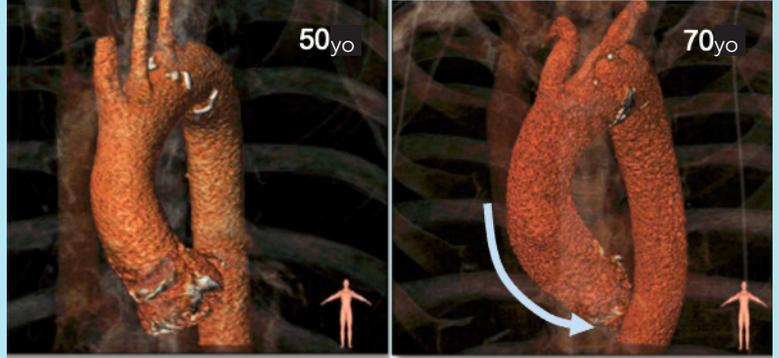
JR Modified

Compared to a standard JR catheter, the JR Modified has a more modest angle and a shorter tip for an easier engagement with an inferior right coronary artery.

JR   JR MODIFIED

JR   JR MOD
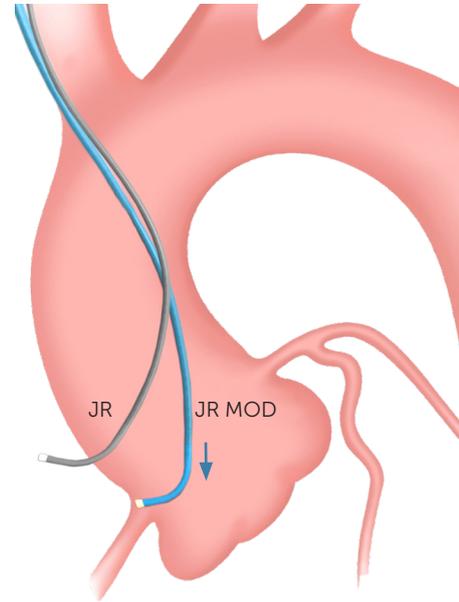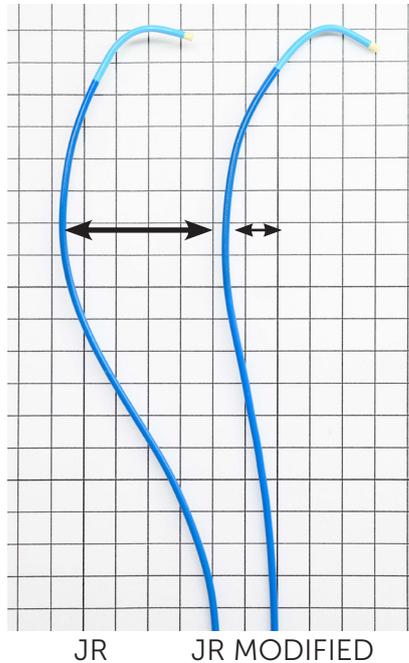
JL Modified

Compared to a standard JL catheter, the JL Modified has a tighter angle and increased curve length. This makes it easier to engage the "higher" left coronary artery in a horizontal aorta.


JL   JL MODIFIED

JL MOD

JL
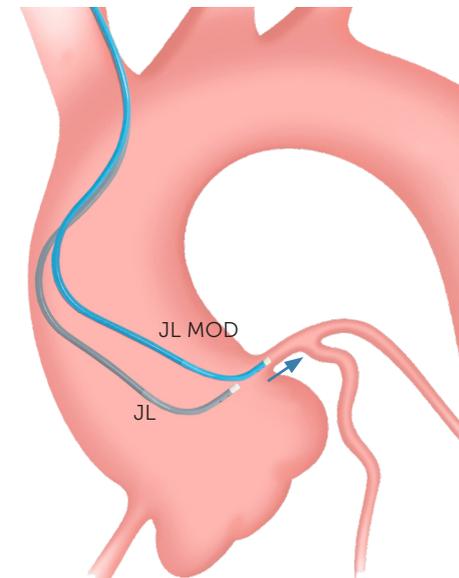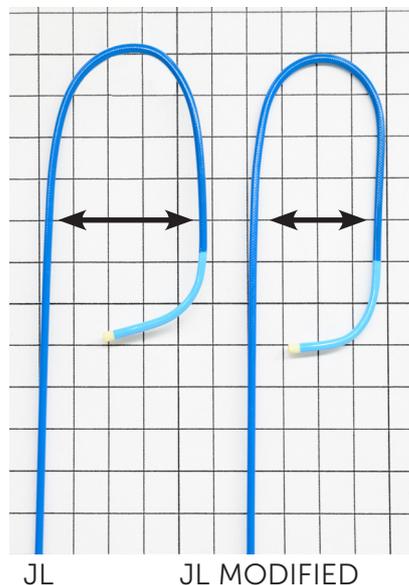
Judkins SAFETY

Unique curve at the tip allows for an easy coaxial engagement and minimized risk of arterial injury.

angiogram images:

Judkins Standard

Technowood Judkins Safety

JR

JR SAFETY

JL
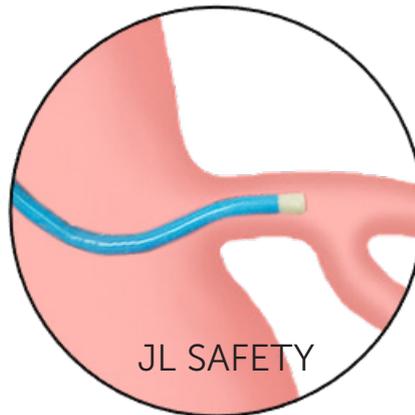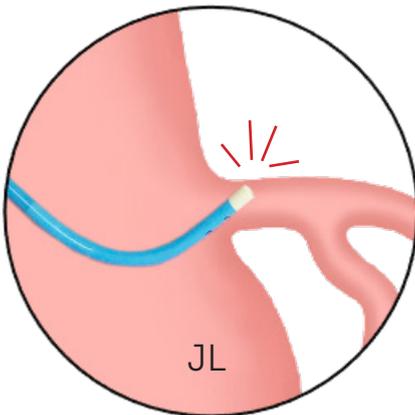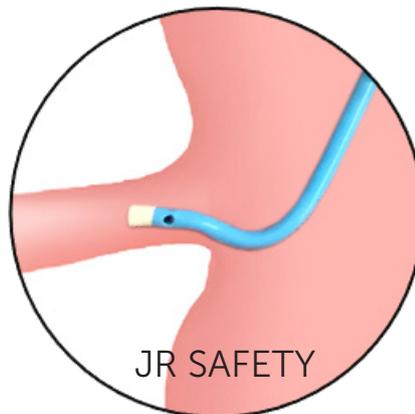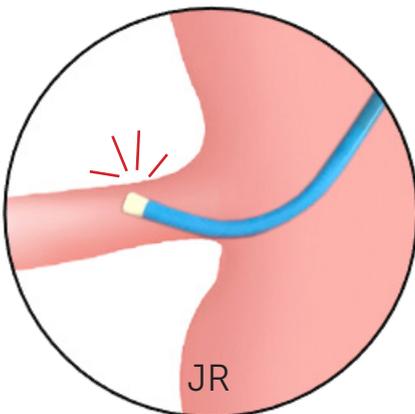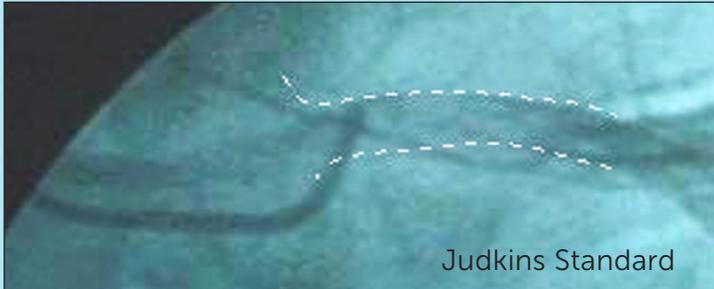
JL SAFETY

When engaging the coronary ostium with a standard Judkins, the tip is usually oriented upwards towards the arterial walls. This involves a risk of arterial injury, even dissection, when contrast is injected.

With the Judkins Safety, the tip follows the natural curve of the vessel, ensuring a proper coaxial engagement and reducing the risk of vascular damage.
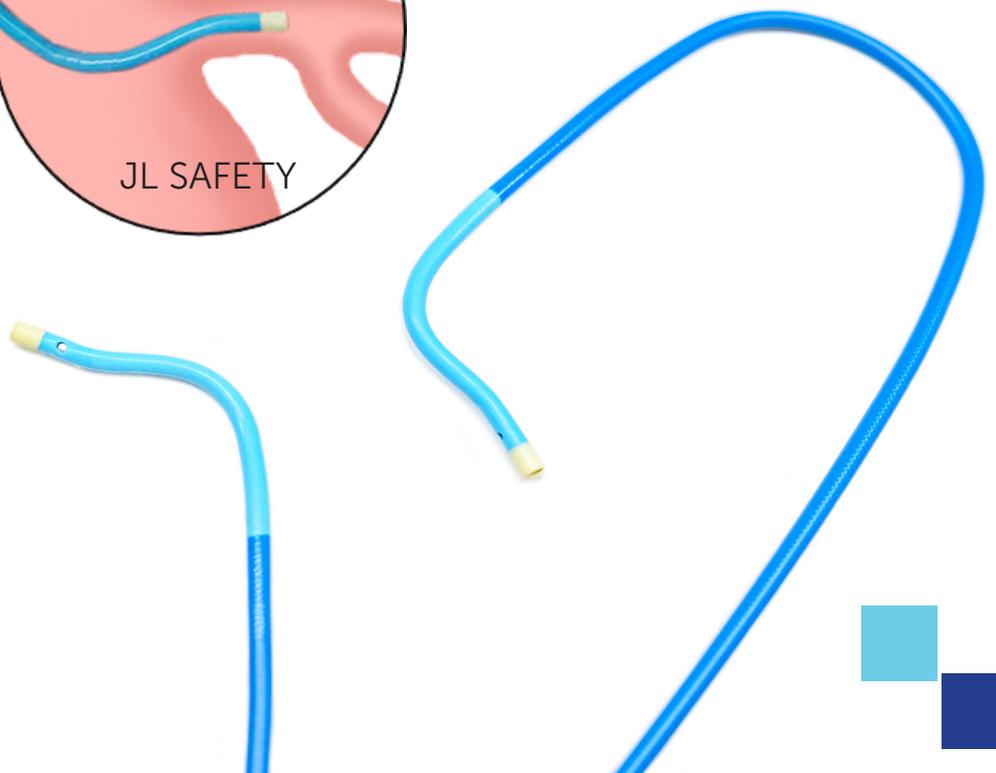
UNIVERSAL shapes

Single catheter that can be used in both right and left coronary arteries,

KIMTAC II
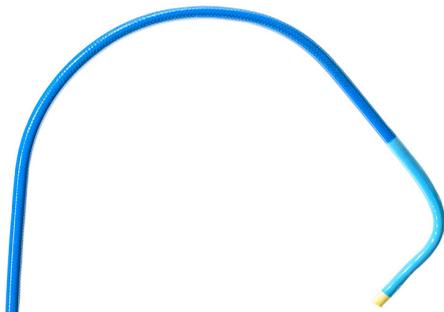
The 45° secondary curve provides good backup support and easy coaxial engagement to both coronary ostia. Its curved tip reduces the risk for injury to the arterial walls, improving patient safety.

TORANOMON

The secondary and tertiary curve provides a strong backup support to maintain the catheter's position throughout the procedure.

MITSUDO

With its 90° secondary curve and curved tip, the Mitsudo allows for a quick and safe coaxial engagement of the coronary ostia.

SAITO

The secondary and tertiary curve provides a strong backup support. Also, its curved tip points away from the arterial walls, decreasing the risk of vascular injury.

PIGTAIL

For stable and rapid delivery of contrast medium to large blood vessels like the aorta or the ventricles.

8mm LOOP

Designed to easily pass through the aortic valve.

17 SIDEHOLES

17 non-linear, non-spiral sideholes are positioned on the distal 3cm of the catheter to maximize contrast distribution while reducing catheter movement. Combined flow rates from all the sideholes and distal end ensure clear angiographic images with less contrast usage and reduced catheter whipping, resulting to reduced risk of premature ventricular contraction (PVC) occurences.

UNIQUE SHAPE: Multicurve

Its soft curve and nonspiral side holes lessens the risk of catheter recoil and whipping during ventriculography.

Nishiya
Amplatz
Multipurpose
Internal mammary
Amplatz right modified
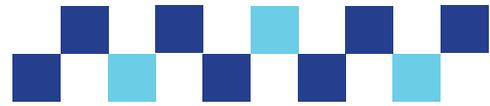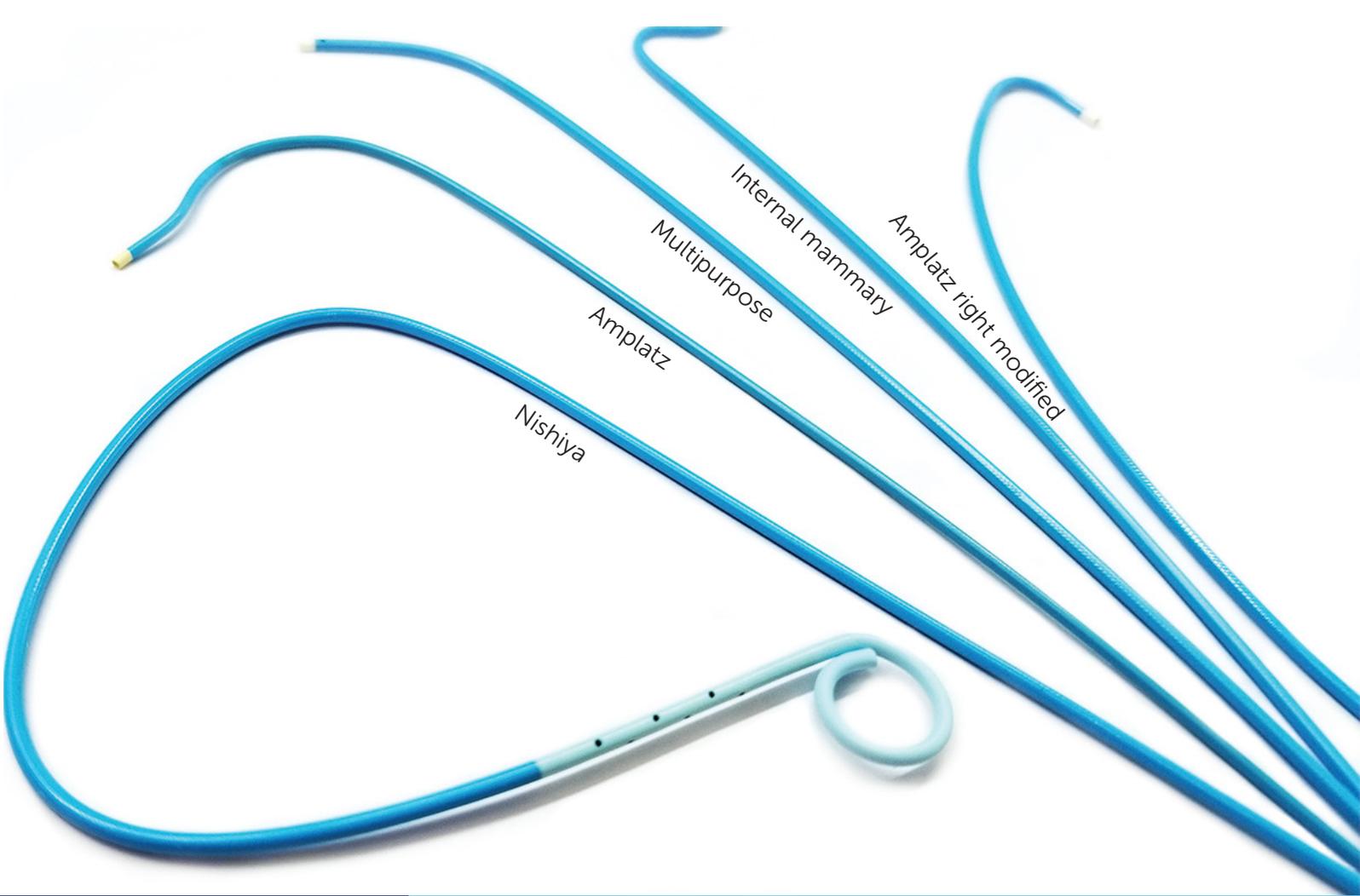
Related items
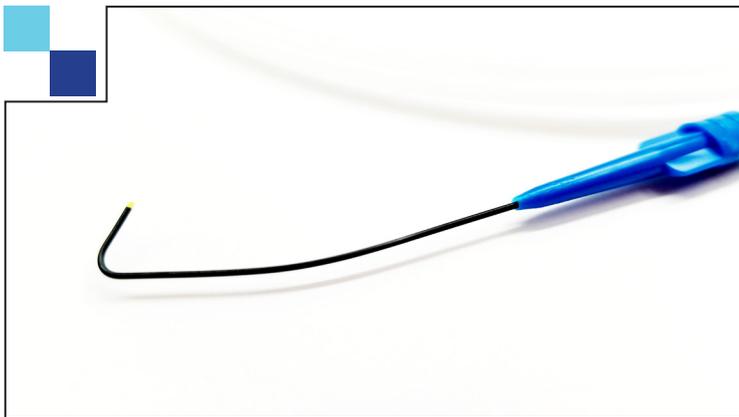
SSS Guidewire

The SSS guidewire features superior torqueability and hydrophilic coating for enhanced safety and maneuverability, even in cases of tortuous vessels. It also comes in unique shapes like the BK and BKM for improved selective positioning.

TRA Essentials

The TRA Essentials provides a stable platform to support the patient's arm and exposes the radial artery for easy visualization and access.

CATALOG

Product	Catalog # FL = Flexible Type		Catalog # SL = Stiff Type		Tip Shape	Length cm	Side Holes		Units/Box	
	FL: 4Fr	FL: 5Fr	SL:4Fr	SL:5Fr			4Fr	5Fr	4Fr	5Fr
Judkins Standard	H710-FL418	H710-FL518	H710-SL418	H710-SL518	JL 3.5	105	-		5	
	H710-FL420	H710-FL520	H710-SL420	H710-SL520	JL 4.0	105	-		5	
	H710-FL422	H710-FL522	H710-SL422	H710-SL522	JL 5.0	105	-		5	
	H710-FL419	H710-FL519	H710-SL419	H710-SL519	JR 3.5	105	-		5	
	H710-FL421	H710-FL521	H710-SL421	H710-SL521	JR 4.0	105	-		5	
	H710-FL423	H710-FL523	H710-SL423	H710-SL523	JR 5.0	105	-		5	
Judkins Modified	H710-FL418JSH	H710-FL518TJ	H710-SL418JSH	H710-SL518TJ	JL 3.5MOD II	105	2	-	5	2
	H710-FL420JSH	H710-FL520TJ	H710-SL420JSH	H710-SL520TJ	JL 4.0MOD II	105	2	-	5	
	H710-FL422JSH	H710-FL522TJ	H710-SL422JSH	H710-SL522TJ	JL 5.0MOD II	105	2	-	5	
	H710-FL419JSH	H710-FL519TJ	H710-SL419JSH	H710-SL519TJ	JR 3.5MOD II	105	2	-	2	5
	H710-FL421JSH	H710-FL521TJ	H710-SL421JSH	H710-SL521TJ	JR 4.0MOD II	105	2	-	5	
	H710-FL423JSH	H710-FL523TJ	H710-SL423JSH	H710-SL523TJ	JR 5.0MOD II	105	2	-	2	5
Judkins Safety	SVH3-FL418SH	SVH3-FL518SH	SVH3-SL418SH	SVH3-SL518SH	JL 3.5 Safety	105	2		5	
	SVH3-FL420SH	SVH3-FL520SH	SVH3-SL420SH	SVH3-SL520SH	JL 4.0 Safety	105	2		5	
	SVH3-FL419SH	SVH3-FL519SH	SVH3-SL419SH	SVH3-SL519SH	JR 3.5 Safety	105	2		5	
	SVH3-FL421SH	SVH3-FL521SH	SVH3-SL421SH	SVH3-SL521SH	JR 4.0 Safety	105	2		5	
KIMTAC	H710-FL4060	H710-FL5060	H710-SL4060	H710-SL5060	KIMTAC II	105	2		5	
Saito	H710-FL4013	H710-FL5013	H710-SL4013	H710-SL5013	Saito 3.0	105	1		5	
	H710-FL4012	H710-FL5012	H710-SL4012	H710-SL5012	Saito 3.5	105	1		5	
	H710-FL4011	H710-FL5011	H710-SL4011	H710-SL5011	Saito 4.0	105	1		5	
Mitsudo	H710-FL4361	H710-FL5361	H710-SL4361	H710-SL5361	M-III LR 3.0	105	1		5	
	H710-FL4363	H710-FL5363	H710-SL4363	H710-SL5363	M-III LR 3.5	105	1		5	
	H710-FL4362	H710-FL5362	H710-SL4362	H710-SL5362	M-II LR 4.0	105	1		5	
Toranomon	H710-FL4122	H710-FL5122	H710-SL4122	H710-SL5122	Toranomon LR 3.5	105	1		5	
	H710-FL4123	H710-FL5123	H710-SL4123	H710-SL5123	Toranomon LR 4.0	105	1		5	
Amplatz Left	H710-FL445SH	H710-FL545	H710-SL445SH	H710-SL545	AL I	105	2	-	2	5
	H710-FL446SH	H710-FL546	H710-SL446SH	H710-SL546	AL II	105	2	-	2	2
Amplatz Right Modified	H710-FL401SH	-	H710-SL401SH	-	AR MOD	105	2		2	
	-	H710-FL548	-	H710-SL548	AR MOD	105	-		5	
Internal Mammary	H710-FL4601	H710-FL5601	H710-SL4601	H710-SL5601	IM	105	-		2	5
Multipurpose	H710-FL4661	H710-FL5661	H710-SL4661	H710-SL5661	MPA1 Small	110	-		5	
	H710-FL4662	H710-FL5662	H710-SL4662	H710-SL5662	MPA1 Small	110	2		5	
	H710-FL4671	H710-FL5671	H710-SL4671	H710-SL5671	MPA1 Small	130	-		5	
	H710-FL4672	H710-FL5672	H710-SL4672	H710-SL5672	MPA1 Small	130	2		5	
Nishiya	-	H710-FL5307	-	H710-SL5307	Nishiya S	110	12		2	
	-	H710-FL5308	-	H710-SL5308	Nishiya M	110	12		2	
	-	H710-FL5309	-	H710-SL5309	Nishiya L	110	12		2	
Pigtail	H710-FL4711M	H710-FL5711M	H710-SL4711M	H710-SL5711M	Straight	110	17		5	
	H710-FL4713M	H710-FL5713M	H710-SL4713M	H710-SL5713M	Straight	130	17		5	
	H710-FL4731M	H710-FL5731M	H710-SL4731M	H710-SL5731M	Angle 145	110	17		5	
	H710-FL4733M	H710-FL5733M	H710-SL4733M	H710-SL5733M	Angle 145	130	17		5	
	H710-FL4741M	H710-FL5741M	H710-SL4741M	H710-SL5741M	Angle 155	110	17		5	
	H710-FL4743M	H710-FL5743M	H710-SL4743M	H710-SL5743M	Angle 155	130	17		5	
	H710-FL4751M	H710-FL5751M	H710-SL4751M	H710-SL5751M	Multicurve	110	17		5	
	H710-FL4753M	H710-FL5753M	H710-SL4753M	H710-SL5753M	Multicurve	130	17		5	
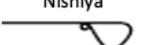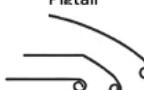
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