Mastering movement. To transect as you intend.

ECHELON FLEX™ GST System
Precise performance. Even in challenging tissue.

Increasingly complex patient variables leave very little margin for error when stapling laparoscopically or robotically. Unfortunately, challenging tissue—thick, thin, fragile and varying—can lead to tissue movement between the jaws of the endocutter affecting the results of an intended transection.

This tissue movement or slippage during firing can have consequences which may call into question the integrity of the staple line. Tissue movement can result in exposed tissue layers, poorly formed and spaced staples, and extra firings.

**Tissue movement can result in:**

Greater tissue movement when stapling creates exposed submucosal layers more often.

Tissue movement or slippage during firing can result in poorly formed and spaced staples.

Extra firings may be required to complete the intended tissue transection as tissue is pushed or “milked” out of the end of the stapler.

**Surgical stapling intentions**

- **Bariatric:** Staple line integrity on thick gastric tissue while minimizing variables that may lead to leaks

- **Thoracic:** Staple line integrity on highly variable lung parenchyma thickness, which ranges from fragile and friable to dense and fibrotic

- **Colorectal:** Staple line integrity with minimal firings across varying tissue thickness in colon and rectum
Transect as you intend

The ECHELON FLEX™ GST System¹ 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 firing² for the most precise transection compared to Endo GIA™ Reloads with Tri-Staple™ Technology

- **7x more likely to fully capture mucosa** in the staple line³ compared to Endo GIA™ Reloads with Tri-Staple™ Technology

Transect as intended

- **Exceptional staple line integrity across the broadest range** of tissue thicknesses⁴

- In thick tissue testing, **no occurrences of compromised staple line integrity** compared to 43% with EndoWrist® Stapler 45 due to 3x fewer malformed staples⁵

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.

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ECHELON FLEX™ GST System

Black 45mm reload

45mm

60mm
Control and capture tissue

Control tissue slippage

The ECHELON FLEX™ GST System is uniquely designed for better grip\(^7\) to provide the least tissue slippage of any leading endocutter\(^8\) for the most precise transection. On each reload, the proprietary Gripping Surface Technology provides a superior tissue grip\(^7\) without additional trauma during firing\(^6\). This means you can transect more of the tissue\(^9\) you intended—especially in very thick tissue—with each firing.

4x less tissue slippage during firing\(^2\)

For the most precise transection

![Graph showing less tissue slippage across different tissue thicknesses](image)

Less tissue slippage

Across a range of tissue thicknesses\(^*\)

Better mucosal capture improves leak resistance

The ECHELON FLEX™ GST System is 7 times more likely to fully capture mucosa in the staple line\(^3\). Better mucosal capture improves staple line integrity and leak resistance and provides optimal conditions for tissue healing\(^10\). By controlling tissue movement, the ECHELON FLEX™ GST System more consistently captures both layers of mucosa in the staple line.

7 times more likely to fully capture mucosa

Both layers of the mucosa captured in the staple line.
Both sides of mucosa captured.

![Graph showing mucosal capture](image)

Evaluating mucosal capture

Preclinical animal study comparing compression damage, mucosal injury and mucosal capture on varying thicknesses of porcine gastrointestinal tissues utilizing a 5-point Likert scale\(^11\).
Unsurpassed staple performance

Exceptional staple formation

Experience closed staple height formation reliability across the broadest range of tissue thicknesses in each reload. This surgeon-controlled stapling system accomplishes this with a proprietary combination of multi-stage compression, powered firing and Gripping Surface Technology, including stronger internal reload components and redesigned staple geometry to mitigate the amount and effect of tissue slippage during firing.

Superior thick tissue performance for robotic procedures

The ECHELON FLEX™ GST System delivers superior staple line integrity in robotic procedures. In thick tissue testing, EndoWrist® Stapler 45 required multiple clamp attempts, produced 3x more malformed staples and had a significantly higher occurrence of compromised staple line integrity.

![Graph showing Reliable staple formation Across the broadest range of tissue thickness](image)

* GST – Porcine tissue thickness measured at 8g/mm² prior to firing, tissue comfortably compressed to closed staple height during firing per IFU
† EndoGIA – Intended tissue thickness range per manufacturer IFU

![Graph showing Thick tissue performance you can trust](image)
ECHELON FLEX™ GST System

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

<table>
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<th>CODE</th>
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<th>CLOSED STAPLE HEIGHT</th>
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1. Instrument does not contain a reload.

**How to order**

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

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 1-800-259-2500 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 (884-4266). 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 for more information about the ECHELON FLEX™ GST System.

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

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