

# ABRA® Surgical Skin Closure Set

a Dynamic Wound Closure System

## Introduction

The Surgical Skin Closure Set provides dynamic reduction for retracted defects with the goal of maintaining or restoring the definitive primary closure option.

## Indications

The Canica Dynamic Wound Closure Systems are indicated for use in preventing, controlling, reducing, and closing retracted soft tissue defects.

## Intended Use

1. Closure of extremity fasciotomies.
2. Closure or reduction of skin defects. Can be used to reduce skin defects over mesh.

*Note: For full thickness abdominal wounds requiring fascia closure, the ABRA® Abdominal Wall Closure Set is recommended.*

## Warnings

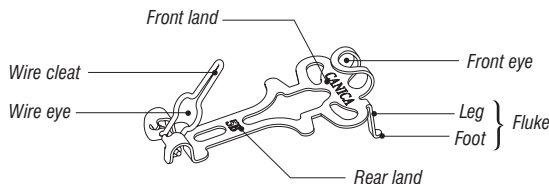
Federal (USA) law restricts this device to sale by or on the order of a physician. System to be used by a qualified surgical practitioner.

The Wound Closure System must not be left on for more than 29 days.

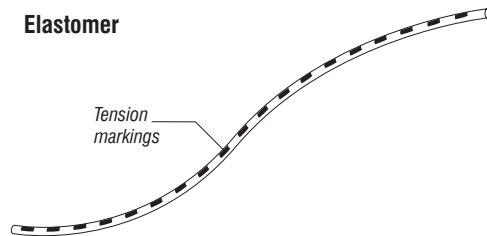
**NO REUSE:** Sterile ABRA® system components are not intended to be resterilized or reused. Stresses and fractures may be created during use and reesterilization that cannot be detected by visual inspection, which will prevent thorough decontamination of the product as well as compromise structural integrity.

## Overview of Set Components

### Skin Anchor



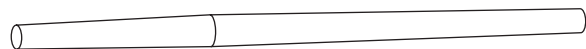
### Elastomer



### Ruler



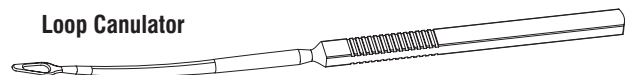
### Skin Marker



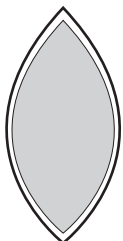
### Lancet



### Loop Canulator



## Pre-operative Instructions



### Wound Bed Preparation

If the wound is fresh and the margins are mobile, continue to the next appropriate section. Otherwise, the following steps may be required to ensure skin mobility prior to installation of the skin anchors:

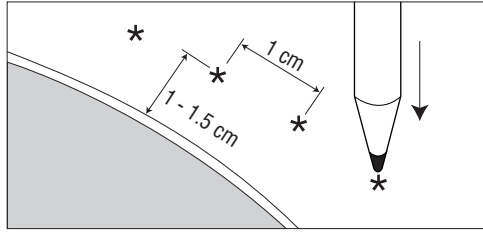
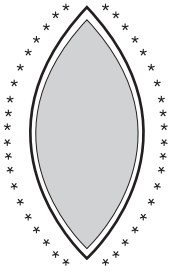
- A. Rolled-in wound margins should be freed to create a mobile edge.
- B. Wound edges should be undermined up to 2.0 cm.

## A. Skin Anchor Installation Layout

A1

### Marking the Skin

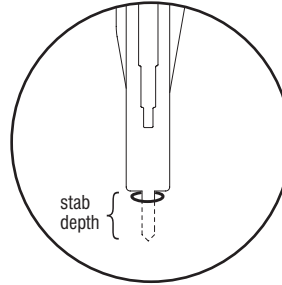
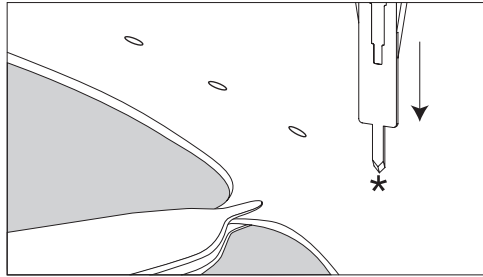
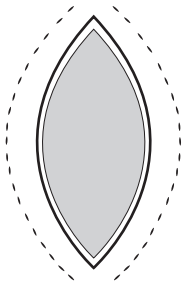
Using a skin marker, place marks at 1 cm intervals, set back 1 to 1.5 cm.



A2

### Making Fluke Holes

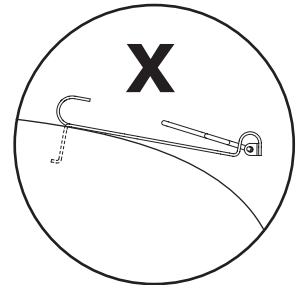
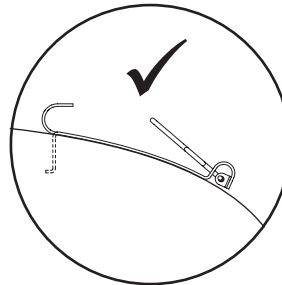
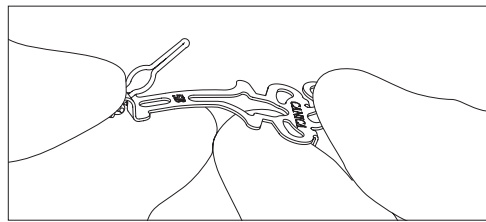
Keeping the Lancet parallel to the wound margins, create small stab incisions at each mark.



A3

### Pre-forming Skin Anchors

When required, bend skin anchors to match the curvature of the skin surface, eg. on a forearm.



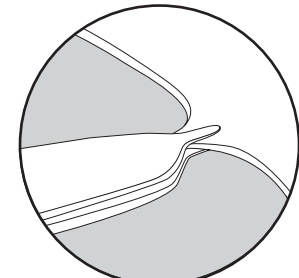
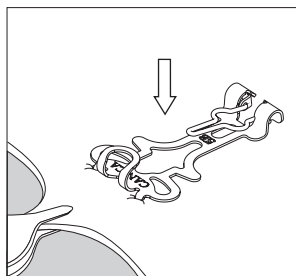
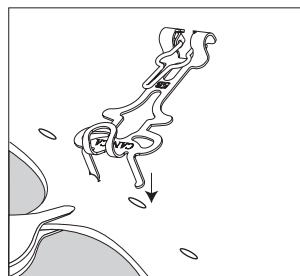
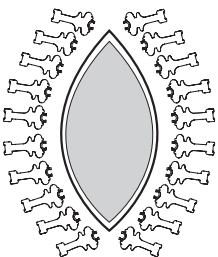
## B. Skin Anchor Installation

B1

### Installing Skin Anchors

Insert skin anchors.

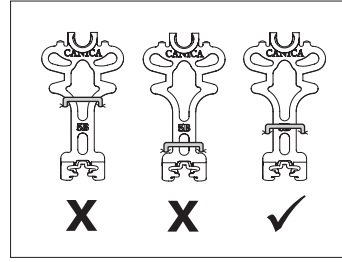
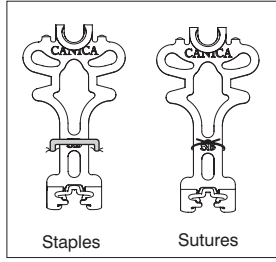
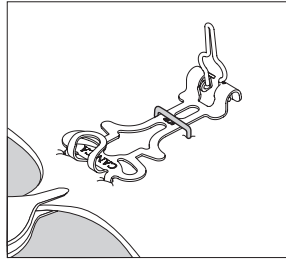
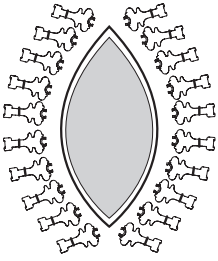
Tensioning the skin helps.



## B2

### Securing the Skin Anchors

Staple or suture skin anchors as indicated. A wide body staple is recommended.



## B3

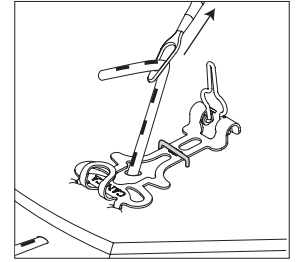
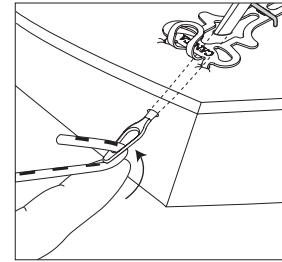
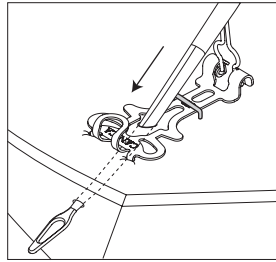
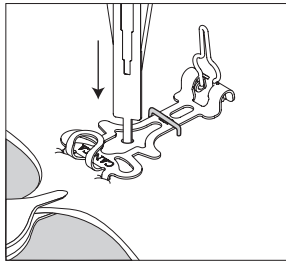
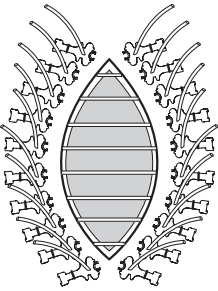
### Installing the Silicone Elastomers

Tension skin using forceps, and make stab incision as shown.

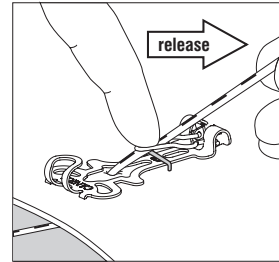
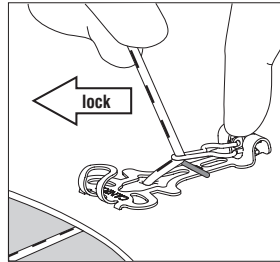
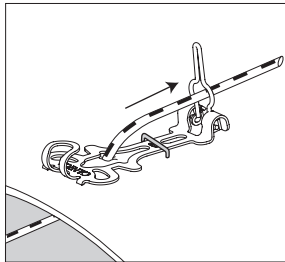
Insert Loop Canulator through stab incision and blunt dissect until loop is exposed.

Hook end of elastomer through the loop ~ 2 cm.

Pull Loop Canulator with elastomer end up through the skin.



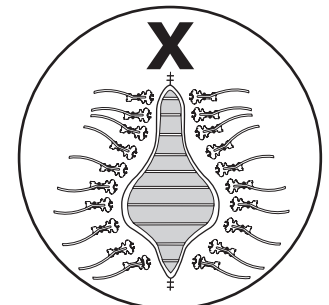
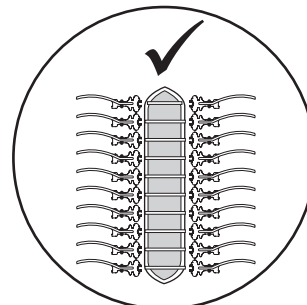
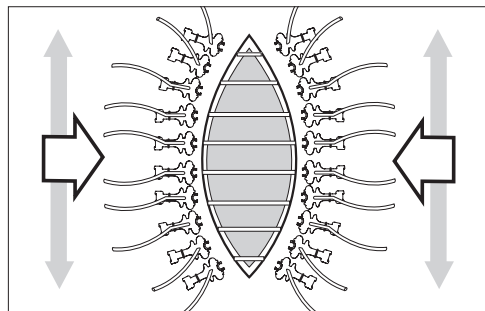
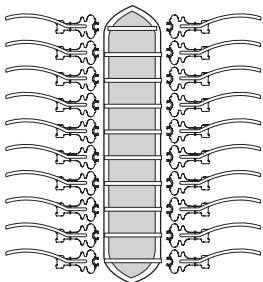
### How the Elastomer Lock Works



## C. Establishing Dynamic Closure Tension

### Applying Tension to the Wound

Tension wound from center outward. The goal is to make the margins parallel along the entire length of the wound using the highest tension in the middle and lower tensions near the ends.



## Recommended Elastomer Tension

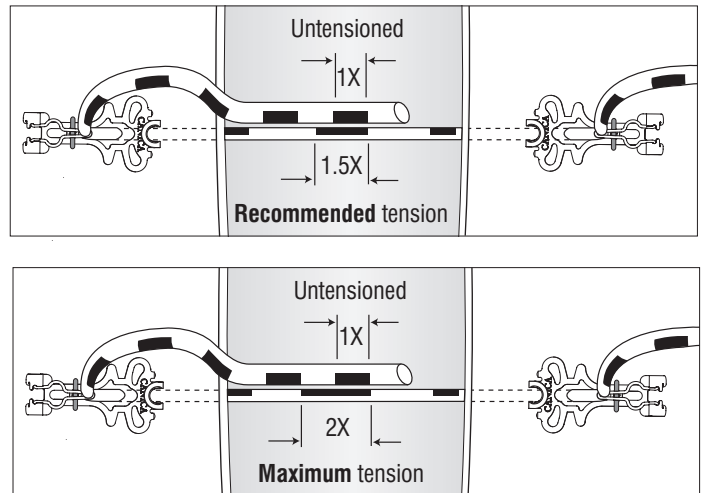
Recommended applied tension is 1.5X stretch.  
Do not exceed 2X stretch.

Once tension has been set, trim elastomer ends, leaving a minimum of 5 cm.

Dressings may be placed above or below the elastomers, but should not cover the anchors.

When appropriate, patient mobilization will accelerate wound closure.

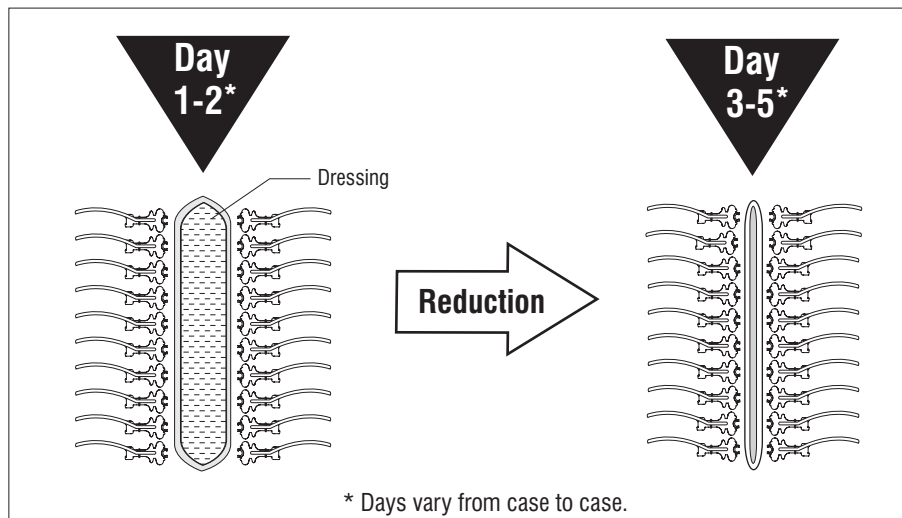
Do not use with Negative Pressure Wound Therapy.



## D. Managing the Wound

Re-set elastomer tension daily as the wound closes.

**Note: Excessive tension does not accelerate closure.**



When wound edges are approximated, remove all anchors and elastomers to complete the primary closure.

Refer to Post-operative Nursing Care instructions (1D0904) for further information about dressings and wound maintenance.

## Order Information

Description	Part Number
ABRA® Surgical Skin Closure Set	CWK02



Do not reuse.

**STERILE R**



Product and packaging are 100% latex free.



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