

Zurpaz™ 8.5F Steerable Sheath Expect More



Catheter Delivery, Redefined.

Developing a Next Generation Sheath

Competitive Product Offerings



AGILIS NxT™

Current Sheath Features:

- Bidirectional steering
- Knob rotation
- Sheath maneuverability
- Ergonomic handle



Market Research



FEEDBACK FROM STEERABLE SHEATH USERS

Sheath Enhancements:

- Distal tip performance
- Crossing profile
- Ease-of-use
- Distal tip reach
- Curve durability

Research & Development



ZURPAZ™

- Next Generation Sheath:**
2 ½ years of development
incorporating top features
and product enhancements



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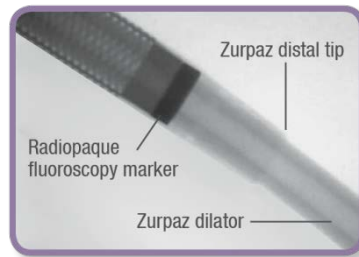
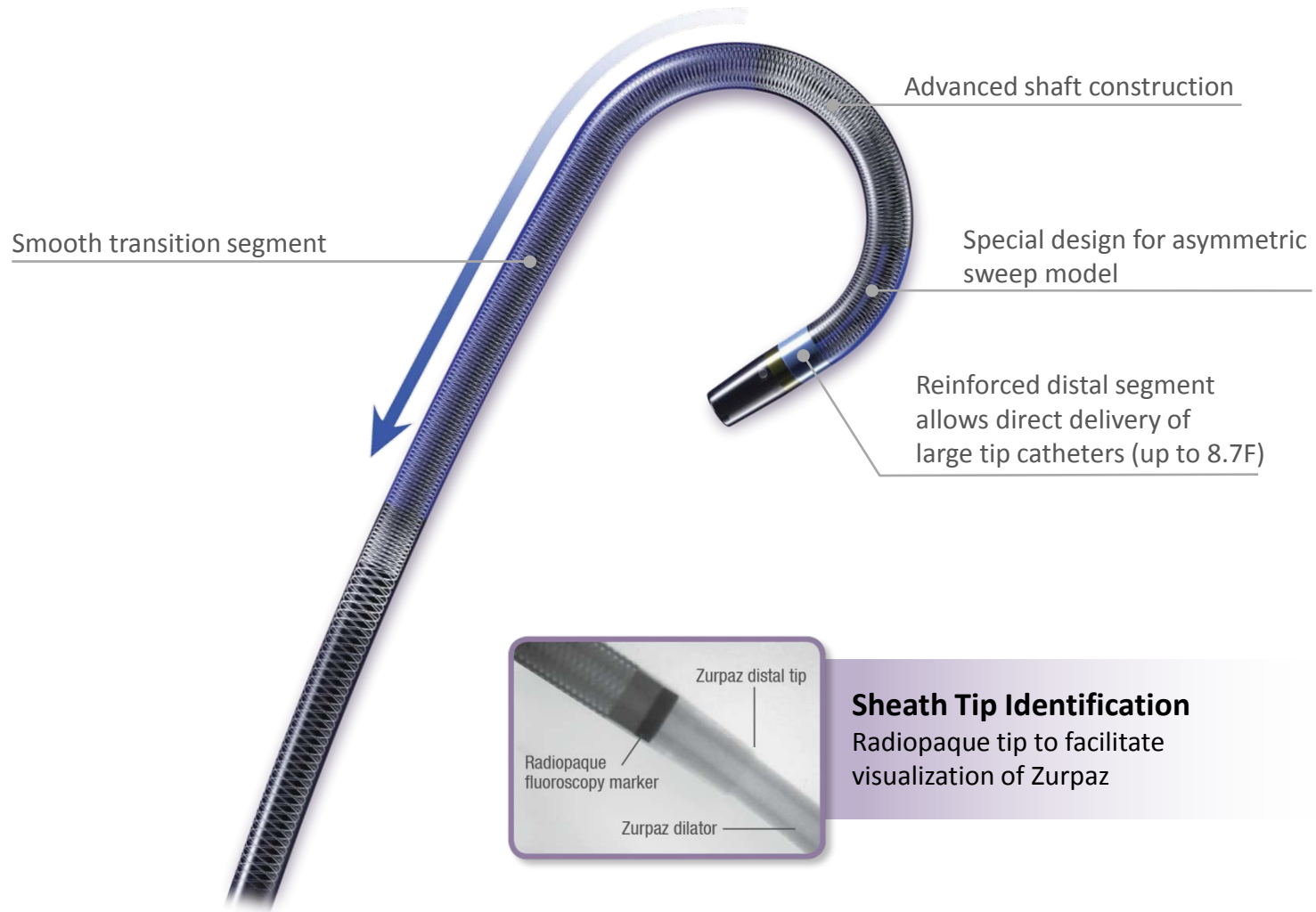
Expect More

The Zurpaz™ 8.5F Steerable Sheath is designed to offer exceptional control, delivery, and performance during electrophysiology procedures.



Control. Delivery. Performance.

Zurpaz™ Steerable Sheath Next Generation Design



Sheath Tip Identification
Radiopaque tip to facilitate visualization of Zurpaz

Zurpaz™ Steerable Sheath Specifications

Specifications	Zurpaz Symmetric	Zurpaz Asymmetric
UPN	M004EPTMC85300	M004EPTMCA85400
Outer Diameter Compatibility	12F	
Inner Diameter Compatibility	8.7F	
Inner Diameter	9.0F	
Overall Length	92 cm	
Working Length	72 cm	
Tip Curl Dimension	22.4 mm @ 200°	
Fluoro Marker Distal Distance	7.0 mm	
Dilator Tip I.D.	0,104 mm (0.041 in)	
Guidewire Compatibility	0,081 mm (0.032 in)	
Guidewire Length	180 cm	
Kit Components	Steerable Sheath; Dilator; 0,081 mm (0.032") Wire, Guidewire Introducer	
Curve Dimensions	Bidirectional Medium Curve (22.4 mm)	Medium Curve (22.4 mm) and Extended Curve

Zurpaz™ Steerable Sheath

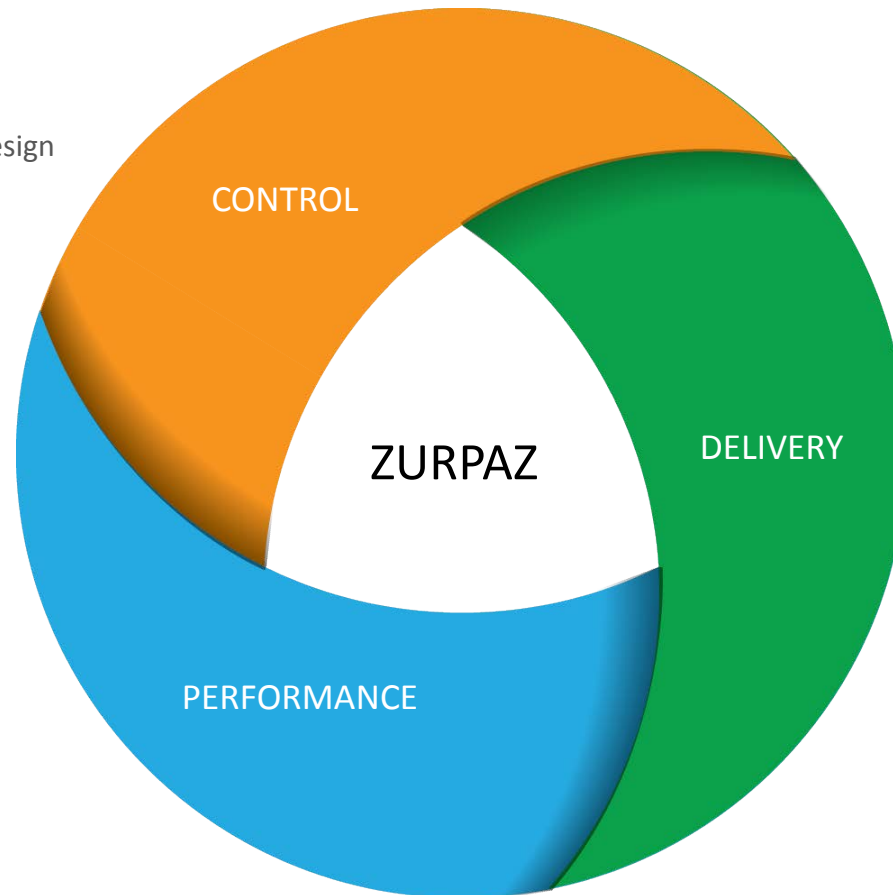
Designed to offer exceptional control, delivery and performance during electrophysiology procedures

Expect More Control

- ✓ Intuitive Handle Design

Expect More Performance

- ✓ Smooth Tip-to-Dilator Transition
- ✓ Soft Distal Tip



Expect More Delivery

- ✓ True Asymmetric Curve
- ✓ Advanced Shaft Construction

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Expect More Control

Unique design of the Zurpaz™ Steerable Sheath handle facilitates intuitive steering and hassle-free control.



Intuitive Handle Design



Click for more information.

Intuitive Handle Design

RETURN TO MENU

Large Ergonomic Handle



1:1 torque ratio

Neutral tension feedback identifies neutral position

Tactile indicator defines steering plane

Dilator locks in place when fully inserted

NEXT

360° Rotating Side Port

Boston
Scientific

RETURN TO MENU

- Engineered to reduce potential tangling with catheters and lab equipment



Click to See the Comparison:
Zurpaz™ side port vs. Agilis NxT™

Rotating side port is patent pending by Boston Scientific

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STEERABLE SHEATH

EXPECT MORE
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EXPECT MORE
DELIVERY

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Expect More Delivery

Enhanced shaft is engineered to enable accurate and efficient catheter delivery throughout the most difficult cases.



True Asymmetric Curve



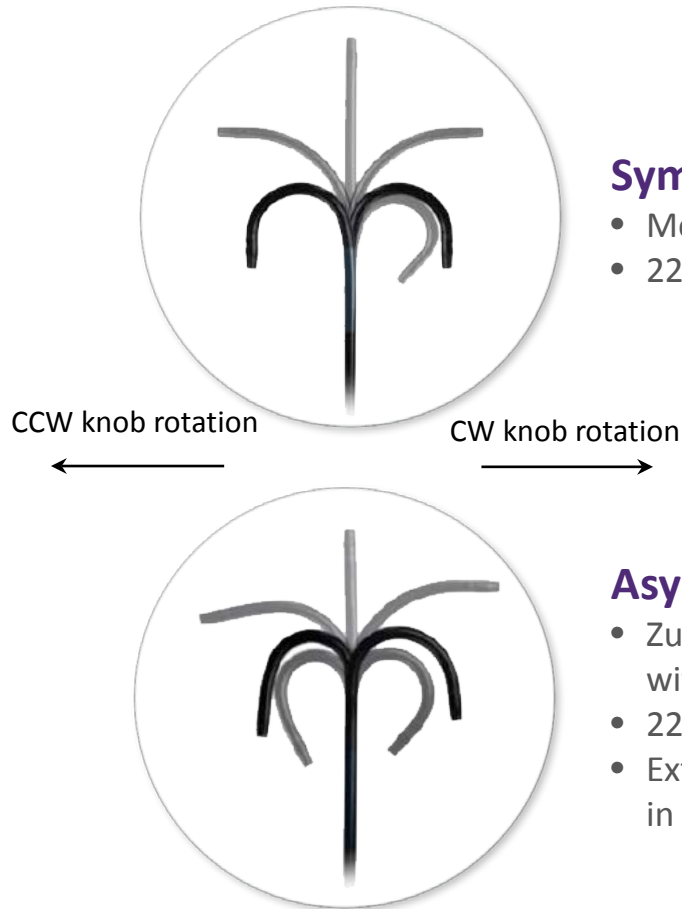
Advanced Shaft Construction



Click for more information.

True Asymmetric Curve

- Allows multiple reach and delivery options on one sheath for increased maneuverability



Symmetric Curve

- Modeled against Agilis NxT™ medium curl
- 22.4 mm curve in both directions



Click to See the Comparison:
Zurpaz™ asymmetric curve vs. Agilis NxT

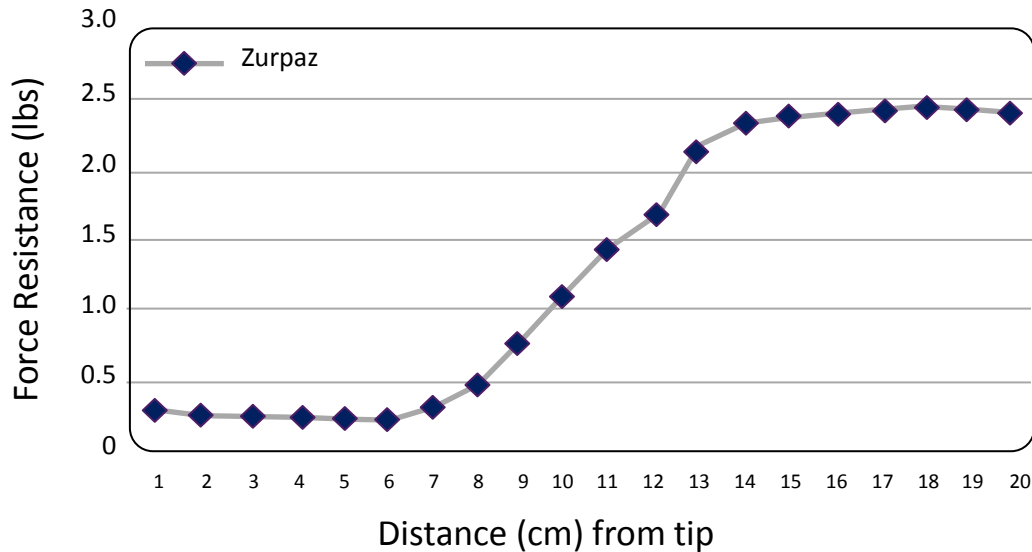
Asymmetric Curve

- Zurpaz is the only steerable sheath with a true asymmetric curve option
- 22.4 mm curve in clockwise direction
- Extended distal curve (+5 mm) in counterclockwise direction

Advanced Shaft Construction

- Smooth transition profile designed for kink resistance, sheath durability, and curve durability
- Advanced shaft profile with quick response steering delivers a 1:1 torque ratio

Smooth Transition Profile



Click to See the Comparison:
Zurpaz™ vs. Agilis NxT™



Proximal-distal
transition segment



Kink resistance



Curve durability



Torquability

Bench testing performed by Boston Scientific. Zurpaz n=15. Data on file.
Bench test results may not necessarily be indicative of clinical performance.

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Expect More Performance

Advanced tip construction promotes consistent performance that allows you to approach transseptal procedures with more confidence.



Smooth Tip-to-Dilator Transition



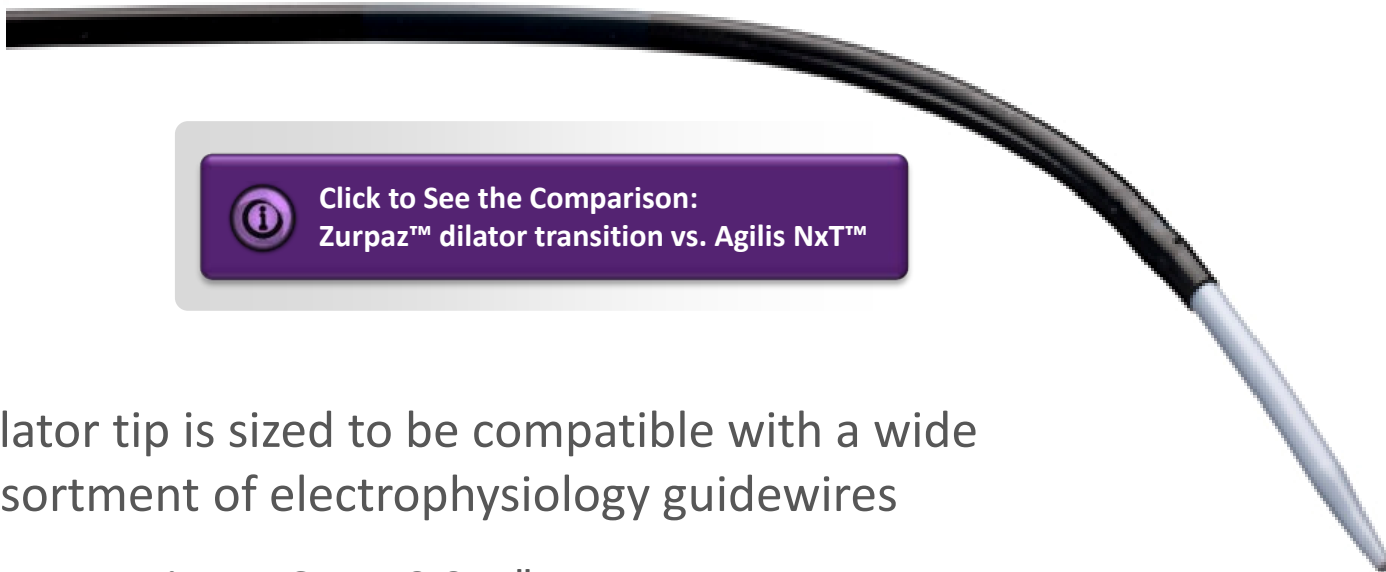
Soft Distal Tip



Click for more information.

Smooth Tip-to-Dilator Transition

- Engineered to deliver a consistent crossing profile across anatomical structures



Click to See the Comparison:
Zurpaz™ dilator transition vs. Agilis NxT™

- Dilator tip is sized to be compatible with a wide assortment of electrophysiology guidewires
 - Zurpaz Tip I.D. Spec: 0.041"
 - Packaged with a 0.032" wire

Soft Distal Tip

- Engineered for durability throughout extended cases
- Distal tip designed to provide confidence during transseptal procedures



Multiple and smaller distal tip side holes designed to reduce guidewire exit

Click to See the Comparison:
Zurpaz™ vs. Agilis NxT™



Distal tip softness



Perfusion side holes



Distal shaft integrity

Zurpaz™ Steerable Sheath

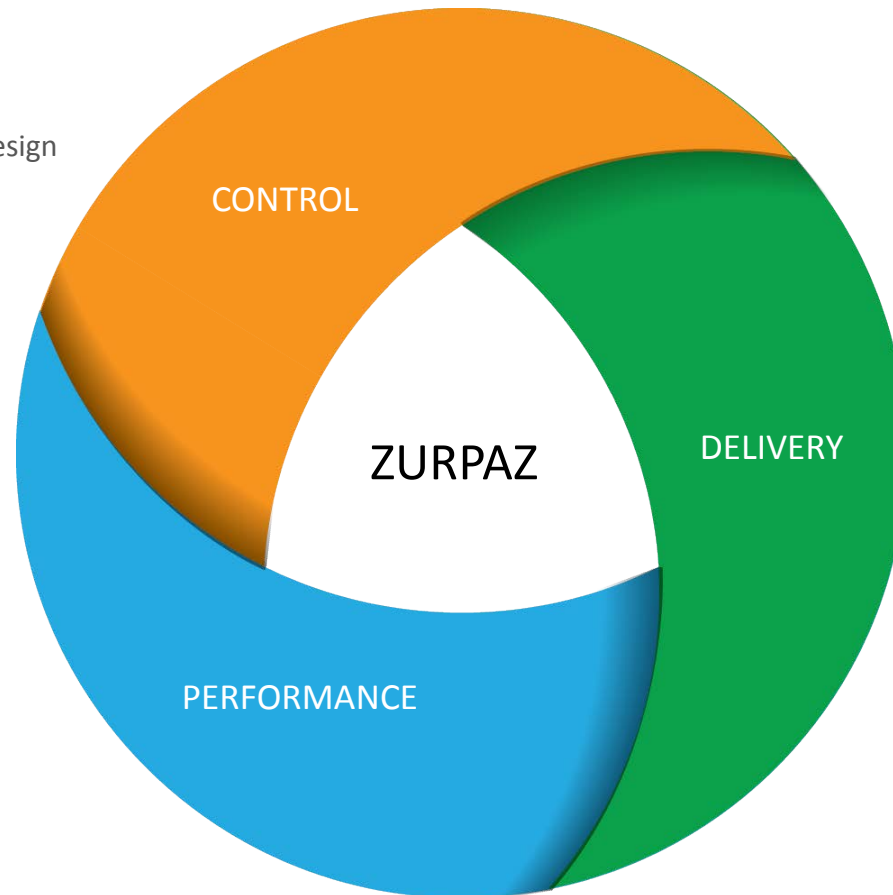
Designed to offer exceptional control, delivery and performance during electrophysiology procedures

Expect More Control

- ✓ Intuitive Handle Design

Expect More Performance

- ✓ Smooth Tip-to-Dilator Transition
- ✓ Soft Distal Tip



Expect More Delivery

- ✓ True Asymmetric Curve
- ✓ Advanced Shaft Construction

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Competitive Comparison

Zurpaz™ vs. Agilis NxT™

CONTROL

 Side Port

DELIVERY

 Asymmetric Curve

 Proximal-Distal Transition Segment

 Kink Resistance

 Curve Durability

 Torquability

PERFORMANCE

 Tip-to-Dilator Transition

 Distal Tip Softness

 Perfusion Side Holes

 Distal Shaft Integrity



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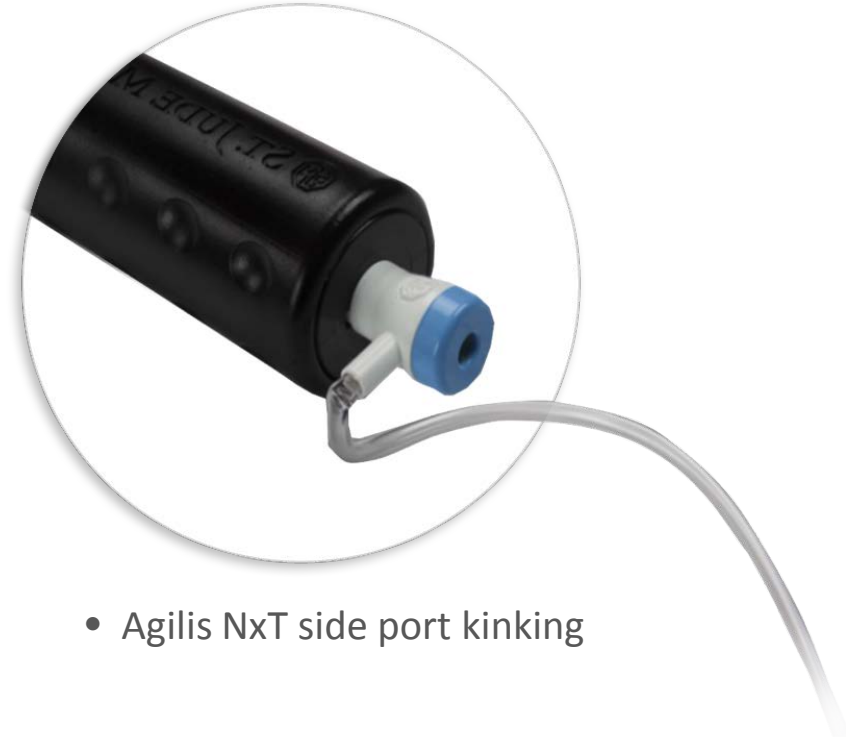
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Zurpaz™ vs. Agilis NxT™ Side Port

- Zurpaz infusion side port is more user-friendly than Agilis NxT



- Tangle-resistant 360° rotating side port
- Leak resistant design



- Agilis NxT side port kinking

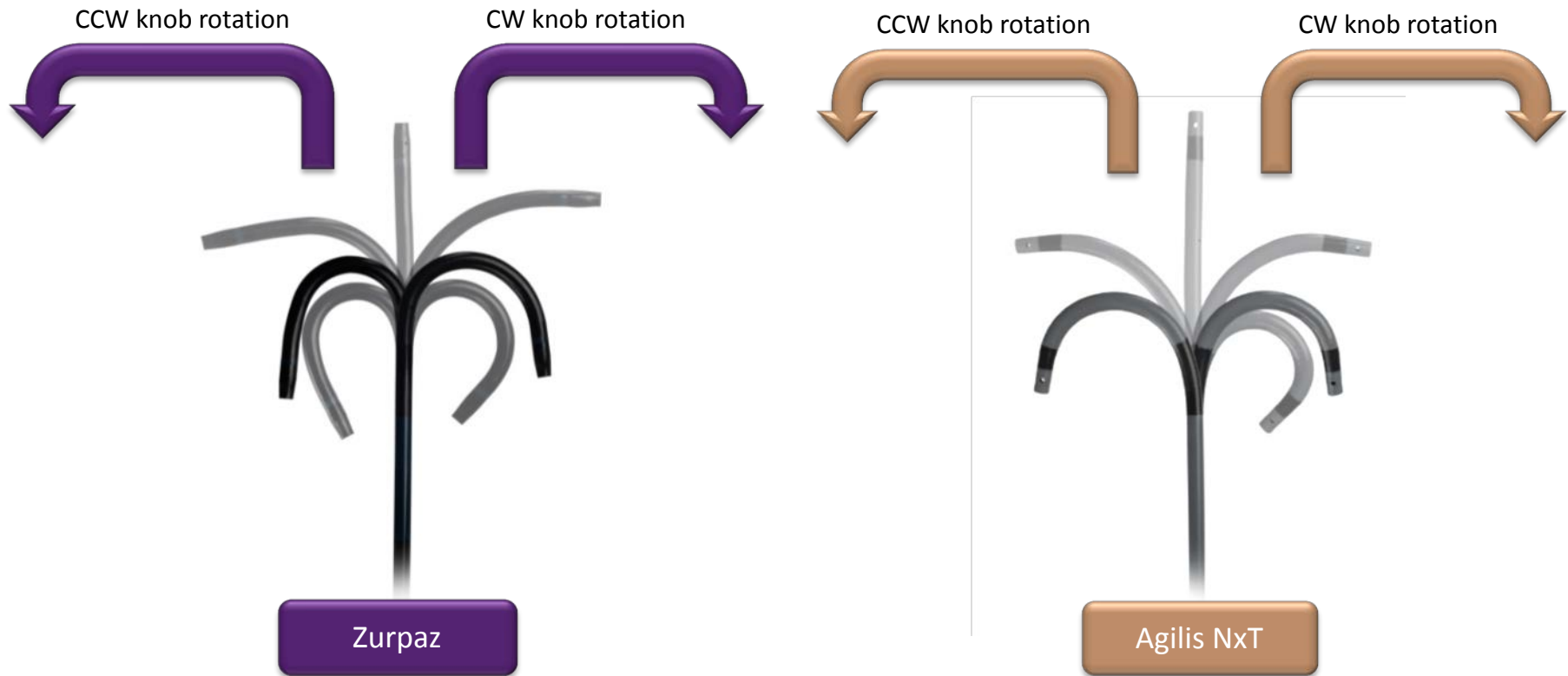
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Zurpaz™ vs. Agilis NxT™

Asymmetric Curve Model

- Zurpaz asymmetric curve model provides two different curve and reach options on one sheath, compared to one curve on both sweeps for Agilis NxT

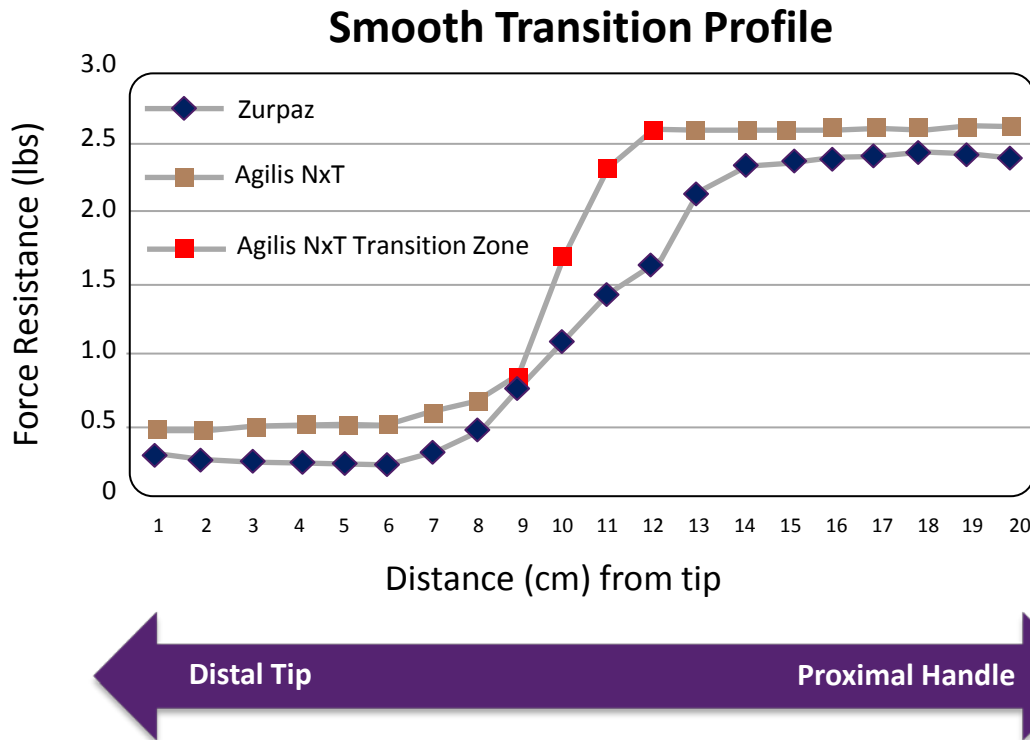


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Zurpaz™ vs. Agilis NxT™ Proximal-Distal Transition Segment

- Advanced shaft construction provides a smooth proximal-distal transition, increasing kink resistance and sheath durability compared to Agilis NxT



Bench testing performed by Boston Scientific. Zurpaz n=15, Agilis NxT n=3. Data on file. Bench test results may not necessarily be indicative of clinical performance.

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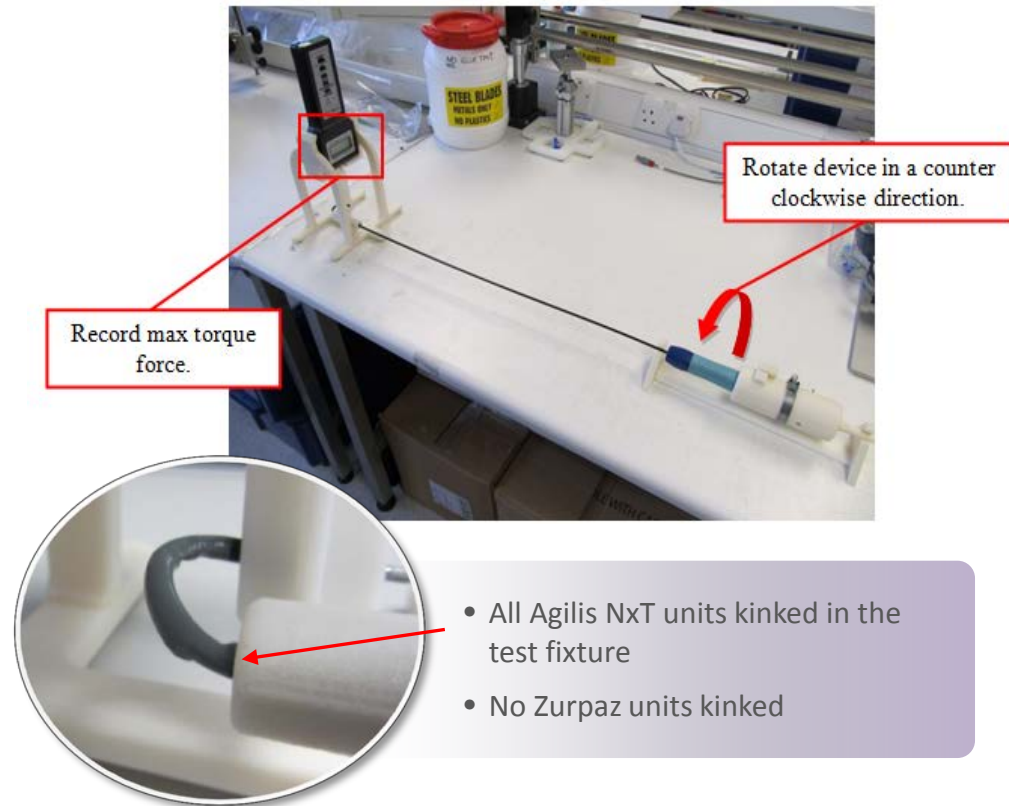
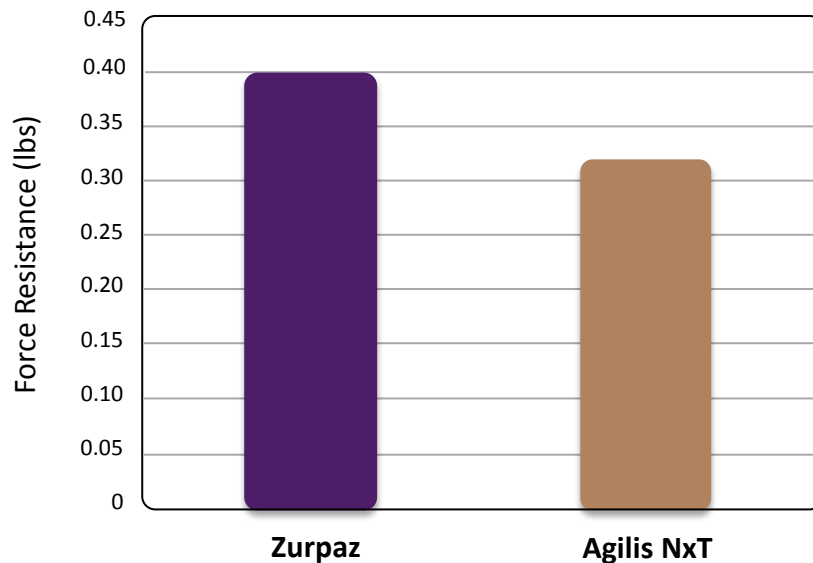
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Zurpaz™ vs. Agilis NxT™

Kink Resistance

- Zurpaz is 27% more kink resistant than Agilis NxT

Max Torque Application with 180° Curve



Bench testing performed by Boston Scientific. Zurpaz n=10, Agilis NxT n=3. Data on file. Bench test results may not necessarily be indicative of clinical performance.

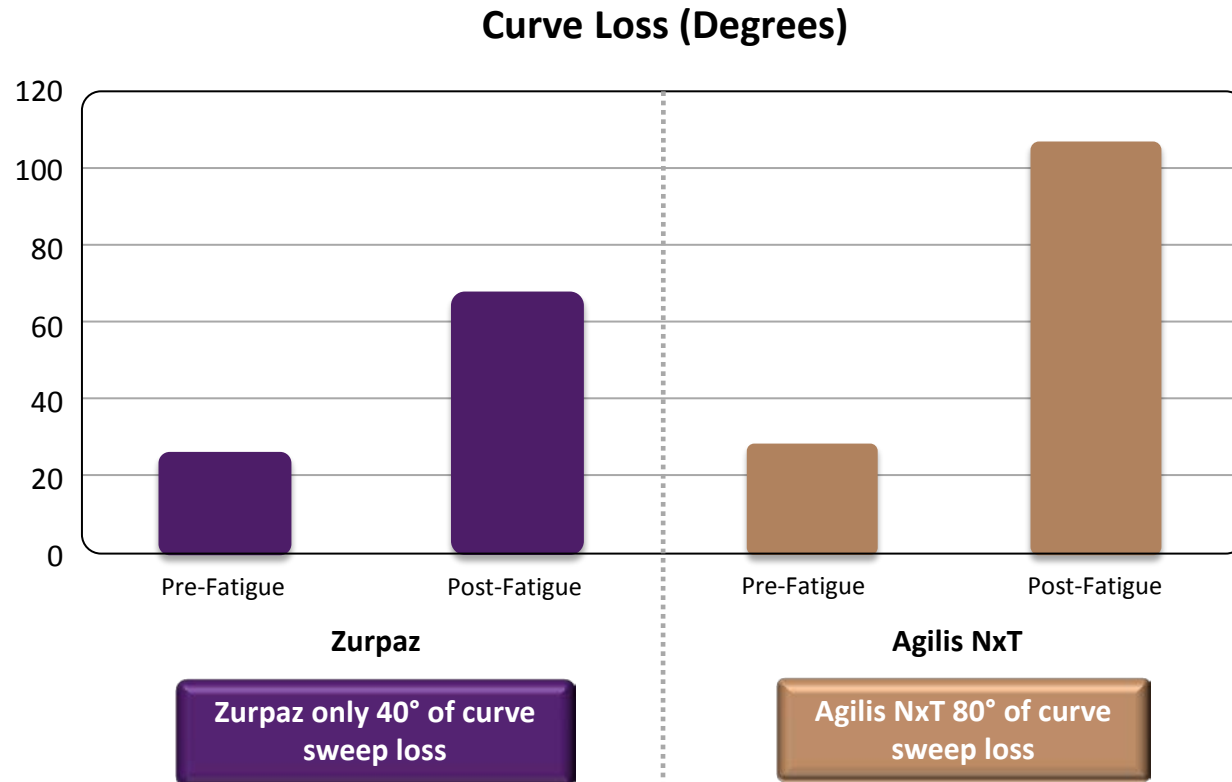
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Zurpaz™ vs. Agilis NxT™

Curve Durability

- Advanced shaft construction promotes curve durability after extended use compared to Agilis NxT



Simulated use of 50 curve articulations. Bench testing performed by Boston Scientific. Zurpaz n=15, Agilis NxT n=3. Data on file. Bench test results may not necessarily be indicative of clinical performance.

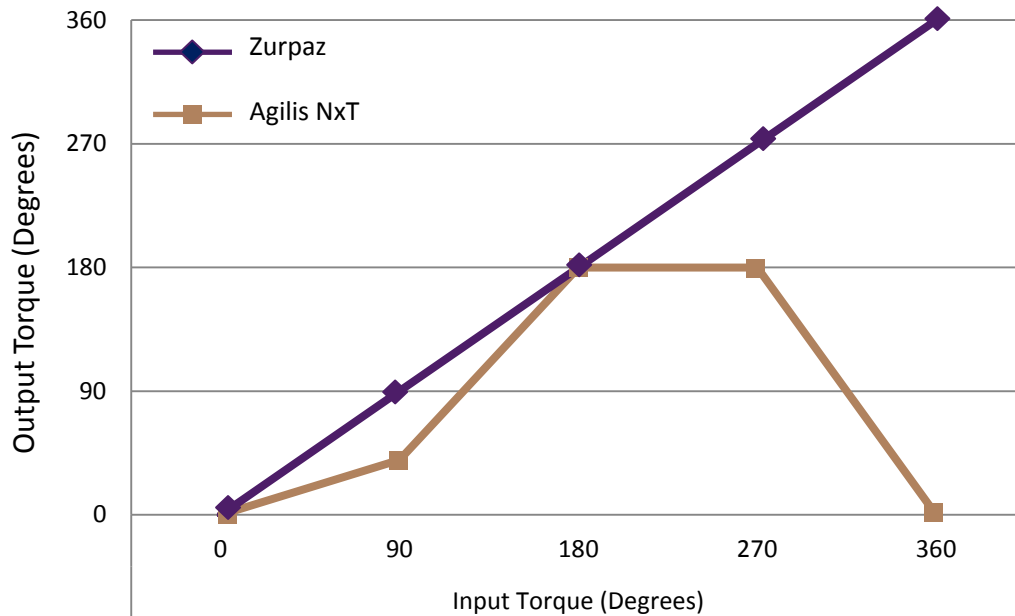
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Zurpaz™ vs. Agilis NxT™ Torquability

- Zurpaz maintains 1:1 torque through a full 360° articulation

1:1 Torque Response



- All 3 Agilis NxT shafts failed inside the handle area during bench test
- No Zurpaz units broke

Bench testing performed by Boston Scientific. Zurpaz n=10, Agilis NxT n=3. Data on file. Bench test results may not necessarily be indicative of clinical performance.

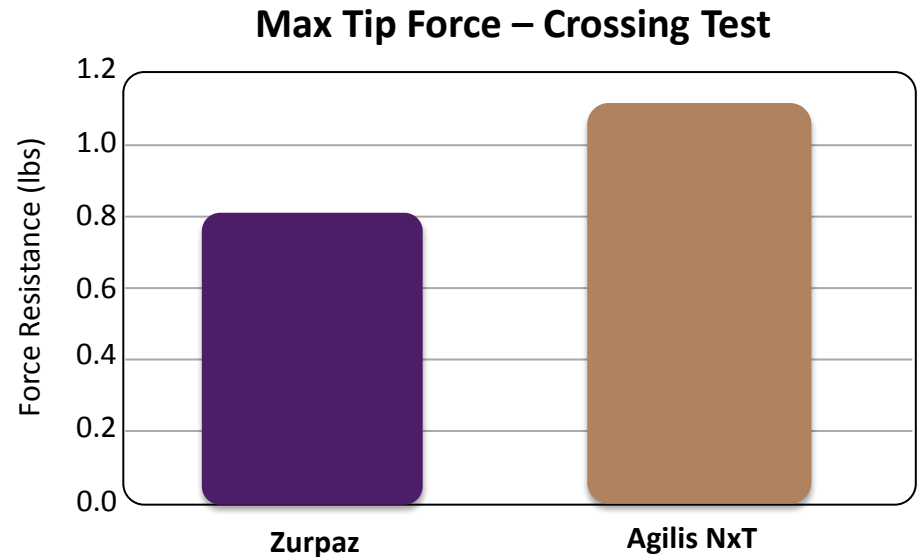
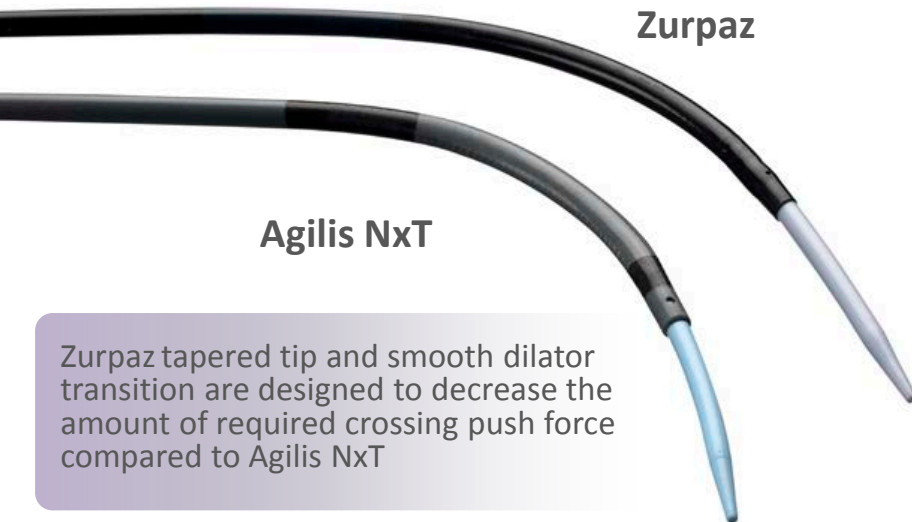
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Zurpaz™ vs. Agilis NxT™

Tip-to-Dilator Transition

- Zurpaz requires 29% less push force than Agilis NxT



Bench testing performed by Boston Scientific. Zurpaz n=15, Agilis NxT n=3. Data on file. Bench test results may not necessarily be indicative of clinical performance.

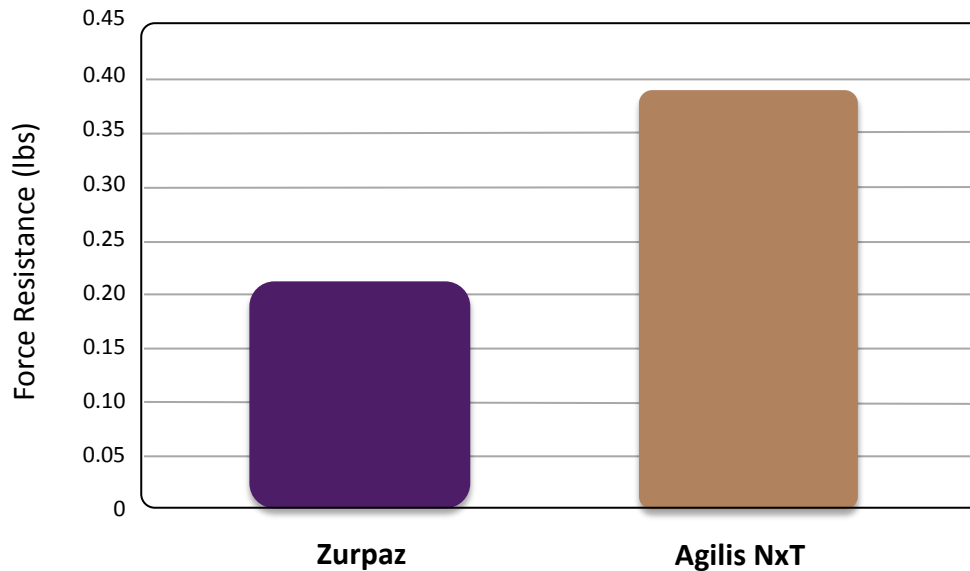
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Zurpaz™ vs. Agilis NxT™

Distal Tip Softness

- Zurpaz distal tip is 47% softer than Agilis NxT

Average Distal Tip Softness



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Zurpaz™ vs. Agilis NxT™ Perfusion Side Holes

- Zurpaz distal perfusion side holes are sized to reduce guidewire exit compared to Agilis NxT side holes
 - Zurpaz specification $0.027" \pm 0.002"$
 - Agilis NxT specification unknown, but side holes measured at $0.041"$ during bench testing
- Extra side hole added to Zurpaz to mirror performance of Agilis NxT



Bench testing performed by Boston Scientific. Agilis NxT n=3. Data on file.
Bench test results may not necessarily be indicative of clinical performance.

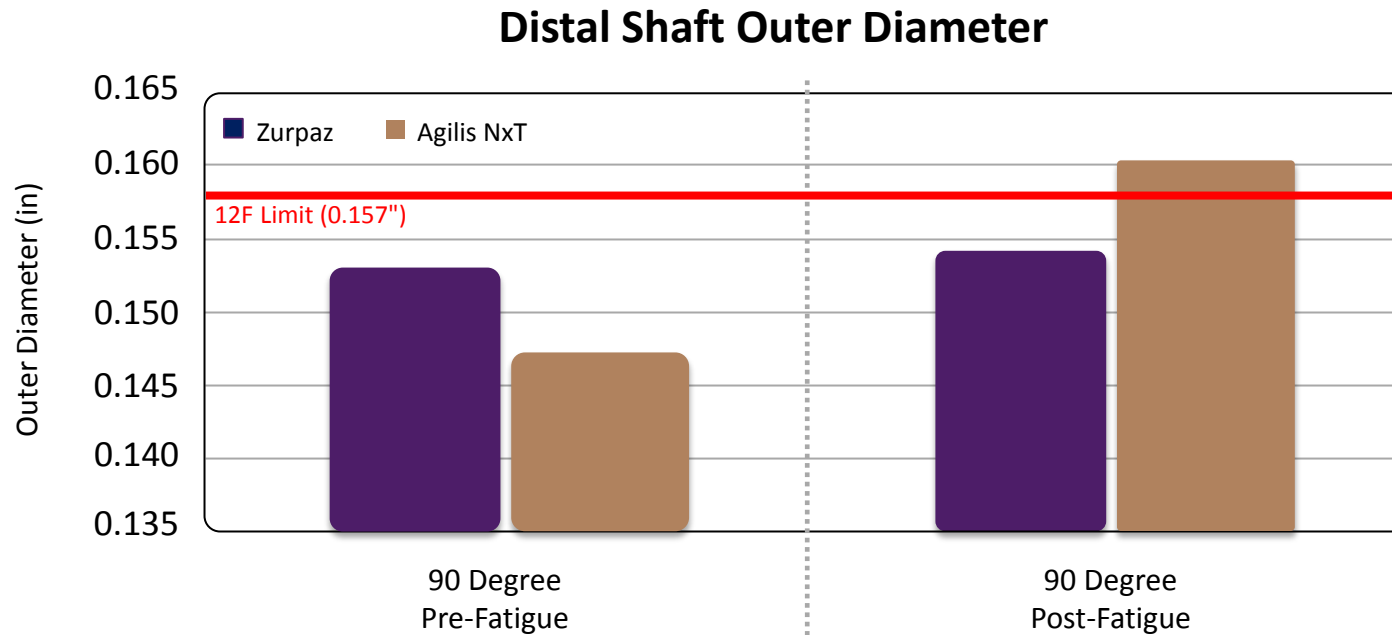
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Zurpaz™ vs. Agilis NxT™

Distal Shaft Integrity

- Advanced sheath construction maintains distal shaft integrity under 12F diameter after extended use (50 actuations)



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Zurpaz™ vs. Agilis NxT™ Bench Test Results

Feature	Advantage	Zurpaz Bench Test Results
Tangle Resistant 360° Side Port	CONTROL	<ul style="list-style-type: none"> Zurpaz infusion side port is more user-friendly than Agilis NxT
Asymmetric Curve Option	DELIVERY	<ul style="list-style-type: none"> Zurpaz has 2 curve and delivery options on 1 sheath
Advanced Sheath Construction	DELIVERY	<ul style="list-style-type: none"> Smooth transition between proximal and distal segments Zurpaz is 27% more kink resistant than Agilis NxT Promotes curve durability after extended use compared to Agilis NxT Zurpaz maintains 1:1 torque through a full 360° articulation
Smooth Tip-to-Dilator Transition	PERFORMANCE	<ul style="list-style-type: none"> Zurpaz requires 29% less push force than Agilis NxT
Distal Tip Softness	PERFORMANCE	<ul style="list-style-type: none"> Zurpaz distal tip is 47% softer than Agilis NxT

Bench testing performed by Boston Scientific. Data on file. Bench test results may not necessarily be indicative of clinical performance.

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Appendix

Zurpaz™ Steerable Sheath Set

Size conversion:

8.5 F = 2.86 mm

8.7 F = 2.90 mm

9 F = 3.00 mm

12 F = 4.00 mm

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