

**NEW!**

**CARTER-THOMASON® II**  
Port Closure System

# Procedure Guide

Eliminate Big Problems –  
Safely and Quickly Close  
Your Patients' Port Sites



Following the trocar track helps prevent loss of pneumoperitoneum

# Safely and Quickly Close Port Sites, Especially on Challenging Obese Patients

Carter-Thomason® II Port Closure System  
(Shown Actual Size)

Ergonomically  
engineered handle  
with ribbed surfaces  
provides multiple  
grip options

Textured needle surface  
ensures a safe, firm hold  
for needle puncture

Rigid needle design  
enables precise control

Intuitive plunger  
mechanism retracts and  
extends grasping fingers  
to facilitate entry through  
the trocar and deployment  
in the abdomen

Ribbed surface texture  
provides a safe, firm  
hold of the device

Suture  
Passer

Fixed entry and exit holes guide the Suture  
Passer at a 180° angle to ensure precise,  
consistent and reproducible closure

Additional suture entry holes on  
15 mm guide ensure complete  
fascial closure of large port sites

10/12 mm  
Suture Guide

Anchoring wings enable better  
tissue thickness approximation  
and countertraction

15 mm  
Suture Guide



# Tips and Alternative Procedures

## Suture Guide Orientation

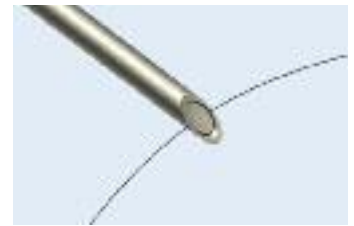


**Trocar Wound Closure**  
Suture Guide entry and exit holes should be perpendicular to trocar wound.



**Ligating Abdominal Wall Bleeders**  
Align Suture Guide entry and exit holes perpendicular to vessel.

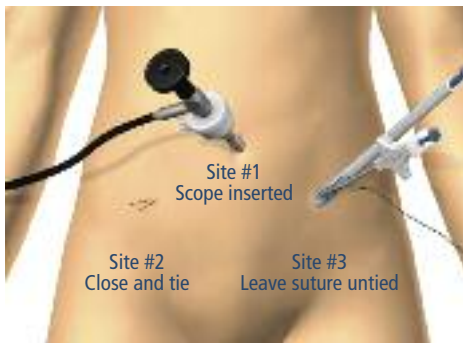
## Suturing Tips



- Recommend use of synthetic, braided absorbable suture, size 0.
- To aid in passage through tissue and to retrieve suture, it is recommended to place a small tail of about 1 inch in distal end of grasping finger.
- Grasp near fingertips for easier release.

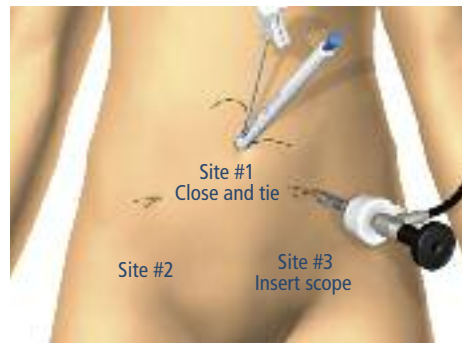
(Monofilament suture not recommended.)

## Closing Multiple Port Sites Under Direct Visualization



### STEP 1

- Use the laparoscope inserted in Site #1 to visualize Sites #2 and #3.
- Perform the port site closure procedure on Site #2 and tie the suture.
- Initiate the port site closure procedure on Site #3 but leave the suture untied and reinsert trocar.



### STEP 2

- Move the laparoscope to Site #3 and visualize Site #1.
- Perform the port site closure procedure on Site #1 and tie the suture.



### STEP 3

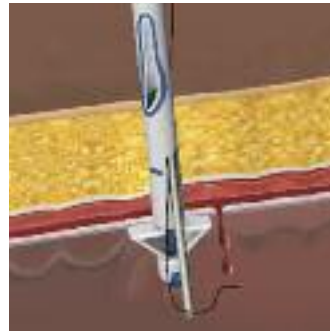
- Remove the laparoscope from Site #3 and tie the suture to complete closure of all port sites under direct visualization.

## Ligating Bleeding Abdominal Wall Vessels



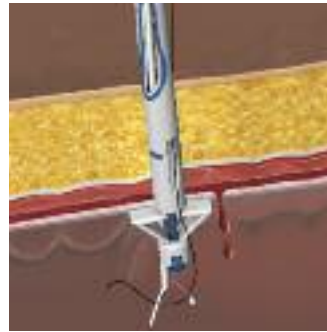
### STEP 1

- Insert the Suture Guide with the holes aligned perpendicular to capture the vessel.



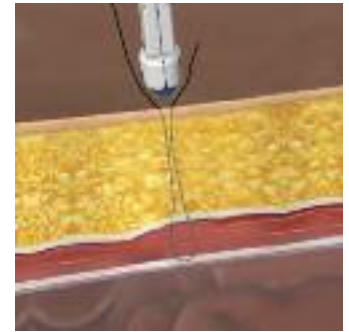
### STEP 2

- Use the Suture Passer to push suture through the Suture Guide, fascia, muscle and peritoneum into the abdomen.
- Drop the suture and remove the Suture Passer.



### STEP 3

- Push the Suture Passer through the opposite side of the Suture Guide and surround the vessel.
- Pick up the suture and pull back through the peritoneum, muscle, fascia and Suture Guide.



### STEP 4

- Remove the Suture Guide and tie off the bleeding vessel.

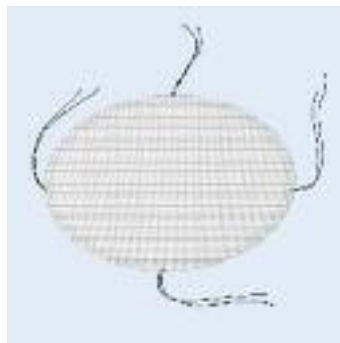
NOTE - At times more than one suture pass is required.

## Hernia Repair



### STEP 1

- Measure the defect.
- Tailor a patch so that it extends approximately 3-5 cm beyond the hernia defect in all dimensions.

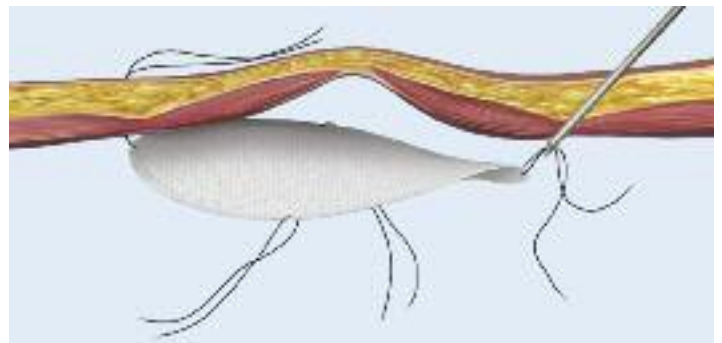


### STEP 2

- Place four non-absorbable sutures, approximately 15-20 cm in length, at the edge of the patch in equidistant locations.

### STEP 3

- Roll the patch along its long axis.
- Under visualization, introduce the patch into the abdomen through a trocar.



### STEP 4

- Make four small incisions corresponding to the placement of each of the pre-tied sutures.
- Insert the Carter-Thomason® II Suture Passer into the skin nick at an angle to capture the fascia.
- Push the Suture Passer through the fascia, muscle and peritoneum.
- Grasp one tail of the suture and pull it back through the skin; release the suture.

### STEP 5

- Place the Suture Passer through the same skin nick again, but at an angle that allows a fascial bridge. Then repeat the procedure outlined in Step 4.

### STEP 6

- Perform Steps 4 and 5 with the other three pre-tied sutures.

### STEP 7

- Secure the mesh with tacks around its circumference and perform a full-thickness closure of all port sites using the appropriate Suture Guides, making sure no intra-abdominal structures have been inadvertently captured.



# Enhanced Safety, Efficiency and Reproducibility. Consistent Results for Every Site, Every Time.

## Full-thickness Trocar Wound Closure Procedure



### STEP 1

Press the plunger mechanism on the Suture Guide to retract the anchoring wings and place through the trocar.



### STEP 2

Once the Suture Guide's anchoring wings are below the peritoneum and trocar, release pressure on the plunger. Remove the trocar. Ensure that the suture entry holes are aligned perpendicular to the trocar wound and the anchoring wings are resting gently against the peritoneum.



### STEP 3

With the Suture Passer loaded and the grasping fingers in the closed position, push the Suture Passer through the Suture Guide and into the abdomen. Drop suture and remove Suture Passer.



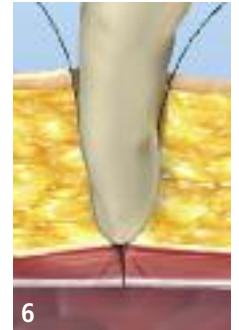
### STEP 4

With the grasping fingers in the closed position, push Suture Passer through opposite side of the Suture Guide and pick up suture.



### STEP 5

Pull the suture up through the peritoneum, muscle, fascia and Suture Guide.



### STEP 6

Remove Suture Guide by depressing the plunger mechanism, retracting the anchoring wings and withdrawing. Tie suture to complete the closure.

## Using the 15 mm Suture Guide



### STEP 7

Perform Steps 3-4 using the blue entry holes.



### STEP 8

With another piece of suture, repeat Steps 3-4 using orange entry holes.



### STEP 9

Remove Suture Guide. Tie each suture to complete the closure.

# CARTER-THOMASON® II

## Port Closure System

Ordering Information		
Product	Order Number	Contents
Carter-Thomason II Port Closure System	CTI-1012P	<ul style="list-style-type: none"><li>• (1) Carter-Thomason II Port Closure System Suture Passer</li><li>• (1) 10/12 mm Suture Guide</li><li>• Qty: 5 systems per box</li></ul>
Carter-Thomason II Port Closure System	CTI-1015P	<ul style="list-style-type: none"><li>• (1) Carter-Thomason II Port Closure System Suture Passer</li><li>• (1) 10/12 mm Suture Guide</li><li>• (1) 15 mm Suture Guide</li><li>• Qty: 5 systems per box</li></ul>
*Carter-Thomason II Port Closure System XL	CTXL-P	<ul style="list-style-type: none"><li>• (1) Carter-Thomason II Port Closure System XL Suture Passer</li><li>• (1) 10/12 mm XL Suture Guide</li><li>• (1) 15 mm XL Suture Guide</li><li>• Qty: 3 systems per box</li></ul>

\*Available Spring 2013



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Find out how the Carter-Thomason II Port Closure System can benefit your practice... and your patients. Call 1.800.243.2974 or 203.601.5200 or visit [www.coopersurgical.com](http://www.coopersurgical.com). Also, see us on YouTube at [www.YouTube.com/CooperSurgical](http://www.YouTube.com/CooperSurgical).

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