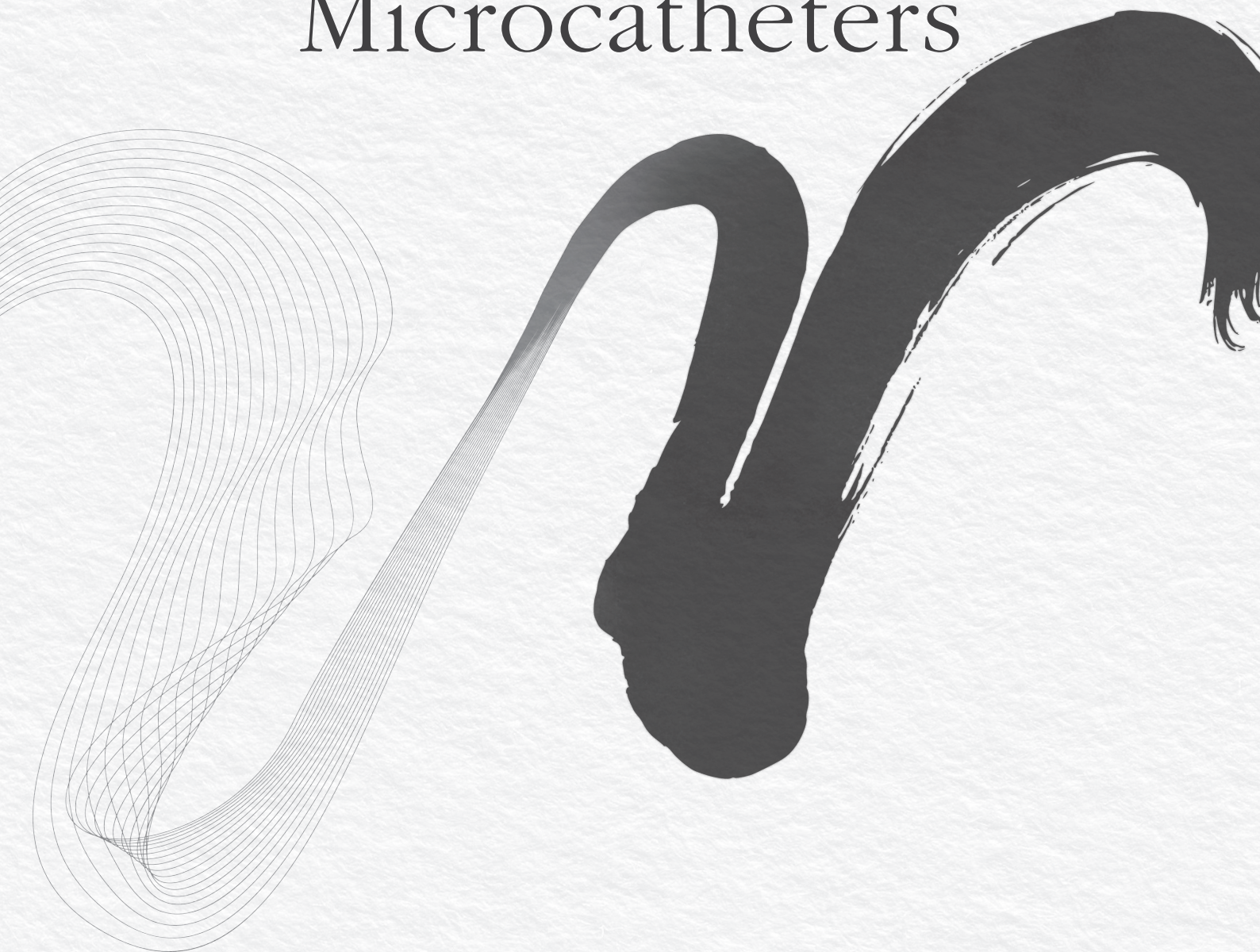




ASAHI PTCA Microcatheters

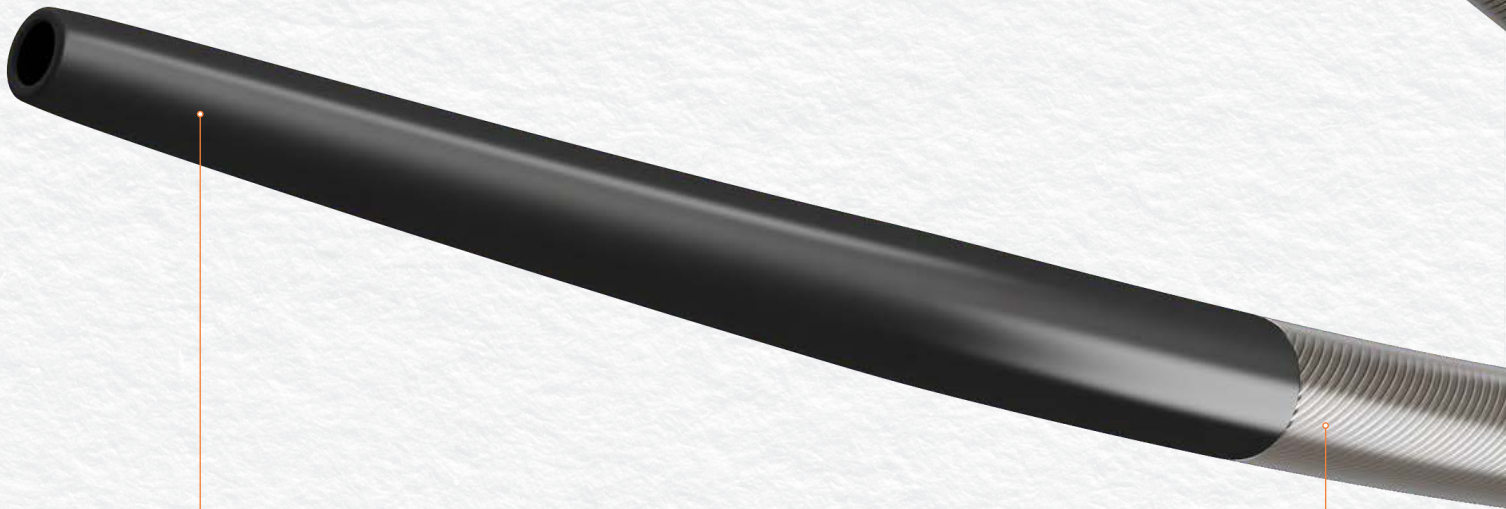


YOUR DREAMS. WOVEN TOGETHER.

ASAHI Caravel

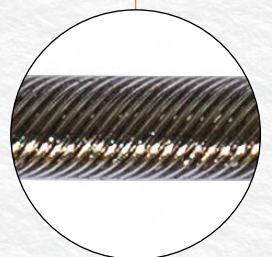
A versatile microcatheter that completes the simple and simplifies the complex

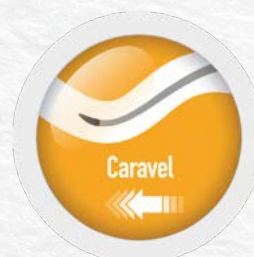
- Excellent crossing profile: 0.62mm (1.9 Fr)
- Low profile design to cross severe stenosis & microchannel



Ultra Low Profile Tip

- Tip tapers to 0.48mm (0.019"/1.4 Fr)
- High tip flexibility
- Smoothly tracks into tortuous anatomy

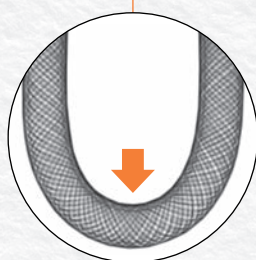




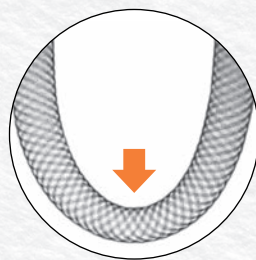
ACT ONE Precision Braided Shaft

- Unique braiding delivers high flexibility
- Precision engineering ensures unmatched performance in tortuous anatomy

ACT ONE Maintains Inner Lumen



ASAHI Caravel



Competitor "A"

Internal Lumen Integrity

- Enhanced resistance to kinking in tortuous anatomy
- Facilitates optimal guidewire performance

ASAHI Caravel Microcatheter is advanced by pushing, not rotating.

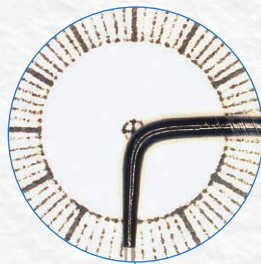
ASAHI Corsair Pro

Delivering excellence through evolution & tradition

- Supportive, torqueable shaft designed for CTO crossing and channel dilation
- Robust design provides pushability and durability

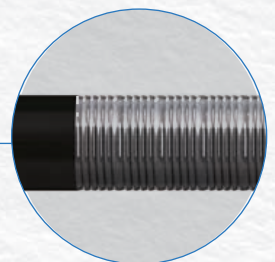
Tapered Soft Tip

- Tip tapers to 0.42mm (0.018"/1.3 Fr)
- High visibility at the lesion part
- High tracking ability into the lesion
- Entire tip is visible under fluoroscopy



Balanced Joint Design

- Gradual balance of stiffness from the tip to joint
- Shaft area enhances tracking





Spiral Protector

- Enhanced kink resistance
- Prevents damage when removing from holder

SHINKA-Shaft

- Stainless steel coil shaft with 10 braided wires
- ASAHI brand propriety braiding pattern preserves high push
- Enables rotating manipulation (limited to 10 times in each direction.)

sign

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cking ability

ASAHI Corsair Pro X

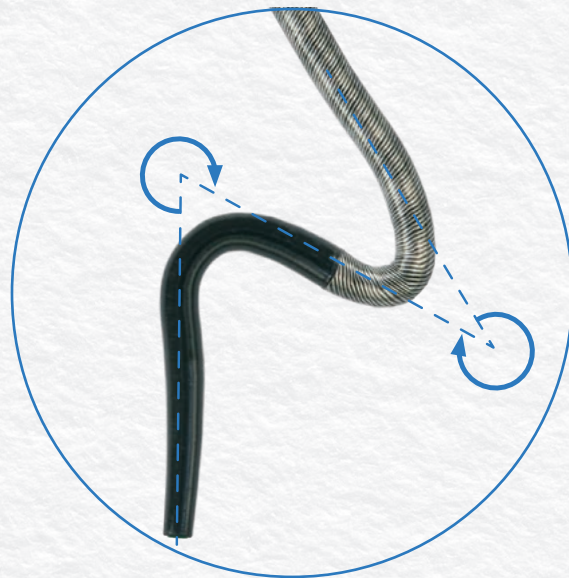
Simplify Retrograde Complexity

- Low profile, torqueable shaft (rotation limited to 10 times in each direction)
- Versatile microcatheter for antegrade and retrograde approach



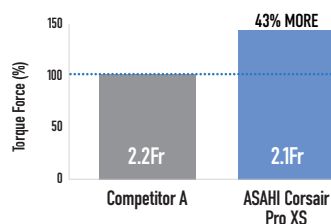
Tapered Soft Tip

- Tip tapers to 0.44mm (0.018"/1.3 Fr)
- High visibility at the lesion part
- High tracking ability into the lesion
- Entire tip is visible under fluoroscopy



Rotational Durability

ASAHI Corsair Pro XS has a lower profile but has 43% more torque force at 10 rotations. Higher crossability within complex lesions.



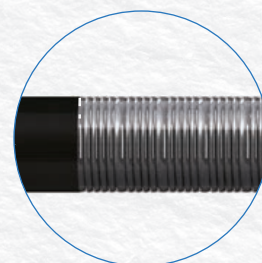
Rotational Durability Test



*Compared at 10 rotations
*Torque Force for Competitor A is 100%

Balanced Joint Design

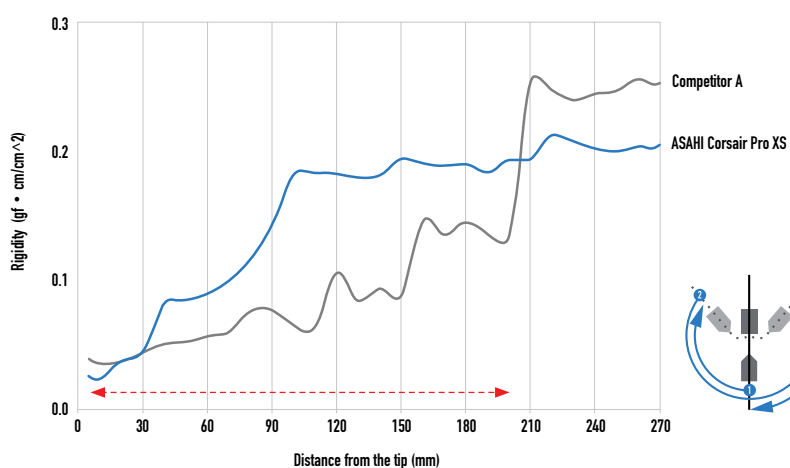
- Gradual balance of stiffness from the tip to joint
- Shaft area enhances tracking ability





New SHINKA-shaft

A well-balanced shaft stiffness reduces pushability loss, easing the access to the distal portion of tortuous channels.



Spiral Protector

- Enhanced kink resistance
- Prevents damage when removing from the holder

- Stainless steel coil with 14 braided wires
- Well balanced shaft stiffness reduces push loss
- Enables rotating manipulation (limited to 10 times in each direction)

*All the data were obtained by company standardized test, which may differ from industry standardized tests.

*All the data do not prove that all devices have exactly the same performance with the samples used for these tests.

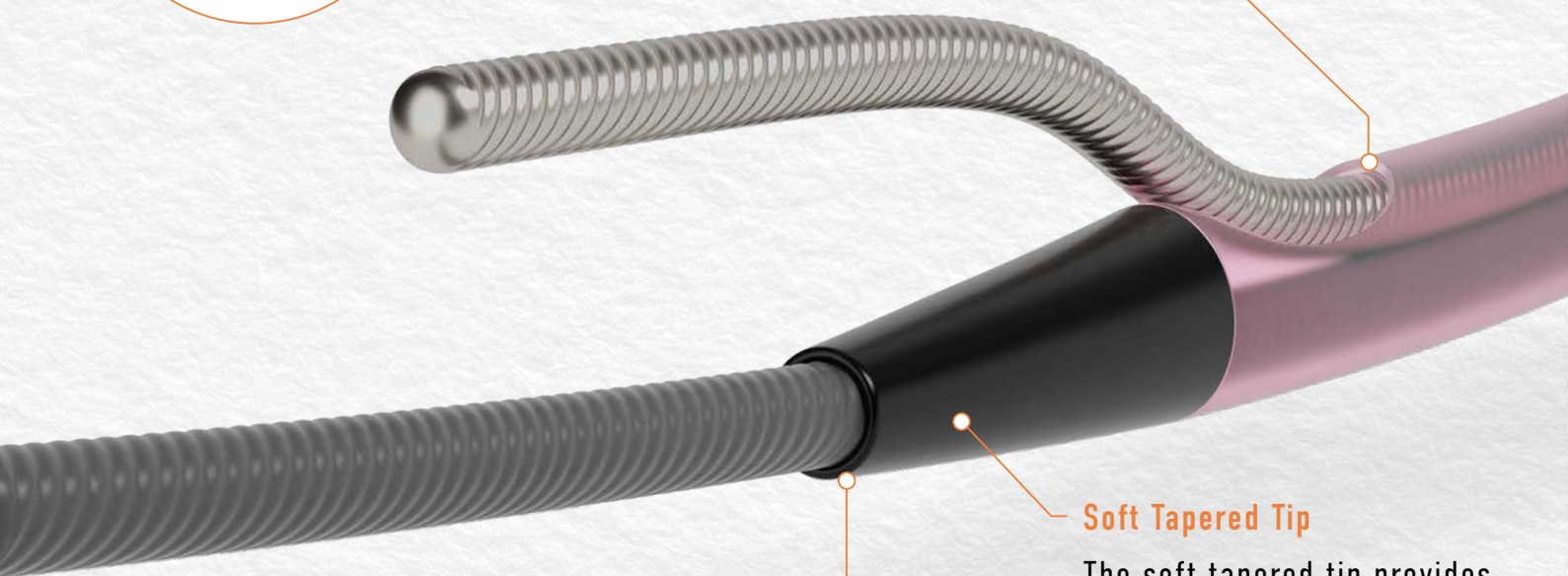
ASAHI SASUKE

The next generation of double lumen catheter. ASAHI SASUKE is a two lumen (RX and OTW) microcatheter. It is the reasonable choice for providing stability during procedures and facilitating numerous techniques.



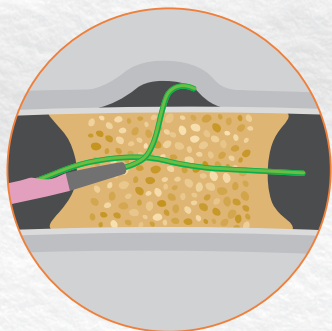
Visible OTW Exit Port

The visible over-the-wire exit port provides the physician with critical visual information during the procedure, to facilitate precise catheter and wire placement.



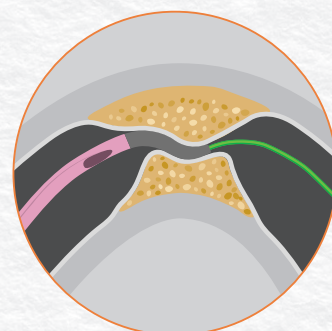
Soft Tapered Tip

The soft tapered tip provides high trackability even in challenging anatomy.



Short Tip-to-OTW Exit Port

The short tip-to-OTW-exit-port (6.5mm), negates the need for deep engagement in side-branches and CTOs, providing catheter delivery with confidence and excellent catheter back-up support.



Double Stainless-Steel Core

The double stainless-steel core enhances the kink resistance and provides more pushability.

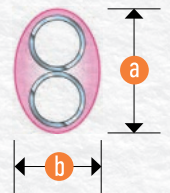
L³ Coating (Long Lasting Lubricity Coating)

The L³ coating provides longer lasting lubricity.

ASAHI SASUKE

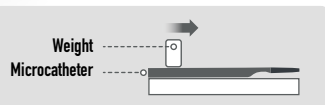
Oval Design

The oval design provides enhanced stability when compared to round-design dual lumen catheters.

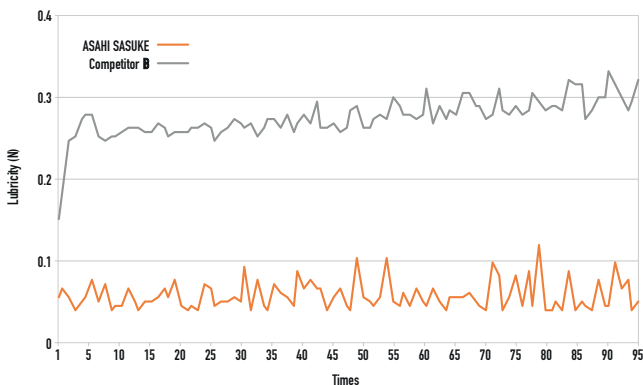


a) 1.08mm (3.3Fr) b) 0.84mm (2.5Fr)

Lubricity

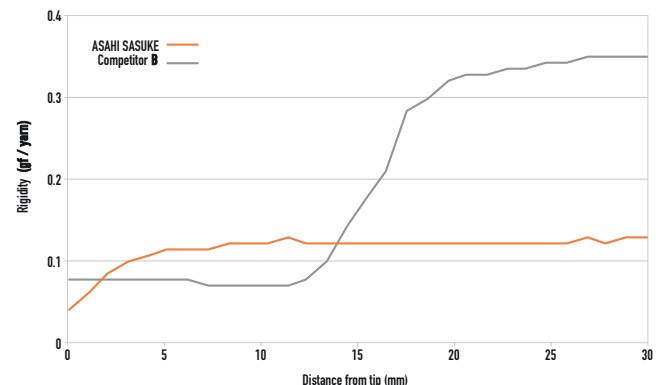
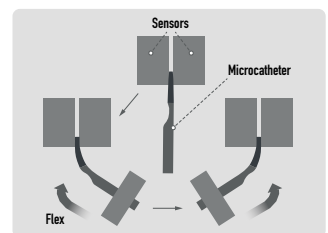


The L³ coating maintains a higher lubricity compared to its competitors.

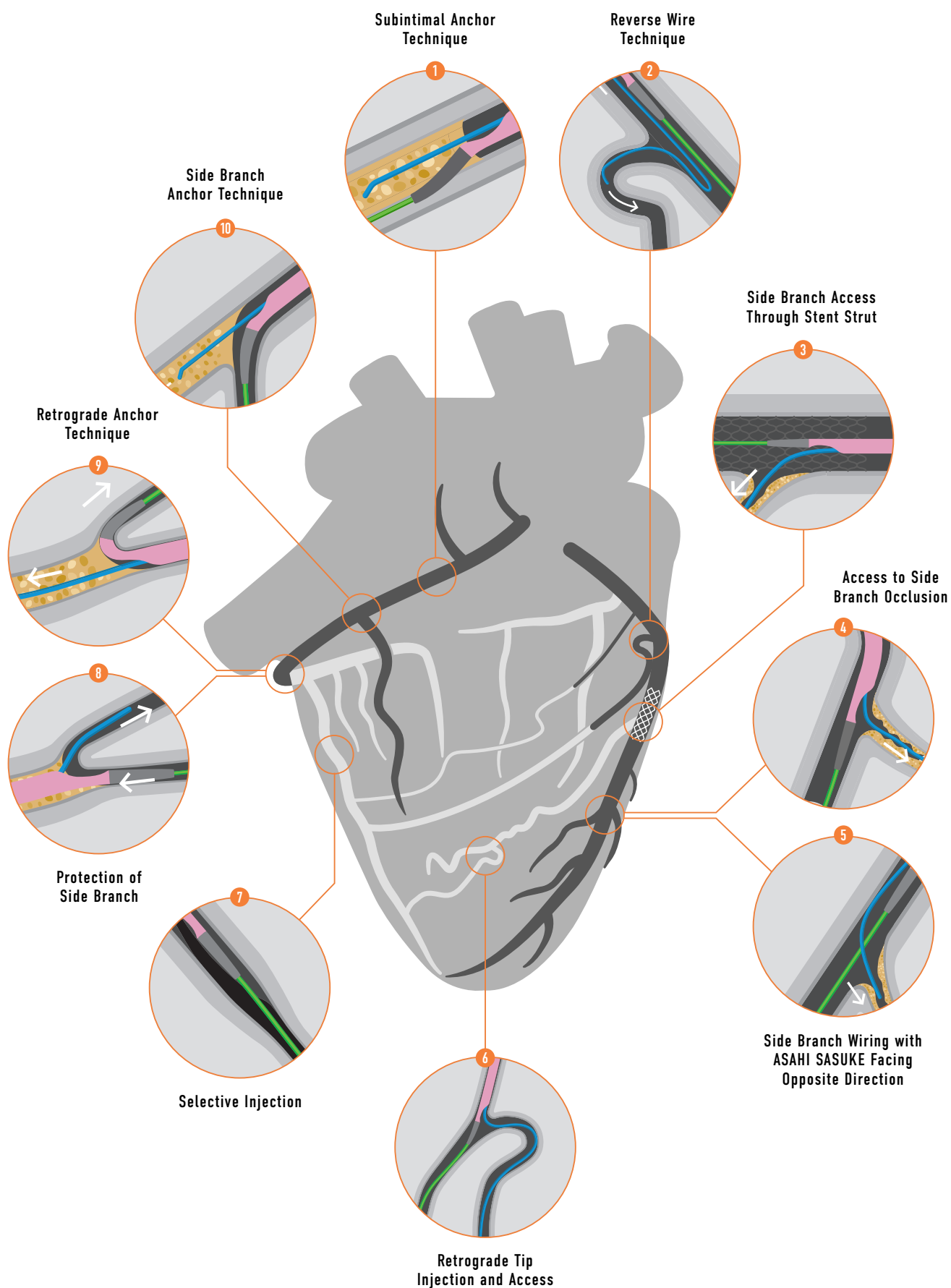


Trackability

The smooth gradual change in rigidity of the ASAHI SASUKE achieves high trackability compared to its competitors.



*All the data were obtained by company standardized test, which may differ from industry standardized tests.
*All the data do not prove that all devices have exactly the same performance with the samples used for these tests.





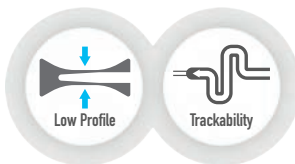
Microcatheter Application

Complex PCI

Tortuosity



Main Characteristics Required



Suggested Microcatheters

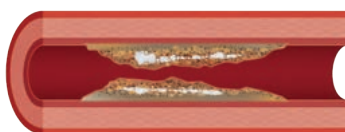


When lower profile is needed

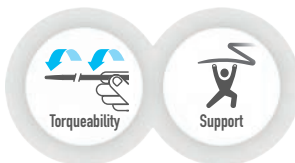


When torqueability is needed

Severe stenosis



Main Characteristics Required



Suggested Microcatheters

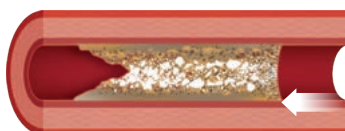


When higher support is needed

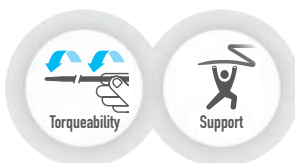


When lower profile is needed

Antegrade CTO and CTO Body Crossing



Main Characteristics Required



Suggested Microcatheters

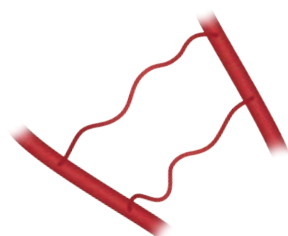


When higher support is needed

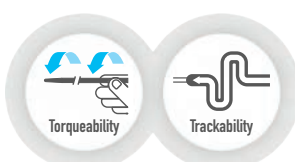


When lower profile is needed

Retrograde Septal Tracking



Main Characteristics Required



Suggested Microcatheters

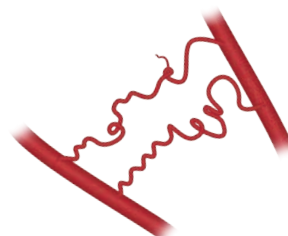


When septals are not very small and tortuous

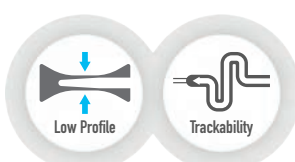


For tiny and tortuous septals

Retrograde Epicardial Tracking



Main Characteristics Required



Suggested Microcatheters



When lower profile is needed



When torqueability is needed

Structure & Ordering Information

Product	Catalog No.	Outer Diameter			Inner Diameter		Length	Hydrophilic Coating Length
		Tip	Distal Shaft	Proximal Shaft	Tip	Shaft		
ASAHI Caravel	CRV135-19P	0.48mm (1.4 Fr)	0.62mm (1.9 Fr)	0.85mm (2.6 Fr)	0.40mm (0.016inch)	0.55mm (0.022inch)	135cm	70cm
	CRV150-19P	0.48mm (1.4 Fr)	0.62mm (1.9Fr)	0.85mm (2.6 Fr)	0.40mm (0.016inch)	0.55mm (0.022inch)	150cm	85cm
ASAHI Corsair Pro	CSR135-26P	0.42mm (1.3Fr)	0.87mm (2.6Fr)	0.93mm (2.8Fr)	0.38mm (0.015inch)	0.45mm (0.018inch)	135cm	60 cm
	CSR150-26P	0.42mm (1.3Fr)	0.87mm (2.6Fr)	0.93mm (2.8Fr)	0.38mm (0.015inch)	0.48mm (0.018inch)	150cm	60 cm
ASAHI Corsair Pro XS	CSR135-21S	0.44mm (1.3Fr)	0.71mm (2.1Fr)	0.95mm (2.9Fr)	0.38mm (0.015inch)	0.48mm (0.019inch)	135cm	70 cm
	CSR150-21S	0.44mm (1.3Fr)	0.71mm (2.1Fr)	0.95mm (2.9Fr)	0.38mm (0.015inch)	0.48mm (0.019inch)	150cm	85 cm
ASAHI SASUKE	SA145-33N	0.50mm (1.5 Fr)	0.84mm/1.08mm (2.5 Fr/3.3 Fr)	1.05mm (3.2 Fr)	0.40mm (0.016inch)	0.43mm (0.017inch)	145cm	38cm

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"ASAHI Corsair Pro" and "ASAHI Corsair Pro XS" are referred to as "Corsair Pro" and "Corsair Pro XS"

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