ECHELON CIRCULAR™
Powered Stapler
Optimized Device Performance Guide
Device overview

ECHELON CIRCULAR™ Powered Stapler

- Orange Band
- Staple Housing
- Device Trocar
- Knife Outside Diameter
- Tissue Compression Scale
- Battery Pack
- Adjusting Knob
- Firing Trigger
- Red Safety
- Staple Retaining Cap
- Finger Notch
- Ancillary Trocar
- Locking Spring
- Anvil Cap
- Anvil Grasping Area
- Anvil Shaft
- Suture Tying Area
Device preparation

1. **Install Battery Pack**
The Battery Pack must be installed prior to use. Ensure the Battery Pack is fully inserted into the device. An audible click will be heard and the Tissue Compression Scale backlight will be illuminated when the Battery Pack is fully inserted.

2. **Opening and Staple Retaining Cap removal**
Rotate Adjusting Knob counterclockwise until the Anvil Shaft is fully exposed and remove Staple Retaining Cap.

3. **Anvil removal**
Pull Anvil to remove from Trocar.

4. **Device Trocar retraction**
Re tract Device Trocar by rotating Adjusting Knob clockwise until a stop is reached.

Check Device Trocar
Verify it is fully retracted before proceeding.

Anvil and device placement

5. **Anvil placement**
Insert Anvil into Lumen.

6. **Secure Anvil**
Secure the purse string onto Anvil Shaft above Suture Tying Area.

7. **Device placement**
With Device Trocar retracted, insert Device up to closed Lumen.

8. **Device Trocar penetration**
Fully extend Device Trocar and pierce tissue by holding the device while gently rotating the Adjusting Knob counterclockwise.

**NOTE:** Anvil Grasper can be used to prevent tissue tenting during Device Trocar penetration.

9. **Tissue adjustment**
Once penetrated, fully extend Device Trocar and push tissue down until Orange Band is visible.

10. **Attaching Anvil**
Using an Anvil Grasper or similar instrument, grip Anvil Grasping Area, being careful not to grasp locking springs. Slide Anvil Shaft over Device Trocar until Anvil snaps into fully seated position. The Orange Band on the Device Trocar will be covered when the Anvil is fully attached.

11. **Closing device**
Close by turning Adjusting Knob clockwise until Orange Indicator enters the green range on the Tissue Compression Scale, keeping anastomotic segments in proper orientation to prevent twisting of tissue.

For complete product details, refer to the relevant package inserts, with particular attention paid to the indications, contraindications, warnings and precautions, and steps for use of the device.
12. Tissue compression selection
Continue closing device until tissue is adequately compressed for proper anastomosis. Wait 15 seconds to allow for adequate tissue compression and adjust if needed to maintain appropriate tissue resistance.

13. Red Safety disengagement
Confirm Orange Indicator is fully within green range. Draw Red Safety back toward the handle. The device will not fire if the anvil is not properly attached or if the Orange Indicator is not fully within the range of the Green Tissue Compression Scale.

14. Firing
Activate the firing sequence by completely depressing the Firing Trigger. Keep device still and do not attempt to manipulate the Adjusting Knob until the firing sequence is completed, which will be indicated by an illuminated green check mark on the indicator window. It is not necessary to hold the trigger once the firing sequence has initiated. The user may notice audible feedback during the firing sequence when cutting through the Breakaway Washer. Once fired, the device cannot be fired again.

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Device opening and removal

15. Opening device
Open device by turning Adjusting Knob counterclockwise for 2 complete revolutions.

16. Device removal
Rotate the device 90° in both directions taking care to minimize movement of the distal tip. This ensures the tissue is released. Gently pull out the device while simultaneously rotating device back 90°.
Repeat as required until device slides out.

Anastomosis check

17. Breakaway Washer and Donuts check
Fully open device and extract Breakaway Washer and Tissue Donuts.

18. Examine Donut and anastomosis integrity
Inspect Tissue Donuts. If Donuts are not complete, the anastomosis should be carefully checked for leakage and appropriate repairs made. Inspect the anastomotic staple line for hemostasis and check the completed anastomosis for integrity and leakage.

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Ancillary Trocar use

1. **Removing Ancillary Trocar**
   To remove the Ancillary Trocar from the Staple Retaining Cap, grasp the Finger Notches and pull straight out, parallel to the retainer body.

2. **Attaching Ancillary Trocar**
   Grasp the Finger Notches of the Ancillary Trocar and place the blunt end into the Anvil Shaft.

   Rotate the Ancillary Trocar with respect to the Anvil Shaft approximately 45° to ensure secure attachment.

3. **Detaching Ancillary Trocar**
   Grasp the Anvil Grasping Area and grasp Finger Notches of the Ancillary Trocar. Rotate the Ancillary Trocar approximately 45° while pulling outward from Anvil Shaft.