

OrVil™ transoral circular stapler anvil

An OrVil™ anvil with the Tri-Staple™ advantage.

The OrVil™ transoral circular stapler anvil is now equipped with Tri-Staple™ technology – and all the advantages that come with it. Available in XL 21 mm and 25 mm lumen sizes for use in medium/thick and extra thick tissue, the latest OrVil™ anvil has evolved beyond the capabilities of its DST Series™ predecessor.



Tri-Staple™ technology

- Three rows of round staples, with progressively increasing staple heights from the inner to outer row (Unlike DST Series™ technology, which consists of two rows of fixed-height directional staples)
- Allows greater perfusion into the staple line, which may facilitate better healing at the anastomotic site^{†,‡,1,2}

Design improvements

- When used with the EEA™ circular stapler with Tri-Staple™ technology, surgeons experienced:
 - A better attachment process than DST Series™ counterparts^{†,3}
 - Lower removal forces than DST Series™ counterparts^{†,3}
 - Decreased retention force when disengaging anvil from delivery tube^{†,3}
- Anvil head automatically un-tilts after removal of delivery tube and retention suture⁴

[†] Preclinical results may not correlate with clinical performance in humans.

[‡] Compared to the Ethicon Circular™ powered stapler. Based on staple-line vascularity analysis using MicroCT in an in vivo canine model (CDH31P: n = 13; TRIIEA31XT: n = 15. P = 0.007).

Bring Tri-Staple™ technology to transoral applications.

Order code	Description	Lumen size	Color	Staple size (inner to outer row)	Tissue type	Units per box
Manual stapling						
TRIEEAXL21MTORVIL	EEA™ circular stapler XL length with Tri-Staple™ technology and OrVil™ transoral circular stapler anvil	21 mm	Purple	3.0 mm, 3.5 mm, 4.0 mm	Medium/thick	3
TRIEEAXL21XTORVIL	EEA™ circular stapler XL length with Tri-Staple™ technology and OrVil™ transoral circular stapler anvil	21 mm	Black	4.0 mm, 4.5 mm, 5.0 mm	Extra thick	3
TRIEEAXL25MTORVIL	EEA™ circular stapler XL length with Tri-Staple™ technology and OrVil™ transoral circular stapler anvil	25 mm	Purple	3.0 mm, 3.5 mm, 4.0 mm	Medium/thick	3
TRIEEAXL25XTORVIL	EEA™ circular stapler XL length with Tri-Staple™ technology and OrVil™ transoral circular stapler anvil	25 mm	Black	4.0 mm, 4.5 mm, 5.0 mm	Extra thick	3

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Contact your Medtronic representative or visit us at [medtronic.ca](https://www.medtronic.ca) for more information.



1. Based on internal report #RE00330708 rev 1, Perfusion analysis for circular staplers, comparing EEA™ circular stapler with Tri-Staple™ technology. May 13, 2021.
2. Smallwood N, Mutch MG, Fleshman JW. The failed anastomosis. In: *Complexities in Colorectal Surgery: Decision-Making and Management*. New York, NY: Springer Science and Business Media; 2014:277-304.
3. Based on internal report #RE00467642 rev A, Tulip phase IV design validation report. 2023.
4. EEA™ Circular Stapler with Tri-Staple™ Technology and OrVil™ Transoral Circular Stapler Anvil [instructions for use]. Mansfield, MA: Covidien; 2023.

For a listing of indications, contraindications, precautions, warnings, and potential adverse events, please refer to the Instructions for Use.

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