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\(^1\)†

$28,597 average cost per leak\(^1\)‡

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

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

\(^1\)Based on U.S. data

\(^2\)Estimated
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
- Consistent performance over a broad range of tissue
- A sloped cartridge face for less stress on tissue during compression and clamping compared to flat cartridge faces
- Improved audible and tactile feedback
- Potentially greater perfusion into the staple line vs. two row flat cartridge circular staplers

† Preclinical results may not correlate with clinical performance in humans.
‡ 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.
§ Refers to the healing period (generally through day 28) that was evaluated in multiple preclinical (canine) survival studies designed to assess device safety and efficacy.
Ω 16 out of 19 surgeons surveyed agreed.
†† 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.
**EASIER TO FIRE. EASIER TO HEAR AND FEEL WHEN YOU DO.**

- **Sloped cartridge face**
- **Tilt-top™ anvil facilitates removal**
- **Three rows of varied height staples**
- **Same inner and outer lumen diameters as circular staplers with DST Series™ technology**
- **Better audible and tactile feedback**

Includes 30% more staples in the staplers of the same lumen diameters\(^\text{†,‡}\)

\(^\text{†}\) Compared to two-row circular staplers.
\(^\text{‡}\) 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
- Purse-string notch
- Grasping notch
- Smooth transition between anvil and trocar
- Diameter size designation (the anvil tilts toward this label)

**EEA™ Circular Stapler with DST Series™ Technology**

- Lip
- Purse-string notch
- Grasping notch
- Tissue donut can get trapped and prevent tilting
- 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 EEA™ stapler with DST Series™ technology and the Ethicon™ ILS stapler 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 have a flat cartridge face.

Compared to two-row circular staplers, the EEA™ device with Tri-Staple™ technology provides:

- **30% MORE SECURITY** at the staple line during the critical healing period

- **14% REDUCTION** in firing force vs. circular staplers with DST Series™ technology

The sloped cartridge face of Tri-Staple™ technology delivers less stress on tissue compared to flat-faced cartridges like the Ethicon™ ILS stapler during compression and clamping.

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† 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.

‡ Refers to the healing period (generally through day 28) that was evaluated in multiple preclinical (canine) survival studies designed to assess device safety and efficacy.

§ Preclinical results may not correlate with clinical performance in humans.

Ω Compared to two-row circular staplers. § Preclinical results may not correlate with clinical performance in humans.
IN-SERVICE GUIDE

DETACH

Detach the yellow shipping wedge. 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.

SETUP

Insert anvil. Tighten Purstring™ around Purstring™ notch. Extend trocar. Orange band must be visible.

CLOSE

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.

**OPEN**

Red safety needs to be reset for proper opening.

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.
<table>
<thead>
<tr>
<th>Reorder Code</th>
<th>Product Description</th>
<th>Color</th>
<th>Staple Size (Inner to Outer Row)</th>
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<tbody>
<tr>
<td>TRIEEA28MT</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>TRIEEA28XT</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>TRIEEA31MT</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>TRIEEA31XT</td>
<td>Black EEA™ Circular Stapler with Tri-Staple™ Technology 31 mm Extra Thick†</td>
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<tr>
<td>TRIEEAXL33MT</td>
<td>EEA™ Circular Stapler XL Length with Tri-Staple™ Technology 33 mm Medium/Thick</td>
<td>Purple</td>
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<tr>
<td>TRIEEAXL33XT</td>
<td>Black EEA™ Circular Stapler XL Length with Tri-Staple™ Technology 33 mm Extra Thick†</td>
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EC Certificate

Full Quality Assurance System
Directive 93/42/EEC on Medical Devices (MDD), Annex II excluding (4)
(Devices in Class IIa, IIb or III)
No. G1 088795 0027 Rev. 00

Manufacturer: Covidien LLC
15 Hampshire Street
Mansfield MA 02048
USA

EC-Representative: Covidien Ireland Limited
IDA Business and Technology Park, Tallaght, IRELAND

Product Category(ies): Disposable Airway Management Devices,
Electrosurgical Electrodes,
Circular Staplers

The Certification Body of TÜV SÜD Product Service GmbH declares that the aforementioned manufacturer has implemented a quality assurance system for design, manufacture and final inspection of the respective devices / device categories in accordance with MDD Annex II. This quality assurance system conforms to the requirements of this Directive and is subject to periodical surveillance. For marketing of class III devices an additional Annex II (4) certificate is mandatory. See also notes overleaf.

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Valid from: 2019-07-25
Valid until: 2024-07-24

Date, 2019-07-25

[Signature]
Stefan Preiß

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EC Certificate

Full Quality Assurance System
Directive 93/42/EEC on Medical Devices (MDD), Annex II excluding 4)
(Devices in Class IIa, IIb or III)
No. G1 088795 0027 Rev. 00

Facility(ies):

Covidien LLC
15 Hampshire Street, Mansfield MA 02048, USA

Covidien (China) Medical Devices Technology Co., Ltd.
Rooms 501, 502, 501, 602, No.3 Building, No.2388,
Chen Hang Road, Min Hang District, 201114
Shanghai, PEOPLE'S REPUBLIC OF CHINA

Covidien (U.S.S.C. Puerto Rico, Inc.)
Building 911-87, Sabanetas Industrial Park, Ponce
PR 00731, USA
EC Certificate

Full Quality Assurance System
Directive 93/42/EEC on Medical Devices (MDD), Annex II excluding (4)
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Covidien LLC
15 Hampshire Street, Mansfield MA 02048, USA

Legal manufacturer

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Rooms 501, 502, 601, 602, No.3 Building, No.2388, Chen Hang Road,
Min Hang District, 201114 Shanghai, People’s Republic of China

Disposable Airway Management Devices, Electrosurgical Electrodes,
Circular Staplers

Covidien (U.S.S.C. Puerto Rico, Inc.)
Building 911-67, Sabanetas Industrial Park, Ponce PR 00731, USA

Circular Staplers

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LESS STRESS ON TISSUE. MORE SECURE STAPLE LINES. \(^{3-5,\dagger}\)

LESS STRESS
On tissue during compression and clamping \(^{10,13,15}\)

GREATER PERFUSION
May be allowed into the staple line \(^{11,12,15}\)

CONSISTENT PERFORMANCE
Over a broad range of tissue thicknesses \(^{6-8}\)

Call your sales representative for more information about the EEA™ circular stapler with Tri-Staple™ technology.

Visit us at medtronic.com/covidien
Compared to two-row circular staplers.

16 out of 19 surgeons surveyed agreed.

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.


Photo credit: iStock

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

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medtronic.com/covidien/en-gb/index.html