

Meril Endo-Surgery

Endo-Mechanical Devices

Meril

Endo-Surgery







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Infrastructure

Situated on 180 acres of land and built over a 300,000 sq. ft. area, Meril's ISO 13485 certified ultra-modern manufacturing facility is constructed to satisfy the stringent needs of our Cardiovascular, Orthopaedics, Diagnostics and Endo-Surgery businesses, as well as our endeavors.

Fully integrated manufacturing systems ensure backward integration, smooth man-material movement and complete control over processes to eliminate production errors. All manufacturing and sterilization processes are conducted in-house, in addition to analytical, microbiological QA/QC tests required to meet the world class production standards.



Talent

Meril's 4000+ personnel are strong experienced team comprising of designers, engineers, chemists, microbiologists, regulatory affair experts, R&D scientists, clinical affair experts, legal finance, sales and marketing professionals with innovative capabilities. The team is continuously striving towards improving and saving lives every day by providing revolutionary solutions for prevention diagnosis and treatment.

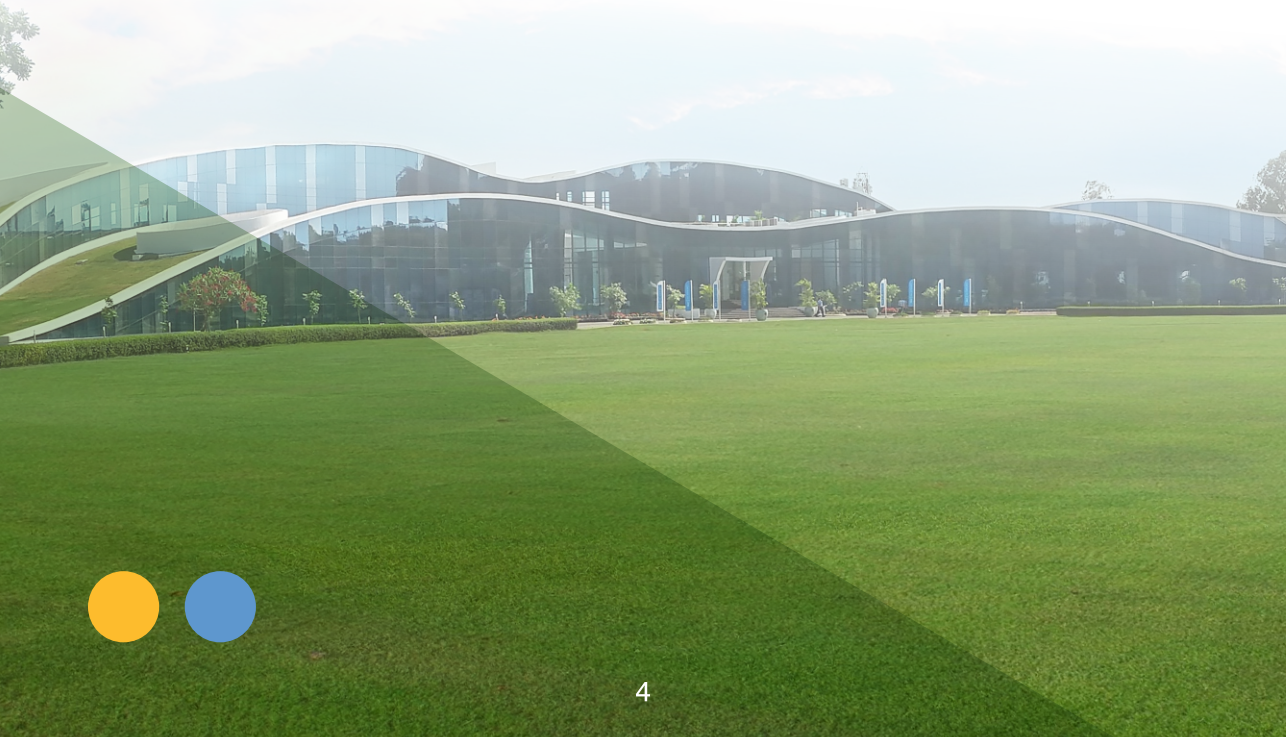


Meril Academy

While innovations and advancements in medical technology play a vital role in contributing to the betterment of a healthy society, a large role also lies in educating and imparting practical hands-on training to doctors, clinicians and other members of the medical fraternity. This initiative will help to bridge the gaps between the available technology, its adoptions and its implementation for superior patient care.

Also, adding value to medical professionals and young medical interns, Meril academy located within the campus of Meril headquarters functions as world class institution and is spread over a massive area of 100,000 sq. ft. and surrounded with lush green natural beauty.





Meril Endo-Surgery

In line with the objective to design and develop novel, clinically relevant, state-of-the-art surgical devices, Meril is expanding its Endo-Surgery portfolio. At Meril, we strive to create and develop products through innovative thinking, cutting edge technologies and collaboration with medical professionals and healthcare organizations, with an aim to identify clinical needs and translate them into market leading solutions.

Meril's vision is to become 'one-stop' solution for surgeons by providing them with an extensive product portfolio comprising of Absorbable & Non-Absorbable Surgical Sutures, Mechanical Closure Devices, Tissue Sealants, Hemostats, Hernia Repair Solutions, Intra-Uterine Devices and Energy Devices.



Meril Endo-Mechanical Devices

Meril Endo-Surgery Pvt Ltd, one of the fastest growing medical device company, introduces its Mechanical Stapling devices for basic and advanced surgical procedures. We have proficiency across product development, manufacturing, sales, customer service and are committed to provide high-quality, reliable products like Surgical Staplers, Trocars, Ligating Clips & Skin stapler. The Mirus™ range of stapling devices offer desired patient outcome with adequate hemostasis and wound security.

Meril Endo-Surgery products are being used in more than 100 countries with the expert clinical support to our customers. We have a rich product pipeline to offer in coming years which includes Endoscopic Linear Cutter, Polymer Ligating Clips, Ultrasonic Energy Devices etc.



MIRUS™

Linear Cutter and Reloads

MIRUS™ Linear Cutter and Reloads are applicable in cutting, transecting and stapling of the alimentary canal, lungs and bronchus tissues and organs. It offers two double staggered rows of titanium staples and simultaneously cuts and staples the tissue. **MIRUS™** Linear Cutter & Reloads are available in 60mm, 80mm & 100mm lengths with two different sizes of staples to accommodate various tissue thicknesses.





New Knife With Every Reload :

Precise transection & avoids cross contamination



Rear Hinge Alignment :

Ease in handling & tissue manipulation



Parallel Jaw Closure :

Uniform compression & consistent staple line formation



Push Button :

Easy unclamping



Dual Side Firing Knob:

Ambidextrous firing & ease of use

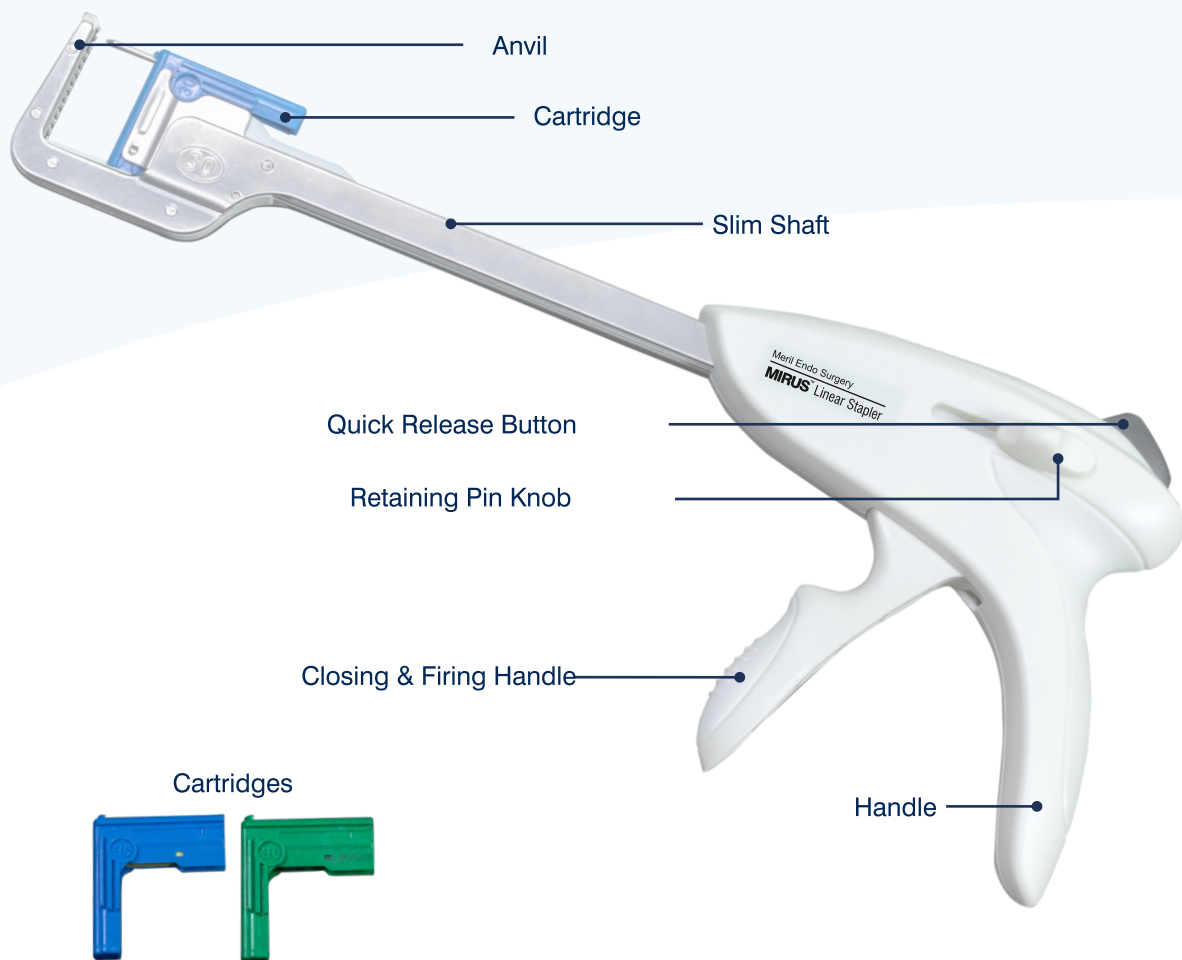
Technical Specifications

Stapler	Description	Reloads	Open Length	Close Length	Color	Number of Firings	Number of Staples	Rows of Staple	Staple Line Length	Cut Length
MLC60	Mirus Disp. Linear Cutter 60	MLCR60-3.8 MLCR60-4.8	3.8 mm 4.8 mm	1.5 mm 2.0 mm	Blue Green	8	64	4	64 mm	60 mm
MLC80	Mirus Disp. Linear Cutter 80	MLCR60-3.8 MLCR60-4.8	3.8 mm 4.8 mm	1.5 mm 2.0 mm	Blue Green	8	84	4	84 mm	80 mm
MLC100	Mirus Disp. Linear Cutter 100	MLCR60-3.8 MLCR60-4.8	3.8 mm 4.8 mm	1.5 mm 2.0 mm	Blue Green	8	104	4	104 mm	100 mm

MIRUSTM

Linear Stapler and Reloads

MIRUSTM Linear Stapler and Reloads have applications in alimentary tract, lungs and bronchi for closure and transection of tissue. It gives two staggered rows of titanium staples in sizes of 30mm, 45mm, 60mm & 90mm with reload units available for both standard tissue (3.5mm) and thick tissue (4.8mm). The device can be fired eight times. It is recommended for single patient use only.



**Dual Function Handle :**

Ease in closure & stapling

**Retaining Pin Knob :**

Ease in tissue repositioning

**Tissue Retaining Pin :**

Avoids tissue slip-outs

**Cutting Guide :**

For safe and precise transection

**Quick Release Button :**

Easy & quick unclamping

Technical Specifications

Stapler	Description	Relods	Color	Open Length	Close Length	Number of Firings	Number of Staples	Rows of Staple	Staple Line Length
MALS30	Mirus Auto Linear Stapler 30	MLSR30-3.5	Blue	3.5 mm	1.5 mm	8	11	2	30 mm
		MLSR30-4.8	Green	4.8 mm	2.0 mm		11	2	30 mm
MALS45	Mirus Auto Linear Stapler 45	MLSR45-3.5	Blue	3.5 mm	1.5 mm	8	15	2	45 mm
		MLSR45-4.8	Green	4.8 mm	2.0 mm		15	2	45 mm
MALS60	Mirus Auto Linear Stapler 60	MLSR60-3.5	Blue	3.5 mm	1.5 mm	8	21	2	60 mm
		MLSR60-4.8	Green	4.8 mm	2.0 mm		21	2	60 mm
MALS90	Mirus Auto Linear Stapler 90	MLSR90-3.5	Blue	3.5 mm	1.5 mm	8	33	2	90 mm
		MLSR90-4.8	Green	4.8 mm	2.0 mm		33	2	90 mm

MIRUSTM

Circular Stapler

MIRUSTM Circular Stapler has applications throughout the alimentary tract for the creation of end-to-end, end-to-side and side-to-side anastomosis in both open and endoscopic surgeries. The design offers adequate lumen with a series of cutting diameters from 12mm to 22mm. The adjustable staple height technology assures minimal tissue tension and controlled compression besides a reliable tactile and audible feedback while firing.

MIRUSTM Circular Stapler is available in conventional 2 row and the new 3 row staple line design. The 3 row design deploys an additional third row of staples offering better wound security and adequate hemostasis.





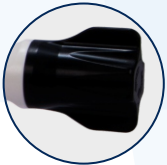
Tissue Compression Scale:

Visual feedback while firing



Adjustable Staple Height :

Accommodate varied tissue thickness



Wing Nut Knob :

Controlled compression & tactile feedback



White Teflon Cutting Washer :

Distinct audible feedback



Safety Lock :

Avoids inadvertent firing

Technical Specifications

Stapler	Description	Open Length	Close Length	Cutting Diameter	Head Diameter	Rows of Staples	Staple Quantity
MCS-21R3	Mirus Disp. Circular Stapler 3row 21	4.5 mm	1.0-2.5 mm	12	21	3	27
MCS-24R3	Mirus Disp. Circular Stapler 3row 24	4.5 mm	1.0-2.5 mm	15	24	3	33
MCS-25R3	Mirus Disp. Circular Stapler 3row 25	4.5 mm	1.0-2.5 mm	16	25	3	33
MCS-26R3	Mirus Disp. Circular Stapler 3row 26	4.5 mm	1.0-2.5 mm	17	26	3	33
MCS-29R3	Mirus Disp. Circular Stapler 3row 29	4.5 mm	1.0-2.5 mm	20	29	3	36
MCS-32R3	Mirus Disp. Circular Stapler 3row 32	4.5 mm	1.0-2.5 mm	22	32	3	42
MCS-24	Mirus Disp. Circular Stapler 24	4.5 mm	1.0-2.5 mm	15	24	2	18
MCS-25	Mirus Disp. Circular Stapler 25	4.5 mm	1.0-2.5 mm	16	25	2	20
MCS-26	Mirus Disp. Circular Stapler 26	4.5 mm	1.0-2.5 mm	17	26	2	20
MCS-29	Mirus Disp. Circular Stapler 29	4.5 mm	1.0-2.5 mm	20	29	2	24
MCS-32	Mirus Disp. Circular Stapler 32	4.5 mm	1.0-2.5 mm	22	32	2	30

MIRUSTM

Hemorrhoids Stapler

MIRUSTM Hemorrhoids Stapler is applied in general surgical treatment of prolapse and hemorrhoids by transanal stapling and resection of prolapsed hemorrhoids. **MIRUSTM** Hemorrhoids Stapler is a complete kit for Minimally Invasive Procedure for Prolapsed Hemorrhoids (MIPH) which includes a circular anal dilator, anoscope, suture threader, obturator and purse string suture.

MIRUSTM Hemorrhoids Stapler is available in conventional 2 row and the new 3 row staple line design. The 3 row design deploys an additional third row of staples offering wound better security and adequate hemostasis.





Tissue Compression Indicator :

Adjustable staple height (0.75mm to 1.5mm)



Conduits :

Controlled traction & even doughnut excision



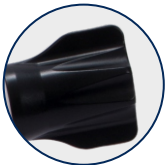
Anvil Tip & Shaft :

Fix stainless steel anvil shaft enhances mechanical stability



Safety Lock :

Prevents inadvertent firing



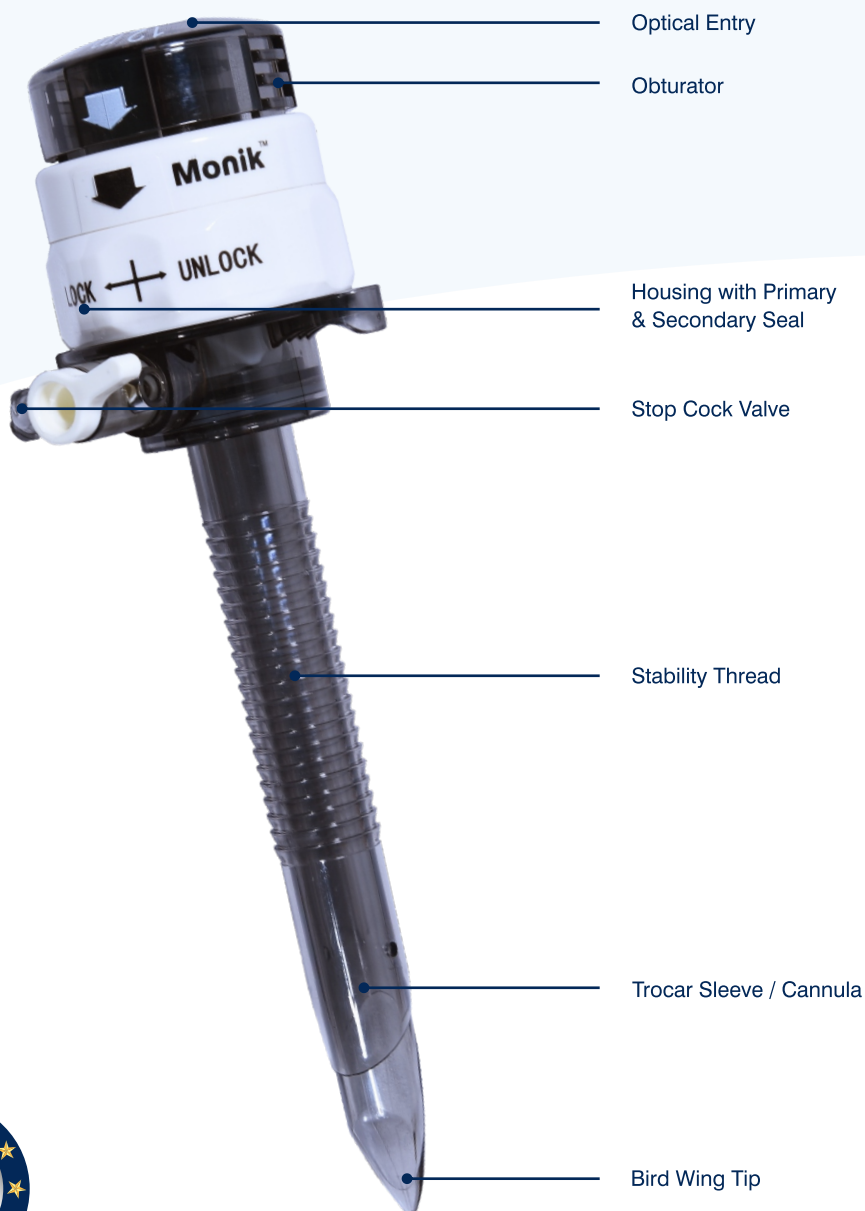
Wing Nut :

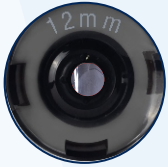
Offers control & dexterity

Technical Specifications

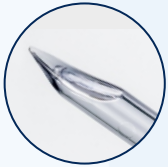
Stapler	Description	Open leg Length	Close Leg Length	Number of Staples	Rows of Staple
MPPH34R3	Mirus Disp. PPH 3Row 34	3.5	0.75 - 1.5 mm	48	3
MPPH32	Mirus Disp. PPH 32	3.5	0.75 - 1.5 mm	32	2
MPPH34	Mirus Disp. PPH 34	3.5	0.75 - 1.5 mm	32	2

MonikTM Disposable Endoscopic Trocar has applications in abdominal, thoracic and gynecologic minimally invasive surgical procedures to establish a path of entry for endoscopic instruments. The trocar may be used with or without visualization for primary and secondary insertions.



**Optical Entry :**

Enables visualization of tissue layers during insertion

**Bird Wing Tip :**

Separates the tissue rather than cutting it

**Inner & Outer Seal :**

Maintains insufflation & accepts a wide range of instruments sizes

**Stability Thread :**

Abdominal wall retention for minimal trocar slip-outs

**Obturator :**

Robust design for insertion in abdominal wall with less force

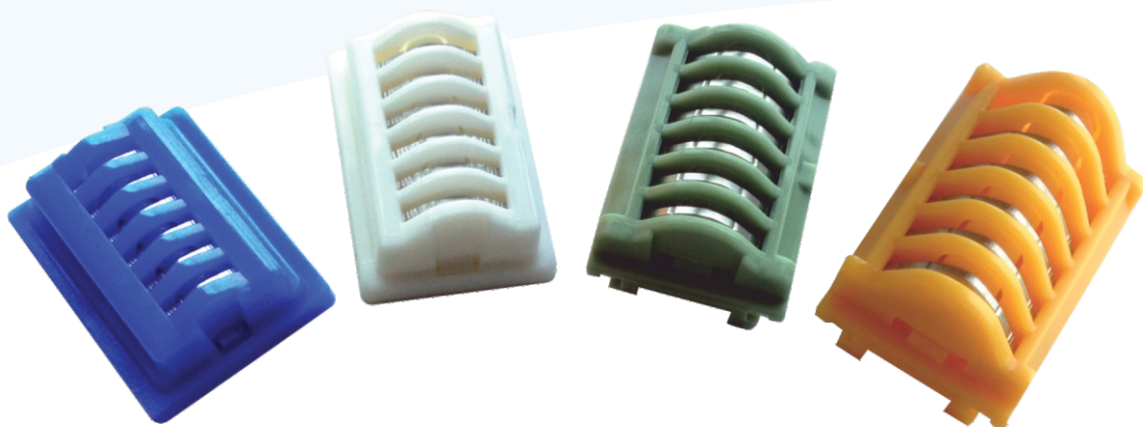
Technical Specifications

Stapler	Description	Sleeve Length	Sleeve Type
MNK-5	Bladeless Trocar, 5 mm diameter	95 mm	Stability
MNK-10	Bladeless Trocar, 10 mm diameter	95 mm	Stability
MNK-12	Bladeless Trocar, 12 mm diameter	95 mm	Stability
MNK-15	Bladeless Trocar, 15 mm diameter	110 mm	Stability

MIRUSTM Ligating Clip is intended to securely grip the vessel or tissue to provide complete occlusion atraumatically. Mirus Ligating Clip applicator allows the end user to ligate a wide range of vessels and tissue structures.

Key Features :

- Lateral & Transverse grooves allow secure fixation on the structure and increase resistance to dislodgement.
- Triangulated cross section maximises surface contact between clip & jaw.
- Precise tip to tip closure with firm vessel grip.



Available as:

Clip Size : Small, Medium, Medium-Large, Large
 Clips/Cartridges : 6
 Cartridges/Box : 20
 Clips/Box : 120
 Product Code : MLT100, MLT200, MLT300, MLT400

Ligation Clips	Titanium
Procedure Application	Blood vessel ligation for hemostasis



Appliers for Open Surgery:**Technical Specifications**

Product	Product code	Specification	Length	Applicator size	Clips compatibility
Applicator-Open	FTOA-10015	OPEN APPLICATOR 100-15CM	15 cm	Small	MLT100
Applicator-Open	FTOA-10020	OPEN APPLICATOR 100-20CM	20 cm	Small	MLT100
Applicator-Open	FTOA-10028	OPEN APPLICATOR 100-28CM	28 cm	Small	MLT100
Applicator-Open	FTOA-20015	OPEN APPLICATOR 200-15CM	15 cm	Medium	MLT200
Applicator-Open	FTOA-20020	OPEN APPLICATOR 200-20CM	20 cm	Medium	MLT200
Applicator-Open	FTOA-20028	OPEN APPLICATOR 200-28CM	28 cm	Medium	MLT200
Applicator-Open	FTOA-30015	OPEN APPLICATOR 300-15CM	15 cm	Medium-Large	MLT300
Applicator-Open	FTOA-30020	OPEN APPLICATOR 300-20CM	20 cm	Medium-Large	MLT300
Applicator-Open	FTOA-30028	OPEN APPLICATOR 300-28CM	28 cm	Medium-Large	MLT300
Applicator-Open	FTOA-40015	OPEN APPLICATOR 400-15CM	15 cm	Large	MLT400
Applicator-Open	FTOA-40020	OPEN APPLICATOR 400-20CM	20 cm	Large	MLT400
Applicator-Open	FTOA-40028	OPEN APPLICATOR 400-28CM	28 cm	Large	MLT400

Appliers for Laparoscopic Surgery:**Technical Specifications**

Product	Product code	Specification	Length	Applicator size	Compatible Clips	Shaft Diameter	Compatible Trocar
Applicator-Endo	FTEA-00300	LAPAROSCOPIC APPLICATOR 300	34 cm	Medium-Large	MLT300	10 mm	10 mm & above
Applicator-Endo	FTEA-00400	LAPAROSCOPIC APPLICATOR 400	34 cm	Large	MLT400	10 mm	10 mm & above

Optimum Wound Approximation & Healing

MIRUSTM Disposable Skin Stapler with 316L stainless steel staples has the application in abdominal, gynecological, orthopedic, and thoracic surgery for skin closure. Also, it could be used for variety of skin closures. After wound approximation and healing, these stainless steel staples are then removed by using a Skin Staple Extractor.

	Benefits:
Ergonomic design	Easy handling for desired result
Optimum leg length	Clasp thicker tissues
Transparent housing with Indicator	Enhance staple count visibility
Adequate staple crown length	Secures wider wounds



Staple material: 316L Stainless steel
Sterilisation: Ethylene oxide
Packaging: 8 Pcs/Box

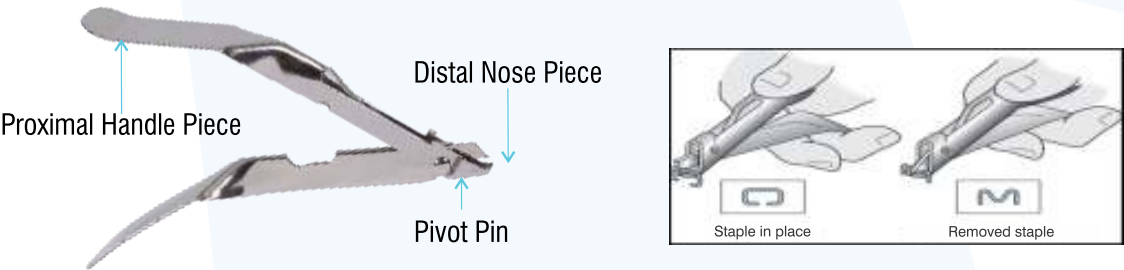
Code: MSS35
Size: 35
Staples: Wide

Larger diameter wire, greater width and extra staple height lead to secure wound closure

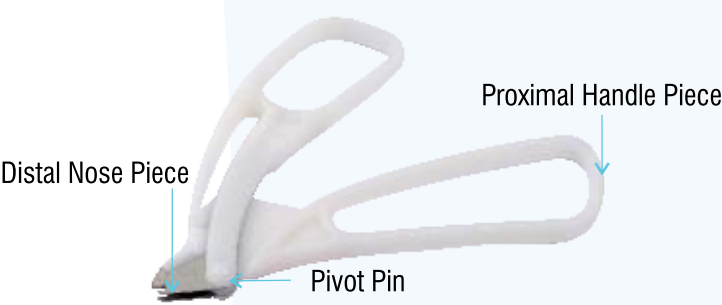
MIRUSTM Skin Staple Extractor has two pivotally connected arms, each of which is made up of a proximal handle piece and a distal nose piece, held together by a single pivot pin. The handle and nose pieces of each arm interfit with one another so that both pieces of each arm pivot as a unit about the pivot pin. The nose piece of a first arm includes two, small, laterally spaced members which can be slipped under the backspan of a surgical staple to be removed. The nose piece of the second arm includes a single member which is initially between and above the two laterally spaced members. When the arms are manually squeezed together, the single member bends the center of the staple backspan down between the laterally spaced members and pivots the legs of the staple out of the tissue.

MIRUS Skin Staple Extractor offers Reliable Strength for Safe & Secure Skin Staple Extraction.

Metal Skin Stapler Extractor



Plastic Skin Staple Extractor



Material	Material Description	Base Unit of Measure
SSEXT	Metal Skin Stapler Extractor	EA
SSRM	Plastic Skin Staple Extractor	EA

Please Contact Our Local Representative

Name: _____

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Email: _____



Note :

Note :

Meril

Endo-Surgery

Meril's Global Presence

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For more information, Please contact your local representative.

Please see the package insert for complete device description, product selection information, indications, contraindications, precautions, adverse effects, warning, materials, sterilization and patient guidance associated with the Endo-Surgery Products.