

Endo GIA™ Black Reloads with Tri-Staple™ Technology

Designed with Bariatric Surgery In Mind

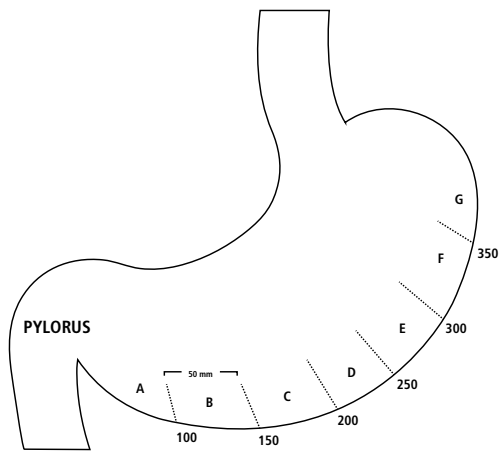


[*Stapling Made Smarter*]

*Enabling surgeons to confidently and consistently staple
in extra thick tissue applications previously beyond the
indications of any MIS stapler*

Consistent Staple Formation in Thick Tissue Applications

We understand that consistent staple formation in thick tissue bariatric applications, such as laparoscopic sleeve gastrectomy, can be challenging. That's why we have designed the Endo GIA™ Black Reload with Tri-Staple™ Technology to provide superior staple formation in thick tissue applications.



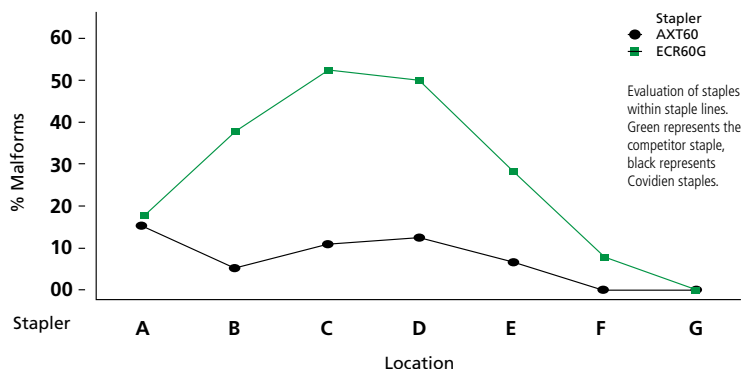
Location	Distance from Pylorus (mm)
A	<100
B	101-150
C	151-200
D	201-250
E	251-300
F	301-350
G	>350

Side-by-Side Staple Formation Comparison

Staple line evaluation of two stapler designs (Endo GIA™ Black 60mm Reloads with Tri-Staple™ Technology and Echelon Flex™* Green 60mm Reloads) in explanted porcine stomachs.

*Malformed staple is defined as any staple that had at least one leg less than parallel to the back span or both legs parallel to the back span.

Individual Value Plot of % Staple Malforms* by Location and Stapler



Increased Staple Line Strength

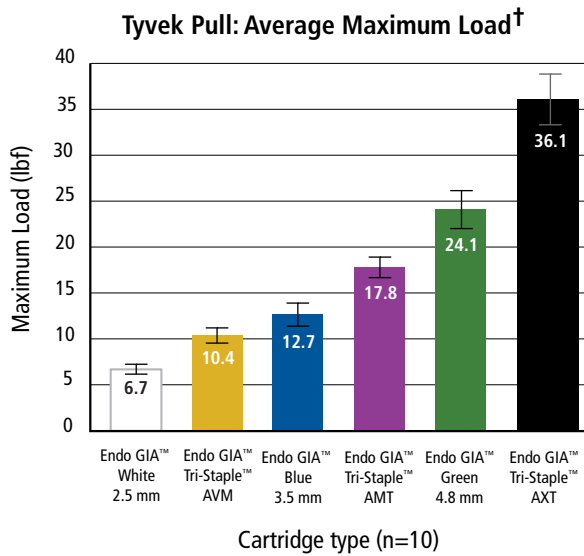
We know the importance of staple line strength in bariatric surgery, so we have designed the Endo GIA™ Black Reload with Tri-Staple™ Technology to provide a higher level of strength than any other reload available on the market.

- Thickest indicated tissue range for any stapler currently on the market (2.25mm–3.00mm)
- Designed for extra thick, dense tissues commonly found in challenging bariatric procedures such as revisions and sleeve gastrectomies
- 50% thicker tissue range when compared to the Echelon Flex™* green reload¹
- Provides a smooth firing force through extra thick tissue due to stronger knife bar, higher compression force and improved firing mechanism
- Variable staple heights (4.0 mm, 4.5 mm, 5.0 mm) and stepped cartridge face increase the compressibility of tissue and provide optimal staple formation in variable tissue thickness

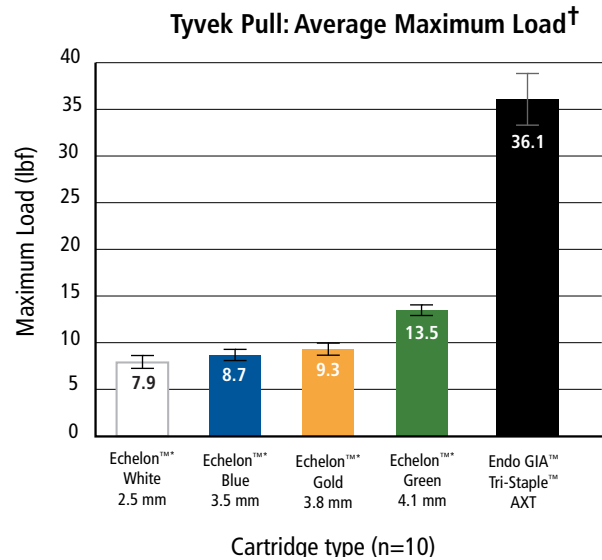
¹Indicated tissue thickness range: Endo GIA™ Black Reload with Tri-Staple™ Technology (2.25 mm to 3.00 mm) vs. Echelon Flex™* green reload (2.00 mm) per respective product IFUs

Increased Staple Line Strength

We know the importance of staple line strength in bariatric surgery, so we have designed the Endo GIA™ Black Reload with Tri-Staple™ Technology to provide a higher level of strength than any other reload available on the market.



Test shows Endo GIA™ Black Reload with Tri-Staple™ Technology demonstrates greater staple line strength than all other Endo GIA™ reloads.



Test shows Endo GIA™ Black Reload with Tri-Staple™ Technology demonstrates greater staple line strength than all Echelon™ reloads.

Staple lines were fired into Tyvek® media and pulled apart until failure (n=10). These tests demonstrated that the Endo GIA™ with Tri-Staple™ technology provides superior ($p < 0.004$) staple line strength compared to Echelon™ and Endo GIA™ Universal™ stapling product. The Endo GIA™ AXT (black) reload with Tri-Staple™ Technology has more than double the strength compared to the Echelon™ green reload.

Indicated Ranges Of Endoscopic Stapler Loads Available (Per Respective Product IFUs)

Extra-Thin Range	Thin Range	Medium Range	Thick Range	Extra-Thick Range
Vascular				
Black Tri-Staple™ Reload Thickest Indicated Tissue Stapler on the Market				
Endo GIA™ Reloads without Tri-Staple™ Technology (Staple Height)				
2.0 mm	2.5 mm	3.5 mm	4.8 mm	
New Endo GIA™ Reloads with Tri-Staple™ Technology				
Extra-Thin/Vascular†	Vascular/Medium		Medium/Thick	
Ethicon Echelon™/ETS Reloads				
Thin/Mesenteric	Vascular/Thin	Regular	Regular/Thick	Thick

Fixed Anvil



Larger Anvil Buckets

New, Stronger Knife Blade

Stepped Cartridge Face



Reorder Code	Description	Color	Staple Size
EGIA45AXT	Endo GIA™ 45 mm Articulating Extra-Thick Reload with Tri-Staple™ Technology	Black	4.0 mm, 4.5 mm, 5.0 mm
EGIA60AXT	Endo GIA™ 60 mm Articulating Extra-Thick Reload with Tri-Staple™ Technology	Black	4.0 mm, 4.5 mm, 5.0 mm

For more information, please visit:

www.covidien.com/tristaple

www.bariatricspro.com

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