

# Ethicon Intraluminal Circular Stapler (ILS)



**Confidence Through Compression.**  
RESPECTING LIVING TISSUE.

**ETHICON**  
PART OF THE *Johnson & Johnson* FAMILY OF COMPANIES

Shaping  
the future  
of surgery

# Confidence With Adjustable Compression

## Focusing on Patient Outcomes

The Ethicon Circular Stapler combines the benefits of Controlled Tissue Compression and Adjustable Height Staple technology to give you greater control and flexibility, so you can address the individual needs of each patient.

## Controlled Tissue Compression

Tissue compression prior to stapling is required with all surgical stapling devices to reliably deliver a staple line with proper staple formation. The optimal amount of compression is variable and is affected by multiple factors such as the type, condition and thickness of targeted tissue.

To help address tissue variability, the Ethicon Circular Stapler approaches tissue compression very differently from other circular staplers.

Circular staplers with fixed-height staples require you to compress tissue to a predetermined gap regardless of tissue characteristics. Whereas, the Ethicon Circular Stapler, with Adjustable Height Staples, allows you to control the amount of compression applied to tissue depending on the clinical situation to accommodate the widest range of compressed tissue thickness from 1.0 to 2.5mm.

This allows the surgeon to control the compression based on tissue thickness, to achieve desirable staple height. Appropriate compression may be associated with a stronger staple line and successful anastomosis with decreased risk of stenosis, leaks and hemorrhage.<sup>1, 2, 3</sup>

### Tissue Compression Scale

Markings in the green range correspond to the following compressed tissue thicknesses:

2.5mm  
2.0mm  
1.5mm  
1.0mm



Firing in the green range delivers a closed staple height appropriate for compressed tissue thickness (between 1.0mm and 2.5mm).

1. Myers S, Rothermel W, Shaffer L. The effect of tissue compression on circular staple line failure. Surg Endosc. 2011 25(9): 3043-3049. 2. Hanna K, Seder C, Chengelis D, et al. Shorter circular staple height is associated with lower anastomotic stricture rate in laproscopic gastric bypass. Surgery for Obesity and Related Diseases 2012 8(2): 181-184. 3. Sakran N, Assalia A, Sternberg A, et al. Smaller staple height for circular stapled gastrojejunostomy in laproscopic gastric bypass: Early results in 1,074 Morbidly Obese Patients. Obes Surg 21(2): 238-243. 4. www.covidien.com Accessed 12/01/14.