



Proven technology. More staples.



Explore all the advantages the EEA™ circular stapler with Tri-Staple™ technology has to offer – and how you can bring them to your OR.

The benefits of Tri-Staple™ technology



Less stress on tissue
during compression
and clamping^{†,‡,§,1}



Greater perfusion
into the staple line^{‡,2}



Consistent performance
across a broad range of
tissue thickness^{†,3}

EEA™ circular stapler with Tri-Staple™ technology ⁴	21 mm	25 mm	28 mm	31 mm	33 mm
Outer lumen (mm):	21.59	25.60	28.58	31.50	33.55
Inner lumen (mm):	12.42	16.46	19.43	22.40	24.46
Anastomotic lip (mm):	1.36	1.35	1.35	1.32	1.32
Number of staples:	27	33	39	45	48

Each code is available in:

Cartridge color:	Purple (medium/thick)	Black (extra thick)
Open staple heights:	3.0, 3.5, 4.0 mm	4.0, 4.5, 5.0 mm

EEA™ circular stapler with DST Series™ technology ^{1,4}	21 mm	25 mm	28 mm	31 mm	33 mm
Outer lumen (mm):	21.59	25.60	28.58	31.50	33.55
Inner lumen (mm):	12.52	16.56	19.53	22.50	24.56
Anastomotic lip (mm):	1.84	1.88	1.88	1.88	1.88
Number of staples:	18	22	26	30	32
Open staple heights:	Each code is available in 3.5 mm or 4.8 mm				

Ethicon Echelon Circular™** powered stapler ⁴	21 mm	25 mm	29 mm	31 mm	33 mm
Outer lumen (mm):	23.73	25.61	29.70	31.60	–
Inner lumen (mm):	14.00	16.00	20.00	22.00	–
Anastomotic lip (mm):	2.38	2.27	2.21	2.18	–
Number of staples:	20	22	26	30	–
Open staple heights:	Each code is available in 5.2 mm				

[†] Bench test results may not necessarily be indicative of clinical performance.

[‡] 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.

[§] Compared to Ethicon™ CDH circular staplers and EEA™ circular staplers with DST Series™ technology.

[‡] Compared to the Ethicon Circular™ powered stapler. Based on staple-line vascularity analysis using MicroCT in an in vivo canine model (CDH31P: n = 13; TRIEEA31XT: n = 15. P = 0.007). Preclinical results may not correlate with clinical performance in humans.

¹ Licensed as EEA Autosuture Single Use Circular Stapler with DST Series.

Staple height recommendations

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.



Make the choice – or the switch.

Use the chart below to determine which EEA™ circular stapler with Tri-Staple™ technology best fits your needs. With comparative order codes for each size/tissue thickness, we can help you keep the sizes you prefer when switching from your current stapler – while adding all the benefits of Tri-Staple™ technology.

EEA™ circular stapler lumen sizes and tissue thicknesses	EEA™ circular stapler with Tri-Staple™ technology (order codes)	EEA™ circular stapler with DST Series™ technology (comparative order codes)*	Ethicon Echelon Circular™ powered stapler (comparative order codes)
21 mm, purple, medium/thick	TRIEEA21MT	EEA2135	CDH23P
21 mm, black, extra thick	TRIEEA21XT	EEA21	CDH23P
21 mm, purple, medium/thick, XL length	TRIEEAXL21MT	EEAXL2135	CDH23P
21 mm, black, extra thick, XL length	TRIEEAXL21XT	EEAXL21	CDH23P
25 mm, purple, medium/thick	TRIEEA25MT	EEA2535	CDH25P
25 mm, black, extra thick	TRIEEA25XT	EEA25	CDH25P
25 mm, purple, medium/thick, XL length	TRIEEAXL25MT	EEAXL2535	CDH25P
25 mm, black, extra thick, XL length	TRIEEAXL25XT	EEAXL25	CDH25P
28 mm, purple, medium/thick	TRIEEA28MT	EEA2835	CDH29P
28 mm, black, extra thick	TRIEEA28XT	EEA28	CDH29P
28 mm, purple, medium/thick, XL length	TRIEEAXL28MT	EEAXL2835	CDH29P
28 mm, black, extra thick, XL length	TRIEEAXL28XT	EEAXL28	CDH29P
31 mm, purple, medium/thick	TRIEEA31MT	Unavailable	CDH31P
31 mm, black, extra thick	TRIEEA31XT	EEA31	CDH31P
31 mm, purple, medium/thick, XL length	TRIEEAXL31MT	Unavailable	CDH31P
31 mm, black, extra thick, XL length	TRIEEAXL31XT	EEAXL31	CDH31P
33 mm, purple, medium/thick	TRIEEA33MT	Unavailable	Unavailable
33 mm, black, extra thick	TRIEEA33XT	EEA33	Unavailable
33 mm, purple, medium/thick, XL length	TRIEEAXL33MT	Unavailable	Unavailable
33 mm, black, extra thick, XL length	TRIEEAXL33XT	EEAXL33	Unavailable
21 mm, purple, medium/thick, XL length, and OrVil™ Transoral Circular Stapler Anvil	TRIEEAXL21MTORVIL	EEAORVIL21A†	Unavailable
21 mm, black, extra thick, XL length, and OrVil™ Transoral Circular Stapler Anvil	TRIEEAXL21XTORVIL	EEAORVIL21A†	Unavailable
25 mm, purple, medium/thick, XL length, and OrVil™ Transoral Circular Stapler Anvil	TRIEEAXL25MTORVIL	EEAORVIL25A†	Unavailable
25 mm, black, extra thick, XL length, and OrVil™ Transoral Circular Stapler Anvil	TRIEEAXL25XTORVIL	EEAORVIL25A†	Unavailable

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

† Licensed as EEA Autosuture Single Use Circular Stapler with DST Series. ‡ Licensed as EEA Orvil Auto Suture Transoral Circular Stapler Anvil. 1. Based on internal test report #RE00200393 rev.2, Comparison of circular staplers: tissue compression profiles as determined by 2-D static axisymmetric finite element analysis (FEA). June, 17, 2021. 2. Based on internal report #RE00330708 rev 1, Perfusion analysis for circular staplers, comparing EEA™ circular stapler with Tri-Staple™ technology. May 13, 2021. 3. Based on internal test report #RE00069039 rev 5.1, EEA™ circular stapler with Tri-Staple™ technology design verification report. Sept. 29, 2020. 4. Based on internal report #RE00348799 rev 1, Echelon Circular™ Powered stapler benchmark measurements. May 6, 2022.