



Endoscopic Tissue Management Defect Closure Portfolio

**Boston
Scientific**
Advancing science for life™

**STANDARD
CLOSURE**

**ADVANCED
CLOSURE**

**COMPLEX
CLOSURE**



**Resolution™
Clip Family**

**MANTIS™ Clip
& X-Tack™**

**OverStitch™
Family**

Multiple solutions for every closure.

STANDARD CLOSURE

ADVANCED CLOSURE

COMPLEX CLOSURE

The **Resolution™ Clip Family** continues to evolve and lead in the through-the-scope clip market.



>12M
Clips Placed*



>100
Countries*



>400
Published Studies*

* Data on file

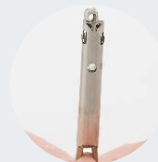
Resolution™ Clip



Resolution™ 360 Clip



Resolution™ 360 Ultra Clip



Secure Locking Mechanism to help retention, which may lead to fewer hospital readmissions and repeat procedures.^{1,2,4} (ALL)



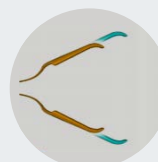
1st clip indicated for prophylactic clipping to help reduce the risk of delayed bleeding.(ALL)



Innovative Physician controlled Rotation designed for procedural efficiency and accuracy, and precise clip placement on our Resolution 360 platform.⁴



Tactile Feedback to confirm tissue purchase and trial tamponade before deployment. (ALL)



17 mm jaw opening offered with Resolution 360 Ultra, currently the largest through-the-scope in the Resolution Clip Family, to span and approximate a greater amount of tissue.*

*As compared to Resolution 360

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Transforming advanced defect closure capabilities



MANTIS™ Clip

Purpose-built for closing large defects¹ in the GI tract



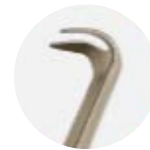
Enhance potential for procedural efficiency
Achieving efficient, effective defect closure calls for a purpose-built device designed to be unconstrained by limitations of conventional clips.⁵



Precision Placement features
MANTIS™ can save you time and may allow you to use fewer devices compared to tested conventional clips.⁶



Designed to limit slipping
TruGrip™ anchor prongs are designed to allow users to securely grasp healthy tissue, which can limit slippage during mobilization.⁷



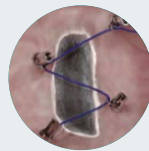
Enable a Novel Approach
Achieve tissue apposition and closure through the 3-step approach to closing defects: Anchor, Mobilize, Close.⁷

X-Tack™ Endoscopic HeliX Tacking System

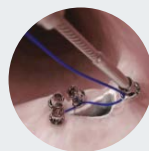
A through-the-scope suturing device designed to address the challenges of conventional clip closure



Enhanced Fixation, Low Profile — HeliX Tacks are designed with barbs for enhanced fixation in deep submucosal and intramuscular gastrointestinal tissue. Optimized length and flat driving tip delivers a low-profile suture-based construct.



Span Difficult Defects — HeliX Tacks tethered with a polypropylene suture allow for independent, through-the-scope placement of fixation points, reducing the challenge of spanning defects.



Precise Closure — Applying suture tension approximates margins allowing for visual confirmation of defect closure prior to locking suture construct.



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Endoscopic suturing enables physicians to manage complications in therapeutic gastroenterology procedures and provide patients with endoscopic treatment options in place of traditional surgery.

OverStitch™

OverStitch™ Dual channel endoscopic suturing

300+

Clinical studies referencing OverStitch.

1st

Full-Thickness suturing system allowing for stable tissue approximation for a broad range of advanced gastrointestinal procedures, without the limitation of implant size or scope selection.

OverStitch NXT™

NeXT Generation Single-Channel Endoscopic Suturing System



Single-channel Endoscopic Suturing

Eliminates the dependency on a Dual Channel Scope.



MaxFlex Advanced Scope Retroflexion

Enhances single-channel scope flexibility up to 210°.



Tissue Helix Pro

Puts tissue acquisition in the hands of the physician.



Resolution™ Clip				
Order Number	Working Length (cm)	Minimum Working Channel (mm)	Clip Opening (mm)	Packaging
M00522600	155	2.8	11	Each
M00522601	155	2.8	11	Box 10
M00522602	155	2.8	11	Box 20
M00522610	235	2.8	11	Each
M00522611	235	2.8	11	Box 10
M00522612	235	2.8	11	Box 20

Resolution 360™ Clip				
Order Number	Working Length (cm)	Minimum Working Channel (mm)	Clip Opening (mm)	Packaging
M00521240	155	2.8	11	Each
M00521241	155	2.8	11	Box 10
M00521242	155	2.8	11	Box 20
M00521243	155	2.8	11	Box 40
M00521230	235	2.8	11	Each
M00521231	235	2.8	11	Box 10
M00521232	235	2.8	11	Box 20
M00521233	235	2.8	11	Box 40

Resolution 360™ ULTRA Clip				
Order Number	Working Length (cm)	Minimum Working Channel (mm)	Clip Opening (mm)	Packaging
M00521400	235	2.8	17	Box 1
M00521401	235	2.8	17	Box 10
M00521402	235	2.8	17	Box 20
M00521403	235	2.8	17	Box 40

MANTIS™ Clip				
Order Number	Working Length (cm)	Minimum Working Channel (mm)	Clip Opening (mm)	Packaging
M00521420	235	2.8	11	Box 1
M00521421	235	2.8	11	Box 10
M00521422	235	2.8	11	Box 20
M00521423	235	2.8	11	Box 40

X-Tack™ Endoscopic HeliX Tacking System				
Order Number	Product Name	Working Length (cm)	Minimum Working Channel (mm)	Packaging
XTACK-160-H	X-Tack Endoscopic HeliX Tacking System - Gastric	>230	2.8	Box 3
XTACK-235-H	X-Tack Endoscopic HeliX Tacking System - Colonic	>230	2.8	Box 3

X-Tack™ Endoscopic HeliX Tacking System Accessories				
Order Number	Product Name	Working Length (cm)	Minimum Working Channel (mm)	Packaging
CNH-G01-000	OverStitch Suture Cinch	150	2.8	Box 6
CNH-C01-213-L	Suture Cinch - Long	213	2.8	Box 6



OverStitch™ Family				
Order Number	Product Name	Working Length (cm)	Minimum Working Channel (mm)	Packaging
ESS-G02-NXT	OverStitch NXT Endoscopic Suture System	Single-Channel Endoscopic Suture System*	-	Box 3
ESS-G02-160	OverStitch Endoscopic Suturing System	Dual-Channel Endoscopic Suturing System	-	Box 3
OverStitch™ Family Accessories				
Order Number	Product Name	Working Length (cm)	Minimum Working Channel (mm)	Packaging
CNH-G01-000	OverStitch Suture Cinch	150	2.8	Box 6
ES26165-3	Ensizor Endo Scissors: 2.6 mm x 165 cm	165	2.8	Box 3
ES26235-3	Ensizor Endo Scissors: 2.6 mm x 235 cm	235	2.8	Box 3
OVT-027-160	OverTube Endoscopic Access System	27	17.7	Box 3
PLY-G02-020-APL	OverStitch 2-0 Polypropylene Suture	-	-	Box 12
NXT-THXP-130	OverStitch NXT Tissue Helix Pro**	165	-	Box 6
THX-165-028	OverStitch Tissue Helix	165	-	Box 6

- Liaquat, H., Rohn, E., & Rex, D. K. Prophylactic clip closure reduced the risk of delayed postpolypectomy hemorrhage: Experience in 277 clipped large sessile or flat colorectal lesions and 247 control lesions. *Gastrointestinal Endoscopy*, 2013, 77(3): 401–407. <https://doi.org/10.1016/j.gie.2012.10.024>
- Pohl H, Grimm IS, Moyer MT, et al. Clip Closure Prevents Bleeding After Endoscopic Resection of Large Colon Polyps in a Randomized Trial. *Gastroenterology*. 2019;157(4):977- 984.e3. doi:10.1053/j.gastro.2019.03.019
- Wang TJ, Aihara H, Thompson AC, Schulman AR, Thompson CC, Ryou M. Choosing the right through-the-scope clip: a rigorous comparison of rotatability, whip, open/close precision, and closure strength (with videos). *Gastrointest Endosc*. 2019;89(1):77-86.e1. doi:10.1016/j.gie.2018.07.025. MANTIS is built on the Resolution 360 Clip platform referenced in the study.
- Jensen DM, Machiacado GA. Hemoclipping of chronic canine ulcers: a randomized, prospective study of initial deployment success, clip retention rates, and ulcer healing. *Gastrointestinal Endoscopy*, 2009 Nov;70(5):969-75. doi: 10.1016/j.gie. 2009.04.052. Epub 2009 Jul 28
- 92891076 Report of MANTIS Defect Closure Study; Page 12: Therefore, it can be stated that in their current practice physicians face challenges when trying to close large defects in the GI tract. Workarounds can be time-consuming and frustrating and forces physicians to contend with multiple clips and slips.
- 92891076 Report of MANTIS Defect Closure Study; Page 17: As compared to Resolution 360 Clip and SureClip: MANTIS enhances procedural efficiency due to fewer clips on average being required and as a result less time is required to achieve closure (Table 2).
- Boston Scientific conducted a bench study to gather feedback from 16 paid physicians on the use of commercially representative MANTIS™ Clips on excised porcine stomach model and synthetic tissue model. Data on file. The objective of the study was to evaluate MANTIS Clip's tissue apposition and mobilization design features as compared against Boston Scientific Resolution™ 360 Clips, and other competitive clips. The bench study was performed with minimal training via some preparation in the ex-vivo model. Bench testing results may not necessarily be indicative of clinical performance. Each physician conducted one closure per product brand. The data showed that the average time and clip quantity to close the defects when using the MANTIS Clip was less than the combined average time (reduced by 4 mins 45 seconds) and clip quantity (reduced by 4) for the Resolution 360 and other competitive devices. Bench testing results may not necessarily be indicative of clinical performance.

* Certain scope requirements for compatibility.

** Not compatible with Gen2 Overstitch.

CAUTION: The law restricts these devices to sale by or on the order of a physician. Indications, contraindications, warnings and instructions for use can be found in the product labelling supplied with each device or at www.IFU-BSCI.com or at www.apolloendo.com/dfus. Products shown for INFORMATION purposes only and may not be approved or for sale in certain countries. This material is not intended for use in France.

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CE 2797 OverStitch™, OverStitch SX™, OverStitch NXT™, X-Tack™ Endoscopic HeliX Tacking System

CE 0344 MANTIS™ Clip