Autosuture®

# ENDO CLIP™

SINGLE USE CLIP APPLIER

## ENGLISH

⚠ **BEFORE USING PRODUCT, READ THE FOLLOWING INFORMATION THOROUGHLY.**

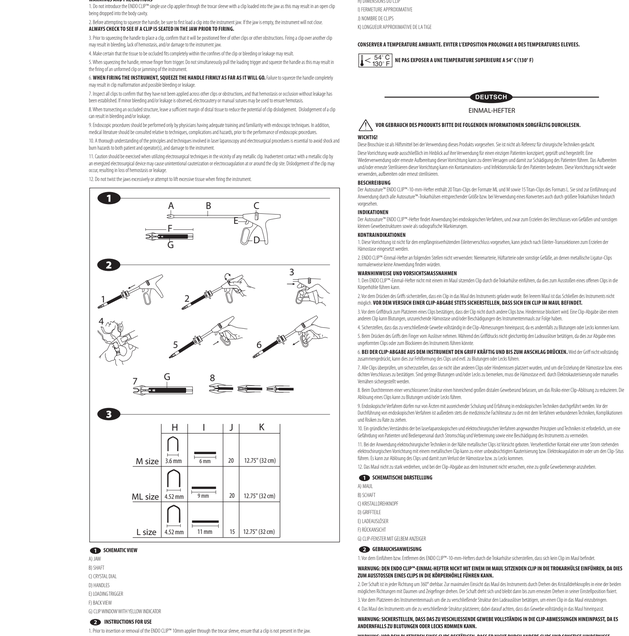
**IMPORTANT:**
This leaflet is designed to assist in using this product. It is not a reference to surgical techniques.
The device was designed, tested and manufactured for single patient use only. Reuse or reprocessing of this device may lead to its failure and subsequent patient injury. Reprocessing and/or sterilization of this device may create the risk of contamination and patient infection. Do not reuse, reprocess or resterilize this device.

**DESCRIPTION**
The Autosuture™ ENDO CLIP™ single use applier contains 20 titanium clips in the ML and M sizes, and 15 titanium clips in the L size. They are designed for introduction and use through all appropriately sized Autosuture™ trocar sleeves, or larger sized trocar sleeves with the use of a reducer.

**INDICATIONS**
The Autosuture™ ENDO CLIP™ clip applier has application in endoscopic procedures to achieve occlusion of vessels and other small tissue structures, and for subcutaneous markings.

**CONTRAINDICATIONS**
1. This device is not intended for contractorbed tubal occlusion, but may be used to achieve hemostasis following transection of the fallopian tube.
2. Do not use ENDO CLIP™ clips on patients who are on renal artery, iliac artery, or other vessels upon which metal ligating clips would not normally be used.

**WARNINGS AND PRECAUTIONS**
1. Do not introduce the ENDO CLIP™ single use clip applier through the trocar sleeve with a clip loaded into the jaw as this may result in an open clip being dropped into the body cavity.
2. Before attempting to squeeze the handle, be sure to first load a clip into the instrument jaw. If the jaw is empty, the instrument will not close.
**ALWAYS CHECK TO SEE IF A CLIP IS SEATED IN THE JAW PRIOR TO FIRING.**
3. Prior to squeezing the handle to place a clip, confirm that it will be positioned free of other clips or other structures. Firing a clip over another clip may result in bleeding, lack of hemostasis, and/or damage to the instrument jaw.
4. Make certain that the tissue to be occluded fits completely within the confines of the clip or bleeding or leakage may result.
5. When squeezing the handle, remove finger from trigger. Do not simultaneously pull the loading trigger and squeeze the handle as this may result in the firing of an unformed clip or jamming of the instrument.
**WHEN FIRING THE INSTRUMENT, SQUEEZE THE HANDLE FIRMLY AS FAR AS IT WILL GO.** Failure to squeeze the handle completely may result in clip malformation and possible bleeding or leakage.
7. Inspect all clips to confirm that they have not been applied across other clips or structures, and that hemostasis or occlusion without leakage has been established. If minor bleeding and/or leakage is observed, electrocautery or manual sutures may be used to ensure hemostasis.
8. When transecting an occluded structure, leave a sufficient margin of distal tissue to reduce the potential of clip dislodgement. Dislodgement of a clip can result in bleeding and/or leakage.
9. Endoscopic procedures should be performed only by physicians having adequate training and familiarity with endoscopic techniques. In addition, medical literature should be consulted relative to techniques, complications and hazards, prior to the performance of endoscopic procedures.
10. A thorough understanding of the principles and techniques involved in laser laparoscopy and electrosurgical procedures is essential to avoid shock and burn hazards to both patient and operator(s), and damage to the instrument.
11. Caution should be exercised when utilizing electrosurgical techniques in the vicinity of any metallic clip. Inadvertent contact with a metallic clip can an energized electrosurgical device may cause unintentional cauterization or electrocauterization at or around the clip site. Dislodgement of the clip may occur, resulting in loss of hemostasis or leakage.
12. Do not twist the jaws excessively or attempt to lift excessive tissue when firing the instrument.




1 **SCHEMATIC VIEW**
A) JAW
B) SHAFT
C) CRYSTAL DIAL
D) HANDLES
E) LOADING TRIGGER
F) BACK VIEW
G) CLIP WINDOW WITH YELLOW INDICATOR

2 **INSTRUCTIONS FOR USE**
1. Prior to insertion or removal of the ENDO CLIP™ 30mm applier through the trocar sleeve, ensure that a clip is not present in the jaw.

**WARNING: DO NOT INTRODUCE THE ENDO CLIP™ SINGLE USE CLIP APPLIER INTO THE TROCAR SLEEVE WITH A CLIP LOADED INTO THE JAW, AS THIS MAY RESULT IN A CLIP BEING DROPPED INTO THE BODY CAVITY.**
2. The shaft rotates 360° in either direction. Adjust the instrument jaw for maximum visibility by turning the crystal dial in either direction with thumb and index finger. The shaft rotates and remains fixed in a set position until rotated again.

**MSD8 ENGLISH**

**MSD8 ENGLISH - 1 X 50/2000 HR DUST TEST LE TESSU A OCCLUDE EST A L'INTERIEUR DES LIMITES DU CLIP, SANS QUOI UN SAIGNEMENT OU UNE FUITE PEUT S'ENSUIVRE.**
**MSD8 ENGLISH - AVANT DE POSER UN CLIP, CONFIRMER QU'IL EST DEGAGE D'EVENTUELS AUTRES CLIPS OU STRUCTURES. LE POSE D'UN CLIP PAR DESSUS UN AUTRE CLIP PEUT ENTRAINER UN SAIGNEMENT, L'ABSENCE D'HEMOSTASE ET/OU LA DETERIORATION DU MORS DE L'INSTRUMENT.**
5 - Serrer fermement la poignée jusqu'à arrêter en butée. Pugnare avete, le clip qui fermement maintenu par le mors et se forme autour du tissu.

**MSD8 EN GARDE : LA SE POIGNEE N'EST PAS SERRE COMPLETEMENT, CE QUI PEUT FORMER UN CLIP DEFECTUEUX ET PROVOQUER DES ENNUIS LORSQUE LE CLIP EST LAISSE DANS LE CORPS.**
6. Relâcher la poignée pour faire le clip et éloigner l'applicateur du vaisseau ou de la structure. Pour faire ouvrir un clip pour l'application suivante, appuyer sur la gâchette de chargement comme illustré à l'étape 3.

**MSD8 EN GARDE : CONTROLER TOUS LES CLIPS POUR CONFIRMER QU'AUCUN N'A ETE APPLIQUE PAR-DESSUS UN AUTRE CLIP OU DEGAGE ET QUE L'HEMOSTASE OU L'OCCLUSION EST ATTEINTE. SI UN SAIGNEMENT EST OBSERVE, UTILISER UNE PINCE FAUBLE EST CONTACTEUR, UNE ELECTROCAUTERISATION OU DES SUTURES MANUELLES POUVENT SERVIRES RAMENER LA HEMOSTASE.**
7. Lorsque l'opérateur se contient plus de clip, on doit plus pour pouvoir appuyer complètement dans la limite de clip, indiquant qu'il est vide. Un remoulage de sécurité empêche alors la fermature de la pince(pré et le mors vide ne peut pas se fermer.