Linear Stapler with knife

PANTHER CAAB-40
01 What is a Linear Cutter with Knife

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What is a Linear Cutter with knife

The new Panther Linear Cutter places four rows of titanium staples and simultaneously cuts the tissue in between.

General Surgeons can use the CAAB-40 for low anterior resection procedures to cut the distal end.

Thoracic Surgeons can make use of the CAAB-40 in closing and cutting the bronchus, lobar artery and veins.
Product Description

- A - Anvil
- B - RU protector
- C - Reloading Unit
- D - Push Rod
- E - Firing Handle
- F - Retaining pin knob
- G - Release Button

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## For Your Information

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Staple line length</th>
<th>Cutting line length</th>
<th>Staple height</th>
<th>Staple formation</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAAB-40</td>
<td>Disposable Linear Stapler with knife</td>
<td>43mm</td>
<td>40mm</td>
<td>4.8mm</td>
<td>2.0mm</td>
</tr>
<tr>
<td>CAZB-40D</td>
<td>Reloading unit for disposable linear stapler with knife</td>
<td>43mm</td>
<td>40mm</td>
<td>4.8mm</td>
<td>2.0mm</td>
</tr>
</tbody>
</table>
Features & Benefits

• Cutting and stapling are vertical

• Clean and accurate cuts due to stapling prior to cutting tissue

• Can be used on thick tissue
Features & Benefits

Head of the Linear Cutter with Knife

Smallest Head = Width  62mm
  Cut Line  40mm

This is especially helpful in
Low Anterior Resections due to the narrow size of the pelvis
Shaft of the Linear Cutter with Knife

Extra-long shaft (265mm)

The length exceeds competition products to make sure easy access in narrow pelvis.
Features & Benefits

**Low pelvic access with Panther Linear Stapler with knife**

In colorectal cases, it is important to gain visibility and easy access to the lower pelvis for a successful low-anterior resection. With this in mind, Panther Linear stapler with knife is designed with a smaller head width and longer shaft in order to improve visibility and provide optimal use in the narrow male pelvis.

Panther Linear stapler with knife combines stapling and cutting in one device, delivering four rows of staples with a single cut in between, eliminating the need for a bowel clamp and scalpel.
# Features & Benefits Overview

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blade incorporated in the reload</td>
<td>Easier and faster operation</td>
</tr>
<tr>
<td>Vertical direction for cutting and stapling.</td>
<td>Firing easy, cutting more smooth</td>
</tr>
<tr>
<td>Straight cut edge and straight staple line</td>
<td>Without ischemia problems at the angles and edges</td>
</tr>
<tr>
<td>62mm Jaws width</td>
<td>Easy access in narrow pelvis</td>
</tr>
<tr>
<td>Extra-long shaft</td>
<td>Convenient to enter pelvis</td>
</tr>
</tbody>
</table>
Instructions for use

1. Remove the red protector by pressing the thumb

2. Place tissue between the jaws
   (The retaining pin can be pushed manually or automatically)
3. Squeeze the firing handle half way. The firing handle will lock with the jaws half closed. In this position, the surgeon can adjust the tissue without causing unnecessary trauma.

4. Squeeze the firing handle fully. Then release it to make sure it moves back to the original position. This will cause the jaws to fully close.
5. Continuously squeeze the firing handle until it stops to complete stapling and cutting.

6. Press release button. The jaws will open and the tissue fall out.
7. To remove the reloading unit, grasp the finger pads at the top, then pull straight up and away from the jaws.
8. To reload the instrument, make sure RU groove corresponds with cartridge sliding splint. Insert the RU into the metal cartridge and push firmly down. The red protector can then be removed.
Side-to-side Comparison

**Shaft Size**

**CAAB 40. Extra-long shaft (265mm):**
Longer shaft size allows for easier access into pelvis for low anterior resection procedures.

**J&J CONTOUR®**
Shorter shaft than Panther CAAB40
Side-to-side Comparison

Head width

- The smaller head width of the CAAB-40 helps to navigate through the tight confines of the pelvic region.
- This allows for easier access to the hard-to-reach lower tissues when a distal rectum transection is required.

Panther offers a smaller head width but with the same cutting line as Contour!
Side-to-side Comparison

Panther Linear Stapler with knife provides deep pelvic access

- 23% smaller head width than Medtronic’s Radial Reload with Tri-Staple technology
- Helps you to navigate through tight pelvic region.
- Helps to access to hard-to-reach lower tissues when distal rectum transection required

Panther 62mm  Medtronic Radial 81mm
WHAT ETHICON SAYS ABOUT CONTOUR...

“The contour is curved to confirm the natural anatomy for LAR”

This statement is FALSE

What does the stapling line on the bowel look like?

Let’s have a look….
• The bowel width is limited to this size.
• There is limited access to the pelvis due to the instrument head WIDTH.
• The only result of the curved head is a CURVED STAPLING LINE.
Side-to-side Comparison

Straight cut edge and straight staple line

- Corners left after straight cutting
  Blood supply sufficient, no ischemic necrosis

- Corners left by curved cutter-
  easy to have Ischemic necrosis

J&J CONTOUR® Curved Cutter Stapler
Side-to-side Comparison

Colorectal Surgery

Is the curved stapling line more anatomical and convenient?

Will the curved cut bowel heal normally?

Will the sharp corners have enough blood supply?

Where is the benefit of the curved stapler in pelvis?

J&J CONTOUR® Curved Cutter Stapler

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Side-to-side Comparison

Is the curved stapling line more anatomical and convenient?

**CAAB 40**
- Linear rectal transection facilitate proper tissue healing

**CONTOUR™**
- Curved staple line with sharp Corners - increases risk of necrosis !!

*J&J CONTOUR® Curved Cutter Stapler*

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Side-to-side Comparison

**Jaws**

Panther has wider space between the jaws.

Wider space between jaws facilitates maneuverability and mobility in staple placement.

![Comparison of Jaws](image)

**J&J CONTOUR® Curved Cutter Stapler**  
**PANTHER CAAB-40 Stapler**
Panther Linear Stapler with knife helps to obtain placement below the tumor site

18% larger jaw aperture than Covidien’s Radial Reload with Tri-Staple technology

Facilitates maneuverability and mobility to place staples just where you want them
## Side-to-side Comparison

<table>
<thead>
<tr>
<th></th>
<th>J&amp;J Contour</th>
<th>Frankenman</th>
<th>Panther</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head width</td>
<td>64mm</td>
<td>64mm</td>
<td>62mm</td>
</tr>
<tr>
<td>Cutting line</td>
<td>40mm</td>
<td>38mm</td>
<td>40mm</td>
</tr>
<tr>
<td>Staple line</td>
<td>43mm</td>
<td>38mm</td>
<td>43mm</td>
</tr>
<tr>
<td>Staple height</td>
<td>4.7</td>
<td>4.5</td>
<td>4.8</td>
</tr>
<tr>
<td>Reloading</td>
<td>Can reload 6 times</td>
<td>No</td>
<td>Can reload 7 times</td>
</tr>
<tr>
<td>Shaft length</td>
<td>225mm</td>
<td>225mm</td>
<td>265mm</td>
</tr>
<tr>
<td>Direction of cutting and stapling</td>
<td>Same direction</td>
<td>Same direction</td>
<td>Vertical</td>
</tr>
</tbody>
</table>
“THE PERFECT MIX”

LONGER SHAFT

SMALLER HEAD WIDTH

LARGER JAW APERTURE

CAAB-40

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Thanks for your attention!