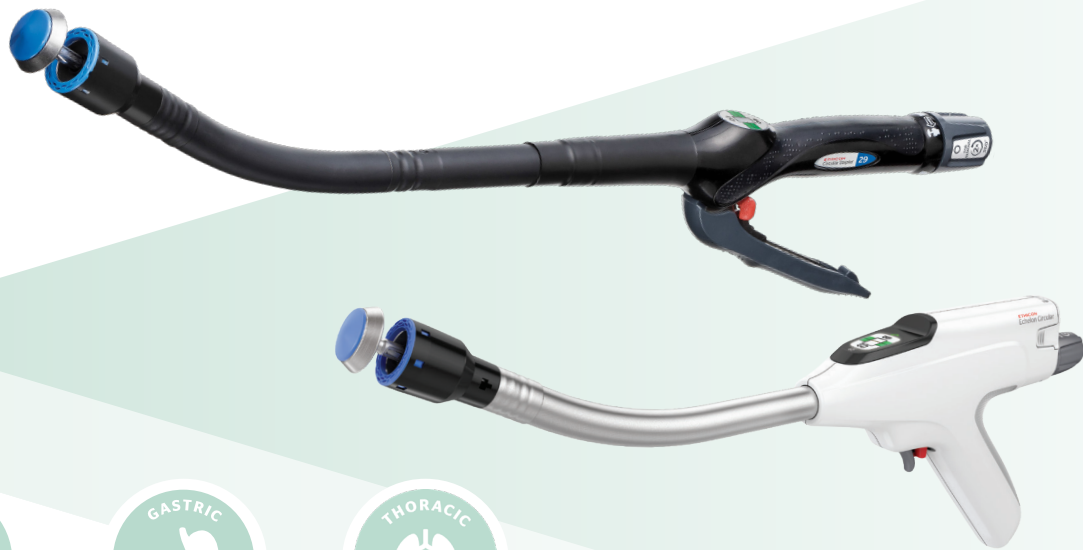


Explore the expanded Ethicon Circular Stapling portfolio

The Ethicon Circular Stapling portfolio offers you surgical solutions for specific needs in colorectal, gastric and thoracic surgery. In fact, Ethicon Circular Staplers are **used in more colorectal procedures than any other circular stapler**.¹ The enhanced portfolio includes the ECHELON CIRCULAR™ Powered Stapler, **featuring innovative technologies that have revolutionized circular stapling**, and the refreshed ETHICON™ Circular Stapler.



Colon resection



Gastrectomy
Gastric bypass



Esophagectomy

2 technologies only in the ECHELON CIRCULAR™ Powered Stapler

The ECHELON CIRCULAR Powered Stapler is designed to reduce leaks without compromising perfusion—resulting in **61% fewer leaks at the staple line**.²



- **3D Stapling Technology** evenly distributes compression³
- **Gripping Surface Technology** provides gentler handling with a 33% reduction in compressive forces on tissue⁴

Built on a powered firing platform, the ECHELON CIRCULAR Powered Stapler has **37% less movement** at the distal tip for increased stability.⁵

ECHELON CIRCULAR Powered Stapler claims compared to Medtronic DST Series™ EEA™ Stapler

¹ US DRG dollar share data from 2014-2015 for circular stapler product codes. ² Benchtop testing in porcine tissue ≤ 30 mmHg (26mmHg average pressure experienced during intra-operative leak test), comparing Ethicon CDH29P to Medtronic EEA2835 ($p < 0.001$) and preclinical perfusion model, in which perfusion was not significantly different between devices. ³ Staple line analysis in benchtop testing, comparing Ethicon CDH25P to Medtronic EEA2535. ⁴ Benchtop testing on porcine colon, comparing Ethicon CDH29P to Medtronic EEA2835, $p < 0.001$. ⁵ Users firing in a porcine model, comparing Ethicon CDH29P to Medtronic EEA2835, $p = 0.003$.

The Ethicon Circular Stapling portfolio is designed to deliver the desired compression for a strong anastomosis.

Less tension on tissue during closure and opening

- Continuously smooth anvil shaft creates less excess tissue draw during anvil closure^{1,2}
- Fixed anvil design causes less tension on the anastomosis with less strain on the staple line during opening^{3,4}

More device feedback when firing


- Breakaway washer provides more tactile feedback^{5,6} and more audible feedback^{7,8}


Controlled tissue compression and adjustable height staple technology

- Adjustable compression staplers resulted in significantly less tissue damage compared to fixed compression staplers.⁹
- Precompression before firing significantly reduced the anastomotic leak rate.¹⁰

ECHELON CIRCULAR Powered Stapler claims compared to Medtronic DST Series™ EEA™ Stapler

A circular stapling portfolio to meet a variety of surgical needs

ECHELON CIRCULAR™ Powered Stapler	SPECIAL FEATURES	DIAMETER					
	<ul style="list-style-type: none"> • 3D Stapling Technology and Gripping Surface Technology • Powered platform • Controlled tissue compression • Adjustable Height Staple Technology 	21	23	25	29	31	33
			CDH23P	CDH25P	CDH29P	CDH31P	

ETHICON™ Circular Stapler, XL Sealed	SPECIAL FEATURES	DIAMETER					
	<ul style="list-style-type: none"> • Controlled tissue compression • Adjustable Height Staple Technology 	21	23	25	29	31	33
		ECS21B		ECS25B	ECS29B		ECS33B

Learn more about the Ethicon Circular Stapling portfolio at ethicon.com or contact your Ethicon sales representative.

1 Benchtop testing on porcine jejunum, comparing mean tissue draw during anvil closing of the Ethicon CDH25P and Medtronic EEA2535. 0.01cm vs 1.762cm, p=0.001. **2** Benchtop testing on porcine jejunum. Comparing mean tissue draw during anvil closing of the Ethicon Circular Stapler (CDH25A) and the DST Series EEA circular stapler (EEA2535). 0.437cm vs 1.708cm, p<0.05. **3** Benchtop testing on porcine jejunum, comparing mean tissue stretch during anvil opening after firing of the Ethicon CDH25P and the Medtronic EEA2535. 1.148cm vs 1.832cm, p=0.012. **4** Benchtop testing on porcine jejunum. Comparing mean tissue stretch during anvil opening after firing of the Ethicon Circular Stapler (CDH25A) and the DST Series EEA circular stapler (EEA2535). 1.558cm vs 2.228cm, p<0.05. **5** Benchtop testing comparing average vibration measured as mean vectorial acceleration during firing. CDH 16.58 m/s² vs. EEA 3.20 m/s². **6** Benchtop testing comparing average vibration measured as mean vectorial acceleration during firing. ECHELON CIRCULAR 4.19 m/s² vs. EEA 3.20 m/s². **7** Benchtop testing comparing mean peak sound intensity during firing. CDH 109.80 dB(linear) vs. EEA 95.27 dB(linear). **8** Benchtop testing comparing mean peak sound intensity during firing. ECHELON CIRCULAR 111.75 dB(linear) vs. EEA 95.27 dB(linear). **9** In-vitro collagen tissue model with Ethicon Circular Staplers, 19 out of 232 collagen tissues exhibited unacceptable tissue damage with adjustable compression (CDH29A), vs. 29 out of 88 with Medtronic fixed compression (EEA28MT). **10** In retrospective clinical study with Ethicon Circular Staplers (CDH21A, CDH25A, CDH29A, CDH33A), 11 out of 126 patients with precompression had AL (8.7% leak rate) vs. 8 out of 28 patients (28.6%) in non-precompression group; P=0.008