KATALOGAS Nr. 1

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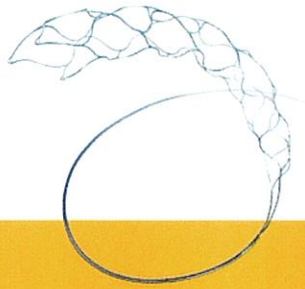
Neurovascular interventions

Product catalogue

Contour
Neurovascular System™

Surpass Evolve™
Flow Diverter

Target™
Detachable Coils



Trevo NXT™
ProVue Retriever

AXS Vecta™
Aspiration Catheters

Trevo NXT™
ProVue Retriever

Trevo NXT ProVue Retrievers

Product number	Description	Diameter x length
90412	Trevo NXT ProVue Retriever 3	3 x 32mm
90413	Trevo NXT ProVue Retriever 4	4 x 28mm
90414	Trevo NXT ProVue Retriever 4 long	4 x 41mm
90415	Trevo NXT ProVue Retriever 6	6 x 37mm

Trevo NXT ProVue Retriever (2-Pack Kits)

Product number	Description	Diameter x length
91412	Trevo NXT ProVue Retriever 3 + Trak 21 Microcatheter	3 x 32mm
91413	Trevo NXT ProVue Retriever 4 + Trak 21 Microcatheter	4 x 28mm
91414	Trevo NXT ProVue Retriever 4 Long+ Trak 21 Microcatheter	4 x 41mm
91415	Trevo NXT ProVue Retriever 6 + Trak 21 Microcatheter	6 x 37mm
91417	Trevo NXT ProVue Retriever 6 + Excelsior XT-27 Microcatheter	6 x 37mm

Balloon Guide Catheters

FlowGate² Balloon Guide Catheters

Product number	Product description	ID	OD	Length
90485	FlowGate² BGC 8Fx85cm	0.084in (2.1mm/6.4F)	8F (2.7mm)	85cm
90495	FlowGate² BGC 8Fx95cm	0.084in (2.1mm/6.4F)	8F (2.7mm)	95cm

Merci Balloon Guide Catheters

Product number	Product description	ID	OD	Length
90073	Merci Balloon Guide Catheter 8Fx95cm	0.078in (1.9mm)	8F (2.7mm)	95cm
90074	Merci Balloon Guide Catheter 9Fx95cm	0.085in (2.1mm)	9F (3.0mm)	95cm
90076	Merci Balloon Guide Catheter 8Fx80cm	0.078in (1.9mm)	8F (2.7mm)	80cm
90077	Merci Balloon Guide Catheter 9Fx80cm	0.085in (2.1mm)	9F (3.0mm)	80cm

AXS Offset™
Delivery Assist Catheter

AXS Offset Delivery Assist Catheter

Product number	Product description	ID	Distal tip OD	Distal taper length	Bulb OD	Bulb length	Effective length
M003DC0501500	AXS Offset Delivery Assist Catheter	0.021in (0.5mm)	0.036in (0.9mm) [2.7F]	2cm	0.050in (1.3mm) [3.8F]	28cm	150cm

Ischemic stroke microcatheters

Trevo Trak 21 Microcatheter

Product number	Product description	ID	OD proximal/distal	Length
90338	Trevo Trak 21 Microcatheter	0.021in (0.5mm)	2.7F(0.9mm)/2.4F(0.8mm)	162cm

Trevo Pro 18 Microcatheter

Product number	Description	ID	OD proximal/distal	Length
90238	Trevo Pro 18 Microcatheter	0.021in (0.5mm)	2.7F (0.90mm)/2.4F (0.80mm)	150cm

AXS Vecta™
Aspiration Catheter

AXS Vecta Aspiration Catheters

Product number	Product description	ID	Distal OD	Proximal OD	Length
INC-11989-115	AXS Vecta 74 115cm Aspiration Catheter	0.074in (1.88mm)	6.5F (2.11mm)	6.6F (2.21mm)	115cm
INC-11989-125	AXS Vecta 74 125cm Aspiration Catheter	0.074in (1.88mm)	6.5F (2.11mm)	6.6F (2.21mm)	125cm
INC-11989-132	AXS Vecta 74 132cm Aspiration Catheter	0.074in (1.88mm)	6.5F (2.11mm)	6.6F (2.21mm)	132cm
INC-11988-115	AXS Vecta 71 115cm Aspiration Catheter	0.071in (1.80mm)	6.3F (2.09mm)	6.5F (2.10mm)	115cm
INC-11988-125	AXS Vecta 71 125cm Aspiration Catheter	0.071in (1.80mm)	6.3F (2.09mm)	6.5F (2.10mm)	125cm
INC-11988-132	AXS Vecta 71 132cm Aspiration Catheter	0.071in (1.80mm)	6.3F (2.09mm)	6.5F (2.10mm)	132cm

AXS Vecta Aspiration Catheters + AXS Universal Aspiration Tubing

Product number	Product description
AXS2PK07112500	AXS Vecta 71 125cm Aspiration Catheter +0.218in AXS Universal Aspiration Tubing
AXS2PK07113200	AXS Vecta 71 132cm Aspiration Catheter +0.218in AXS Universal Aspiration Tubing
AXS2PK07412500	AXS Vecta 74 125cm Aspiration Catheter +0.218in AXS Universal Aspiration Tubing
AXS2PK07413200	AXS Vecta 74 132cm Aspiration Catheter +0.218in AXS Universal Aspiration Tubing

AXS Catalyst Distal Access Catheters + AXS Universal Aspiration Tubing

Product number	Product description
2PK05830000	AXS Catalyst 5 132cm Distal Access Catheter + AXS Universal Aspiration Tubing
2PK06030000	AXS Catalyst 6 132cm Distal Access Catheter + AXS Universal Aspiration Tubing
AXS2PK06812500	AXS Catalyst 7 125cm Distal Access Catheter + AXS Universal Aspiration Tubing
AXS2PK06813200	AXS Catalyst 7 132cm Distal Access Catheter + AXS Universal Aspiration Tubing

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AXS Vecta™ 46 Catheters

More options. **Simplified.**

AXS Vecta™ 46 Catheters

Versatile
by every measure

Engineered with versatility in mind, AXS Vecta 46 Catheters are designed to take support farther in hemorrhagic procedures, give you options to effectively treat distal occlusions, and provide versatile solutions for aspiration treatment—**all in one simple platform**.

Performance **you can track**

With a distal flexibility profile, soft tip and enhanced kink resistance, AXS Vecta 46 Catheters deliver optimal trackability and ease of use.

Created for **compatibility**

The low outer profile and maximized ID provide uncompromised compatibility. Featuring our **unique thin-wall technology**, you now have the option to take treatment farther distal, while also maintaining broad device compatibility and aspiration power.

Supporting low-profile distal treatment

125 cm

Get closer to the treatment site in hemorrhagic procedures with greater control and enhanced trackability—AXS Vecta 46 Intermediate Catheter gives you support even through tortuous distal anatomy.

Advancing MeVO combination treatment

146 cm

Designed with a large lumen for powerful aspiration and a full-length PTFE liner for stent retriever compatibility, the AXS Vecta 46 Aspiration Catheter is a versatile solution for MeVO thrombectomy.

Elevating MeVO aspiration treatment

160 cm

Engineered with thin wall technology, enabling uniform outer profile, and extra length, the AXS Vecta 46 Aspiration Catheter is the perfect tool for MeVO aspiration.

MeVO is defined as occlusions in the M2 segment of MCA. This may be a narrower subset than other definitions.

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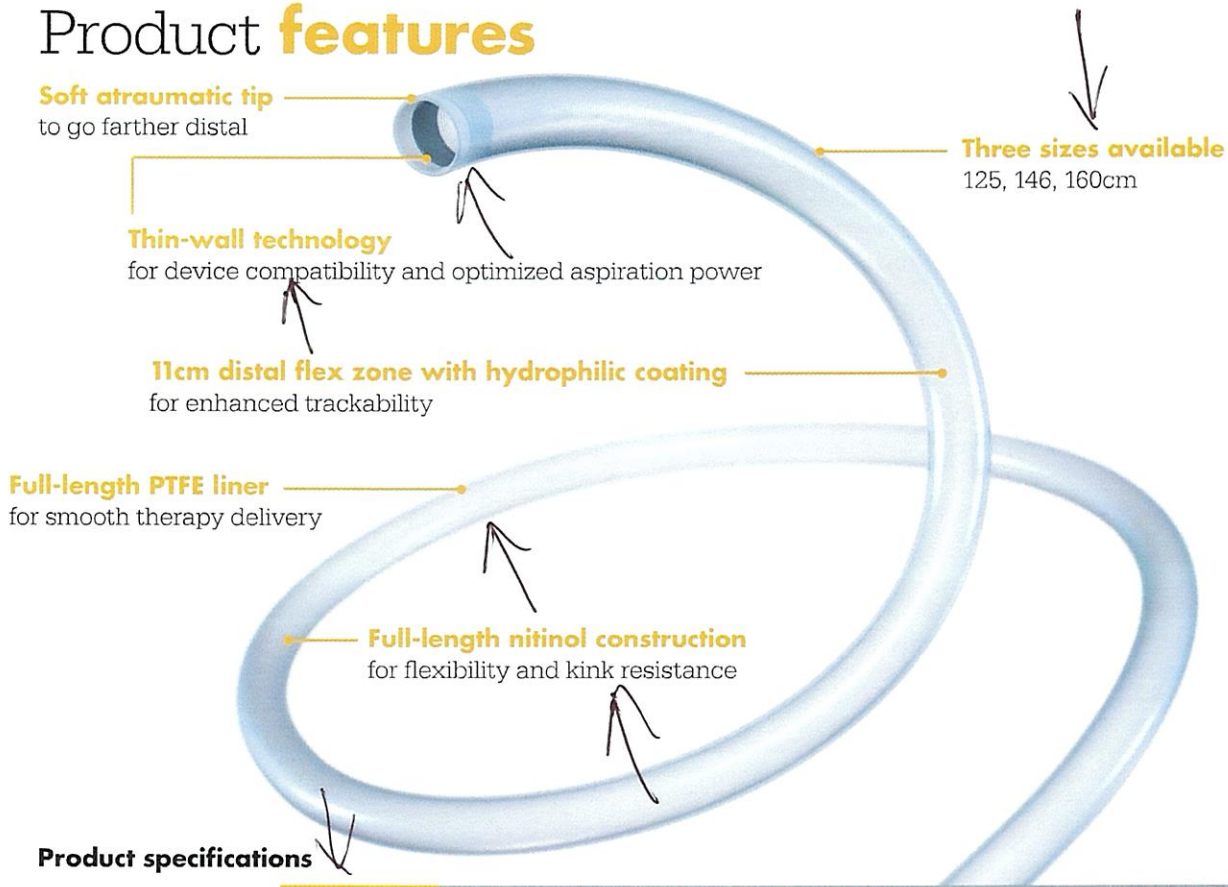
Product features



Product specifications

	AXS Vecta 46	AXS Vecta 71	AXS Vecta 74	AXS Catalyst 5	AXS Catalyst 6	AXS Catalyst 7
ID	0.046in	0.071in	0.074in	0.058in	0.060in	0.068in
Distal OD	0.056in	0.082in	0.083in	0.069in	0.071in	0.082in
Proximal OD	0.058in	0.085in	0.087in	0.073in	0.079in	0.0825in
Lengths	125cm 146cm 160cm	115cm 125cm 132cm	115cm 125cm 132cm	115cm 132cm	132cm	115cm 125cm 132cm

AXS Vecta 46 Catheters

UPN	Description
INC-15123-125	125cm AXS Vecta 46 Intermediate Catheter
INC-15123-146	146cm AXS Vecta 46 Aspiration Catheter
INC-15123-160	160cm AXS Vecta 46 Aspiration Catheter

This document is intended solely for the use of healthcare professionals.

A physician must always rely on his or her own professional clinical judgment when deciding whether to use a particular product when treating a particular patient. Stryker does not dispense medical advice and recommends that physicians be trained in the use of any particular product before using it in a procedure. The information presented is intended to demonstrate the breadth of Stryker product offerings. A physician must always refer to the package insert, product label and/or instructions for use before using any Stryker product. Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your Stryker representative if you have questions about the availability of Stryker products in your area.

AP004502 v2.0

Stryker Neurovascular
47900 Bayside Parkway
Fremont, CA 94538
stryker.com
Date of Release: APR/2024
EX_EN_EU

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AXS Vecta™ 46
Intermediate Catheter

Physician in-service guide

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02

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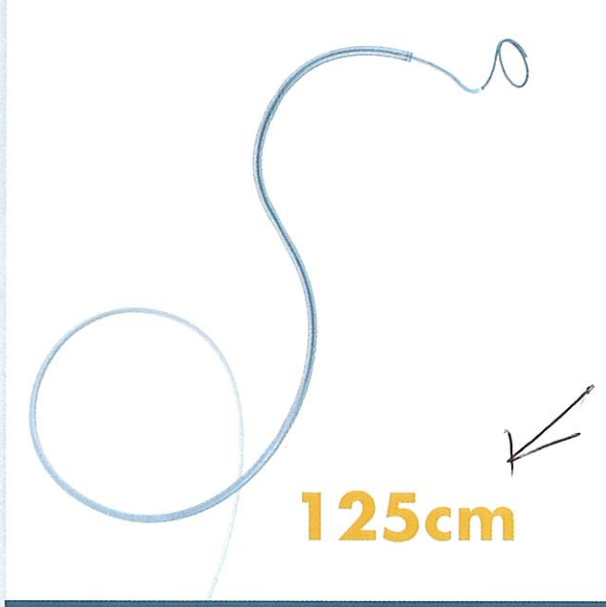
Versatile by every measure



125cm

Supporting low-profile distal treatment

146cm

Advancing MeVO combination treatment

160cm

Elevating MeVO aspiration treatment

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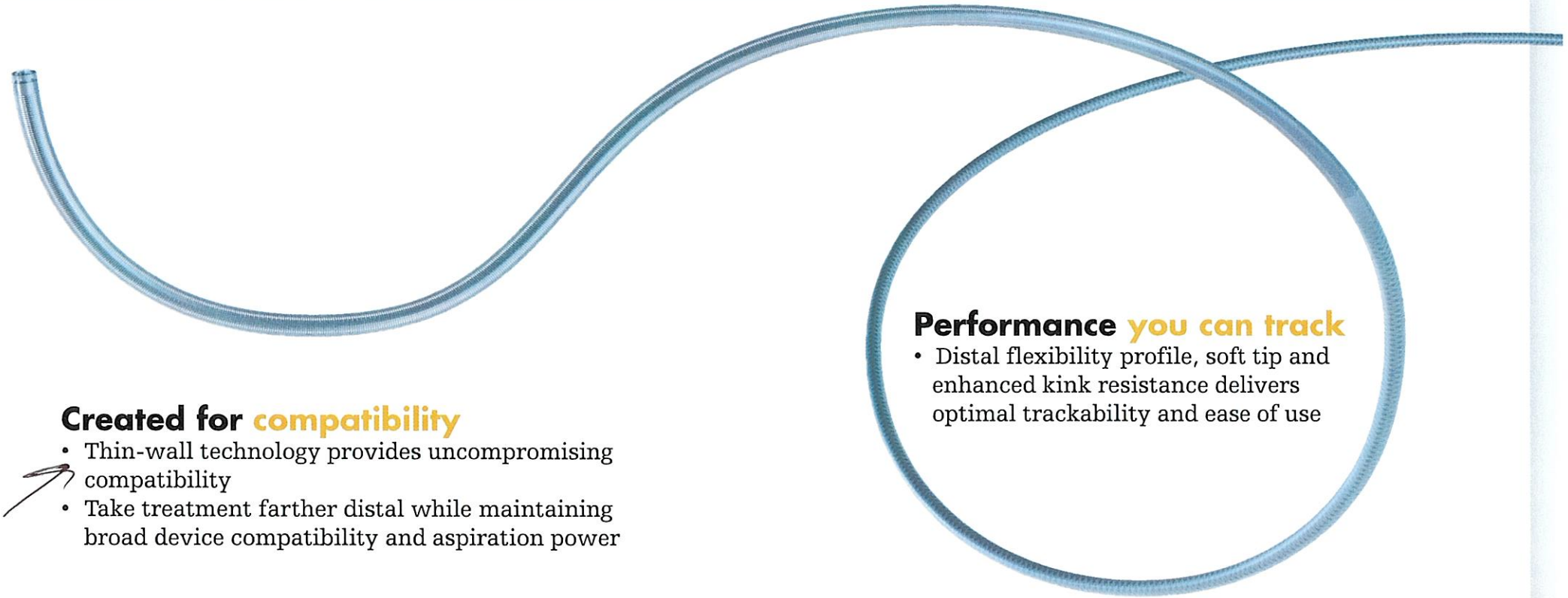
Versatile by every measure



Created for compatibility

- Thin-wall technology provides uncompromising compatibility
- Take treatment farther distal while maintaining broad device compatibility and aspiration power

Performance you can track

- Distal flexibility profile, soft tip and enhanced kink resistance delivers optimal trackability and ease of use

Tests performed by Stryker. Data on file at Stryker.

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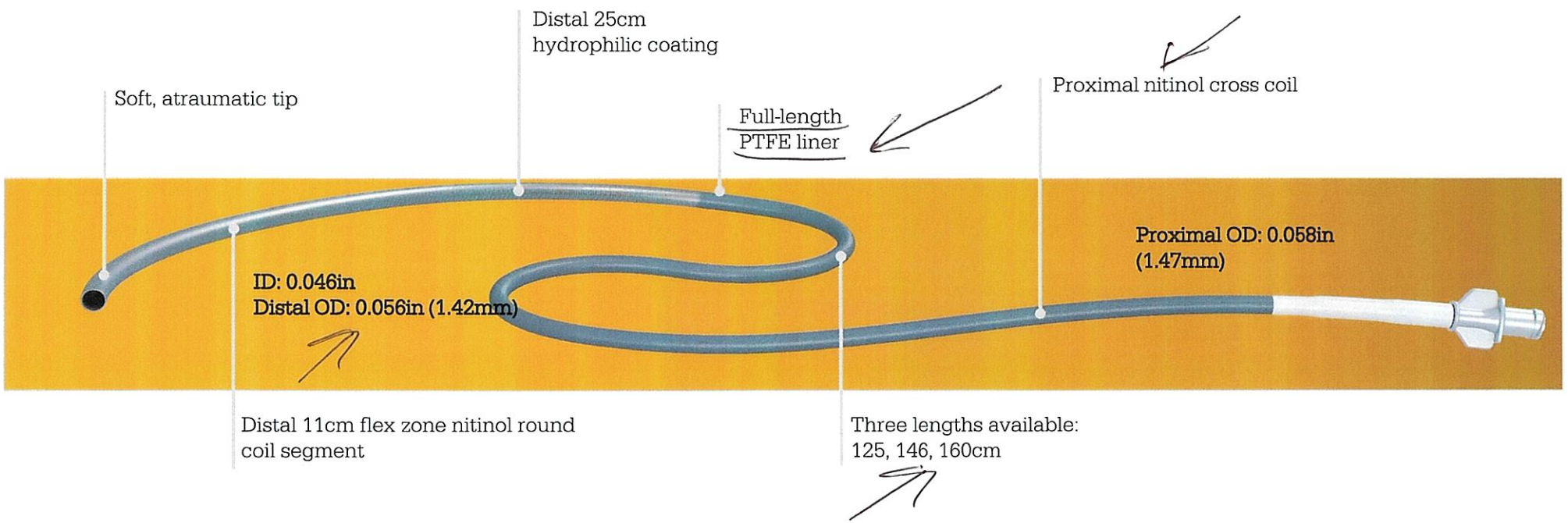
Product specifications



Data on file at Stryker.

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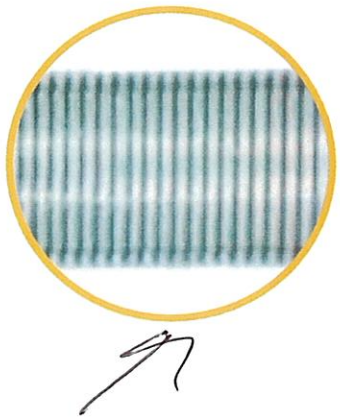
Product construction featuring thin-wall technology

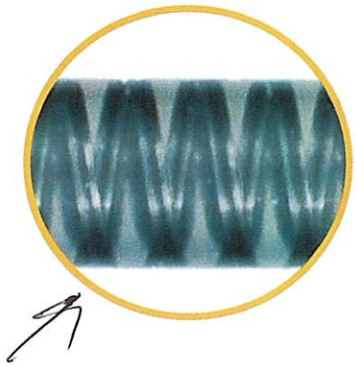
Distal shaft

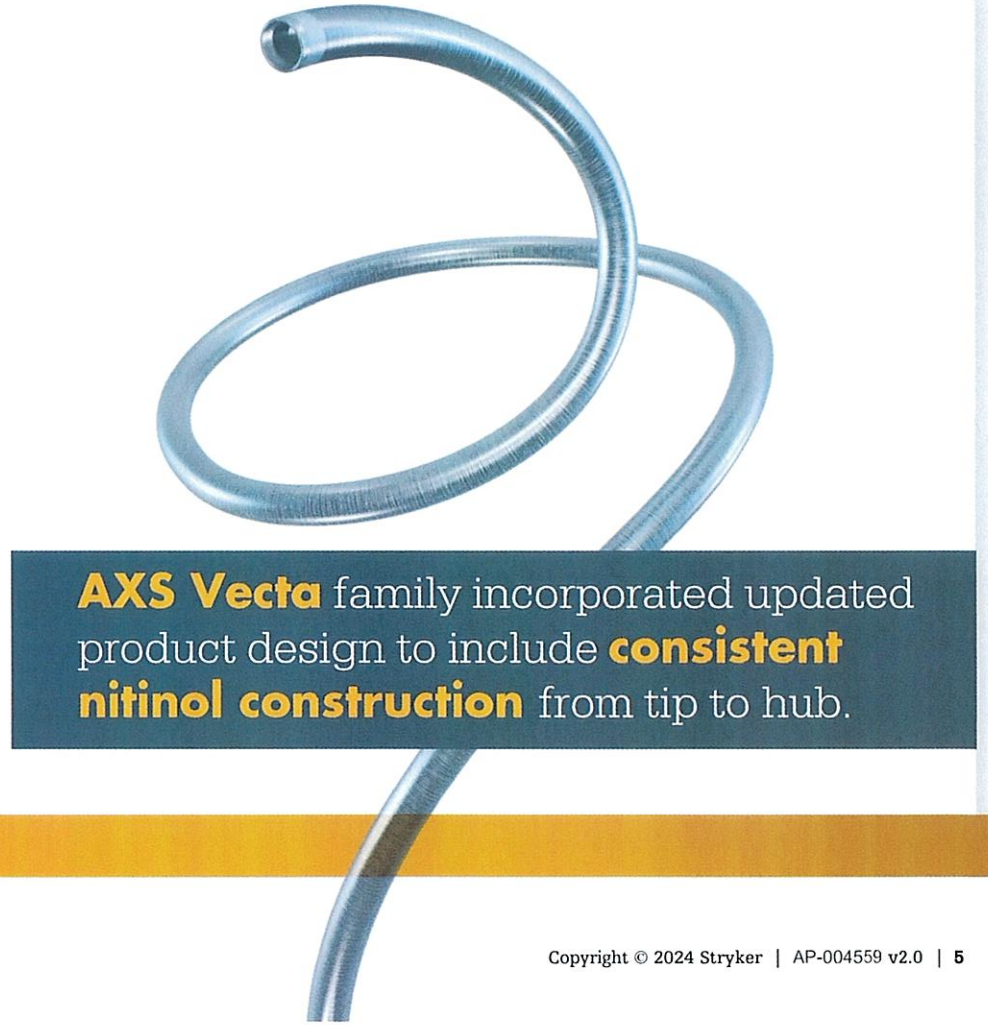
Flexible 11cm **nitinol round coil** for distal navigation



Proximal shaft

Nitinol cross coil for proximal pushability





AXS Vecta family incorporated updated product design to include **consistent nitinol construction** from tip to hub.

Tests performed by Stryker. Data on file at Stryker.

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Compatibility specifications

Vecta 46 fits inside guides and intermediate catheters with ID ≥0.068in

A microcatheter, guidewire, or balloon with OD ≤0.044in fit inside of **Vecta 46**

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How is Vecta 46 different from bigger Vectas

	Vecta 46	Vecta 71/74
Body construction	Distal NiTi round wire (11cm) Mid to proximal NiTi cross coil	Distal NiTi round wire (11cm) Mid shaft SS cross coil (23cm) Proximal SS single coil (remaining)
Material	100% nitinol	Stainless steel & nitinol
Outer jacket	7 Sections of material (added transitional material of Pebax 63D)	6 Sections of material
Wall thickness	0.010″	0.011″ / 0.009″

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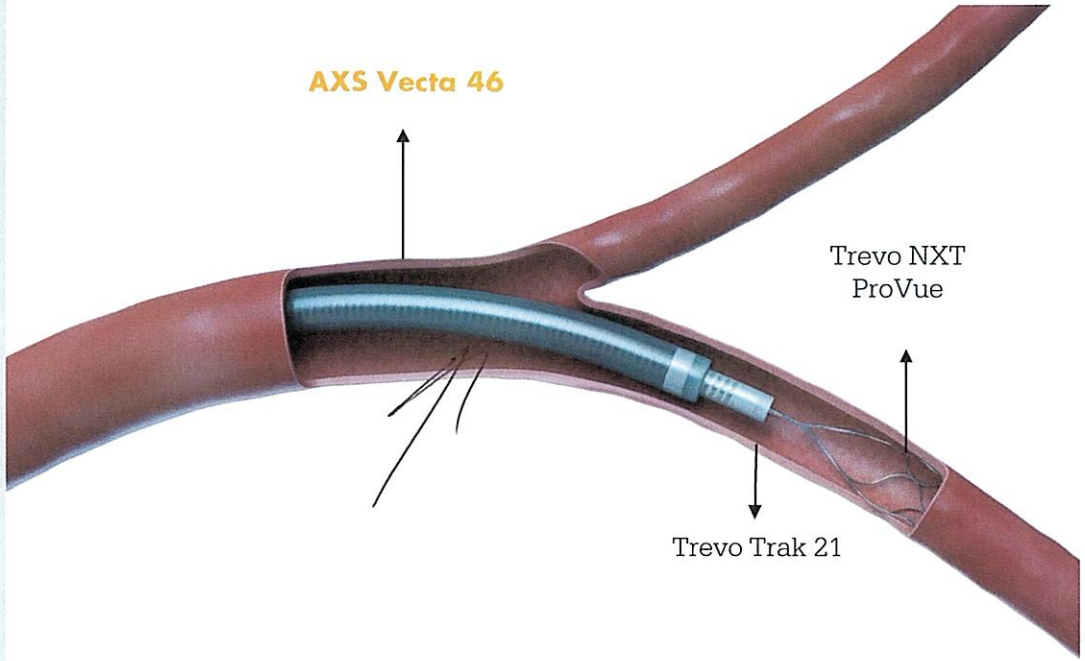
Optimally sized for distal vessels



Go farther distal and increase aspiration power with the thin-wall technology

	AXS Vecta 46
ID (in)	0.046
Distal OD (in)	0.056
Proximal OD (in)	0.058

Source: AXS Vecta 46 IFU

Data on file at Stryker

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Ordering information

UPN	Product name	Inner diameter (in)	Length (cm)
INC-15123-125	AXS Vecta 46 Intermediate Catheter	0.046	125
INC-15123-146	AXS Vecta 46 Intermediate Catheter	0.046	146
INC-15123-160	AXS Vecta 46 Intermediate Catheter	0.046	160

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Summary

125cm

Supporting low-profile distal treatment

Get closer to the treatment site in hemorrhagic procedures with greater control and enhanced trackability—AXS Vecta 46 Intermediate Catheter gives you support even through tortuous distal anatomy.

146cm

Advancing MeVO combination treatment

Designed with a large lumen for powerful aspiration and a full-length PTFE liner for stent retriever compatibility, the AXS Vecta 46 Aspiration Catheter is a versatile solution for MeVO thrombectomy.

160cm

Elevating MeVO aspiration treatment

Engineered with thin wall technology, enabling uniform outer profile, and extra length, the AXS Vecta 46 Aspiration Catheter is the perfect tool for MeVO aspiration.

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AXS Vecta®
Intermediate Catheter

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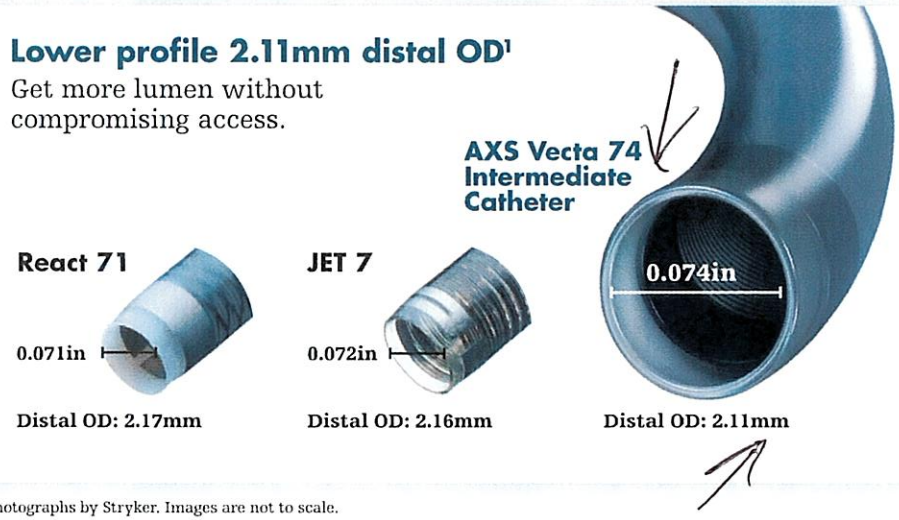
Making a difference **by empowering complete clot ingestion**

How you perform thrombectomy is as unique as each of your patients. That's why we're introducing the AXS Vecta Intermediate Catheter. Upgraded with Pro Technology, this catheter's **extra-large lumen is designed to empower clot removal through aspiration alone or with a stent retriever.** Together, with our customers, we are driven to make healthcare better.

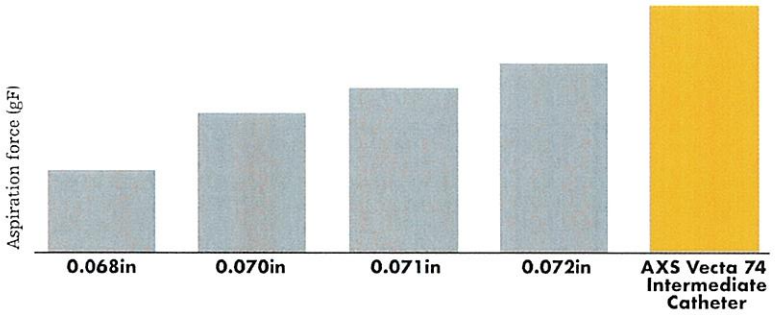
Lower profile 2.11mm distal OD[1]

Get more lumen without compromising access.

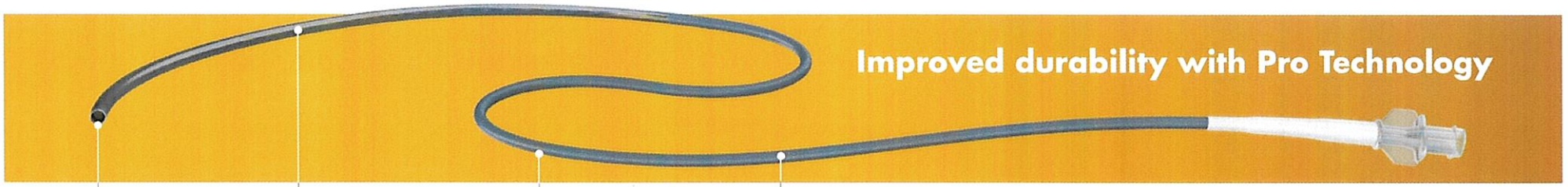


Extra-large 0.074in lumen to remove clot

Up to **20% more aspiration power**[2] with the extra-large bore and 0.218in AXS Universal Aspiration Tubing.



Photographs by Stryker. Images are not to scale.



10.8cm nitinol coil flex zone with soft, rounded tip

23cm mid-shaft cross-coil for more support outside the sheath

Hub-to-tip PTFE liner for smooth stent retriever interaction

Pro Technology dual-layer polymer jacket and stainless steel coil improve robustness while maintaining the 0.087in proximal OD

AXS Vecta Intermediate Catheter

UPN	Description
INC-11597-115	115cm AXS Vecta 74 Intermediate Catheter
INC-11597-125	125cm AXS Vecta 74 Intermediate Catheter
INC-11597-132	132cm AXS Vecta 74 Intermediate Catheter
INC-11129-115	115cm AXS Vecta 71 Intermediate Catheter
INC-11129-125	125cm AXS Vecta 71 Intermediate Catheter
INC-11129-132	132cm AXS Vecta 71 Intermediate Catheter

Total Stroke Kit

UPN	Description
VECTABNDL80-71-132	132cm AXS Vecta 71 Intermediate Catheter + 80cm AXS Infinity LS Plus Long Sheath
VECTABNDL90-71-132	132cm AXS Vecta 71 Intermediate Catheter + 90cm AXS Infinity LS Plus Long Sheath
LS80-71-132	132cm AXS Vecta 71 Intermediate Catheter + 80cm AXS Infinity LS Long Sheath
LS90-71-132	132cm AXS Vecta 71 Intermediate Catheter + 90cm AXS Infinity LS Long Sheath
VECTABNDL80-74-132	132cm AXS Vecta 74 Intermediate Catheter + 80cm AXS Infinity LS Plus Long Sheath
VECTABNDL90-74-132	132cm AXS Vecta 74 Intermediate Catheter + 90cm AXS Infinity LS Plus Long Sheath

Stroke Fast Pack

UPN	Description
AXS2PK07112501	125cm AXS Vecta 71 Intermediate Catheter + 0.218in AXS Universal Aspiration Tubing
AXS2PK07113201	132cm AXS Vecta 71 Intermediate Catheter + 0.218in AXS Universal Aspiration Tubing
AXS2PK07412501	125cm AXS Vecta 74 Intermediate Catheter + 0.218in AXS Universal Aspiration Tubing
AXS2PK07413201	132cm AXS Vecta 74 Intermediate Catheter + 0.218in AXS Universal Aspiration Tubing

AXS Vecta Aspiration System

RX ONLY

See package insert for complete indications, contraindications, warnings and instructions for use.

Indications for use as a revascularization device: The AXS Vecta Aspiration Catheter, as part of the AXS Vecta Aspiration System is indicated in the revascularization of patients with acute ischemic stroke secondary to intracranial large vessel occlusive disease (within the internal carotid, middle cerebral – M1 and M2 segments, basilar, and vertebral arteries) within 8 hours of symptom onset. Patients who are ineligible for intravenous tissue plasminogen activator (IV t-PA) or who failed IV t-PA therapy are candidates for treatment. **Intended use as a conduit:** The AXS Vecta Intermediate Catheter is indicated for use in facilitating the insertion and guidance of appropriately sized interventional devices into a selected blood vessel in the peripheral and neurovascular systems. The AXS Vecta Intermediate Catheter is also indicated for use as a conduit for retrieval devices. **Contraindications:** Do not use the AXS Vecta Intermediate Catheter in the coronary vasculature. Do not use automated high-pressure contrast injection equipment with the AXS Vecta Intermediate Catheter because it may damage the device. **Warning:** Contents supplied STERILE using an ethylene oxide (EO) process. Do not use if sterile barrier is damaged. If damage is found, call your Stryker Neurovascular representative. For single use only. Do not reuse, reprocess or resterilize. Reuse, reprocessing or resterilization may compromise the structural integrity of the device and/or lead to device failure which, in turn, may result in patient injury, illness or death. Reuse, reprocessing or resterilization may also create a risk of contamination of the device and/or cause patient infection or cross-infection, including, but not limited to, the transmission of infectious disease(s) from one patient to another. Contamination of the device may lead to injury, illness or death of the patient. After use, dispose of product and packaging in accordance with hospital, administrative and/or local government policy. Exposure to temperatures above 54°C (130°F) may damage device. Do not autoclave. Torqueing or moving the device against resistance may result in damage to the vessel or device. This product is intended for single use only, do not re-sterilize or reuse. Re-sterilization and/or reuse may result in cross contamination and/or reduced performance. When the catheter is exposed to the vascular system, it should be manipulated while under high-quality fluoroscopic observation. Do not advance or retract the catheter if resistance is met during manipulation; determine the cause of the resistance before proceeding. If flow through the device becomes restricted, do not attempt to clear the lumen by infusion. Remove and replace the device. This device is coated with a hydrophilic coating at the distal end of the device for a length of 25 cm. Please refer to the Device Preparation Section for further information on how to prepare and use this device to ensure it performs as intended. Failure to abide by the warnings in this labeling might result in damage to the device coating, which may necessitate intervention or result in serious adverse events. Limit the usage of the AXS Vecta Intermediate Catheter to arteries greater than the catheter's outer diameter. The AXS Vecta Aspiration Catheter has not been evaluated for more than one (1) clot retrieval attempt. The AXS Vecta Aspiration Catheter was evaluated for an average duration of direct aspiration of 4 minutes. This product is intended for single use only, do not re-sterilize or reuse. Operators should take all necessary precautions to limit X-Radiation doses to patients and themselves by using sufficient shielding, reducing fluoroscopy times, and modifying X-Ray technical factors where possible. **Precautions:** Do not use kinked, damaged, or opened devices. Use the device prior to the "Use By" date specified on the package. Maintain a constant infusion of appropriate flush solution. Examine the device to verify functionality and to ensure that its size and shape are suitable for the specific procedure for which it is to be used. The AXS Vecta Intermediate Catheter should be used only by physicians trained in percutaneous procedures and/or interventional techniques. The Scout Introducer should be used with a guidewire and Microcatheter inserted when in vasculature. Medical management and acute post stroke care should follow the ASA guidelines. There is an inherent risk with the use of angiography and fluoroscopy. Operators should take all the necessary precautions to limit X-Radiation doses to patients and themselves by using sufficient shielding, reducing fluoroscopy times, and modifying X-Ray technical factors where possible. Ensure the RHV is fully open before inserting the AXS Vecta Intermediate Catheter. Avoid over- or under-tightening the RHV. Do not insert or advance the AXS Vecta Intermediate Catheter if resistance is encountered without careful assessment of the cause. **Adverse events:** Potential adverse events associated with the use of catheters or with the endovascular procedures include, but are not limited to: acute vessel occlusion, air embolism, allergic reaction and anaphylaxis from contrast media, arteriovenous fistula, death, device malfunction, distal embolization, emboli, false aneurysm formation, hematoma or hemorrhage at the puncture site, inability to completely remove thrombus, infection, intracranial hemorrhage, ischemia, kidney damage from contrast media, neurological deficit including stroke, risks associated with angiographic and fluoroscopic radiation including but not limited to: alopecia, burns ranging in severity from skin reddening to ulcers, cataracts, and delayed neoplasia, sterile inflammation or granulomas at the access site, tissue necrosis, vessel spasm, thrombosis, dissection or perforation.

1. 2.11mm distal OD is as labeled and based on nominal dimensions.

2. Aspiration power is calculated as a function of the vacuum and inner diameter.

Stryker Neurovascular
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strykerneurovascular.com

Date of Release: MAR/2020

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AXS Vecta™
Aspiration Catheter

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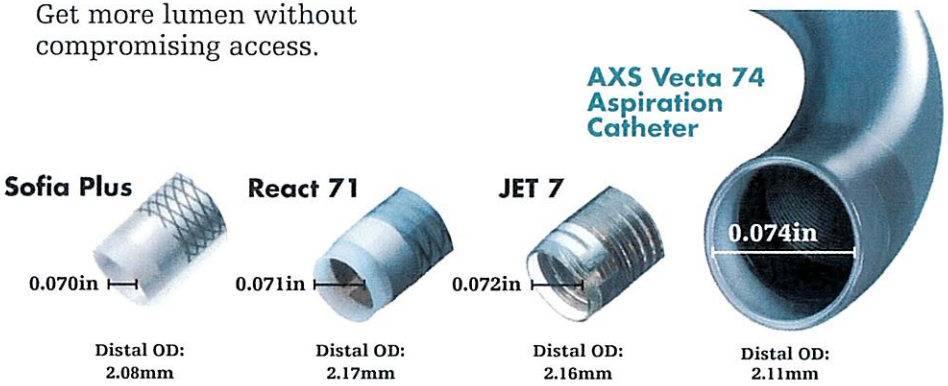
Making a difference with powerful clot removal

How you perform thrombectomy is as unique as each of your patients. That's why we're introducing the AXS Vecta Aspiration Catheter. This catheter's **extra-large lumen is designed to empower clot removal through aspiration alone or with a stent retriever.**

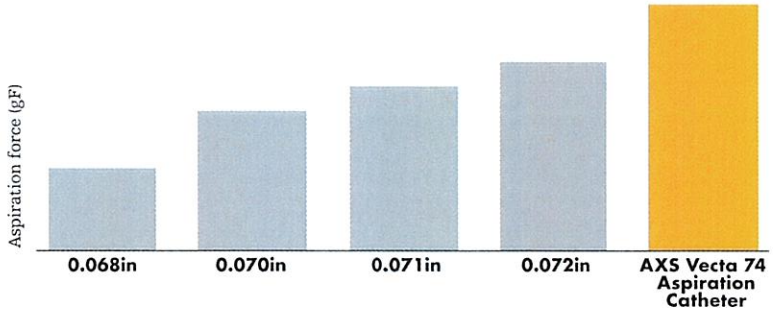
Lower profile 2.11mm distal OD[1]

Get more lumen without compromising access.



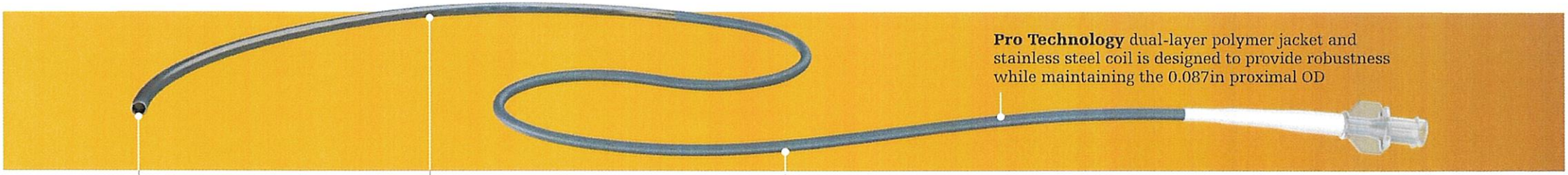
Extra-large 0.074in lumen to remove clot

Up to **20% more aspiration power**[2] with the extra-large bore and 0.218in AXS Universal Aspiration Tubing.



Photographs by Stryker. Images are not to scale.
1. 2.11mm distal OD is as labeled and based on nominal dimensions.

2. Aspiration power is calculated as a function of the vacuum and inner diameter.



10.8cm nitinol coil flex zone with soft, rounded tip

23cm mid-shaft cross-coil for support outside the sheath

Hub-to-tip PTFE liner for smooth stent retriever interaction

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AXS Vecta Intermediate Catheter

UPN	Description	ID	Distal OD	Proximal OD	Minimum compatible guide / Sheath ID	Stent retriever compatibility
INC-11989-115	115cm AXS Vecta 74 Aspiration Catheter	0.074in / 1.88mm	0.083in / 2.11mm	0.087in / 2.21mm	0.091in / 2.31mm	Yes, with full-length PTFE liner
INC-11989-125	125cm AXS Vecta 74 Aspiration Catheter	0.074in / 1.88mm	0.083in / 2.11mm	0.087in / 2.21mm	0.091in / 2.31mm	Yes, with full-length PTFE liner
INC-11989-132	132cm AXS Vecta 74 Aspiration Catheter	0.074in / 1.88mm	0.083in / 2.11mm	0.087in / 2.21mm	0.091in / 2.31mm	Yes, with full-length PTFE liner
INC-11988-115	115cm AXS Vecta 71 Aspiration Catheter	0.071in / 1.80mm	0.082in / 2.09mm	0.085in / 2.16mm	0.088in / 2.24mm	Yes, with full-length PTFE liner
INC-11988-125	125cm AXS Vecta 71 Aspiration Catheter	0.071in / 1.80mm	0.082in / 2.09mm	0.085in / 2.16mm	0.088in / 2.24mm	Yes, with full-length PTFE liner
INC-11988-132	132cm AXS Vecta 71 Aspiration Catheter	0.071in / 1.80mm	0.082in / 2.09mm	0.085in / 2.16mm	0.088in / 2.24mm	Yes, with full-length PTFE liner

Stroke Fast Pack

UPN	Description
AXS2PK07412500	125cm AXS Vecta 74 Aspiration Catheter + 0.218in AXS Universal Aspiration Tubing
AXS2PK07413200	132cm AXS Vecta 74 Aspiration Catheter + 0.218in AXS Universal Aspiration Tubing
AXS2PK07112500	125cm AXS Vecta 71 Aspiration Catheter + 0.218in AXS Universal Aspiration Tubing
AXS2PK07113200	132cm AXS Vecta 71 Aspiration Catheter + 0.218in AXS Universal Aspiration Tubing

AXS Vecta Aspiration Catheter

See package insert for complete indications, contraindications, warnings and instructions for use.

Intended use/indications for use

The AXS Vecta Aspiration System, including the AXS Vecta Aspiration Catheter, Aspiration Tubing Set, and VC-701 Cliq Aspirator Pump, is indicated in the revascularization of patients with acute ischemic stroke secondary to intracranial large vessel occlusive disease (within the internal carotid, middle cerebral – M1 and M2 segments, basilar, and vertebral arteries) within 8 hours of symptom onset. Patients who are ineligible for intravenous tissue plasminogen activator (IV t-PA) or who failed IV t-PA therapy are candidates for treatment.

This document is intended solely for the use of healthcare professionals.

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Date of Release: NOV/2020

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AXS Vecta™ Aspiration Catheter

with Pro Technology™

Technical presentation

42

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What is an aspiration catheter?

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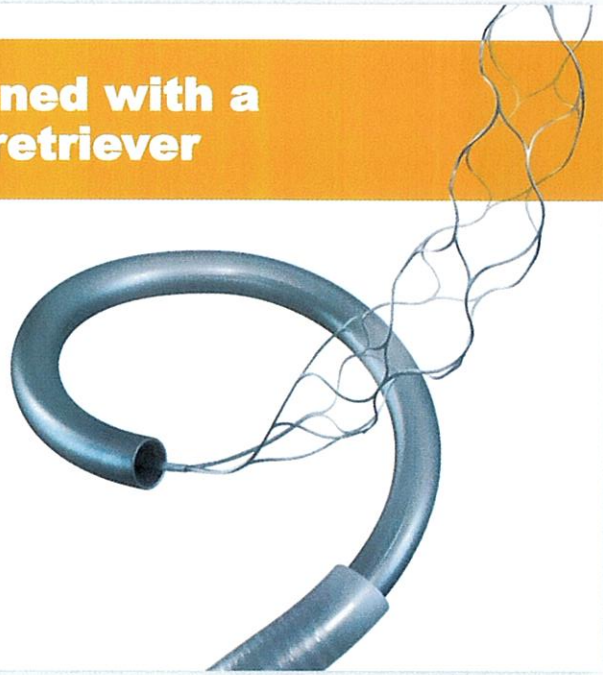
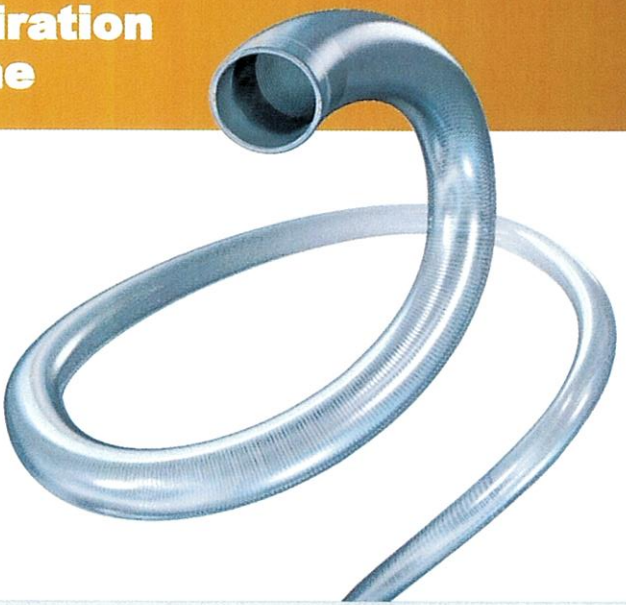
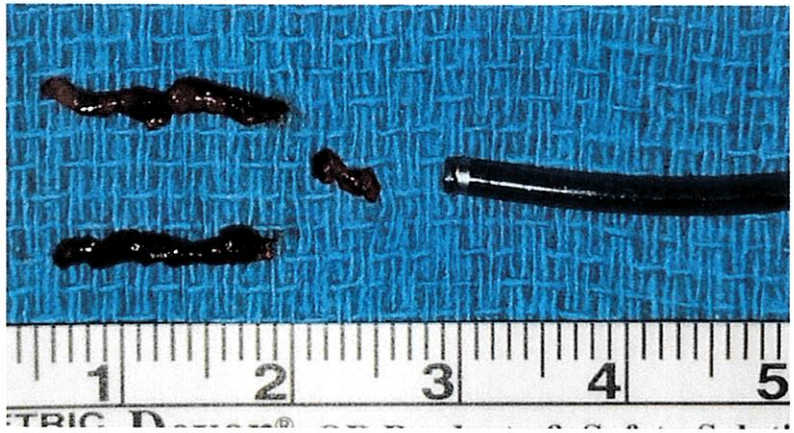
Combined with a stent retriever



Aspiration alone





All photographs are taken by Stryker.
Results from cases are not predictive of results in other cases. Results in other cases may vary

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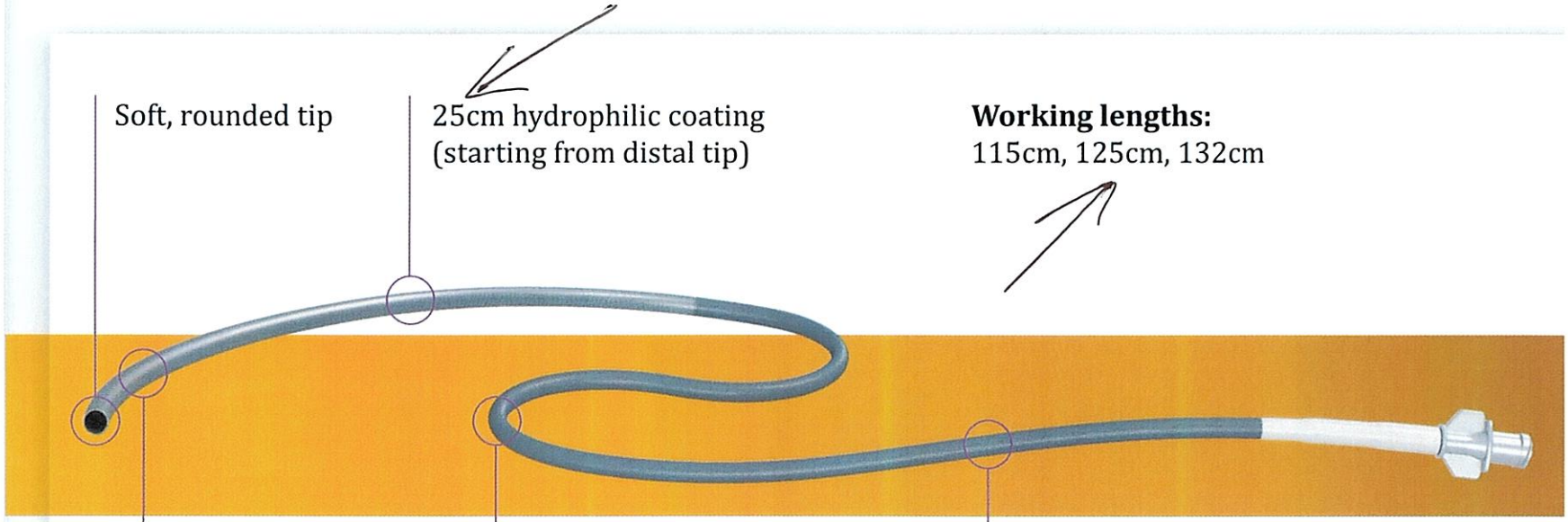
Specifications



Name	Inner diameter	Outer diameter (proximal – distal)	Length
AXS Vecta 74 Aspiration Catheter	0.074in	2.21mm – 2.11mm (0.087in – 0.083in)	115cm 125cm 132cm
AXS Vecta 71 Aspiration Catheter	0.0715in	2.16mm – 2.08mm (0.085in – 0.082in)	115cm 125cm 132cm

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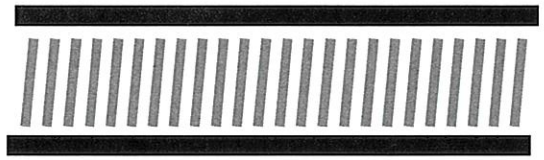
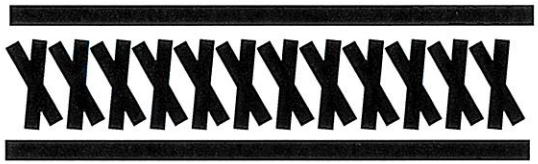
Enhanced durability with Pro Technology™



Distal shaft

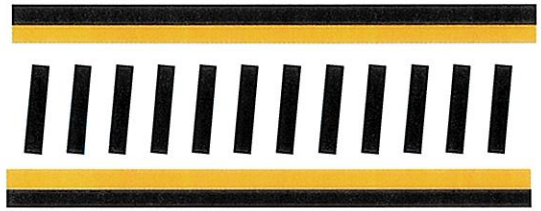
10.8cm **nitinol round coil wire** to provide flexibility for distal navigation



Mid-shaft

23cm stainless steel flat wire **cross coil** for support outside of sheath

Pro Technology proximal shaft



Dual-layer polymer jacket to improve resilience while maintaining original-design pushability

Stainless steel single wind coil to keep the same proximal OD

<1% fracture rate under extreme-force condition testing

Bench testing conducted by Stryker. Data on file. Bench test results are not necessarily indicative of clinical performance.
N=283 test points

Go back

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Powerful aspiration with 0.074in lumen

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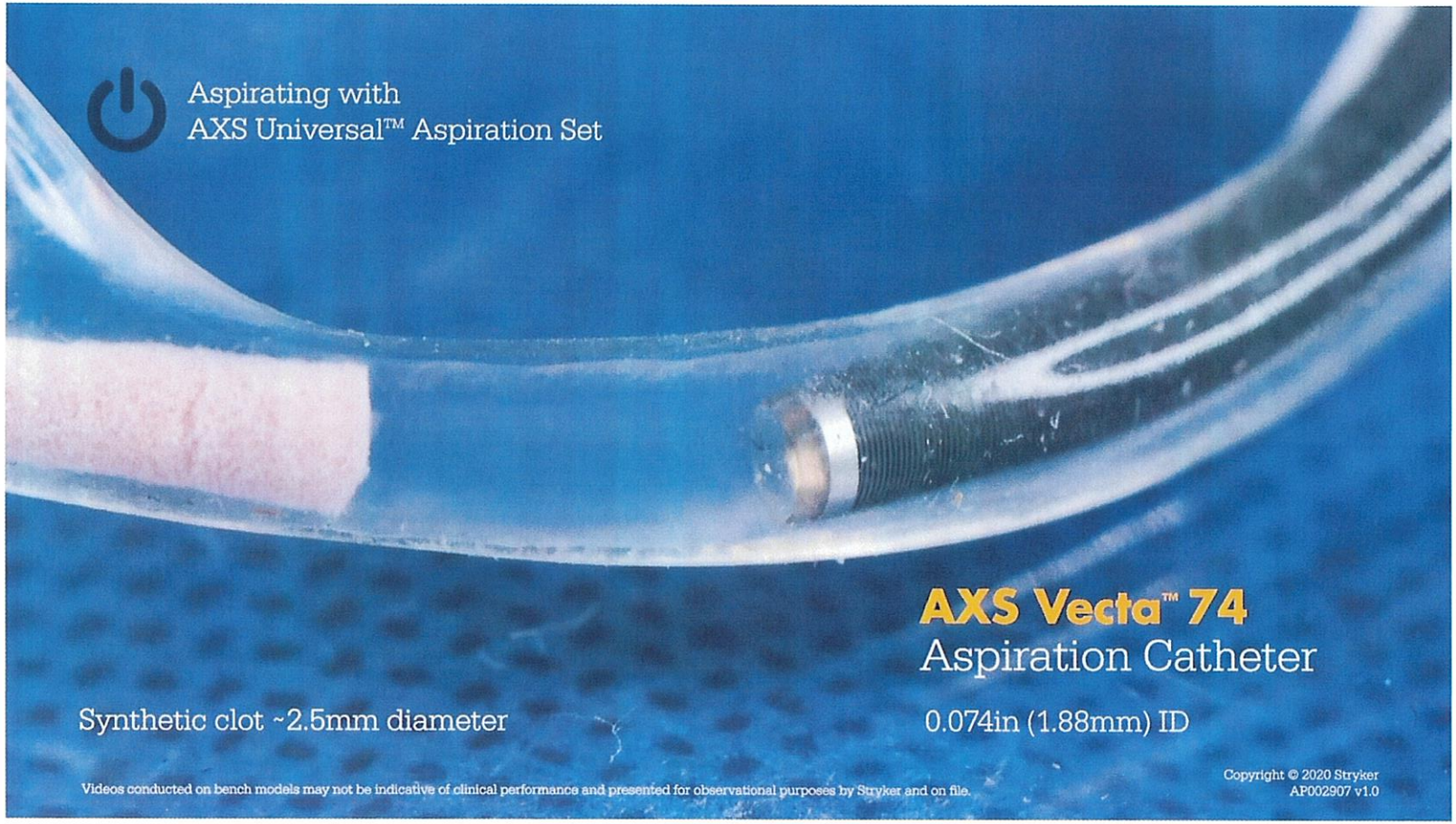

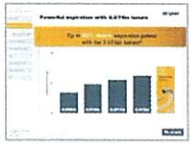

All videos are taken by Stryker. Videos conducted on bench models may not be indicative of clinical performance and presented for observational purposes by Stryker and on file.

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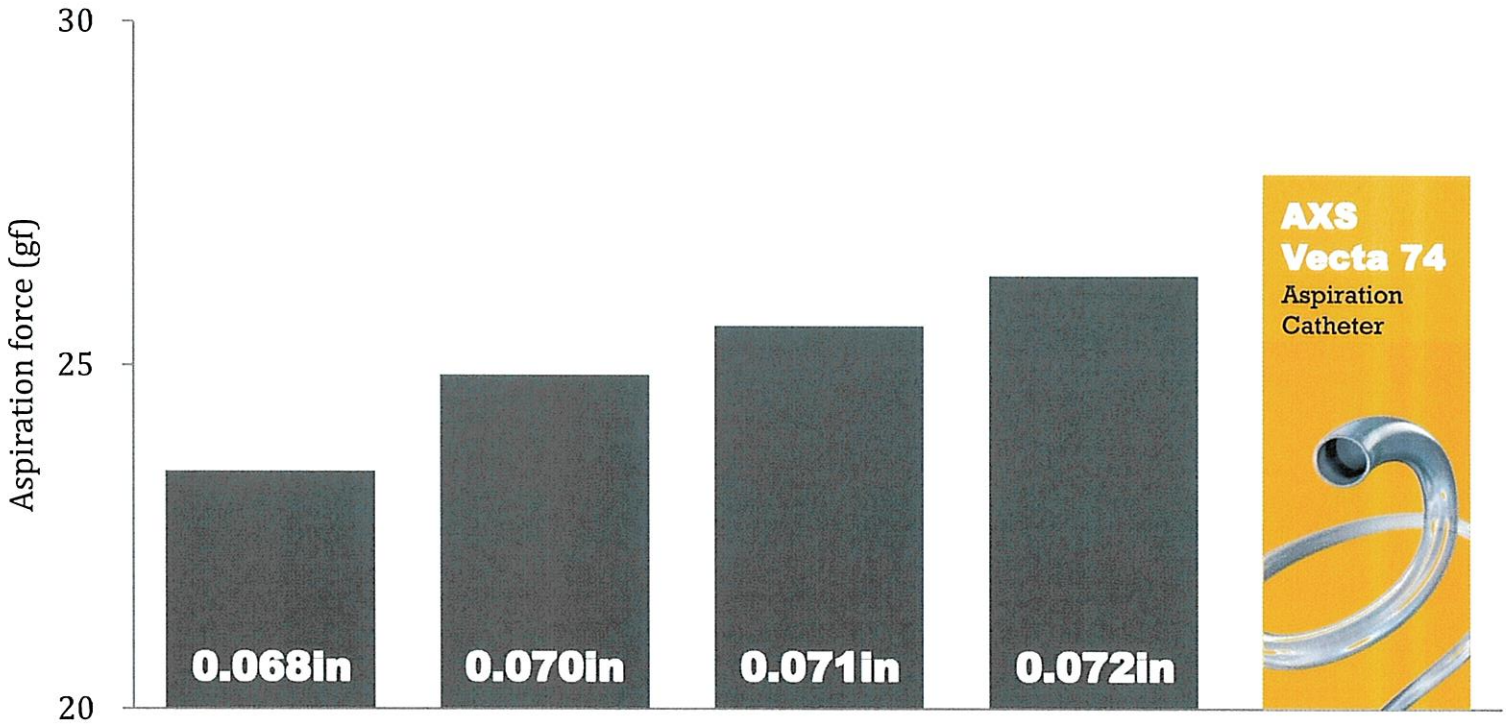
Powerful aspiration with 0.074in lumen

Up to 20% more aspiration power with the 0.074in lumen*



* As compared with an 0.068in aspiration catheter. Aspiration force is calculated using -29inHg of vacuum pressure and rounded to the nearest 10%. Data on file.

Go back

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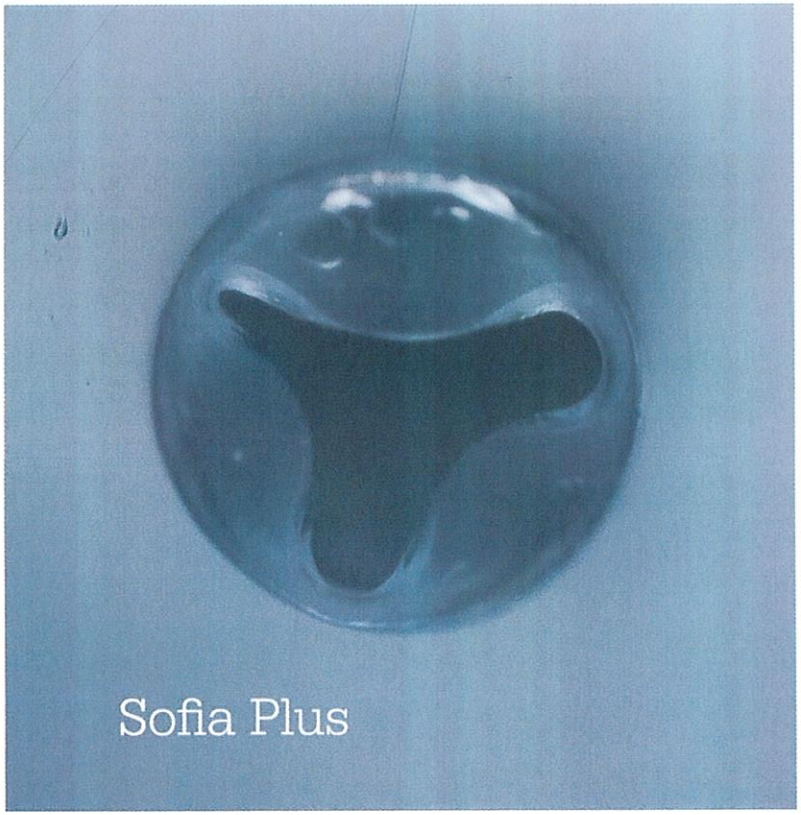
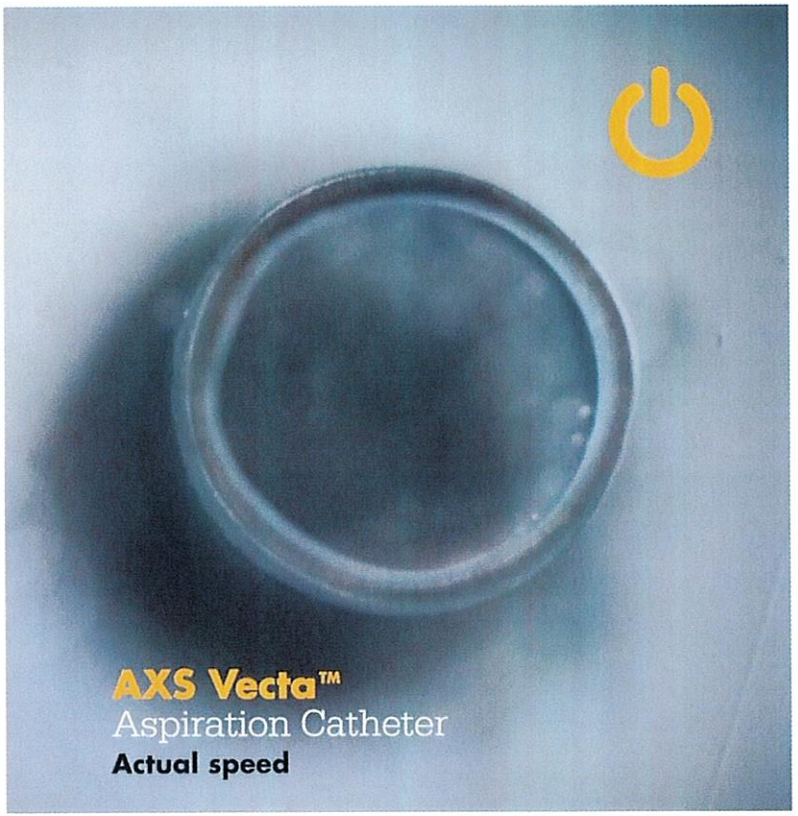
Collapse-resistant lumen

Sofia Plus | JET 7 | React 71





All videos are taken by Stryker. Videos conducted on bench models may not be indicative of clinical performance and presented for observational purposes by Stryker and on file.

Introducing our first delivery assist catheter

- Purposefully designed to assist in the delivery of intermediate catheters
- Enhances the intermediate catheter and guidewire system by minimizing transition gaps
- Assists in advancing intermediate catheters to the target location whether at the face of a clot or distal end of an aneurysm

Broad compatibility

Designed to enhance deliverability of ≥0.058in ID intermediate catheters and guidewires up to 0.018in OD.

AXS Catalyst™5 Distal Access Catheter

AXS Catalyst 6 Distal Access Catheter

Synchro™ Guidewire

Device	ID	Distal tip OD	Distal tip taper	Bulb OD	Bulb length	Effective length	Catalog number	Product number
AXS Offset™ Delivery Assist Catheter	0.021in (0.6mm)	0.036in (0.9mm) (2.7F)	2cm	0.050in (1.3mm) (3.9F)	28cm	150cm	DC050150	M003DC0501509

Illustrated length not to proportion.

AXS Offset™ Delivery Assist Catheter

See package insert for complete indications, contraindications, warnings and instructions for use.

INTENDED USE/INDICATIONS FOR USE

The AXS Offset Delivery Assist Catheter is intended to assist in the delivery of interventional devices in the neurovasculature.

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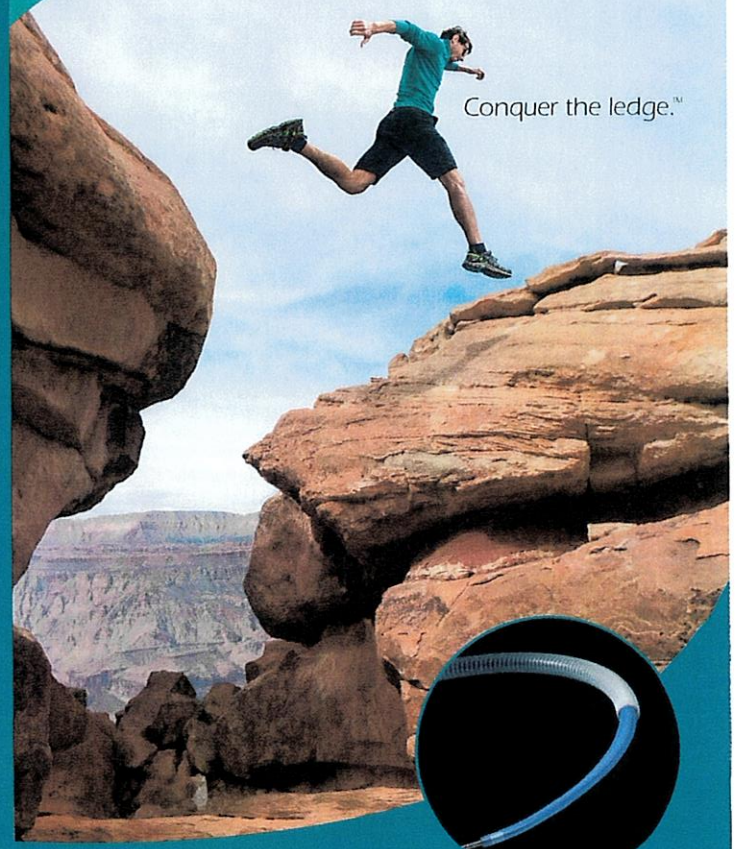


AXS Offset™
DELIVERY ASSIST CATHETER

AXS Offset™

DELIVERY ASSIST CATHETER

Ophthalmic ledge navigation
Eases delivery of intermediate catheter past the ophthalmic artery

2cm taper
Smooth transition from guidewire to intermediate catheter

Mitigates tip catching

A unique design reduces the space between guidewire and intermediate catheter, for advancement past arterial challenges.

- Distal tip taper provides a seamless access approach
- Supportive bulb reduces the step-off ledge effect
- Excellent trackability facilitates delivery in tortuous anatomy

Smooth, rounded tip
Atraumatic clot or vessel interaction

Reduced ledge effect
Reduces chance of intermediate catheter tip catching

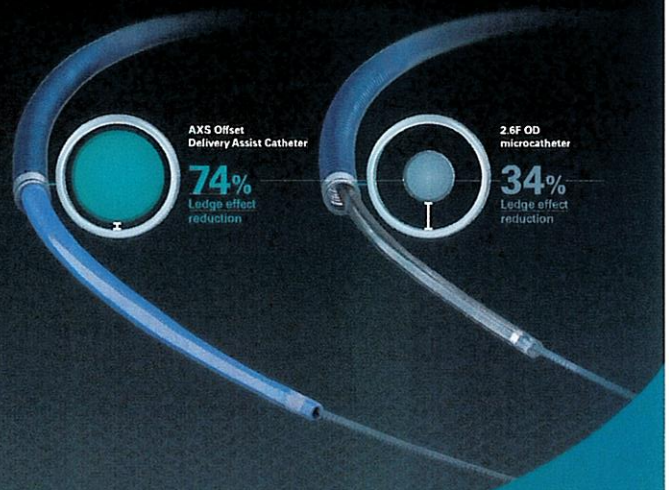
Large 0.050in OD bulb
Fills inner lumen of intermediate catheter

Compatibility
Improved access for ≥0.058in ID intermediate catheters

Highly kink-resistant
Trackability in extreme tortuosity

Smooth access approach

AXS Offset™ Delivery Assist Catheter reduces the intermediate catheter ledge effect compared to other microcatheters.



Conquer the ledge.™

SNV-2364 AXS_Offset_Brochure_OUS_M1f.indd 5-6 8/17/17 3:57 PM

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Conquer the ledge.™

- **World's first delivery assist catheter**
  First catheter purposefully designed to assist in the delivery of intermediate catheters
- **Mitigates tip catching**
  Distal tip taper and supportive bulb reduces the step-off ledge for a smooth access approach
- **Broad compatibility**
  Compatible with ≥0.058in (1.47mm) ID intermediate catheters

Inner diameter	Distal tip OD	Distal taper length	Bulb OD	Bulb length	Effective length	Catalog number	Product number
0.021in (0.5mm)	0.036in (0.9mm) [2.7F]	2cm	0.050in (1.3mm) [3.8F]	28cm	150cm	DC050150	M003DC0501500

AXS Offset™
DELIVERY ASSIST CATHETER

AXS Offset™ Delivery Assist Catheter

See package insert for complete indications, contraindications, warnings and instructions for use.

INTENDED USE/INDICATIONS FOR USE

The AXS Offset Delivery Assist Catheter is intended to assist in the delivery of interventional devices in the neurovasculature.

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Date of Release: MAR/2017

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AXS Offset Delivery Assist Catheter

Physician preference evaluation in-service

AXS Offset™
DELIVERY ASSIST CATHETER

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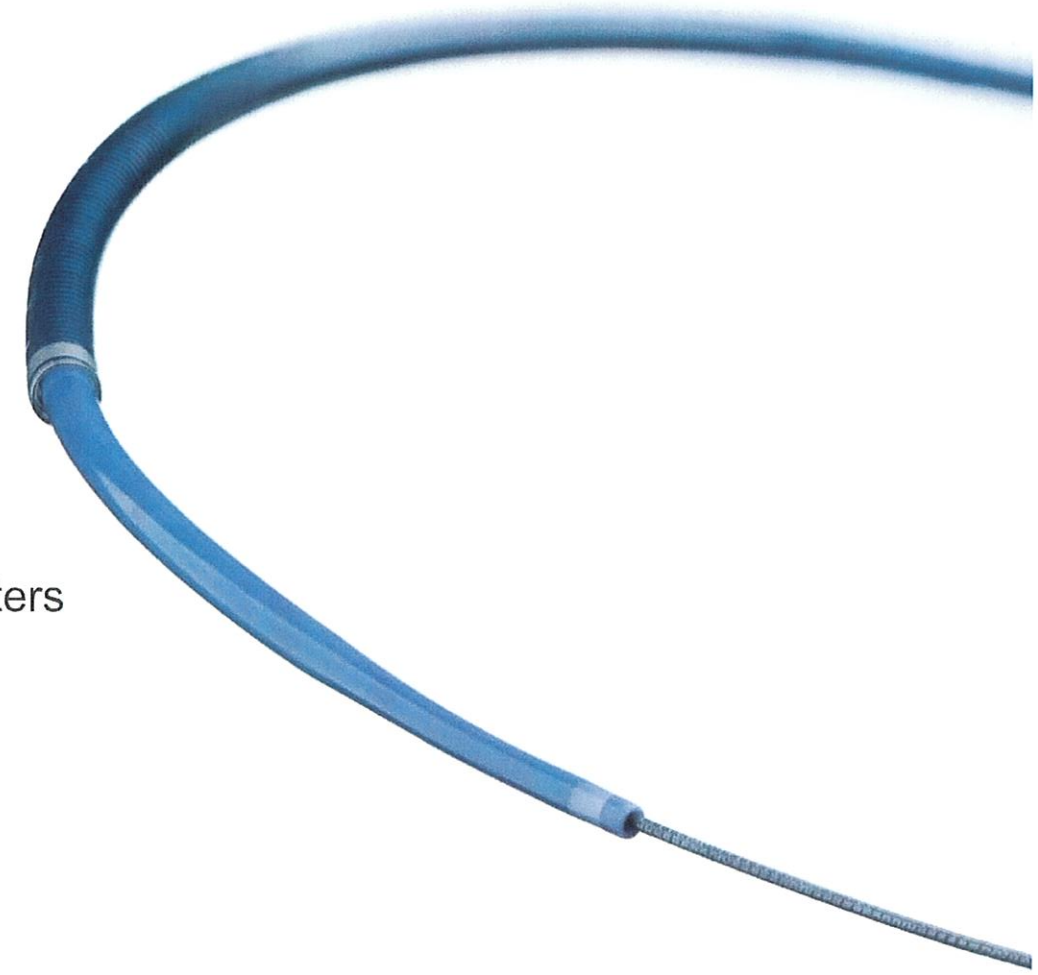
Conquer the ledge.™

- World's first delivery assist catheter
- Mitigates tip catching
- Purposefully designed for intermediate catheters



Illustrations and photographs by Stryker

AXS Offset™
DELIVERY ASSIST CATHETER

AXS Offset

World's first delivery assist catheter

Indications for Use

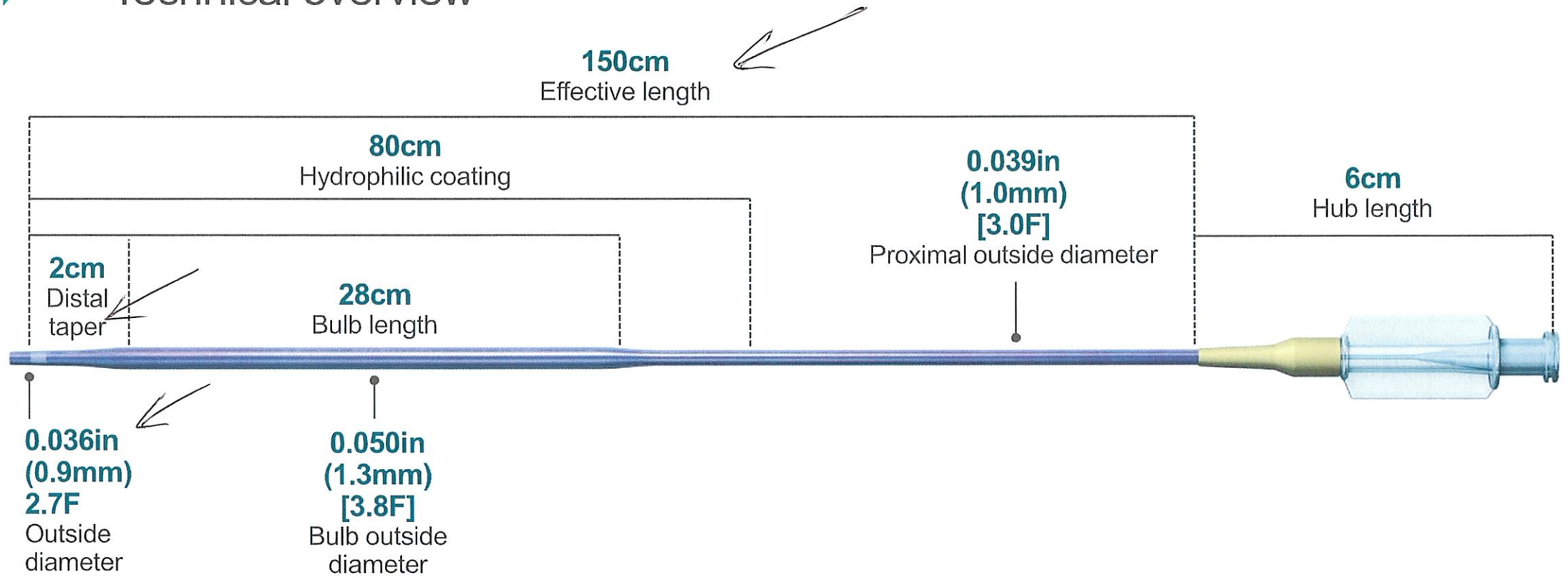
The AXS Offset Delivery Assist Catheter is intended to assist in the delivery of interventional devices in the neurovasculature.

The AXS Offset is only to be used with compatible guidewires and intermediate catheters to aid in accessing distal vasculature.

Do not use with stent retrievers.

Illustrations and photographs by Stryker

Technical overview



AXS Offset

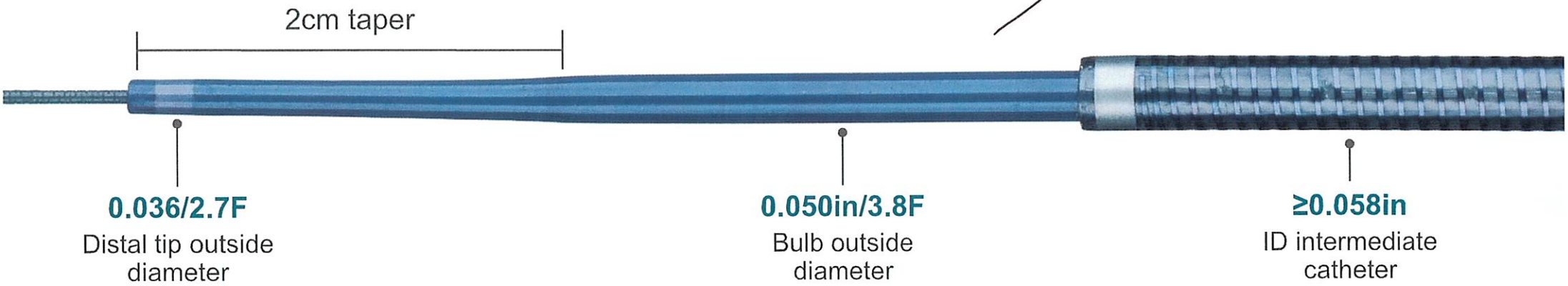
World's first delivery assist catheter

Mitigates tip catching

- Distal tip taper provides a seamless access approach
- Supportive bulb reduces the step-off ledge effect
- Excellent trackability facilitates delivery in tortuous anatomy

Rounded atraumatic tip

Highly kink resistant



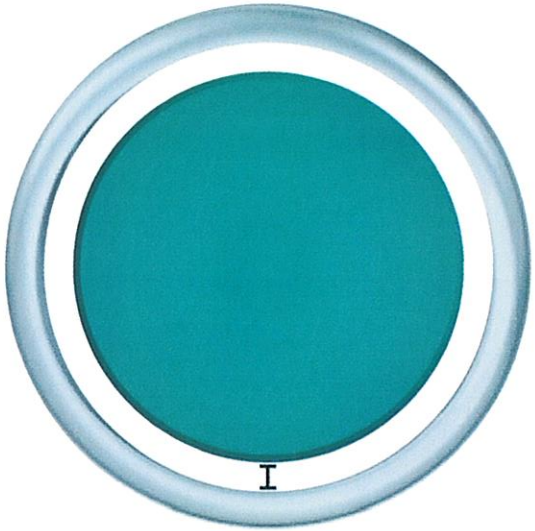
0.036/2.7F
Distal tip outside diameter

0.050in/3.8F
Bulb outside diameter

≥0.058in
ID intermediate catheter

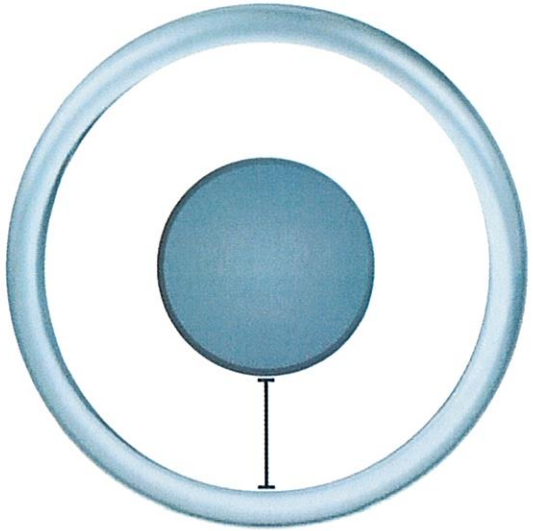
Conquer the Ledge.™

AXS Offset
Deliver Assist Catheter



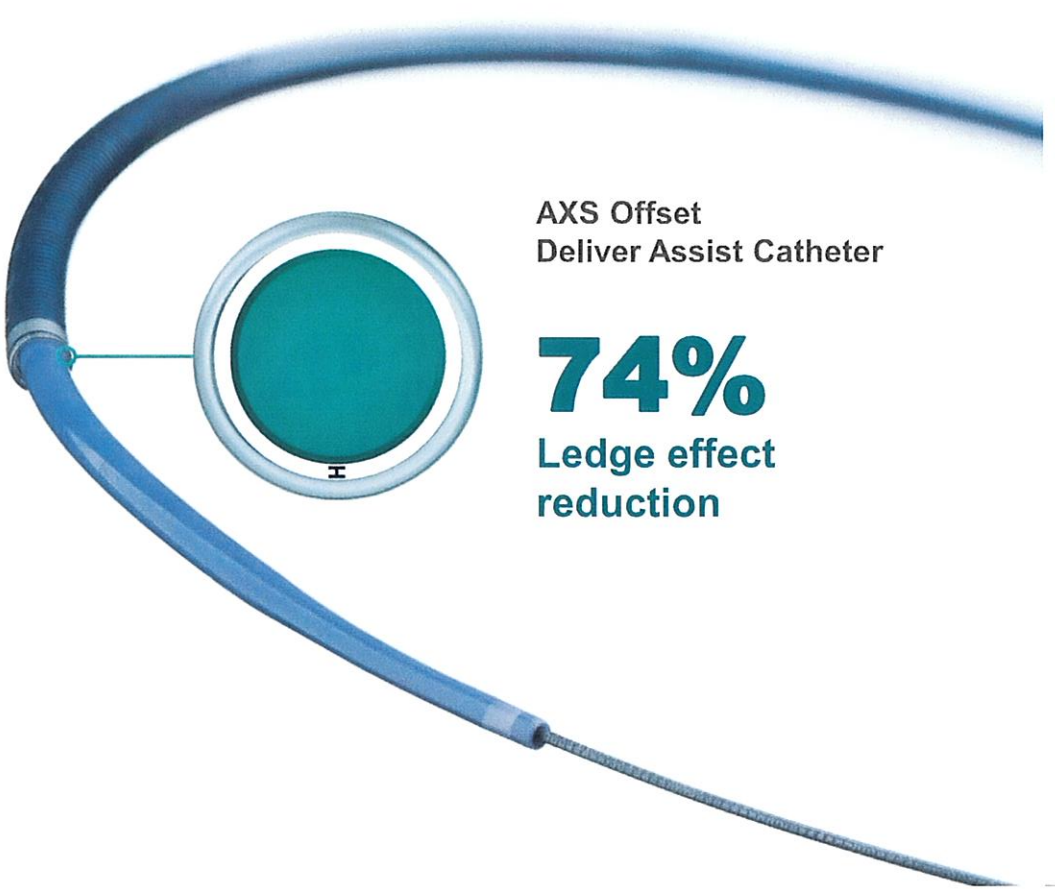
74% | **reduction of the intermediate catheter ledge effect with AXS Offset**

2.6F OD
microcatheter



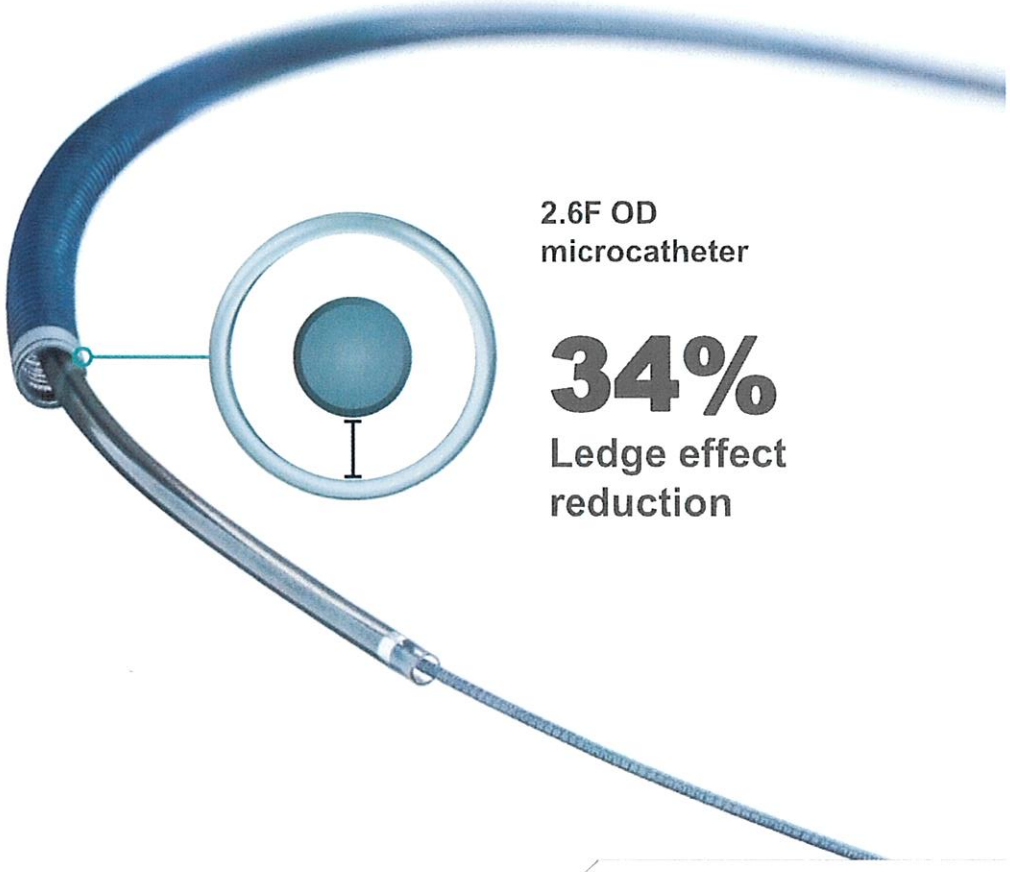
34% | **reduction of the intermediate catheter ledge effect with 0.027in microcatheter**

Conquer the Ledge.™



AXS Offset
Deliver Assist Catheter

74%
Ledge effect reduction



2.6F OD
microcatheter

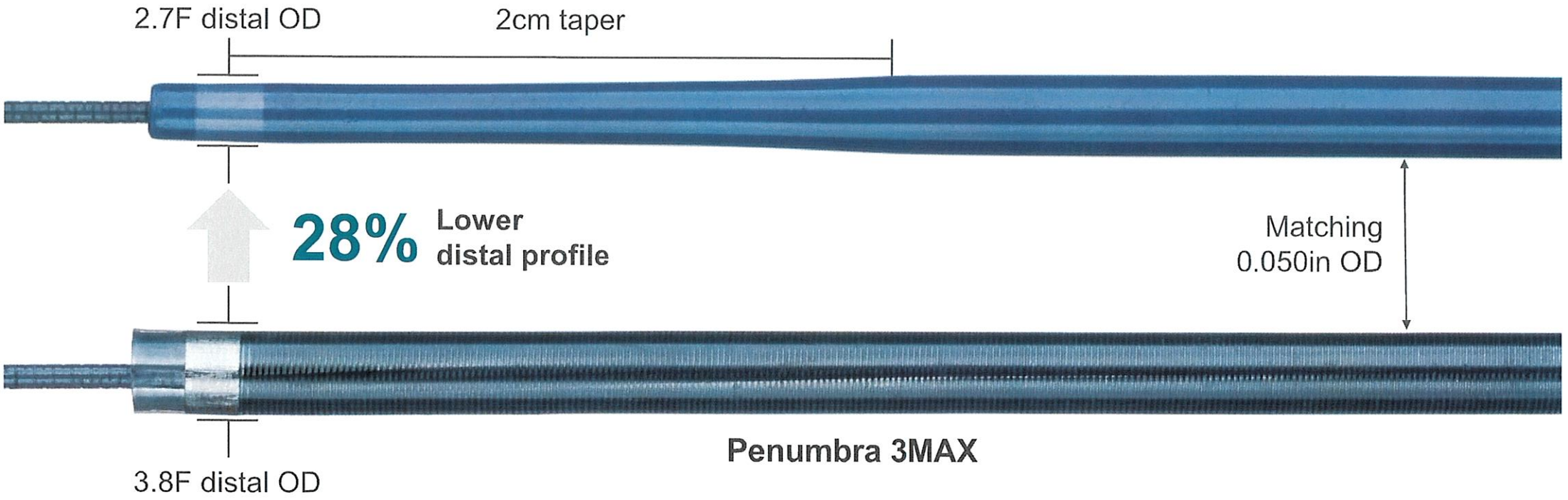
34%
Ledge effect reduction

Illustrations and photographs by Stryker

AXS Offset™
DELIVERY ASSIST CATHETER

AXS Offset

World's first delivery assist catheter



Illustrations and photographs by Stryker

AXS Offset

Intermediate catheter compatibility

AXS Offset Delivery Assist Catheter is specifically designed to seamlessly deliver intermediate catheters to the target location.

AXS Offset Delivery Assist Catheter

+ 0.058in intermediate catheters	+ 0.060-0.064in intermediate catheters	+ +0.064in intermediate catheters
AXS Catalyst 5 Distal Access Catheter	**AXS Catalyst 6 Distal Access Catheter**	ACE 68 Catheter
Navien 058 Catheter	5Max ACE Catheter	Sofia 6F Catheter
	ACE 64 Catheter	Navien 072 Catheter
	Arc Catheter	

AXS Offset

Preparations for use

- Flush dispenser coil and hydrophilically coated outer shaft of the AXS Offset Delivery Assist Catheter prior to removal from the packaging tray

- Set-up continuous flush through an appropriately sized distal access catheter and through the AXS Offset Delivery Assist Catheter

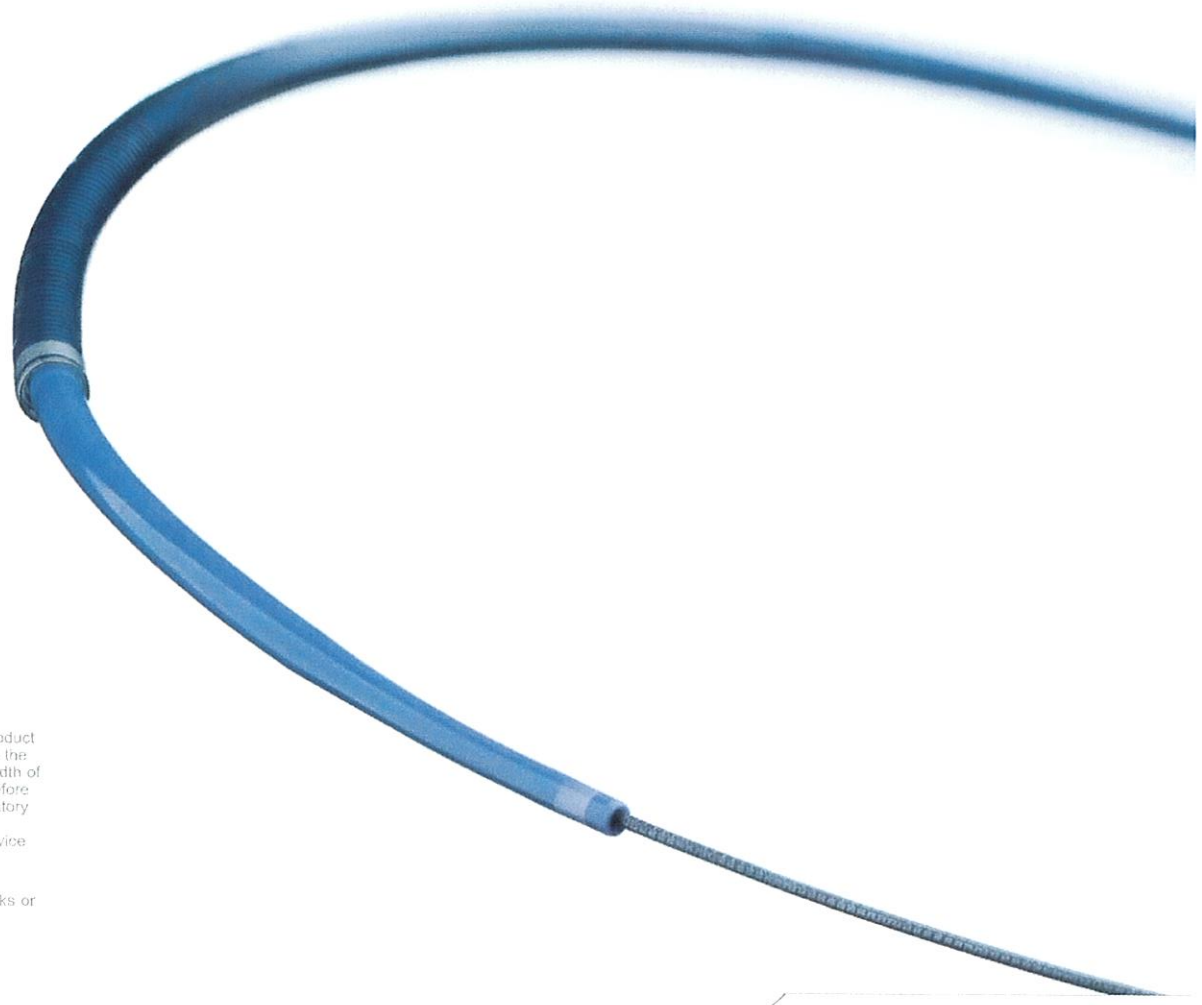
Directions for use

- Gently insert the AXS Offset Delivery Assist Catheter tip through a compatible distal access catheter over an appropriately sized guidewire

- Advance the AXS Offset and distal access catheter through the vasculature to the desired location

AXS Offset

DELIVERY ASSIST CATHETER



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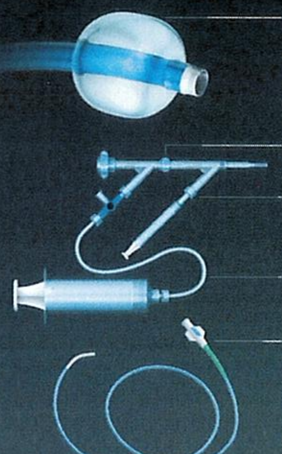
Part of the Complete Trevo Stroke Solutions™

- Access platform for the Trevo® XP ProVue Retriever and AXS Catalyst® 6 (CAT™ 6) Distal Access Catheter
- Device compatibility enables fast switching between devices, no matter the approach

FlowGate²™ Balloon Guide Catheter with ReadyPack Accessories¹



Balloon Inflation Volume	Balloon Diameter	Balloon Length
0.2mL	7mm	8mm
0.4mL	9mm	9mm
0.6mL	10mm	10mm

Tip Shape	Outer Diameter	Inner Diameter	Effective Length
Berenstein tip	6F	Proximal: 0.063in/ Distal: 0.040in	124cm

¹ 3-way stopcock and syringes (1mL, 20mL, 60mL) are not included, but recommended.

FlowGate²™ Balloon Guide Catheter Specifications

Reference Number	Outer Diameter	Inner Diameter	Length
90495	8F (0.106in/2.7mm)	0.084in (6.4F/2.1mm)	95cm
90485	8F (0.106in/2.7mm)	0.084in (6.4F/2.1mm)	85cm

FlowGate²™ Balloon Guide Catheter

See package insert for complete indications, complications, warnings, and instructions for use.

INDICATIONS FOR USE

[illegible]

COMPLICATIONS

[illegible]

COMPATIBILITY

[illegible]

WARNINGS

[illegible]

PRECAUTIONS

[illegible]

AXS Catalyst® Distal Access Catheter

See package insert for complete indications, complications, warnings, and instructions for use.

INTENDED USE/INDICATIONS FOR USE (US)

[illegible]

INTENDED USE/INDICATIONS FOR USE (OUS)

[illegible]

CONTRAINDICATIONS

[illegible]

ADVERSE EVENTS

[illegible]

WARNING

[illegible]

PRECAUTIONS

[illegible]

Trevo® XP ProVue Retrievers

See package insert for complete indications, complications, warnings, and instructions for use.

INDICATIONS FOR USE

[illegible]

COMPLICATIONS

[illegible]

COMPATIBILITY

[illegible]

WARNINGS

[illegible]

PRECAUTIONS

[illegible]

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Fremont, CA 94538

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Date of Release: AUG/2016
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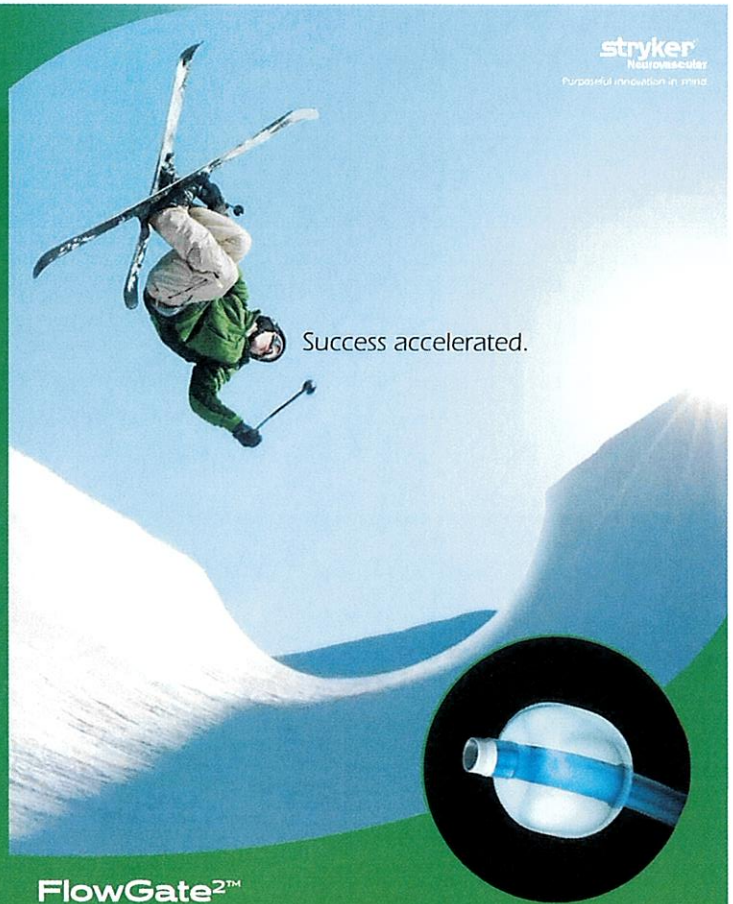
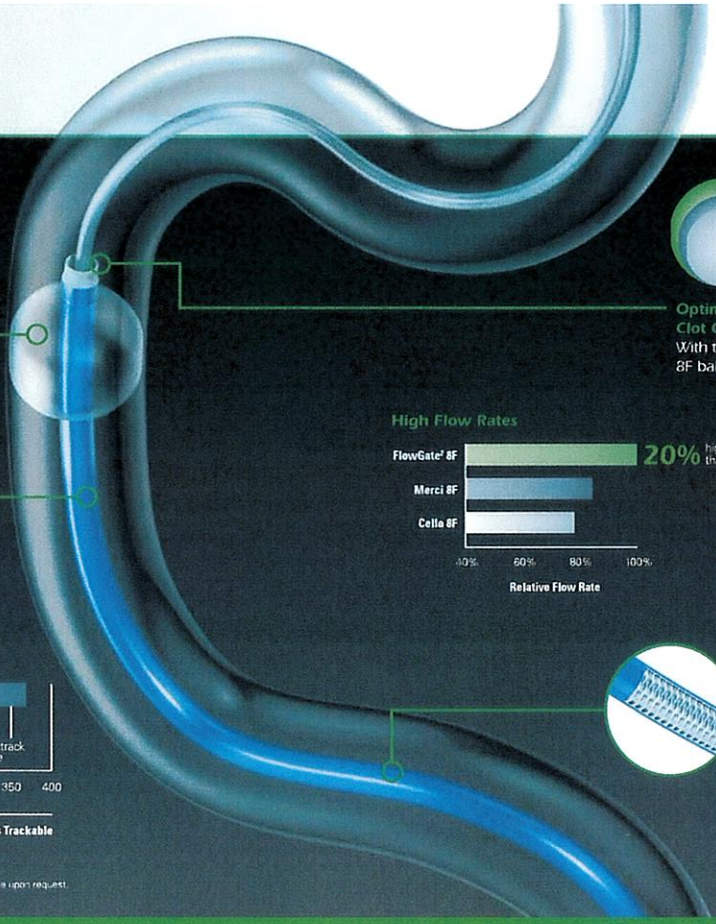


FlowGate²™
BALLOON GUIDE CATHETER

47

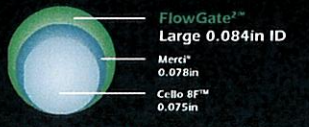
FlowGate²™
BALLOON GUIDE CATHETER

DESIGNED FOR SUCCESS



Proximal Flow Control
With a 10mm compliant balloon

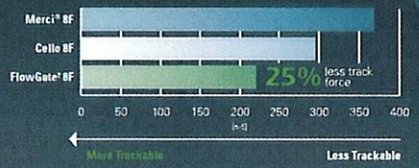
Superior Trackability for Rapid Neurovascular Access
With a balance of proximal support and distal flexibility



Optimized for Maximum Clot Capture
With the largest inner diameter of any 8F balloon guide catheter

High Flow Rates

Max Force Needed to Track the ICA (g)



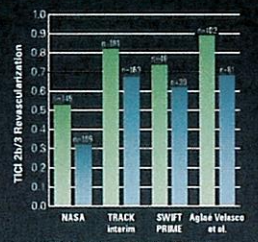
Bench test results may not be indicative of clinical performance.
Data are on file at Stryker Neurovascular and will be made available upon request.

Improved Stability
With stainless steel double braid and five transition zones for proximal support and distal flexibility

FLOW CONTROL FOR SUCCESS

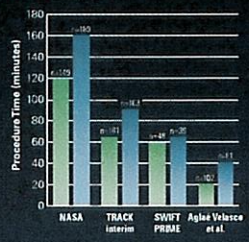
Study results correlate AIS procedure efficacy with use of flow control

Higher TICI Revascularization*

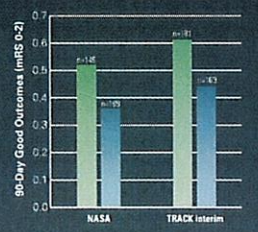


*TRACK data presented TICI 2b/3 results.
NASA, SWIFT PRIME, and Aglaé Velasco et al. presented TICI 3 results.

Faster Procedure Time



Consistently Better Patient Outcomes



BGC Non-BGC

NASA: Analysis of the NASA registry. T Nguyen et al. J Neurointerv Surg 2013;5 A2-A3 2013.

Swift Prime: V Pereira et al., J Neurointerv Surg 2015; 7(Suppl 1):A1-114.

TRACK: Osama O Zaidat. TRACK, LINIC 2015.

Velasco et al.: Aglaé Velasco et al. Radiology 2016.

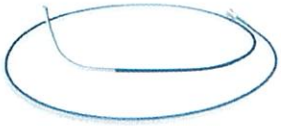
FlowGate² Balloon Guide Catheter not included in these studies.

Success accelerated.

FlowGate™
BALLOON GUIDE CATHETER

ReadyPack Accessories

Simplify prep and use when time is critical



Guide Assist Catheter (Dilator)
Facilitates delivery of the balloon guide catheter

Outer Diameter	6F
Inner Diameter	0.041 - 0.050in
Effective Length	123cm

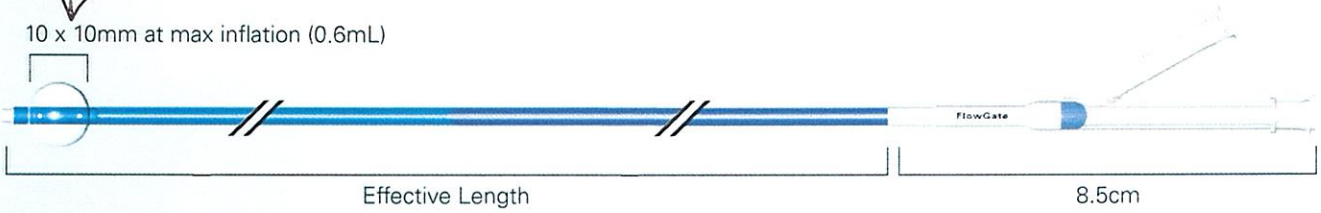
Luer Activated Flow Valve
Engineered to maintain balloon inflation and simplify balloon prep

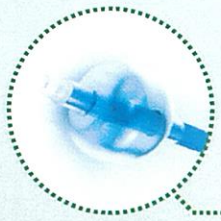
Peel Away Sheath
Designed to protect the balloon and the distal tip of the balloon guide catheter when inserting the catheter through the insertion sheath

RHV & Tuohy Borst With Sideport
Can be used interchangeably to accommodate desired catheter working length

Extension Tubing
Facilitates aspiration with a 60mL syringe

FlowGate Balloon Guide Catheter Specifications





FlowGate Balloon Guide Catheter

Reference Number	Description	Outer Diameter	Inner Diameter	Effective Length
90254	8F x 85cm FlowGate BGC	8F	0.084in	85cm
90253	8F x 95cm FlowGate BGC	8F	0.084in	95cm

FlowGate™ and Merci® Balloon Guide Catheters

See package insert for complete indications, complications, warnings, and instructions for use.

INDICATIONS FOR USE

FlowGate™ Balloon Guide Catheters are indicated for use in facilitating the insertion and guidance of an intravascular catheter into a selected blood vessel in the peripheral and neuro vascular systems. The balloon provides temporary vascular occlusion during these and other angiographic procedures. The Balloon Guide Catheter is also indicated for use as a conduit for Retrieval devices.

COMPLICATIONS

Procedures requiring percutaneous catheter introduction should not be attempted by physicians unfamiliar with the possible complications. Possible complications include, but are not limited to, the following: infection, hematoma, distal embolization, vessel thrombosis, dissection, false aneurysm formation, acute occlusion, clot formation, hemorrhage at the puncture site, intracranial hemorrhage, arterial rupture, stroke and death.

COMPATIBILITY

Introducer sheath French size must be greater than or equal to balloon guide catheter French size.

WARNINGS

- Contents supplied STERILE, using an ethylene oxide (EO) process. Nonpyrogenic.
- Do not reuse. Discard after one procedure. Structural integrity and/or function may be impaired through reuse or cleaning.
- Never advance or torque catheter against resistance without careful assessment of cause of resistance using fluoroscopy. If cause cannot be determined, withdraw catheter. Movement against resistance may result in damage to vessel or catheter.
- To reduce risk of complications due to slow balloon deflation, adhere to the following recommendations:
  - Wet distal shaft with saline before advancing peel-away sheath over balloon.
  - Use peel-away sheath to advance catheter into introducer sheath.
  - Minimize pushing forces on shaft during advancement. These forces can cause wrinkles in shaft that can slow balloon deflation.
  - Do not use device if shaft is damaged during use.
  - Prepare balloon according to Recommended Procedure.
- To reduce risk of complications due to air emboli, remove air from balloon according to Recommended Procedure.
- Withdrawing balloon through introducer sheath may damage balloon. Do not use catheter again after withdrawing balloon through introducer sheath.
- To avoid balloon leakage, do not allow balloon to contact calcified or stented arteries and do not allow balloon to move during inflation.
- Do not use a device that has been damaged. Use of damaged devices may result in complications.
- Do not exceed maximum recommended balloon inflation volume. Excess inflation volume may rupture balloon.
- For through-lumen, do not exceed 2068 kPa (300 psi) maximum recommended infusion pressure. Excess pressure may result in catheter rupture or tip detachment.
- If flow through catheter becomes restricted, do not attempt to clear catheter lumen by infusion. Doing so may cause catheter to rupture, resulting in vessel trauma. Remove and replace catheter.
- Do not steam shape guide catheter.

PRECAUTIONS

- Prescription only – device restricted to use by or on order of a physician.
- Store in a cool, dry, dark place.
- Do not use open or damaged packages.
- Use by "Use By" date.
- Exposure to temperatures above 54°C (130°F) may damage device and accessories. Do not autoclave.
- Upon removal from package, inspect device to ensure it is not damaged.
- Do not expose device to solvents.
- Use device in conjunction with fluoroscopic visualization and proper anti-coagulation agents.
- Torquing guide catheter while kinked may cause damage that could result in separation of catheter shaft.
- If a device becomes lodged in guide catheter, or if guide catheter becomes severely kinked, withdraw entire system (guide catheter, guidewire and catheter sheath introducer).
- To prevent thrombus formation and contrast media crystal formation, maintain a constant infusion of appropriate flush solution through guide catheter lumen.

Trevo® Retriever

See package insert for complete indications, complications, warnings, and instructions for use.

INDICATIONS FOR USE

The Trevo® Retriever is intended to restore blood flow in the neurovasculature by removing thrombus in patients experiencing ischemic stroke within 8 hours of symptom onset. Patients who are ineligible for intravenous tissue plasminogen activator (IV t-PA) or who fail IV t-PA therapy are candidates for treatment.

COMPLICATIONS

Procedures requiring percutaneous catheter introduction should not be attempted by physicians unfamiliar with possible complications which may occur during or after the procedure. Possible complications include, but are not limited to, the following: air embolism; hematoma or hemorrhage at puncture site; infection; distal embolization; vessel spasm, thrombosis, dissection, or perforation; emboli; acute occlusion; ischemia; intracranial hemorrhage; false aneurysm formation; neurological deficits including stroke; and death.

COMPATIBILITY

Retrievers are compatible with Trevo® Microcatheters (REF 90238). Compatibility of the Retriever with other microcatheters has not been established. Performance of the Retriever device may be impacted if a different microcatheter is used.

The Merci® Balloon Guide Catheters are recommended for use during thrombus removal procedures.

Retrievers are compatible with the Abbott Vascular DOC® Guide Wire Extension (REF 22260).

WARNINGS

- Contents supplied STERILE, using an ethylene oxide (EO) process. Nonpyrogenic.
- To reduce risk of vessel damage, adhere to the following recommendations:
  - Take care to appropriately size Retriever to vessel diameter at intended site of deployment.
  - Do not perform more than six (6) retrieval attempts in same vessel using Retriever devices.
  - Maintain Retriever position in vessel when removing or exchanging Microcatheter.
- To reduce risk of kinking/fracture, adhere to the following recommendations:
  - Immediately after unsheathing Retriever, position Microcatheter tip marker just proximal to shaped section. Maintain Microcatheter tip marker just proximal to shaped section of Retriever during manipulation and withdrawal.
  - Do not rotate or torque Retriever.
  - Use caution when passing Retriever through stented arteries.
- Do not resterilize and reuse. Structural integrity and/or function may be impaired by reuse or cleaning.
- The Retriever is a delicate instrument and should be handled carefully. Before use and when possible during procedure, inspect device carefully for damage. Do not use a device that shows signs of damage. Damage may prevent device from functioning and may cause complications.
- Do not advance or withdraw Retriever against resistance or significant vasospasm. Moving or torquing device against resistance or significant vasospasm may result in damage to vessel or device. Assess cause of resistance using fluoroscopy and if needed resheath the device to withdraw.
- If Retriever is difficult to withdraw from the vessel, do not torque Retriever. Advance Microcatheter distally, gently pull Retriever back into Microcatheter, and remove Retriever and Microcatheter as a unit. If undue resistance is met when withdrawing the Retriever into the Microcatheter, consider extending the Retriever using the Abbott Vascular DOC guidewire extension (REF 22260) so that the Microcatheter can be exchanged for a larger diameter catheter such as a DAC® catheter. Gently withdraw the Retriever into the larger diameter catheter.
- Administer anti-coagulation and anti-platelet medications per standard institutional guidelines.

PRECAUTIONS

- Prescription only – device restricted to use by or on order of a physician.
- Store in cool, dry, dark place.
- Do not use open or damaged packages.
- Use by "Use By" date.
- Exposure to temperatures above 54°C (130°F) may damage device and accessories. Do not autoclave.
- Do not expose Retriever to solvents.
- Use Retriever in conjunction with fluoroscopic visualization and proper anti-coagulation agents.
- To prevent thrombus formation and contrast media crystal formation, maintain a constant infusion of appropriate flush solution between guide catheter and Microcatheter and between Microcatheter and Retriever or guidewire.
- Do not attach a torque device to the shaped proximal end of DOC® Compatible Retriever. Damage may occur, preventing ability to attach DOC® Guide Wire Extension.

Microcatheter

See package insert for complete indications, contraindications, warnings and instructions for use.

INDICATIONS FOR USE

The Microcatheter is indicated for use in the selective placement of fluids and/or other devices or agents into the peripheral, coronary, and neuro vasculature during diagnostic and/or therapeutic procedures.

COMPLICATIONS

Procedures requiring percutaneous catheter introduction should not be attempted by physicians unfamiliar with the possible complications. Possible complications include, but are not limited to the following: hematoma at the puncture site; vessel perforation; emboli; hemorrhage; ischemia; vasospasm; neurological deficits including stroke; death.

COMPATIBILITY

Refer to product label for device dimensions. Refer to labeling provided with other medical technologies to determine compatibility.

WARNINGS

- Do not reuse. Discard after one procedure. Structural integrity and/or function may be impaired through reuse or cleaning.
- Never advance catheter against resistance without careful assessment of cause using fluoroscopy. If cause cannot be determined, withdraw catheter. Movement against resistance may result in damage to vessel or catheter.
- Do not use device that has been damaged in any way. Damaged device may cause complications.
- Do not exceed maximum recommended infusion pressure. Excess pressure may result in catheter rupture or tip severance.

Catheter	Maximum Infusion Pressure
MC 14 (REF 90043) MC 18 (REF 90044) Trevo 18 MC (REF 90047)	2070 kPa (300 psi)
Trevo Pro 18 MC (REF 90238)	1034 kPa (150 psi)

- If flow through catheter becomes restricted, do not attempt to clear catheter lumen by infusion. Doing so may cause catheter to rupture, resulting in vessel trauma. Remove and replace catheter.

PRECAUTIONS

- Store in cool, dry, dark place.
- Do not use open or damaged packages.
- Use by "Use By" date.
- Exposure to temperatures above 54°C (130°F) may damage device and accessories. Do not autoclave.
- Upon removal from package, inspect device to ensure it is not damaged.
- Do not expose device to solvents.
- Use device with fluoroscopic visualization and proper anti-coagulation agents.
- Hydrate microcatheter with saline for 2 minutes minimum before use. Once hydrated, do not allow it to dry.
- To maintain hydrophilic coating lubricity, provide continuous flow of appropriate solution between microcatheter and guide catheter.
- Hemostatic side-arm adapters may be used to provide seal around guidewire and microcatheter.

Concentric Medical
301 East Evelyn Avenue
Mountain View, CA 94041

Stryker Neurovascular
47900 Bayside Parkway
Fremont, CA 94538

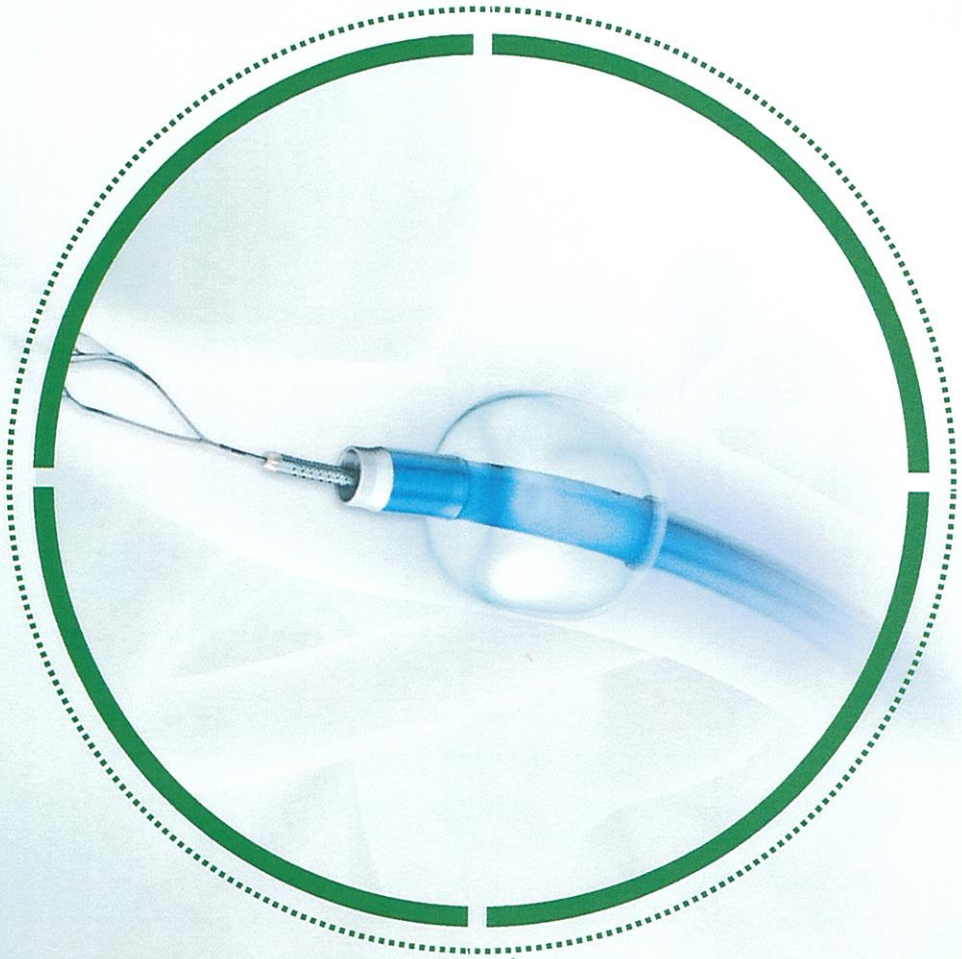
strykerneurovascular.com

90814275.AB

Date of Release: MAR/2016

EX_EN_GL

stryker®
Neurovascular



FlowGate™

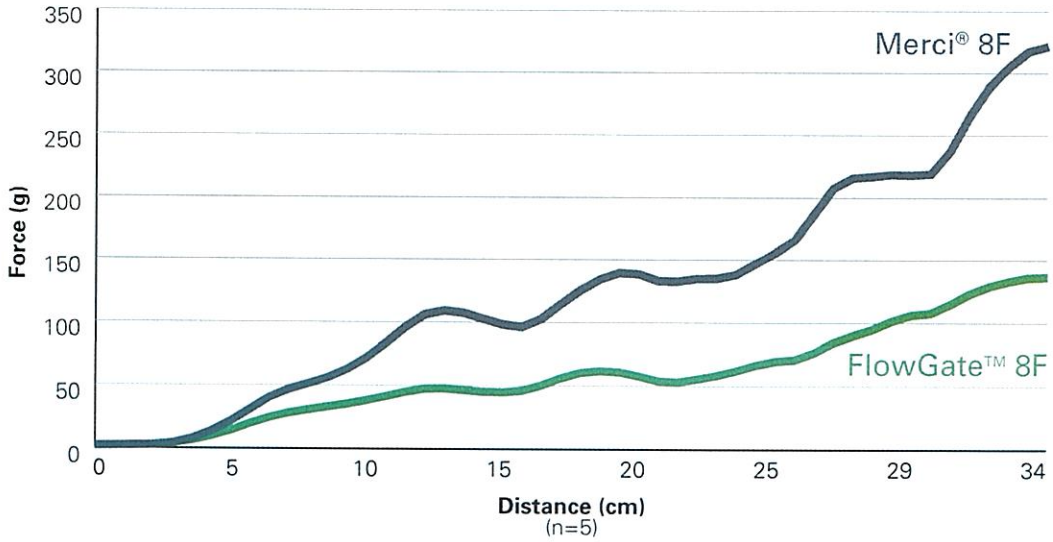
BALLOON GUIDE CATHETER

Take Control. Capture More.

Take Control. Capture More.

Easy Access

Trackability



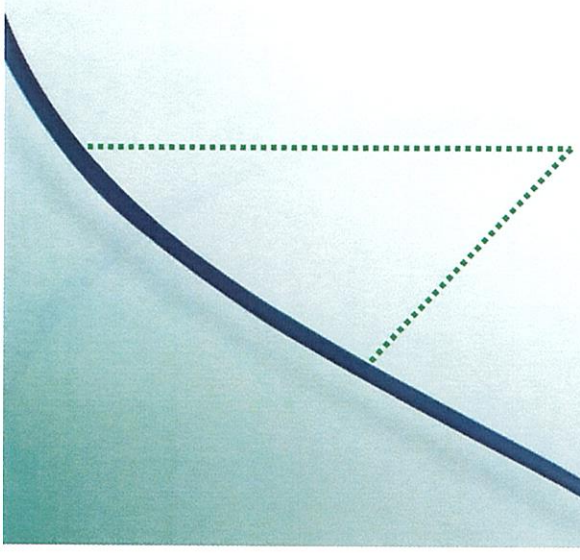
2x

More Flexible

Improves distal access in tortuous anatomy

Soft, Compliant Balloon

Engineered to conform to the vessel wall for proximal flow control



1.5x

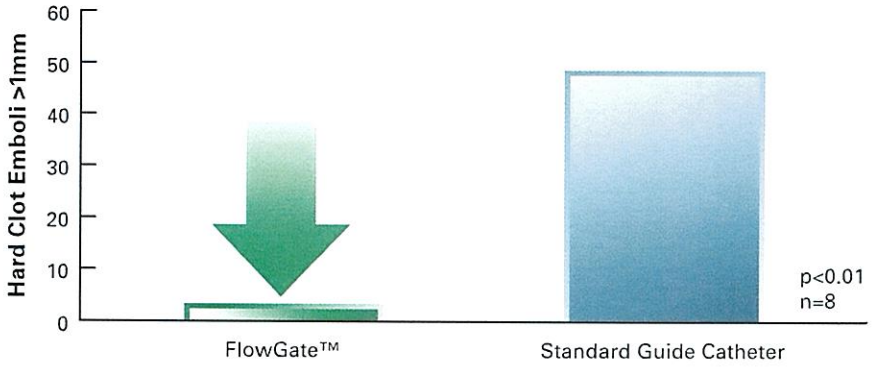
More Stable

Greater support for advancement and retrieval

Bench test results may not necessarily be indicative of clinical performance. Testing completed by Stryker Neurovascular. Data on file and available upon request.

Control Flow for Better Outcomes.

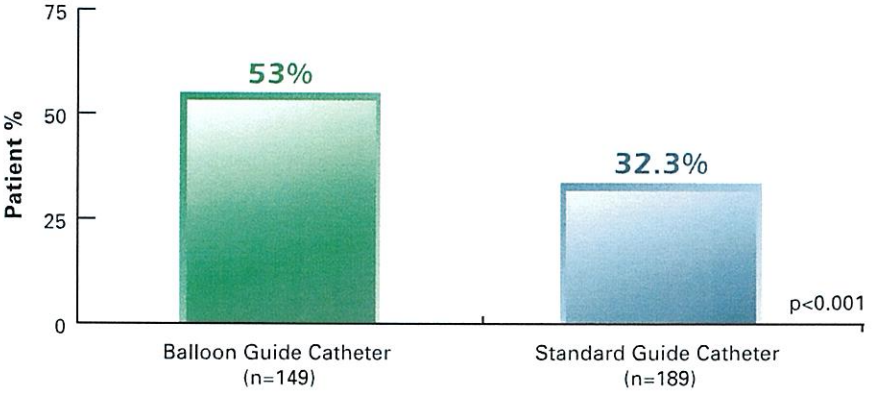
Distal Emboli[1]



18x
Fewer Hard Clot Distal Emboli

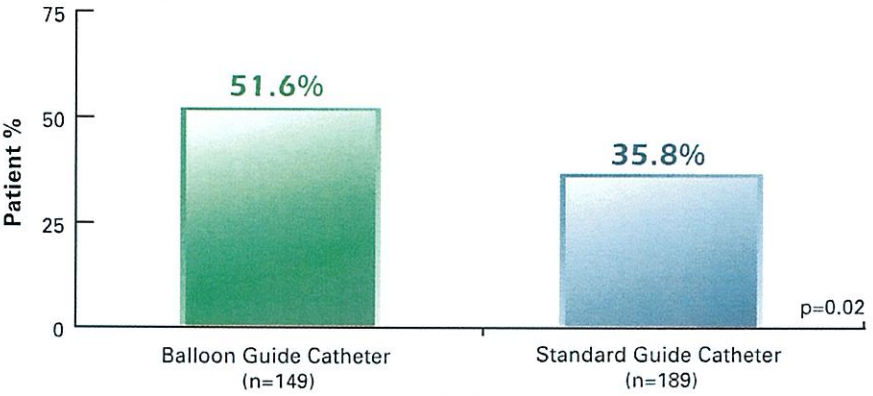
1. Chueh et al., "Reduction in Distal Emboli With Proximal Flow Control During Mechanical Thrombectomy: A Quantitative In Vitro Study," *Stroke*, 2013 (44), 1396-1401.

Better TICI 3 Revascularization[2]



21%
Improvement
in procedural success

Independent Predictor of Good Clinical Outcomes[2]



16%
Improvement
in 90-day good outcomes (mRS 0-2)

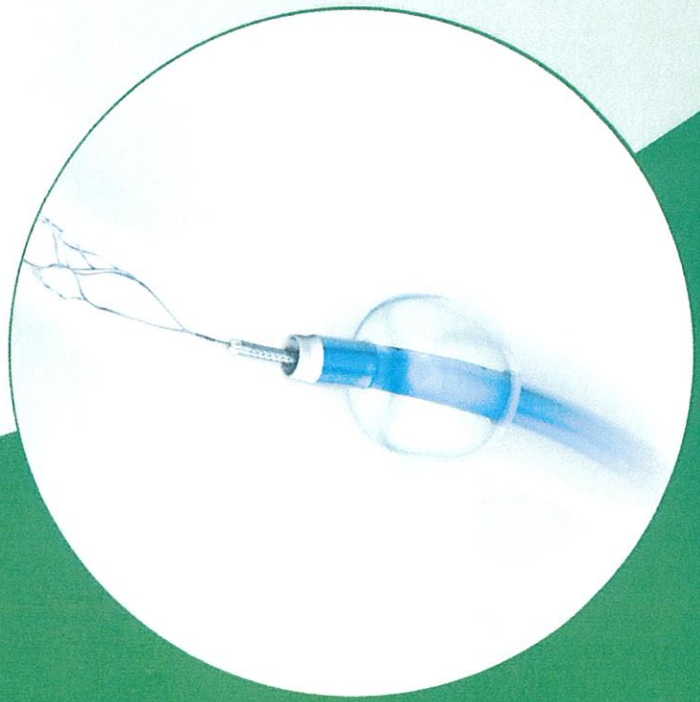
2. Balloon guide catheter improves recanalization, procedure time, and clinical outcomes with Solitaire in acute stroke: analysis of the NASA Registry. T Nguyen et al. *J Neurointervent Surg* 2013(5) A2-A3 2013.

stryker Neurovascular

Purposeful innovation in mind.

FlowGate²™ Balloon Guide Catheter

In-Service Presentation



FlowGate²™
BALLOON GUIDE CATHETER

59

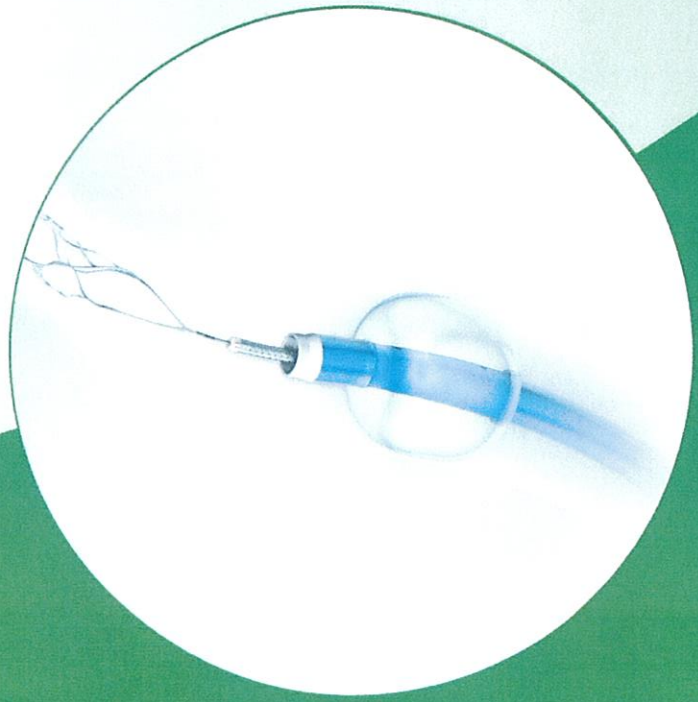
55

stryker Neurovascular

Purposeful innovation in mind.

FlowGate² Balloon Guide Catheter Messaging

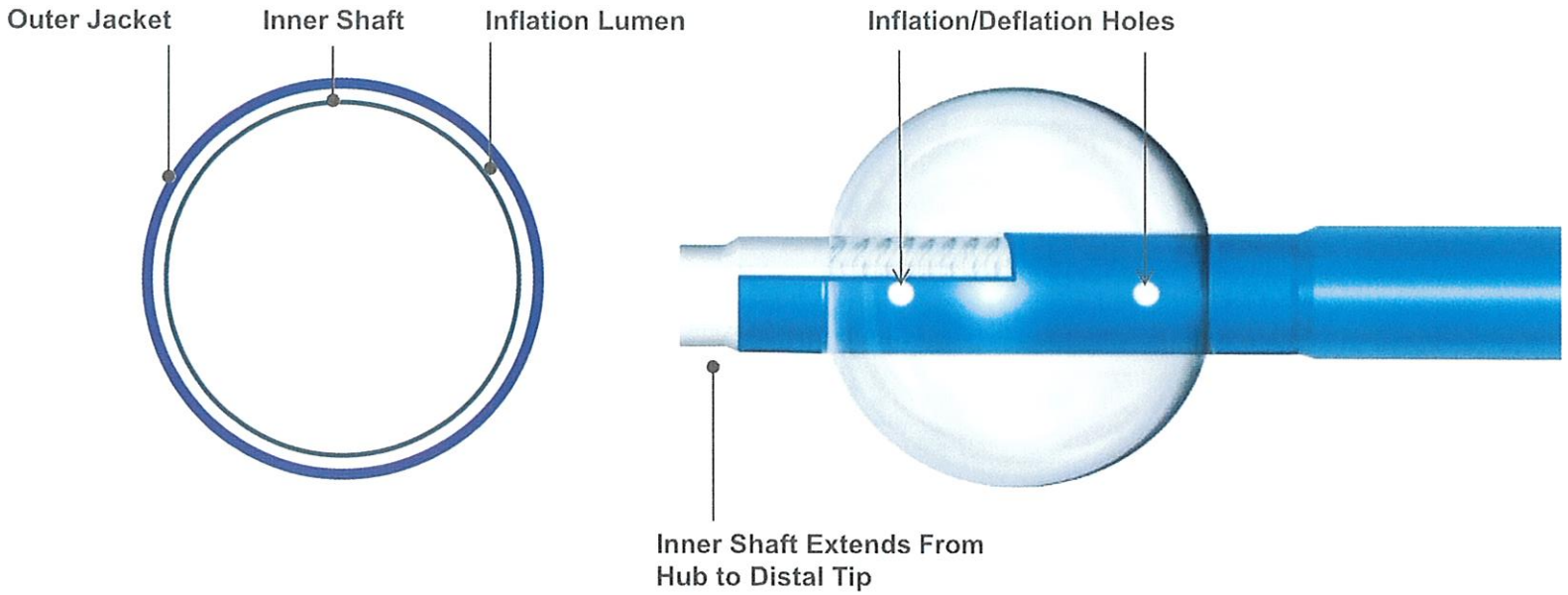
- Balloon guide catheters, like FlowGate², are designed to optimize first pass efficacy
- Large 0.084in lumen for maximal clot capture
- Rapid access with a balance of proximal support and distal flexibility
- Optimized stability around the arch and at the tip



FlowGate²™
BALLOON GUIDE CATHETER

Lumen & balloon design

Coaxial Lumen
Fast Inflation/Deflation



Shaft design

Stainless steel double braid throughout

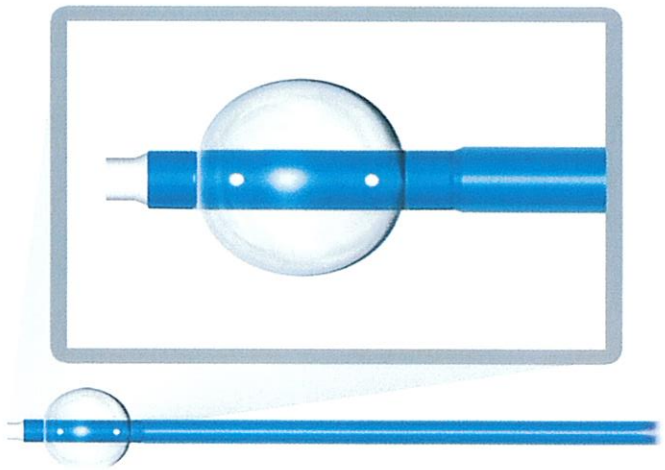
- Provides stability and pushability

5 transition zones

- Smooth transition from proximal support to distal flexibility

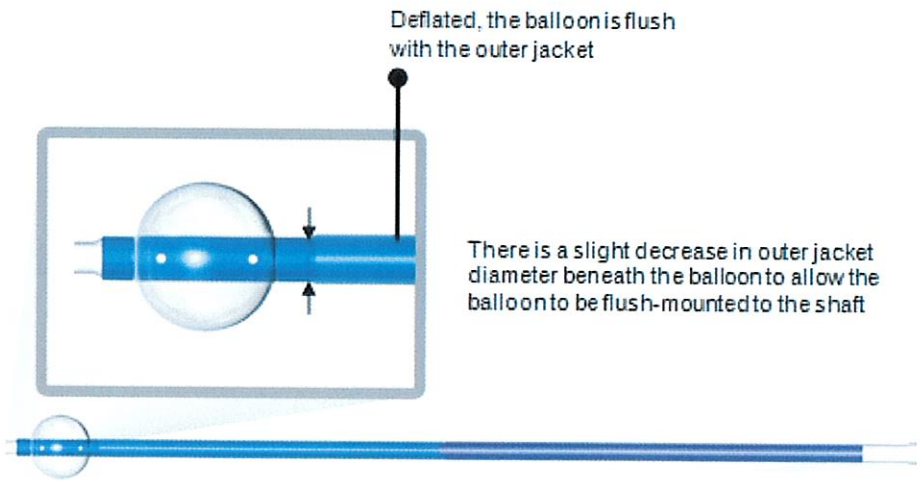
Outer jacket design & construction

- Bonds to the hub and inner shaft to create a co-axial lumen
- Slight decrease in OD beneath the balloon allows the balloon to be flush mounted
- Holes in outer jacket allow inflation media to pass to inflate and deflate the balloon



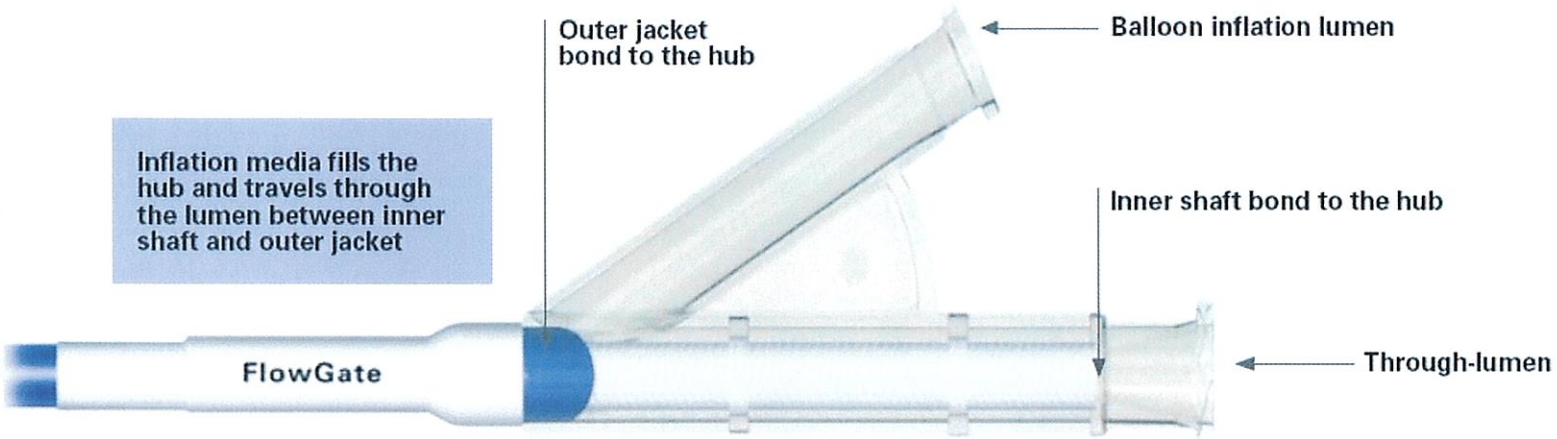
Balloon design & construction

- Compliant 10mm diameter and length balloon at maximum infusion volume – designed to conform to the vessel wall
- Gas-permeable – air bubbles will diffuse out of the balloon on their own during prep
- Provides proximal flow control

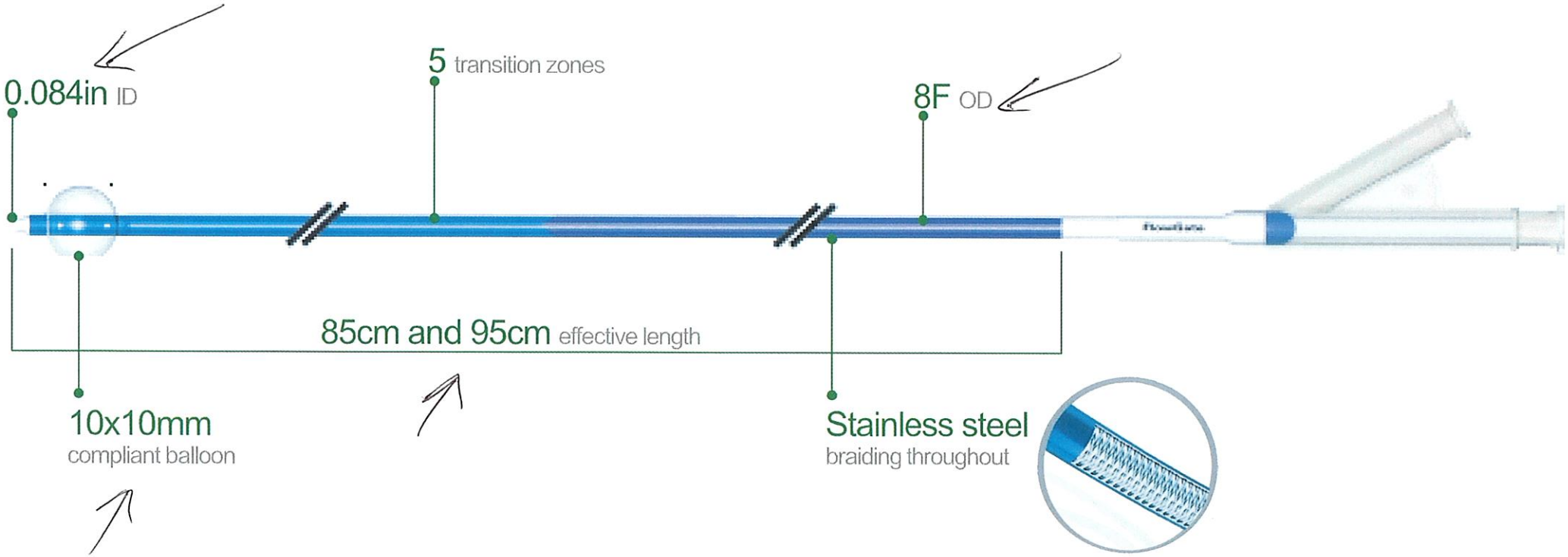


Hub design & construction

- Two lumens:
  - Through lumen
  - Balloon inflation lumen

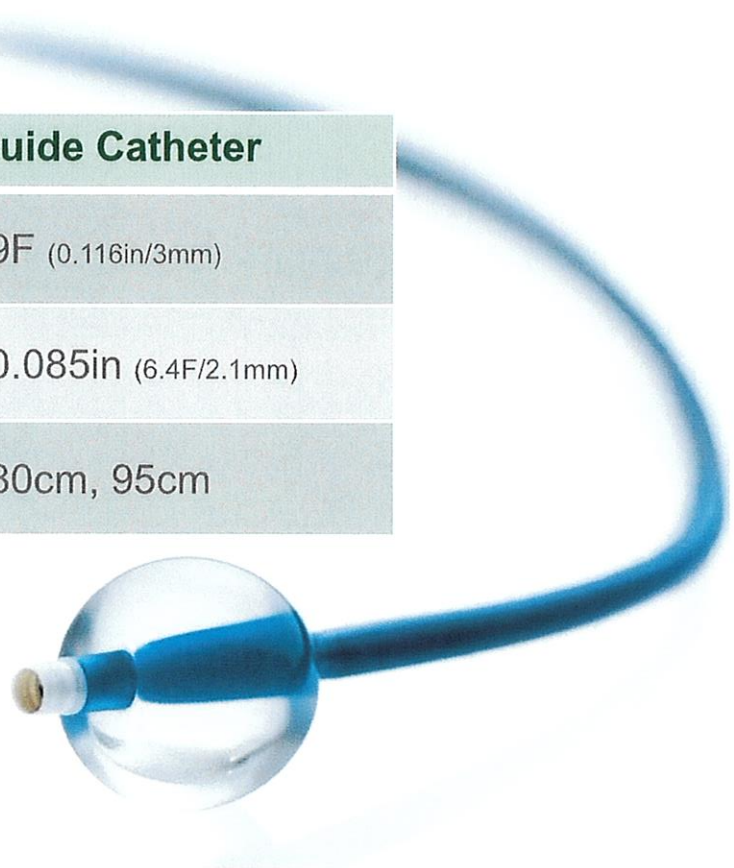


FlowGate²™ Balloon Guide Catheter design features

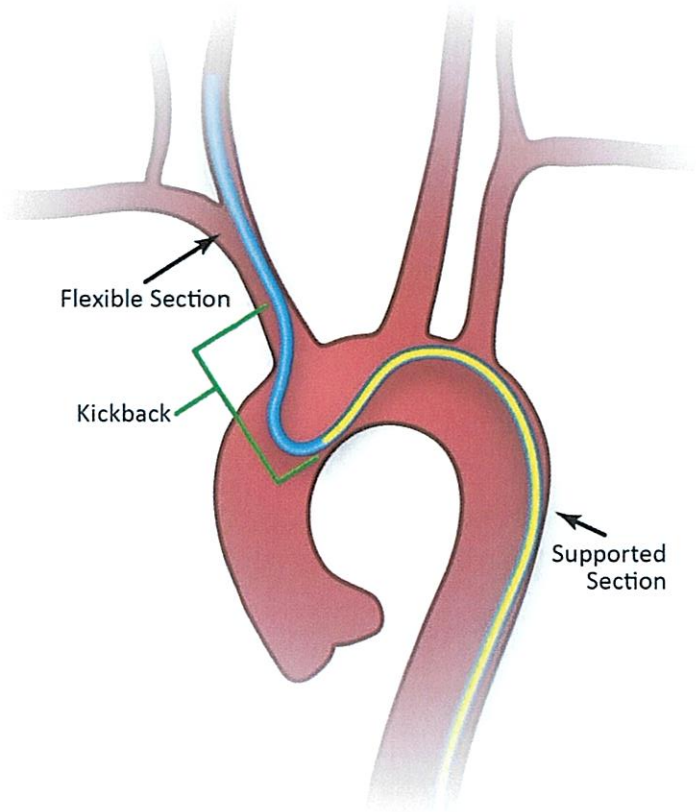


FlowGate²™ & Merci® Balloon Guide Catheters specs

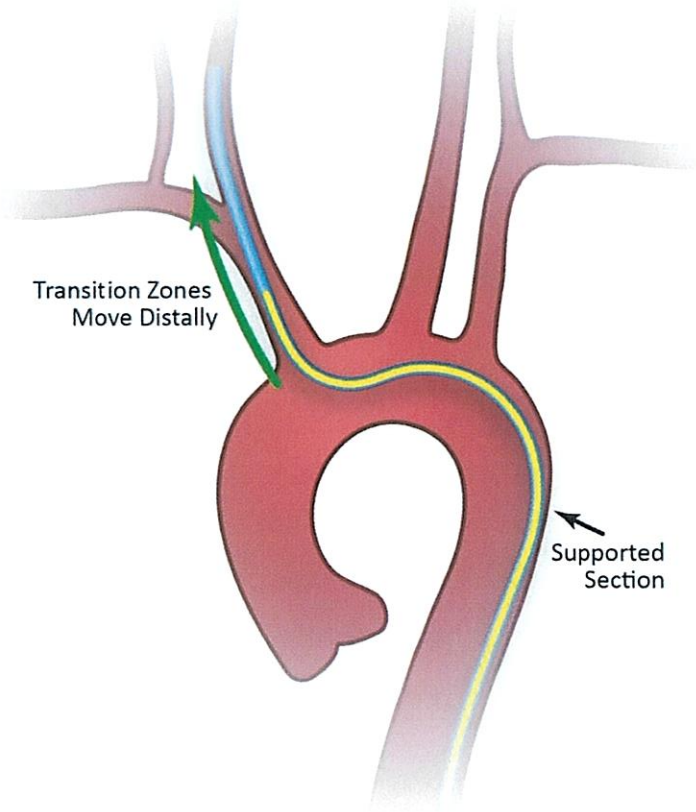
Spec	FlowGate²	Merci® Balloon Guide Catheter	
OD	8F (0.106in/2.7mm)	8F (0.104in/2.6mm)	9F (0.116in/3mm)
ID	0.084in (6.4F/2.1mm)	0.078in (5.9F/1.9mm)	0.085in (6.4F/2.1mm)
Length	85cm, 95cm	80cm, 95cm	80cm, 95cm



Optimized stability



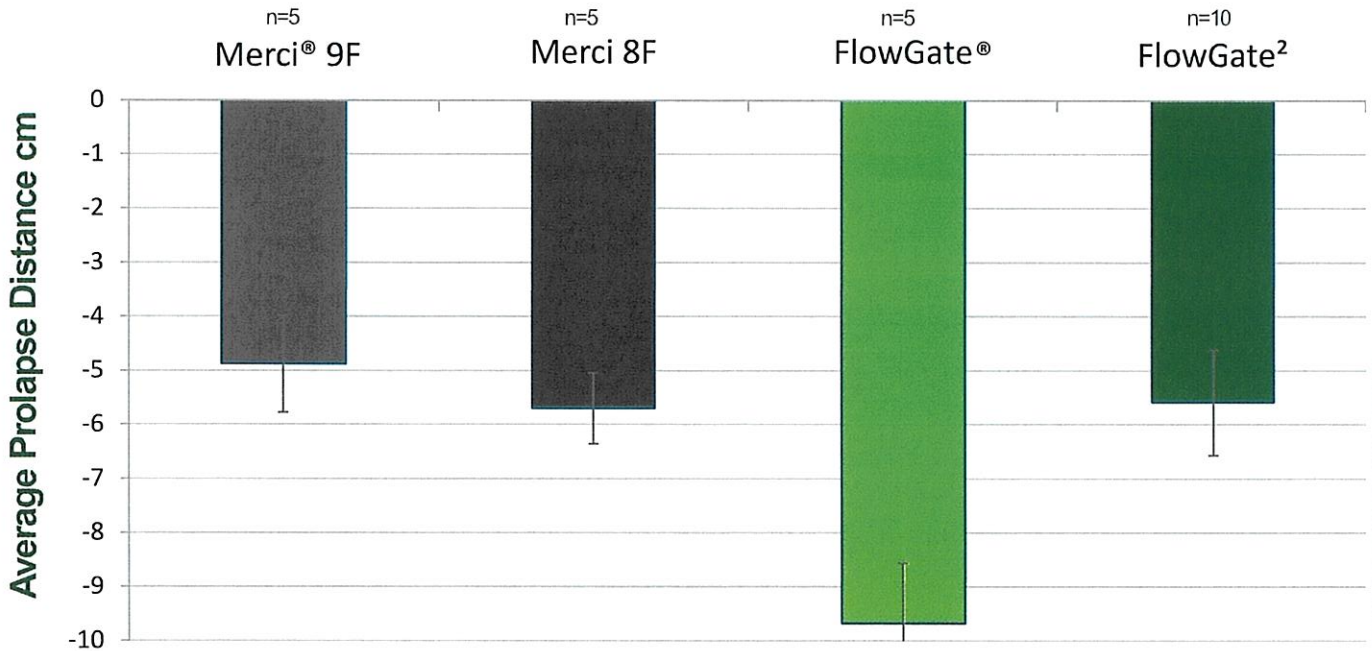
FlowGate®

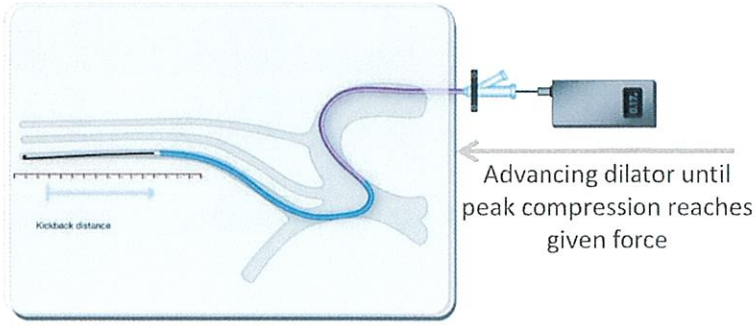


FlowGate²

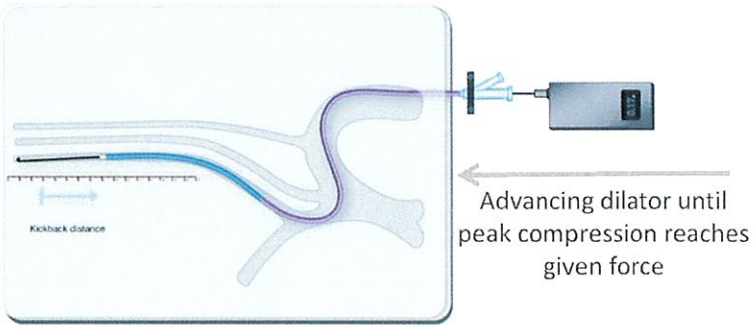
Optimized stability around the arch

Prolapse/stability feedback addressed!





FlowGate®

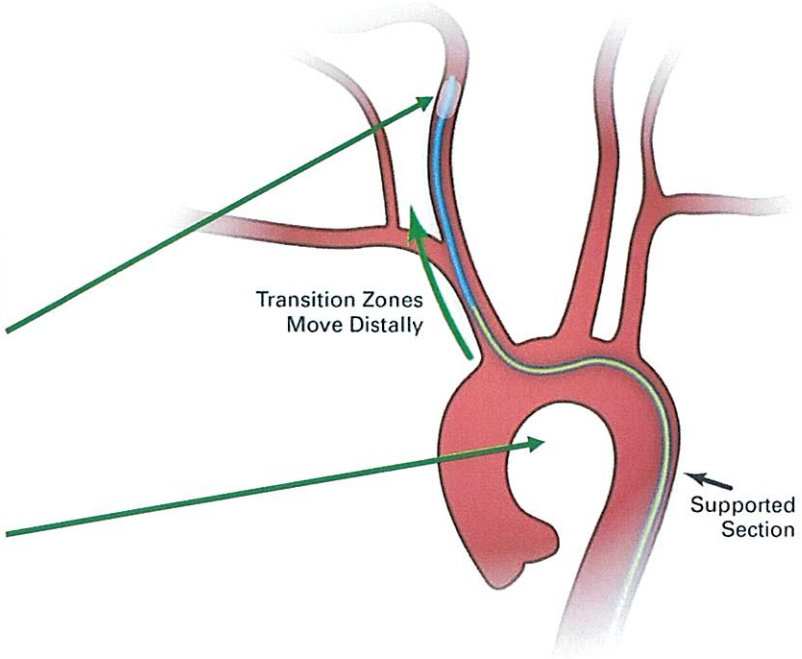


FlowGate²™

Bench test results may not necessarily be indicative of clinical performance
Testing performed by Stryker Neurovascular. Data are on file at Stryker Neurovascular and will be made available upon request.

Optimized stability around the arch and at the tip

- Balloon apposition against the vessel wall stabilizes the catheter during retraction of a thrombectomy device
- Longer support section stabilizing the catheter around the arch



* Compared to FlowGate™. Bench test results may not necessarily be indicative of clinical performance. Testing performed by Stryker Neurovascular. Data available upon request. Illustrations by Stryker Neurovascular.

FlowGate²™ Balloon Guide Catheter improved accessories

Luer-Activated Flow Valve

Maintain balloon inflation and simplifies BGC prep.

High Pressure Extension Tubing

For manual aspiration through the base catheter with a 60mL syringe (60mL syringe not included)

Peel-away Sheath (x2)

Designed to protect the balloon and the distal tip of the balloon guide catheter during insertion.

RHV

Attaches to the balloon guide catheter through-lumen; can be used interchangeably (with Tuohy Borst) to accommodate catheter working length *compatibility*.

Guide-Assist Catheter

Improved

New, shorter, stiffer Berenstein tip – facilitates vessel selection and delivery of balloon guide catheter

Tuohy Borst Valve with Sideport

Improved

Can be used to create more working length. Offers a complete seal, even without additional device inserted.

Trevo NXT™
ProVue Retriever

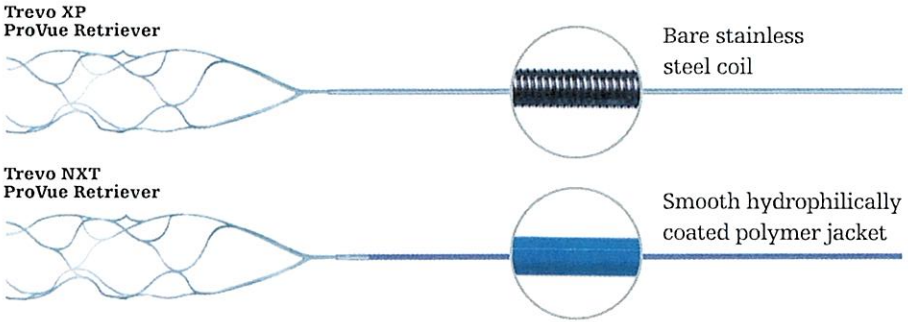
stryker

Feel the difference **with smooth retrieval**

The combination approach of stent retrievers with aspiration has become one of the most preferred approaches for thrombectomy. That's why we're introducing the Trevo NXT ProVue Retriever as part of a solution optimized for this technique. We've kept the same highly effective Trevo Retriever stent design while introducing a new TriGlide Delivery Wire, for smoother and easier delivery and retraction into the aspiration catheter.

65% less retraction force

into an intermediate catheter due to the **new** TriGlide Delivery Wire.



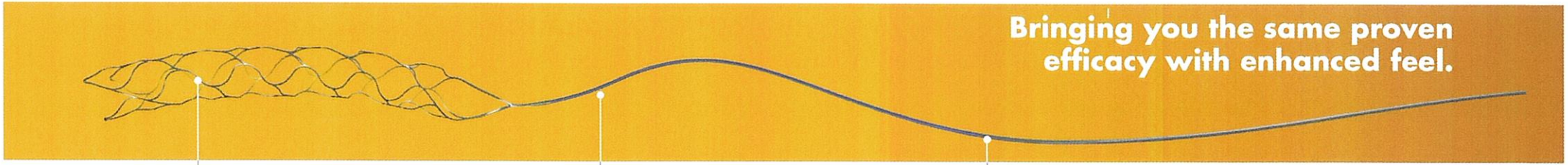
4 new sizes

3x25mm 4x21mm 4x35mm 6x30mm

1 compatible microcatheter

Trevo Trak 21 Microcatheter

Photographs by Stryker. Images are not to scale.



Same proven stent design
Large cells, tailored radial force, tubular design, for consistent integration

New TriGlide Delivery Wire
Nitinol core wire with hydrophilically coated polymer jacket reduces friction

New longer 200cm nitinol delivery wire
for compatibility with tri-axial setups

Trevo NXT ProVue Retriever

UPN	Description
90412	Trevo NXT ProVue Retriever 3x25 (OUS)
90413	Trevo NXT ProVue Retriever 4x21 (OUS)
90414	Trevo NXT ProVue Retriever 4x35 (OUS)
90415	Trevo NXT ProVue Retriever 6x30 (OUS)

Stroke Fast Pack 2-Pack Kits

UPN	Description
91412	Trevo NXT ProVue Retriever 3x25 + Trevo Trak 21 Microcatheter (OUS)
91413	Trevo NXT ProVue Retriever 4x21 + Trevo Trak 21 Microcatheter (OUS)
91414	Trevo NXT ProVue Retriever 4x35 + Trevo Trak 21 Microcatheter (OUS)
91415	Trevo NXT ProVue Retriever 6x30 + Trevo Trak 21 Microcatheter (OUS)
91416	Trevo NXT ProVue Retriever 3x25 + Trevo Pro 14 Microcatheter (OUS)

Stroke Fast Pack 3-Pack Kits

UPN	Description
SFP914100	Trevo NXT ProVue Retriever 3x25 + Trevo Trak 21 Microcatheter (OUS) + AXS Catalyst 5 Distal Access Catheter
SFP914120	Trevo NXT ProVue Retriever 3x25 + Trevo Trak 21 Microcatheter (OUS) + AXS Catalyst 7 Distal Access Catheter
SFP914130	Trevo NXT ProVue Retriever 4x21 + Trevo Trak 21 Microcatheter (OUS) + AXS Catalyst 7 Distal Access Catheter
SFP914140	Trevo NXT ProVue Retriever 4x35 + Trevo Trak 21 Microcatheter (OUS) + AXS Catalyst 7 Distal Access Catheter
SFP914150	Trevo NXT ProVue Retriever 6x30 + Trevo Trak 21 Microcatheter (OUS) + AXS Catalyst 7 Distal Access Catheter
SFP914160	Trevo NXT ProVue Retriever 3x25 + Trevo Trak 21 Microcatheter (OUS) + AXS Catalyst 6 Distal Access Catheter
SFP914170	Trevo NXT ProVue Retriever 4x21 + Trevo Trak 21 Microcatheter (OUS) + AXS Catalyst 6 Distal Access Catheter
SFP914180	Trevo NXT ProVue Retriever 4x35 + Trevo Trak 21 Microcatheter (OUS) + AXS Catalyst 6 Distal Access Catheter
SFP914190	Trevo NXT ProVue Retriever 6x30 + Trevo Trak 21 Microcatheter (OUS) + AXS Catalyst 6 Distal Access Catheter

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Stryker Neurovascular
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strykerneurovascular.com

Date of Release: AUG/2020

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Trevo Trak™ 21
Microcatheter

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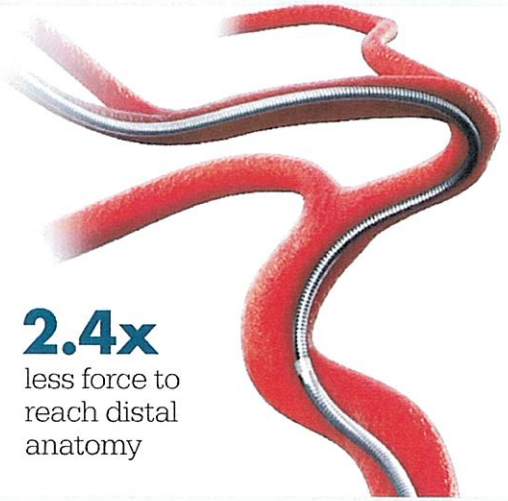
Making a difference **by going distal with ease**

You want a microcatheter that can reliably get you to the clot and helps simplify the procedure. That's why we're introducing the Trevo Trak 21 Microcatheter. It's designed to reliably reach distal neurovasculature with its extra-long 162cm length, while providing support for intermediate catheters. This .021in ID microcatheter is compatible with all Trevo NXT retriever sizes while maintaining a low clot crossing profile.

Highly trackable,
162cm microcatheter

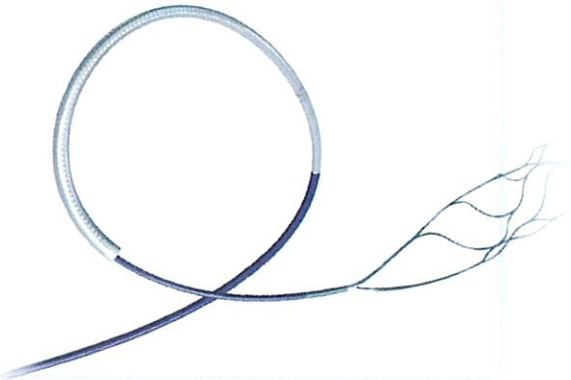
Hybrid design enables **distal trackability** while maintaining **proximal support** similar to .027 microcatheters



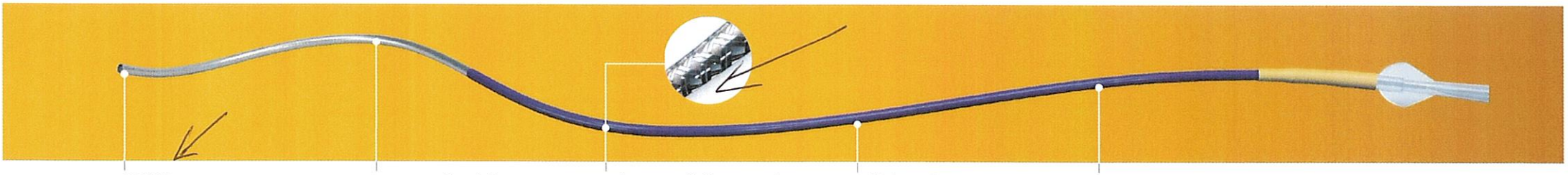
2.4x
less force to reach distal anatomy

Deliver all four sizes of the Trevo NXT ProVue Retriever

4 through 1
Trevo Trak 21 Microcatheter



Photographs by Stryker. Images are not to scale.



.021 ID
2.4F / 0.031in Distal OD
2.7F/ 0.035in Proximal OD
162cm length

15.5cm Distal flex zone
highly trackable to take on tortuosity

Robust stainless steel double braid
reinforcement for stretch resistant stent retriever delivery

Full-length PTFE liner
Smooth delivery of all Trevo NXT retriever sizes

Proximal support segment
provides a supportive rail for tracking up intermediate catheters

Trevo Trak 21 Microcatheter

UPN	Description
90338	Trevo Trak 21 Microcatheter

Stroke Fast Pack 2-Pack Kits

UPN	Description
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91413	Trevo NXT ProVue Retriever 4x21 + Trevo Trak 21 Microcatheter (OUS)
91414	Trevo NXT ProVue Retriever 4x35 + Trevo Trak 21 Microcatheter (OUS)
91415	Trevo NXT ProVue Retriever 6x30 + Trevo Trak 21 Microcatheter (OUS)
91416	Trevo NXT ProVue Retriever 3x25 + Trevo Pro 14 Microcatheter (OUS)

Stroke Fast Pack 3-Pack Kits

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SFP914150	Trevo NXT ProVue Retriever 6x30 + Trevo Trak 21 Microcatheter (OUS) + AXS Catalyst 7 Distal Access Catheter
SFP914160	Trevo NXT ProVue Retriever 3x25 + Trevo Trak 21 Microcatheter (OUS) + AXS Catalyst 6 Distal Access Catheter
SFP914170	Trevo NXT ProVue Retriever 4x21 + Trevo Trak 21 Microcatheter (OUS) + AXS Catalyst 6 Distal Access Catheter
SFP914180	Trevo NXT ProVue Retriever 4x35 + Trevo Trak 21 Microcatheter (OUS) + AXS Catalyst 6 Distal Access Catheter
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Date of Release: AUG/2020

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Trevo NXT™ ProVue Retriever
Trevo Trak™ 21 Microcatheter

Product introduction

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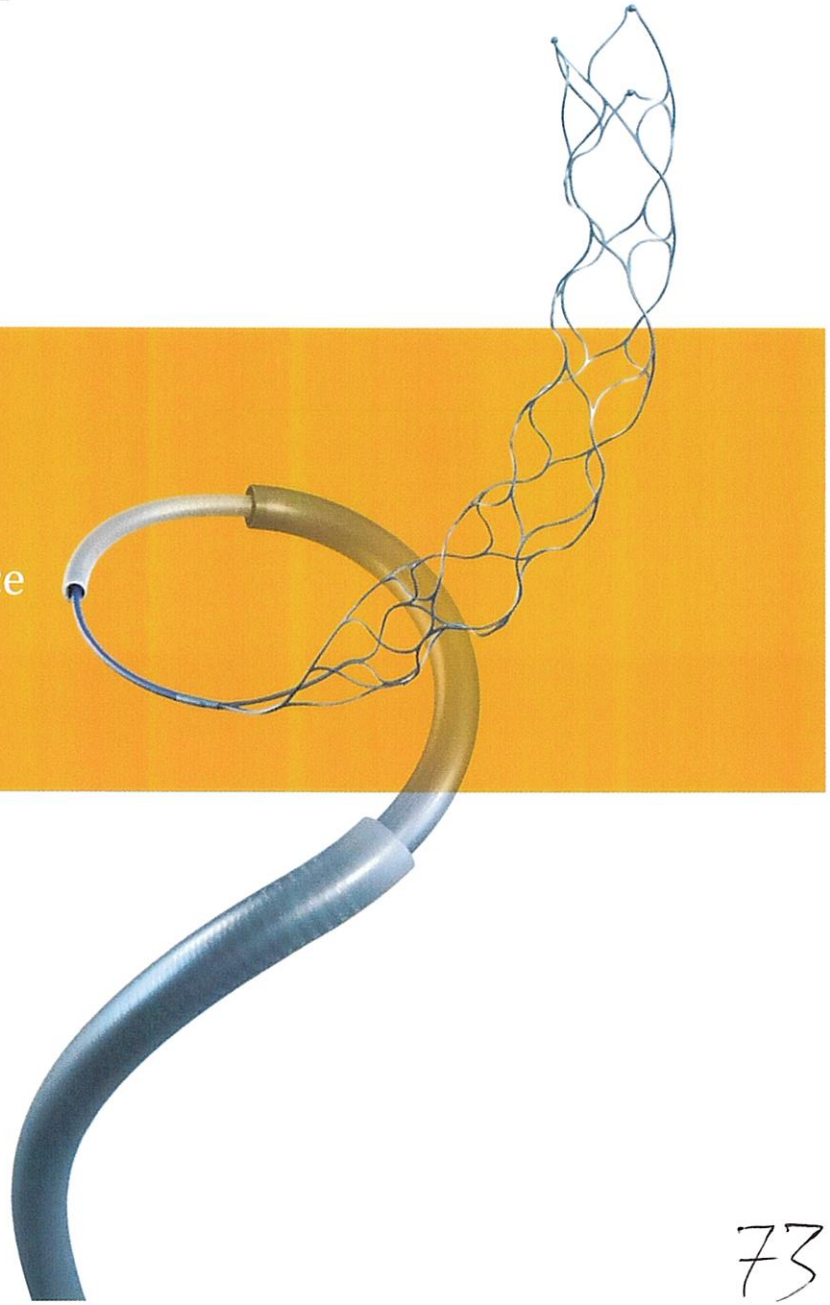
Trevo NXT™ ProVue Retriever and Trevo Trak™ 21 Microcatheter

Introduction

Designed alongside Stryker's aspiration platform to optimize combination technique performance and **empower first pass efficacy**



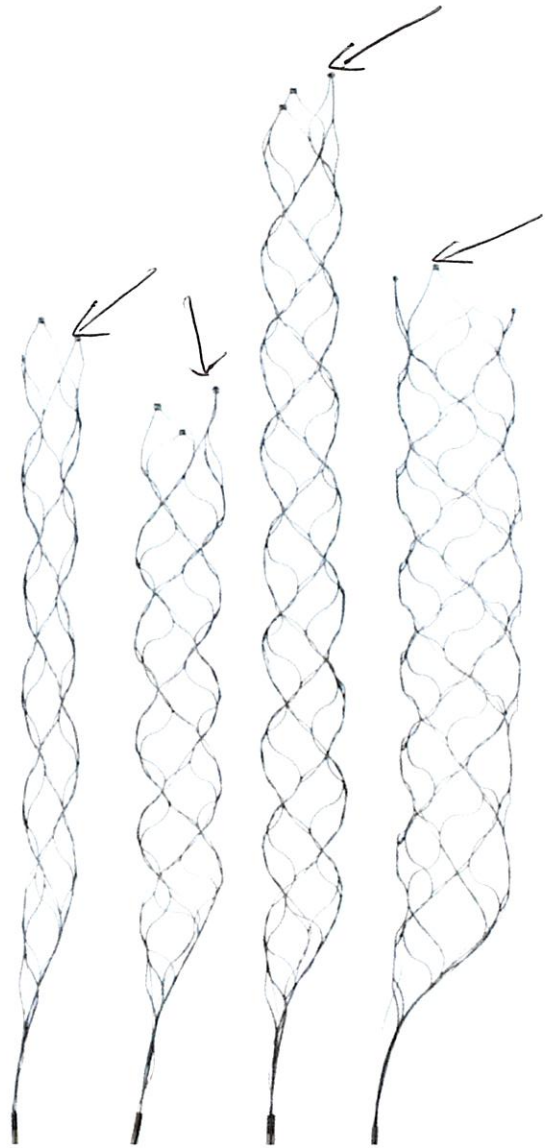
Trevo NXT™ ProVue Retriever

stryker

- Trevo NXT ProVue Retriever is designed to integrate and remove clot to reduce disability up to 24 hours

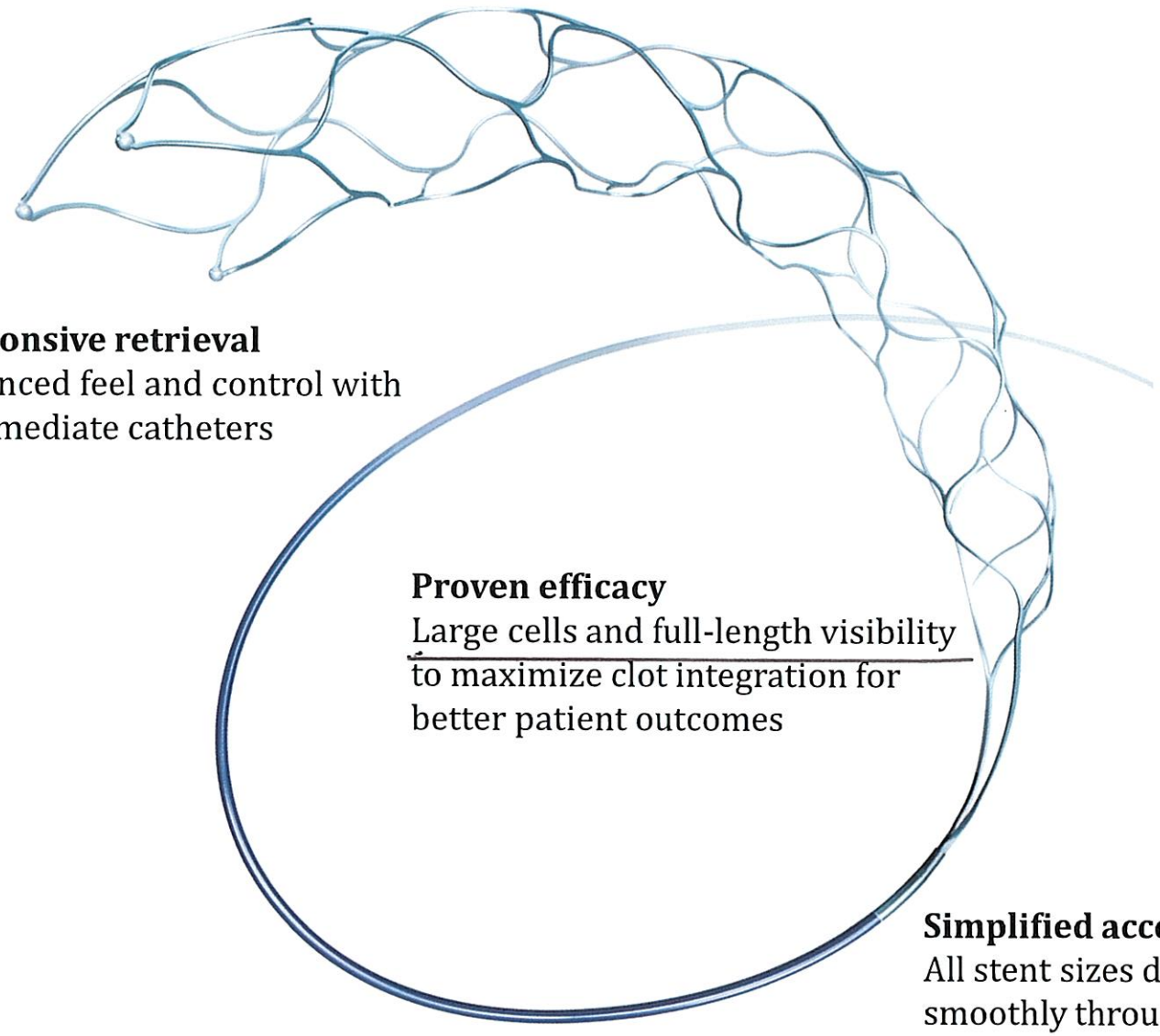
- It is provided in four sizes to meet specific anatomical and procedural needs

3x25 **4x21** **4x35** **6x30**



Trevo NXT™ ProVue Retriever

Key benefits



Responsive retrieval
Enhanced feel and control with intermediate catheters

Proven efficacy
Large cells and full-length visibility to maximize clot integration for better patient outcomes

Simplified access to the clot
All stent sizes deliver smoothly through a new 162 cm 021 microcatheter

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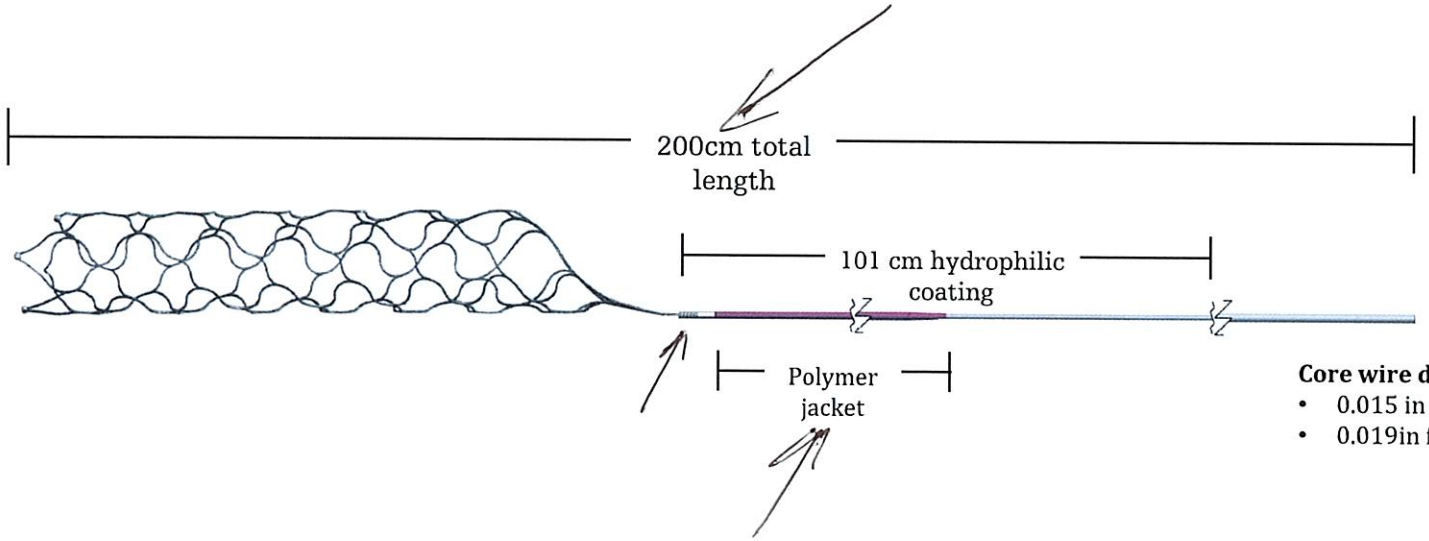
Trevo NXT™ ProVue Retriever

Design improvements over Trevo XP

Smooth delivery and responsive retrieval

TriGlide Delivery Wire

Composed of three materials: nitinol core wire, polymer jacket over the distal taper of the wire, all covered with a hydrophilic coating



Core wire diameter:
- 0.015 in for the 3mm
- 0.019in for all others

Any improvements relate to a comparison made with the previous generation device

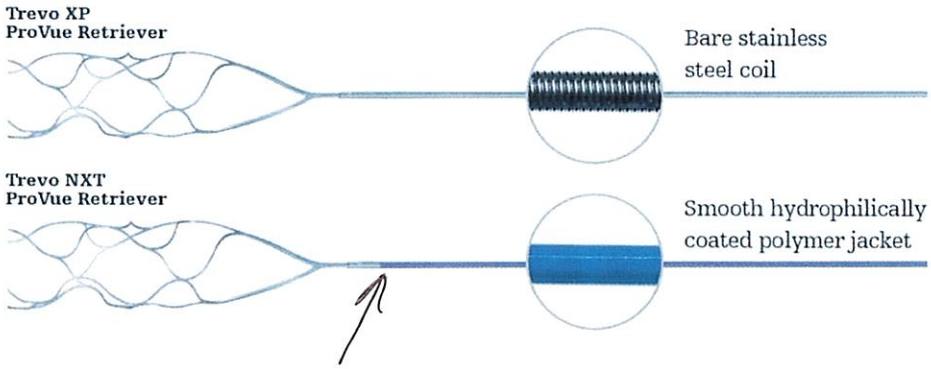
Trevo NXT™ ProVue Retriever

Simplified access to the clot

All Trevo NXT stent sizes deliver smoothly through a new 021 microcatheter

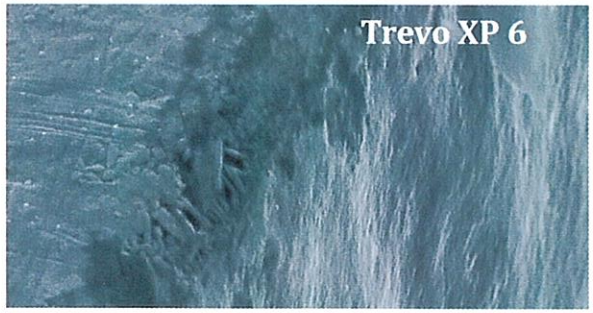
Smooth delivery

Redesigned delivery wire reduces friction between stent retrievers and microcatheter

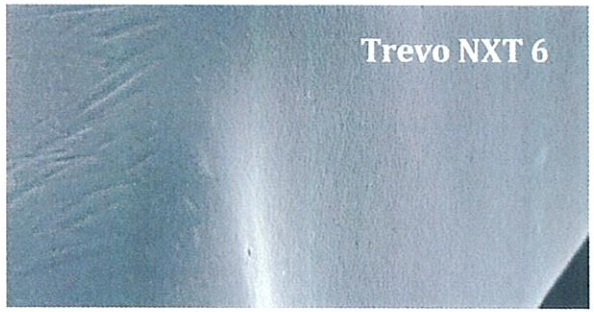


4 stents : 1 microcatheter

Advanced polishing of stents for a smoother finish



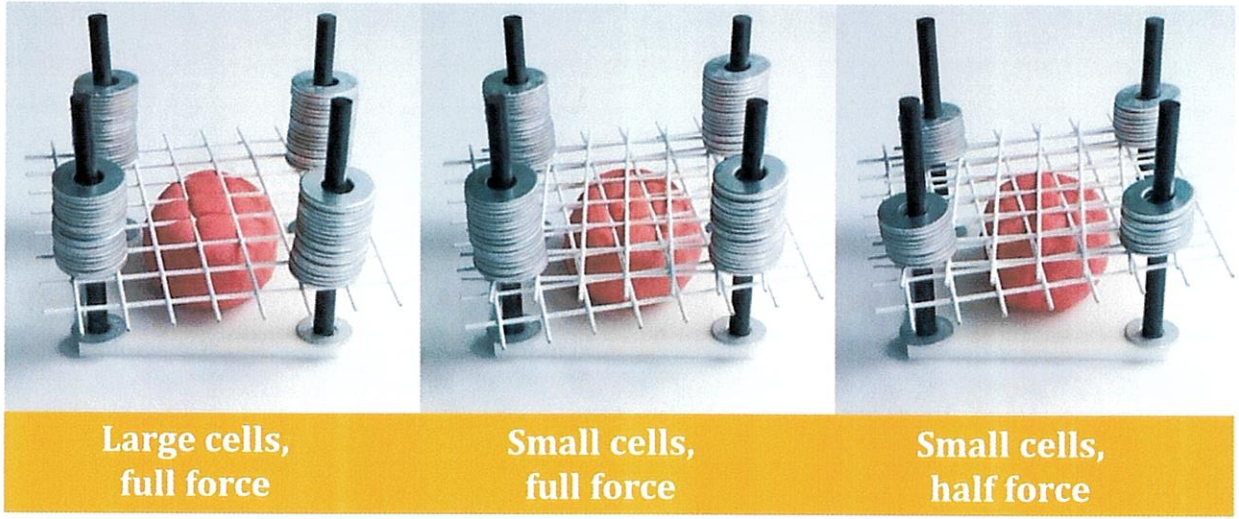
Standard – uneven finish



Advanced – smoother finish

Trevo NXT™ ProVue Retriever

Integration = Cell Size + Radial Force

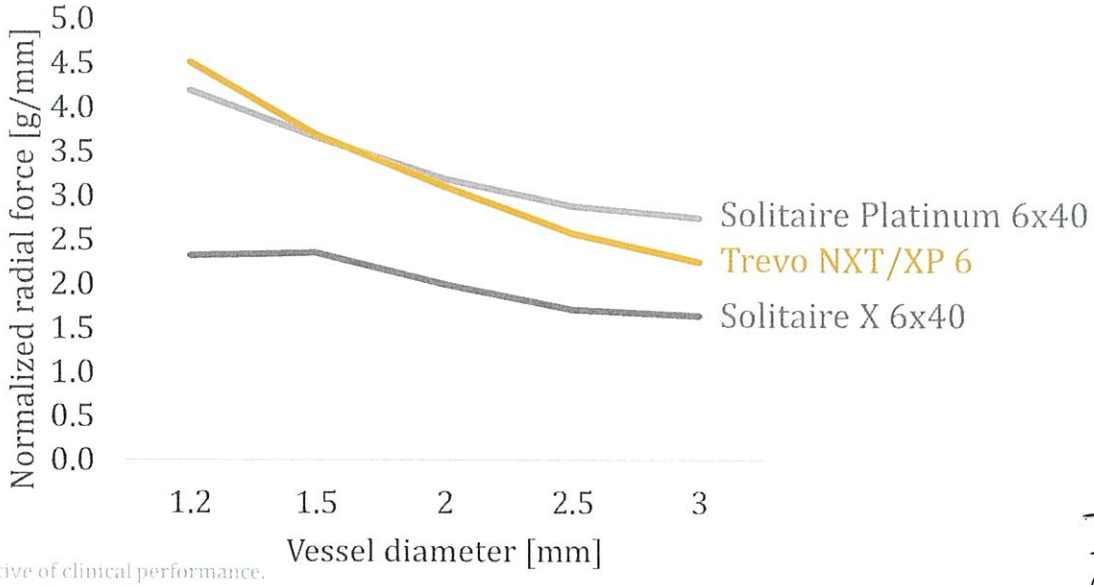


Clot integration

Large non-overlapping cells lead to greater integration compared to smaller overlapping cells when force is equivalent

Radial force

All stent sizes fit through a 021 microcatheter without compromising radial force



*Bench test results. Bench testing is not necessarily indicative of clinical performance.

Trevo Trak™ 21 Microcatheter

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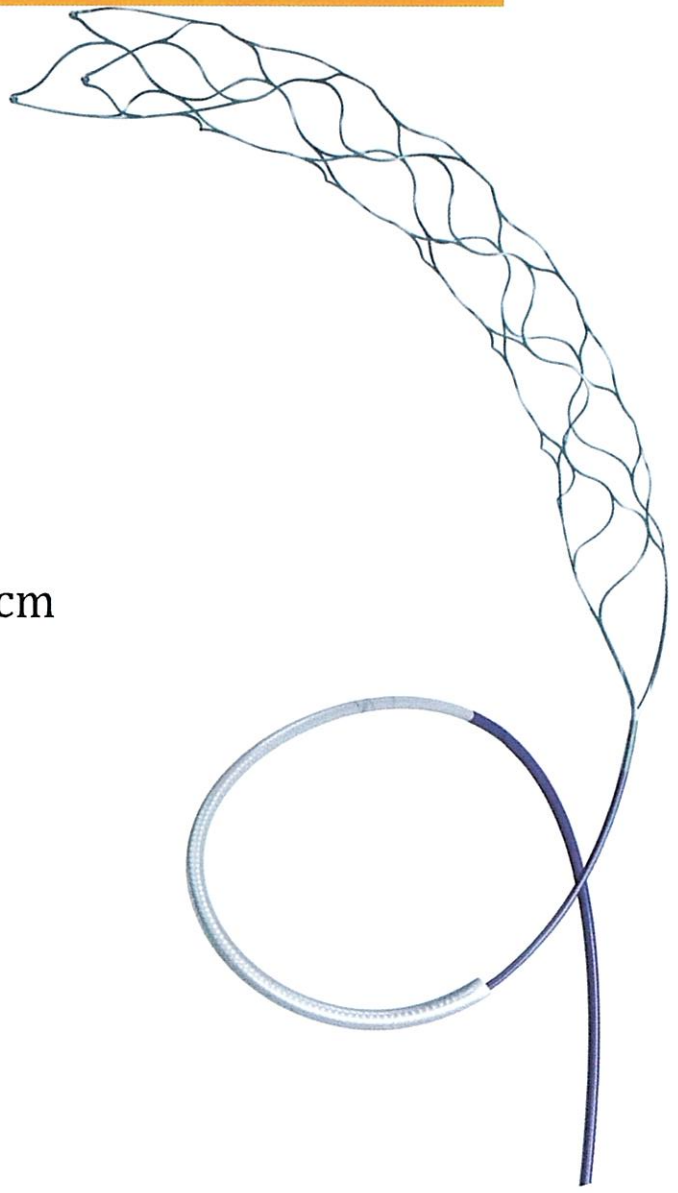
- Designed for delivery of Trevo NXT ProVue Retrievers for thrombectomy procedures
- Longer effective length of 162 cm
- Low profile design (2.4/2.7 F)

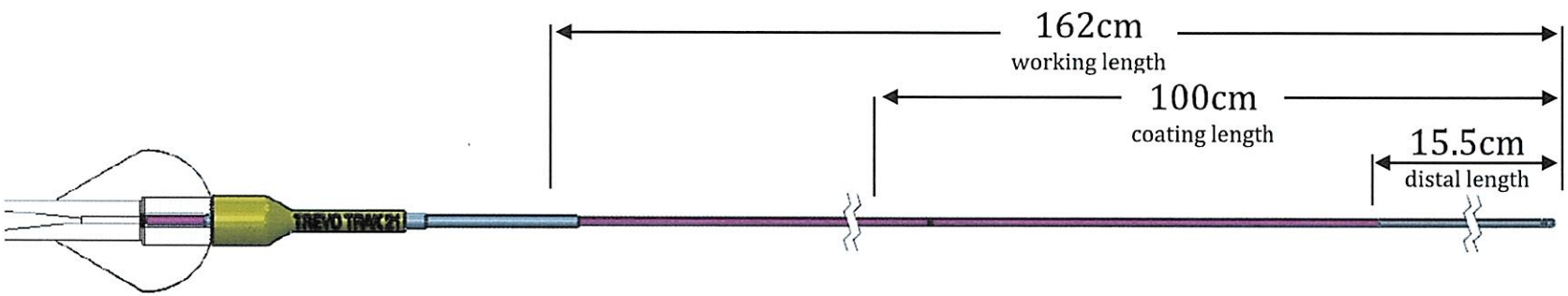


Trevo Trak™ 21 Microcatheter

Design overview

Longer 162 cm length

Designed to track more distal to reach the clot



Robust proximal segment

For support and pushability

Flexible distal segment

Take on tortuosity

stryker

Trevo Trak™ 21 Microcatheter

Simplified access to the clot

Full compatibility with all Trevo NXT sizes to simplify procedure planning

Durability

Stretch resistant double stainless-steel braid

Low friction

Full-length PTFE liner for smooth stent retriever delivery