

Echelon Flex™

# Mastering movement. To transect as you intend.



The ECHELON FLEX™ GST System<sup>1</sup> controls tissue movement to enable you to transect as you intend even on the most challenging tissue.

## Control and capture tissue

- **4x less tissue slippage** during firing<sup>2</sup> for the most precise transection compared to Endo GIA™ Reloads with Tri-Staple™ Technology
- **7x more likely to fully capture mucosa** in the staple line<sup>3</sup> compared to Endo GIA™ Reloads with Tri-Staple™ Technology

## Transect as intended

- **Exceptional staple line integrity across the broadest range** of tissue thicknesses<sup>4</sup>
- In thick tissue testing, **no occurrences of compromised staple line integrity** compared to 43% with EndoWrist® Stapler 45 due to 3x fewer malformed staples<sup>5</sup>

## Stabilizes tissue before and during firing

Built on a market proven platform, the ECHELON FLEX™ GST System stabilizes tissue through the entire surgical transection with multi-stage compression, Gripping Surface Technology and powered firing.

## Examples of applicable surgical specialties

Thoracic, Colorectal, Bariatric, General, Gynecologic, Urologic

<sup>1</sup> System components include ECHELON FLEX™ Powered Plus Stapler and ENDOPATH ECHELON™ Reloads with Gripping Surface Technology. <sup>2</sup> Benchtop testing in porcine stomach tissue. Mean tissue movement from after clamping on tissue to after firing ECHELON FLEX™ Powered Plus Stapler (PSEE60A) and ECHELON Reload with GST vs ENDO GIA™ ULTRA Handle (EGIAUSTND) and ENDO GIA™ Reload with Tri-Staple™ Technology at 3.3 and 4.0mm tissue thicknesses (3.3mm: GST60T 0.642mm vs EGIA60AMT 4.806mm p<0.001; 4.0mm: GST60T 0.654mm vs EGIA60AXT 5.116mm p<0.001). <sup>3</sup> GST System Blue and Green Reloads compared to Tri-Staple Purple Reloads evaluated via gross observations of firings in 1.5mm to 3.0mm thick animate porcine ileum. Mucosal capture was evaluated in a preclinical study comparing compression damage, mucosal injury and mucosal capture on varying thicknesses of porcine gastrointestinal tissue and rated via a 5 point Likert scale with the best rating representing fully captured mucosa. The GST System had a higher percentage of firings that were rated as having good mucosal apposition (121% GST vs 17% Tri-Staple) and a lower percentage of firings that were rated as having poor mucosal apposition (10% GST vs 24% Tri-Staple). <sup>4</sup> The ECHELON FLEX™ GST System was designed and tested to meet rigorous design requirements for staple line integrity. The GST System accommodates a tissue thickness range of 1.0mm to 4.0mm (measured at 8g/mm<sup>2</sup>; tissue comfortably compressed to closed staple height during firing per IFU) while the Medtronic Tri-Staple™ portfolio is intended for a tissue thickness range of 0.75mm to 3.0mm (per IFU & materials downloaded from Medtronic website on Nov 16, 2016). <sup>5</sup> Benchtop testing of GST (PCEE60A & GST60G) vs. EndoWrist™ (410298 & 41445G) on excised porcine stomach that measured overall non-B staple form quality at 3.3mm tissue thickness. Compromised staple line integrity defined as groups of malformed staples that could potentially allow fluid to pass to the cut line. Lower occurrence of compromised staple line integrity (p=0.006), fewer malformed staples (p<0.001).

# Product components


- ECHELON FLEX™ Powered Plus Stapler and ECHELON™ ENDOPATH Reloads with GST; in both 45mm and 60mm
- The reloads can be used across the entire platform of ECHELON ENDOPATH™ Staplers



## ECHELON FLEX™ GST System

CODE	DESCRIPTION	JAW LENGTH	QUANTITY PER SALES UNIT
PCEE45A PCEE60A	Compact Articulating Endoscopic Linear Cutter,* 280mm	45mm 60mm	3
PSEE45A PSEE60A	Standard Articulating Endoscopic Linear Cutter,* 340mm	45mm 60mm	3
PLEE45A PLEE60A	Long Articulating Endoscopic Linear Cutter,* 440mm	45mm 60mm	3

\*Instrument does not contain a reload.



CODE	COLOR	DESCRIPTION	OPEN STAPLE HEIGHT	CLOSED STAPLE HEIGHT	QUANTITY PER SALES UNIT
GST45W GST60W	White	White reload intended for use in vascular/thin tissue	2.6mm	1.0mm	12
GST45B GST60B	Blue	Blue reload intended for use in regular tissue	3.6mm	1.5mm	12
GST45D GST60D	Gold	Gold reload intended for use in regular/thick tissue	3.8mm	1.8mm	12
GST45G GST60G	Green	Green reload intended for use in thick tissue	4.1mm	2.0mm	12
<b>GST45T</b> GST60T	Black	Black reload intended for use in very thick tissue	4.2mm	2.3mm	12

Black  
45mm reload

## How to order

All purchase orders are made to Johnson & Johnson Health Care Systems, Inc. (JJHCS).

If you want to order direct, you may order electronically (online) at:

- <https://us.jjcustomerconnect.com> or 1-866-565-4283
- Electronic Data Interchange (EDI)—EDI Helpline: 1-800-262-2888

Or, to place a non-electric (manual) order, contact Johnson & Johnson Health Care Systems Inc. at 1-800-255-2500 between 8:30am - 6:30pm (Eastern Standard Time) or fax us at 1-732-562-2212.

## Customer support

For product use assistance, clinical guidelines, service and repair, emergency assistance, copy of a 510(k) clearance letter, or complaints, please contact our Customer Support Center by calling 877-ETHICON (384-4266). Our support center is staffed 24 hours a day, 7 days a week by qualified nurses to answer your product-related questions.

**A better way to staple.**

Visit [www.ethicon.com/gst](http://www.ethicon.com/gst) for more information about the ECHELON FLEX™ GST System.

For complete product details, see Instructions for Use in the product insert.

<sup>6</sup> Based on acute and long term evaluations in animate porcine stomach, bowel, lung and vasculature. Visual comparisons of 10-20 second clamp and release and full firing staple lines immediately following, 1hr after clamping, 14 days post op and at necropsy, as well as histological evaluation at 14 days post op, revealed no additional clinically relevant trauma to the tissues.