360-DEGREE STAPLE LINE SECURITY.
FOR ALL AROUND CONFIDENCE.

EEA™ Circular Stapler with Tri-Staple™ Technology
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SECURITY MATTERS

EEA™ Circular Stapler with Tri-Staple™ Technology

Anastomotic leaks are bad for patients — and for your hospital.

6.2% colorectal leak rate\(^{1,\dagger}\)

$28,597 average cost per leak\(^{1,\dagger}\)

>162,000 annual global leaks\(^2\)

>4.6B annual hospital cost\(^2\)

\(^{\dagger}\)Based on U.S. data.
MORE ROWS OF STAPLES. MORE SECURITY.

Secure staple lines. You count on them. So do your patients.

That’s why we’ve given our EEA™ circular stapler the advantages of Tri-Staple™ technology. Now you can have:

- Three rows of varied height staples for 30 percent more security compared to two-row staplers\textsuperscript{3–5,†,‡}
- Consistent performance over a broad range of tissue\textsuperscript{6–8}
- A sloped cartridge face for less stress on tissue during compression and clamping compared to flat cartridge faces\textsuperscript{6,11}
- Improved audible and tactile feedback\textsuperscript{3,1,§}
- Potentially greater perfusion into the staple line vs. two row flat cartridge circular staplers\textsuperscript{10,12,†}

\textsuperscript{†}Preclinical results may not correlate with clinical performance in humans.
\textsuperscript{‡}Based on the addition of a third row of staples in the EEA™ circular stapler with Tri-Staple™ technology, as compared to predicate two-row device designs.
\textsuperscript{§}16 out of 19 surgeons surveyed agreed.
\textsuperscript{Ω}Finite element analysis (FEA) was used to determine the strain profiles of three circular staplers during clamp-up. The EEA™ circular stapler with Tri-Staple™ technology demonstrated a graduated compression profile upon clamping.
Sloped cartridge face

Three rows of varied height staples

Sloped cartridge face

Tilt-top™ anvil facilitates removal

Better audible and tactile feedback

Same inner and outer lumen diameters as circular staplers with DST Series™ technology

Includes 30% more staples in the staplers of the same lumen diameters

†Compared to two-row circular staplers.
‡16 out of 19 surgeons surveyed agreed.
A LEGACY REDEFINED.

EEA™ Circular Stapler with Tri-Staple™ Technology

Lipless design

Stronger tilt spring

Tapered surface to enhance ability to tilt

Grasping notch

Diameter size designation (the anvil tilts toward this label)

Smooth transition between anvil and trocar

EEA™ Circular Stapler with DST Series™ Technology

Lip

Purse-string notch

Tissue donut can get trapped and prevent tilting

Grasping notch

No diameter size designation

Stepped transition between anvil and trocar
The EEA™ circular stapler with Tri-Staple™ technology has:

- **3 ROWS** of varied height staples

The Ethicon™ ILS circular stapler and the EEA™ stapler with DST Series™ technology have:

- **2 ROWS** of staples

The EEA™ circular stapler with Tri-Staple™ technology has a sloped cartridge face.

The EEA™ stapler with DST Series™ technology and the Ethicon™ ILS stapler each have a flat cartridge face.

**KEY**

- SLOped CARTRIDGE FACE
- FLAT CARTRIDGE FACE

**30% MORE SECURITY**

at the staple line during the critical healing period

**33.3% REDUCTION**

in firing force vs. circular staplers with DST Series™ technology

**60% REDUCTION**

in firing force vs. the Ethicon™ ILS circular stapler

**MORE CONSISTENT AUDIBLE FEEDBACK**

Compared to two-row circular staplers. Preclinical results may not correlate with clinical performance in humans. Finite element analysis (FEA) was used to determine the strain profiles of three circular staplers during clamp-up. The EEA™ circular stapler with Tri-Staple™ technology demonstrated a graduated compression profile upon clamping.
Remove anvil and trocar tip(s).

If the white trocar accessory is desired, it can be attached to the hollow shaft on Tilt-top™ anvil/central rod assembly and removed after usage by depressing the black release button.

Insert anvil.

Tighten Purstring™ around Purstring™ notch.

Extend trocar. Orange band must be visible.

Attach anvil to trocar.

Tilt-top™ anvil must click in its fully seated position and orange band must be completely covered.

Fully tighten with twist knob until the green bar is visible in the indicator window.
FIRE

Ready to fire indicator. The green bar must be visible in the indicator window before releasing the safety lever and firing.

Flip the red safety lever.

Handle must be fully squeezed until it comes in contact with instrument body.

“Click”

“Crunch”

OPEN

Red safety needs to be reset for proper opening.

“Click”

Rotate twist knob two full turns counterclockwise, stopping when a click is heard.

Inspect tissue specimens.

IMPORTANT: Please refer to the package insert for complete instructions, contraindications, warnings, and precautions.
STAPLE HEIGHT RECOMMENDATIONS

EEA™ circular stapler with Tri-Staple™ technology

If you normally use a 4.8 mm green thick tissue circular stapler, or larger, for anastomosis, then you should consider converting to the black extra-thick† EEA™ circular stapler with Tri-Staple™ technology. The black stapler provides an approximate staple height of 4.0 mm, 4.5 mm, and 5.0 mm.

If you normally use a 4.8 mm green thick tissue circular stapler, or larger, for anastomosis, but the patient’s tissue seems thinner than the indicated range, you should consider converting to the purple medium/thick EEA™ circular stapler with Tri-Staple™ technology. The purple stapler provides an approximate staple height of 3.0 mm, 3.5 mm, and 4.0 mm.

If a black extra-thick† EEA™ circular stapler with Tri-Staple™ technology is not available, and the tissue exceeds the indicated range of either a 3.5 mm blue circular stapler or the purple medium/thick circular stapler, then you should consider using a 4.8 mm green thick tissue circular stapler with DST™ series technology.

†Pending 510(k). Not available for sale in the United States.
## ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Reorder Code</th>
<th>Product Description</th>
<th>Color</th>
<th>Staple Size (Inner to Outer Row)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRIE28MT</td>
<td>EEA™ Circular Stapler with Tri-Staple™ Technology 28 mm Medium/Thick</td>
<td>Purple</td>
<td>3.0 mm, 3.5 mm, 4.0 mm</td>
</tr>
<tr>
<td>TRIE28XT</td>
<td>Black EEA™ Circular Stapler with Tri-Staple™ Technology 28 mm Extra Thick†</td>
<td>Black</td>
<td>4.0 mm, 4.5 mm, 5.0 mm</td>
</tr>
<tr>
<td>TRIE31MT</td>
<td>EEA™ Circular Stapler with Tri-Staple™ Technology 31 mm Medium/Thick</td>
<td>Purple</td>
<td>3.0 mm, 3.5 mm, 4.0 mm</td>
</tr>
<tr>
<td>TRIE31XT</td>
<td>Black EEA™ Circular Stapler with Tri-Staple™ Technology 31 mm Extra Thick†</td>
<td>Black</td>
<td>4.0 mm, 4.5 mm, 5.0 mm</td>
</tr>
<tr>
<td>TRIEXL33MT</td>
<td>EEA™ Circular Stapler XL Length with Tri-Staple™ Technology 33 mm Medium/Thick</td>
<td>Purple</td>
<td>3.0 mm, 3.5 mm, 4.0 mm</td>
</tr>
<tr>
<td>TRIEXL33XT</td>
<td>Black EEA™ Circular Stapler XL Length with Tri-Staple™ Technology 33 mm Extra Thick†</td>
<td>Black</td>
<td>4.0 mm, 4.5 mm, 5.0 mm</td>
</tr>
</tbody>
</table>

We recommend always stocking both purple medium/thick and black extra-thick staplers so the surgeon can make the appropriate staple height decision in the case. If a black extra-thick stapler is not available, we suggest stocking the 4.8 mm green thick tissue EEA™ circular stapler with DST™ series technology.

<table>
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<th>Staple Size (Inner to Outer Row)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEA31</td>
<td>EEA™ Stapler with DST Series™ Technology 31 mm Single Use Stapler</td>
<td>Green</td>
<td>4.8 mm</td>
</tr>
<tr>
<td>EEAXL31</td>
<td>EEA™ Stapler with DST Series™ Technology XL 31 mm Single Use Stapler</td>
<td>Green</td>
<td>4.8 mm</td>
</tr>
</tbody>
</table>

†Pending 510(k). Not available for sale in the United States.
Call your sales representative for more information about the EEA™ circular stapler with Tri-Staple™ technology.

Visit us at medtronic.com/covidien

The black EEA™ circular stapler with Tri-Staple™ technology is pending 510(k).
It is not available for sale in the United States.

†Compared to two-row circular staplers.
‡Preclinical results may not correlate with clinical performance in humans.
§Finite element analysis (FEA) was used to determine the strain profiles of three circular staplers during clamp-up. The EEA™ circular stapler with Tri-Staple™ technology demonstrated a graduated compression profile upon clamping.

2. Based on internal analysis of MICI marker model for colorectal procedures multiplied by leak rate and average cost.
13. Based on the text, the use of the language “EEA™ circular stapler with Tri-Staple™ technology has 30 percent more staples in the staplers of the same lumen diameters as compared to two row circular staplers” in marketing materials (memorandum). North Haven, CT: Medtronic. June 4, 2017.

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