

# Reduced risk factors for leaks<sup>1</sup>

with the improved ECHELON CONTOUR™ Curved Cutter

**Gentler tissue handling** and a **strong staple line**  
without compromising healing<sup>2</sup>



## GST

**Gripping Surface  
Technology  
(GST) delivered:**

Significantly less compressive  
forces on tissue resulting in  
37% less tissue damage<sup>2</sup>

## 3D

**3D Stapling Technology  
designed with offset  
closure of the staple legs:**

Evenly distributed compression  
throughout the staple line and  
reduced potential leak pathways<sup>3</sup>

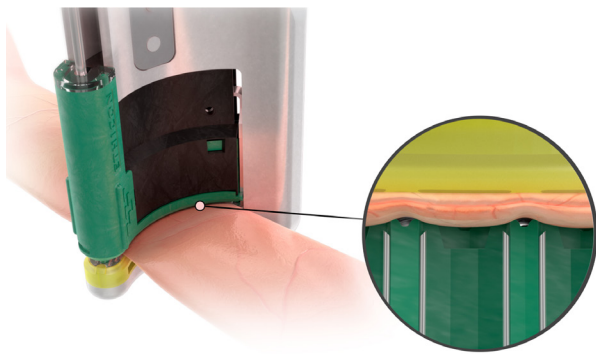


**Same deep pelvic access** you depend on from  
the original CONTOUR™ Curved Cutter<sup>4</sup>

<sup>1</sup> Risk factors for leaks include the following: tissue trauma and a staple line with uneven compression. Benchtop testing on porcine colon comparing mean mucosal capture of 46.3% (n=30) for Echelon Contour to 74.46% (n=30) for Contour (p<0.05). Finite element-based computational simulations (FEA) on simulated porcine tissue measuring tissue compression after approximation and staple formation, comparing average standard deviation of 5.481 for 2D staples to 5.109 for 3D staples (n=37, p<0.05). (130579-200113) <sup>2</sup> Benchtop testing in porcine colon comparing mean compression load of 22.35 lbf (n=32) for ECHELON CONTOUR to 32.56 lbf (n=30) for CONTOUR (p<0.05) and comparing mean mucosal damage of 46.3% (n=30) for Echelon Contour to 74.46% (n=30) for Contour (p<0.05). (130577-220204) <sup>3</sup> Finite element-based computational simulations (FEA) on simulated porcine tissue measuring tissue compression after approximation and staple formation, comparing the area of maximum differentiation in standard deviation of 6.856 for 2D staples (n=1373) to 4.051 for 3D staples (n=1418) (P : Bonnett = 0.000 / Levene = 0.000) and the area of maximum differentiation in standard deviation of 5.267 for 2D staples (n=2984) to 3.968 for 3D staples (n=2995) (P : Bonnett = 0.001 / Levene = 0.016). (133427-200226) <sup>4</sup> Unique curved head design gives low pelvic access and enhanced visibility of anatomic structures. (133984-200304)

# Featuring GST and 3D Stapling Technology designed to **reduce the risk factors for leaks**<sup>1</sup>

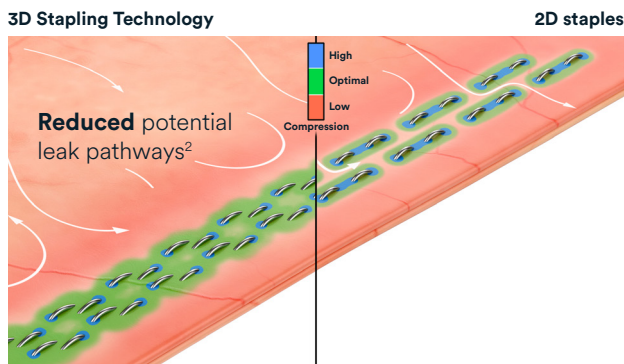
**Stapling deep within the pelvis presents clinical challenges.** It can be difficult to achieve good staple formation, due to access and varying tissue conditions, and this may result in leakage. The updated ECHELON CONTOUR™ Curved Cutter is designed to reduce risk factors for leaks with:



## **Less tissue trauma and compressive forces on tissue**<sup>2</sup>

Atraumatic GST, a proprietary ridged surface, precisely compresses tissue only where needed for:

- **31% reduced compressive forces on tissue** compared to legacy stapling technology<sup>2\*</sup>
- **37% less tissue trauma** compared to legacy stapling technology<sup>2\*</sup>



## **More evenly distributed compression**<sup>3</sup>

With a gentler curved design, 3D Stapling Technology:

- **Minimized high stress points** throughout the staple line<sup>3</sup>
- **Evenly distributed compression** throughout the staple line<sup>3</sup>
- **Reduced potential leak pathways**<sup>3</sup>



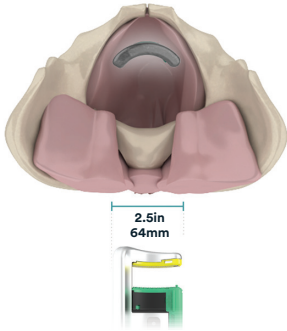
## **GST and 3D Stapling Technology: Working together to help reduce the risk factors for leaks**<sup>1</sup>

\*Compared to ECHELON CONTOUR™ Curved Cutter

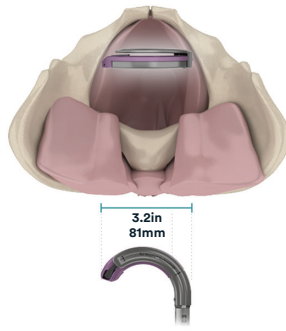
<sup>1</sup> Risk factors for leaks include the following: tissue trauma and a staple line with uneven compression. Benchtop testing on porcine colon comparing mean mucosal capture of 46.3% (n=30) for Echelon Contour to 74.46% (n=30) for Contour (p<0.05). Finite element-based computational simulations (FEA) on simulated porcine tissue measuring tissue compression after approximation and staple formation, comparing average standard deviation of 5.481 for 2D staples to 5.109 for 3D staples (n=37, p<0.05). (130579-200113) <sup>2</sup> Benchtop testing in porcine colon comparing mean compression load of 22.35 lbf (n=32) for ECHELON CONTOUR to 32.56 lbf (n=30) for CONTOUR (p<0.05) and comparing mean mucosal damage of 46.3% (n=30) for Echelon Contour to 74.46% (n=30) for Contour (p<0.05). (130577-220204) <sup>3</sup> Finite element-based computational simulations (FEA) on simulated porcine tissue measuring tissue compression after approximation and staple formation, comparing the area of maximum differentiation in standard deviation of 6.856 for 2D staples (n=1373) to 4.051 for 3D staples (n=1418) (P : Bonnett = 0.000 / Levene = 0.000) and the area of maximum differentiation in standard deviation of 5.267 for 2D staples (n=2984) to 3.968 for 3D staples (n=2995) (P : Bonnett = 0.001 / Levene = 0.016). (133427-200226)

# Designed for **improved usability and performance** in challenging tissue and tight spaces

**ECHELON CONTOUR™  
Curved Cutter**



**Radial Reload with  
Tri-Staple™ Technology**



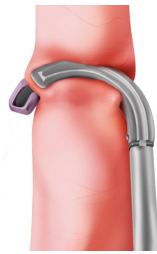
## Low pelvic access with enhanced visibility<sup>1</sup>

- **21% smaller head width** than radial reload<sup>2</sup>
- Designed for **increased visibility** and optimal use in the narrower, male pelvis<sup>1</sup>

**ECHELON CONTOUR™  
Curved Cutter**

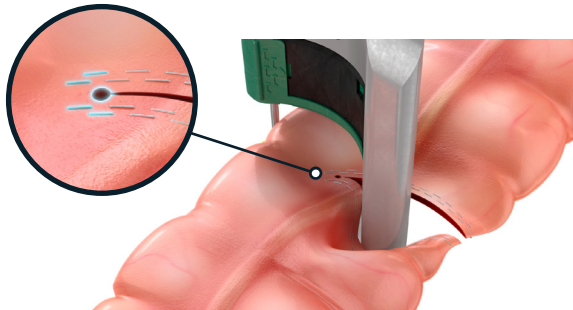


**Radial Reload with  
Tri-Staple™ Technology**



## Less tissue slippage vs. radial reload<sup>3</sup>

- Produced **9.1mm less tissue slippage** during firing<sup>3</sup>
- Delivered a **more precise transection**<sup>3</sup>
- **May eliminate one reload** per procedure<sup>3</sup>



## Indicated for up to six firings

- **Reloadable** when you need multiple firings to complete a single transection
- Knife extends to the tissue retaining pin, and **staple line extends beyond the pin**
- **Helps avoid overloading of tissue** in the jaws of the device

## Key design improvements\*



**59%** better staple height consistency<sup>4</sup>



Up to  
**14%** reduced force to close<sup>5</sup>

\*Compared to ECHELON CONTOUR™ Curved Cutter

<sup>1</sup> Unique curved head design gives low pelvic access and enhanced visibility of anatomic structures. (133984-200304) <sup>2</sup> ECHELON CONTOUR™ Curved Cutter Stapler, head width, 2.53 in compared to ENDO GIA Radial Reload with Tri-Staple™ Technology, head width, 3.22 in. (133983-200304) <sup>3</sup> Benchtop testing measuring change in cutline length, comparing means of 15.3mm for Radial Reload to 6.20mm for Echelon Contour (n=15, p<0.05). (130584-200113) <sup>4</sup> Benchtop testing in porcine colon measuring variance in max staple height and number of staple line integrity failures. Comparing average variance of .00001491mm<sup>2</sup> and .00001401mm<sup>2</sup> (n=32) for Contour to .00000758mm<sup>2</sup> and .00000575mm<sup>2</sup> (n=32) for Echelon Contour. Comparing number of failed devices of 2 (n=32) for Echelon Contour to 2 (n=32) for Contour. (131021-220119) <sup>5</sup> Benchtop testing measuring force to close in thick tissue comparing means of 35.02 lbf (n=32) for Echelon Contour (blue cartridge) to 40.57 lbf (n=32) for Contour (p<0.05). (130582-200113)

# Ordering information



## ECHELON CONTOUR™ Curved Cutter

Catalog #	Description	Tissue	Staple rows	Cut line length	Staple line length	Max firings	Qty
GCS40B	ECHELON CONTOUR™ Curved Cutter with Blue Reload 40mm	Standard	4	40mm	51mm	6	3
GCS40G	ECHELON CONTOUR™ Curved Cutter with Green Reload 40mm	Thick	4	40mm	51mm	6	3



## ECHELON CONTOUR™ GST Reload

Catalog #	Description	Tissue	Closed staple height	Open staple height	Wire diameter	Qty
GCR40B	ECHELON CONTOUR™ GST Reload Blue	Standard	1.5mm	3.5mm	0.20mm	6
GCR40G	ECHELON CONTOUR™ GST Reload Green	Thick	2.0mm	4.7mm	0.23mm	6

### 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) Helpline: 1-800-262-2888**

Or, to place a non-electronic (manual) order, contact Johnson & Johnson Health Care Systems Inc. at 1-800-255-2500 between 8:30 a.m. and 6:30 p.m. (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 **1-877-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.

For more information, visit: [ethicon.com/EchelonContour](https://ethicon.com/EchelonContour)