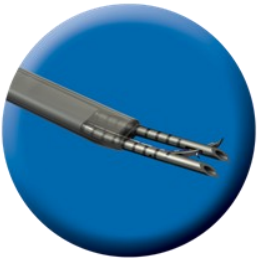


CrossFix[®] II

Meniscal Repair System

SURGICAL TECHNIQUE GUIDE



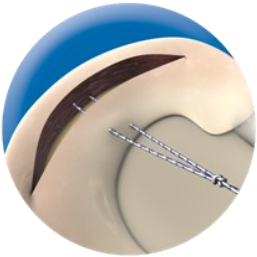
The CrossFix[®] II Meniscal repair System is a suture only device that creates an instantaneous mattress stitch for a fast, strong, and reliable all-inside meniscal repair.

FAST



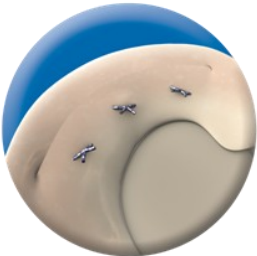
Single insertion of device into meniscus and pre-tied knot creating an instantaneous 3 mm mattress stitch.

STRONG



Biomechanically strong fixation with pull out forces equal to open suture techniques.¹

COMPLETE



Straight and curved needle allows for easier access to multiple tear sites. Device design offers a comprehensive solution with incorporated cannula and depth limiter.

CrossFix[®] II is intended for approximation of soft tissue in procedures such as meniscal repair.

- 1 Access the location of Meniscal tear and determine the reparability. If the tear is repairable, determine appropriate portal placement for repair instrumentation.

Using the Probe in the CrossFix® II disposable kit, measure the tear.



* **The tip of the Probe can be bent to the desired angle by using hemostats or other instrumentation.**

- 2 Set the depth limiter to the desired distance by pulling the black lever on the handle of the CrossFix® II device backwards.



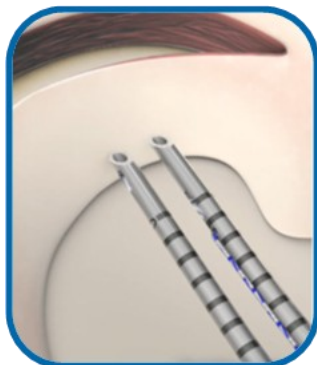
* **This is done outside of the knee joint.**

- 3 Insert the Introducer (from the disposable kit) through the portal **first**, and then slide the exposed CrossFix® II needles along the Introducer into the joint space.

* **This helps get CrossFix® II through the tissue and into the joint space without torquing the needles.**

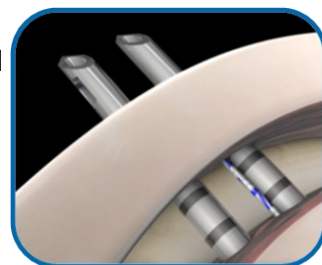


- 4 Once the needles are in the joint space, remove the Introducer from the knee.



- 5 Insert the needles into meniscus capturing the tear. The needles will be in position when the depth limiter pushes against the meniscal surface, limiting advancement.

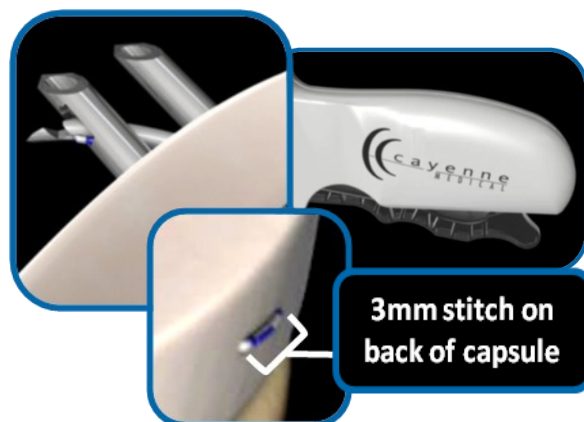
* **Avoid torquing of the needles upon insertion by letting go of the CrossFix® II device, allowing the needles to re-align.**



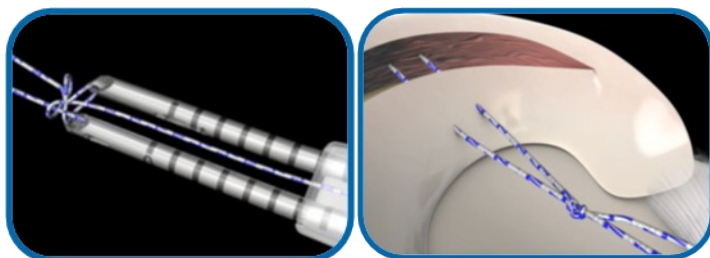
TIP: A 20 degree oblique stitch is biomechanically equivalent to a vertical stitch. (*Barber study*)

- 6 With the needles in position, deploy the suture by squeezing the device trigger.

The trigger can be released after hearing an audible click.

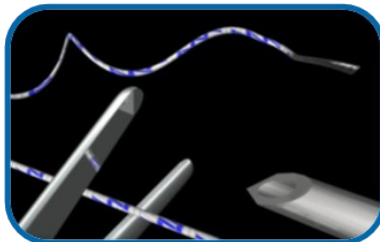


- 7 Remove the needles from the knee and gently pull the device out of the joint allowing the sliding knot to advance into position.



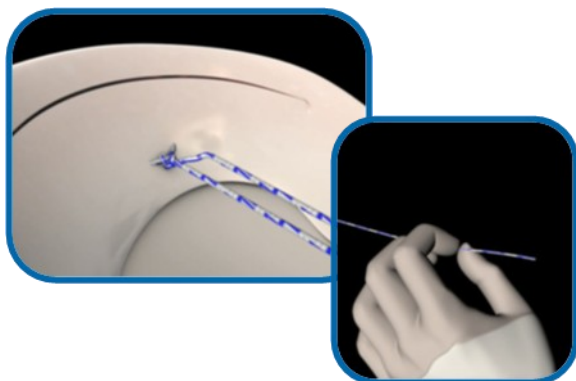
* **You will feel tension as the knot slides off the needles.**

- 8 Cut the suture end off the needle tip. The **white end** of the suture is the **post end** and the **black end** of the suture is the **locking end**.



* Be careful not to cut the black end of the suture.

- 9 Pull the **post (white) end** of the suture to advance the sliding knot to reduce the meniscal tear.

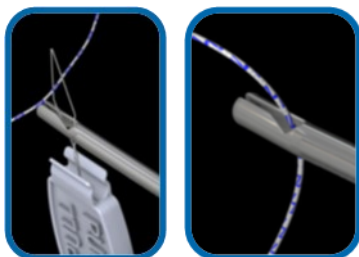


OPTIONAL

If not satisfied with the reduction of the meniscal tear, thread the **post (white) end** of the suture through the CrossFix® Knot Pusher/Suture Cutter and apply tension to the post end.

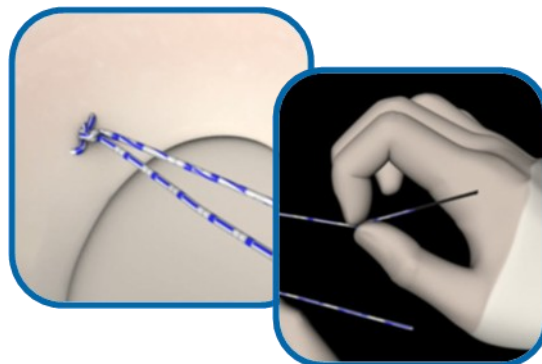


TIP: Suture can be threaded through the Knot Pusher/Suture Cutter with packaged snare or by hand.



- 10 With the knot in position, lock the knot by pulling on the **black end** of the suture. Half hitches can be added as needed.

* Be careful not to prematurely pull the black end of the suture as pulling on the black end will permanently lock the knot.



- 11 Thread both ends of the suture through the CrossFix® Knot Pusher/Suture Cutter.

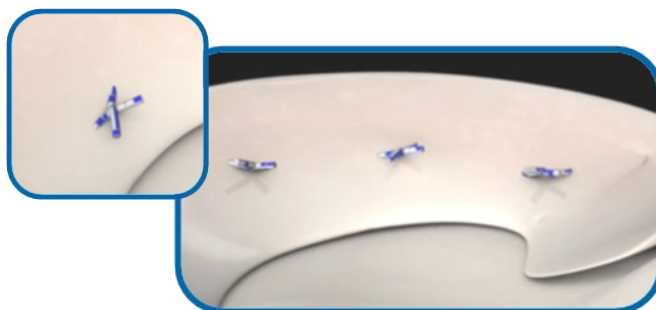
- 12 Rest the tip of the Knot Pusher/Suture Cutter on the knot to allow for a 2-3 mm tail.



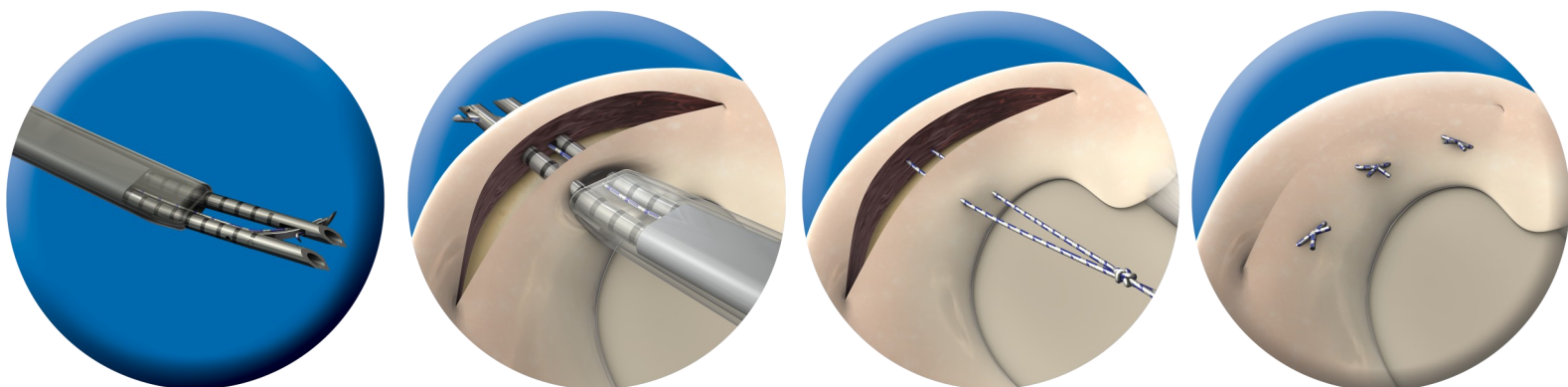
- 13 Cut the suture by pulling the black trigger backwards.



- 14 Assess the fixation and repeated as needed.



ALL INSIDE EASE WITH INSIDE OUT STRENGTH



Ordering Information

CrossFix[®] II Meniscal Repair System

Model #:	Description
CM-8000	CrossFix [®] II Disposable Procedure Kit (Probe, Knot Pusher/Suture Cutter and Introducer)
CM-8001	CrossFix [®] II Meniscal Repair Device, Straight
CM-8002	CrossFix [®] II Meniscal Repair Device, Up Curve

Manufactured By



16597 N. 92nd St., Suite 101
Scottsdale, AZ 85260
www.cayennemedical.com
P: 888.229.3661

60284 Rev. B

¹ Data on File