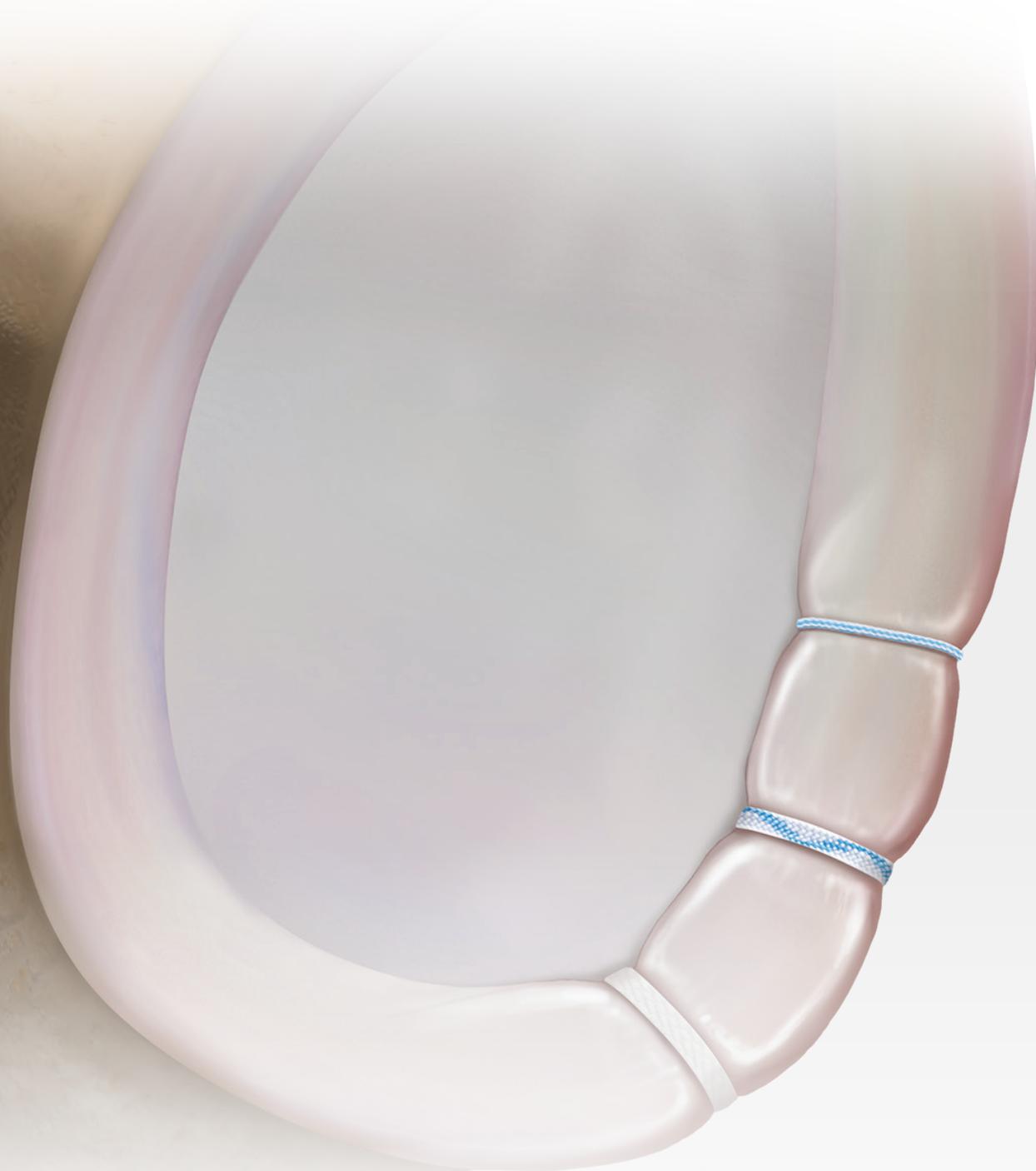


# PushLock® Suture Anchor for Knotless Instability Repair

Surgical Technique





# PushLock® Knotless Suture Anchors

Uniquely designed for a secure knotless labral repair, the PushLock anchor eliminates the risk of knot impingement after arthroscopic labral repair. With this technique, independently pass suture through the capsule or labrum and adjust tissue tension prior to anchor insertion.

## Advantages

- › Knotless techniques minimize the number of surgical steps and save time
- › Designed specifically for glenoid labral repair to maximize the preservation of glenoid bone
- › No risk of knot impingement
- › Cannulated design minimizes anchor volume
- › Suture tension is visualized and adjusted prior to anchor insertion
- › Available in biocomposite or PEEK material and multiple sizes (2.4 mm and 2.9 mm short)

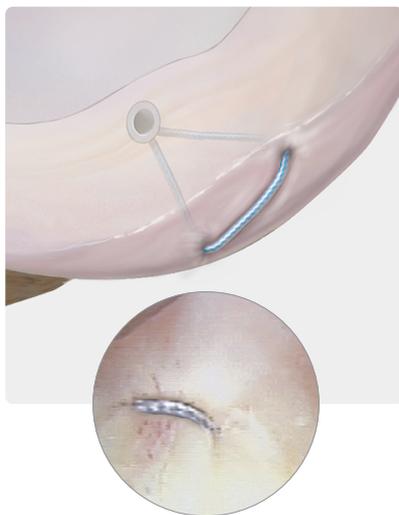
BioComposite Short  
2.9 mm PushLock Anchor  
With LabralTape™ Suture

Various premium suture options—FiberWire®, SutureTape, or LabralTape—provide flexibility when choosing stitch configurations for soft-tissue repair (shown below).

Knotless Simple Stitch



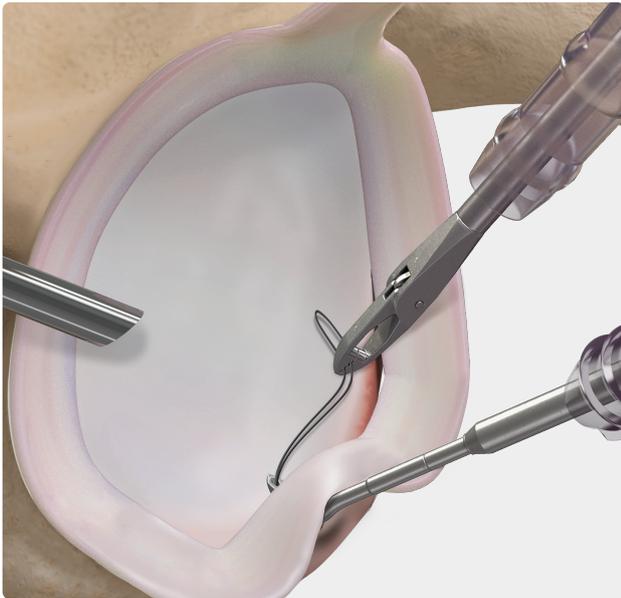
Knotless Mattress Stitch



Knotless Cinch Stitch

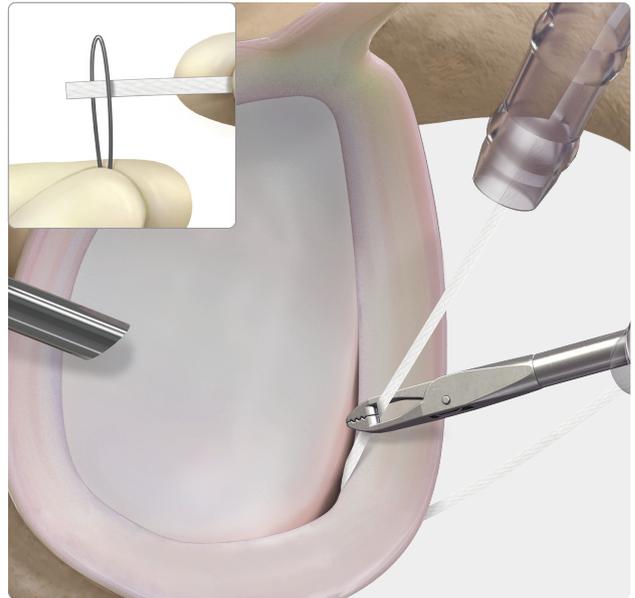


## Simple Stitch Repair With FiberWire®, SutureTape, or LabralTape™ Suture



**01**

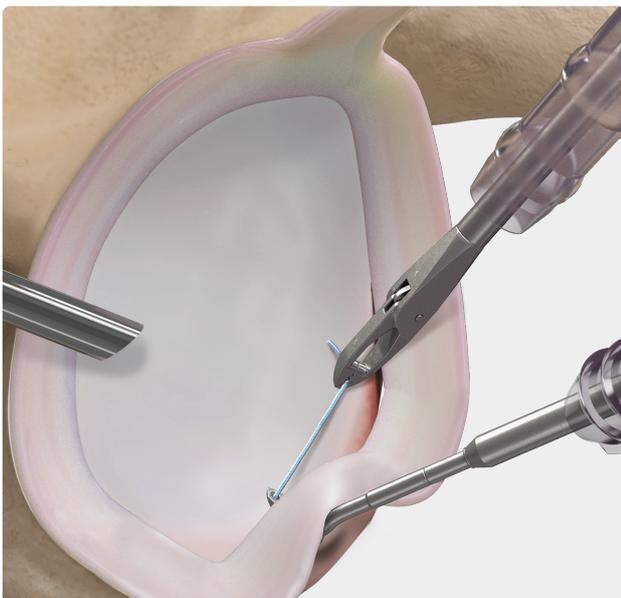
Insert the SutureLasso™ suture passer into a cannula and pass it through the capsulolabral tissue. Advance the nitinol wire loop through the suture passer and retrieve it through a separate portal.



**02**

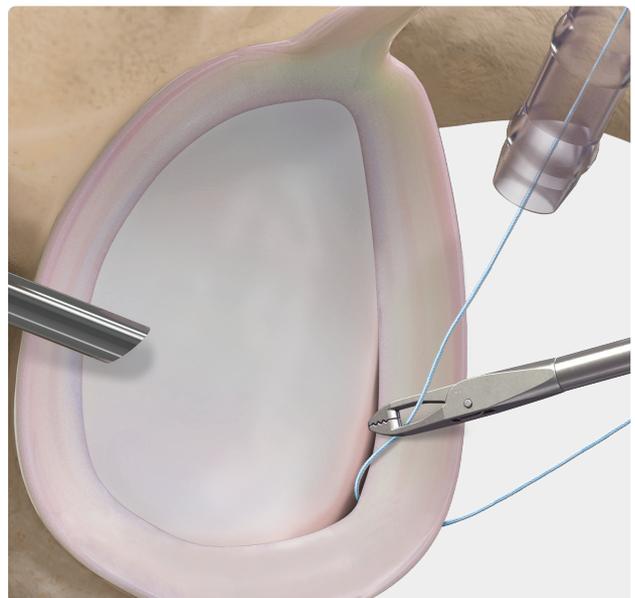
Load the suture through the nitinol wire loop. Retract the suture passer and wire, shuttling the suture through the tissue. Retrieve both suture tails through the anchor insertion cannula.

## Simple Stitch Repair With FiberStick™ Suture



**01**

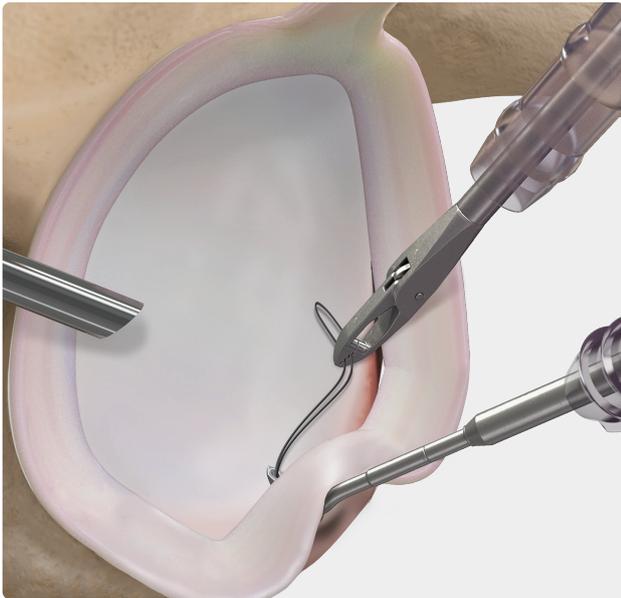
Insert the SutureLasso suture passer, which is preloaded with FiberStick suture, into a cannula and pass it through the capsulolabral tissue. Advance the suture through the suture passer and retrieve it through a separate portal using a KingFisher® grasper.



**02**

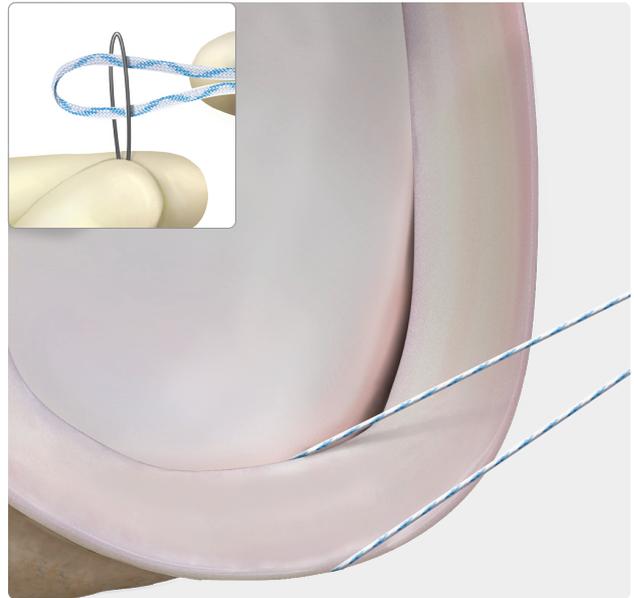
Retrieve both suture tails through the anchor insertion cannula.

## Cinch Stitch (Luggage Tag) Repair With FiberLink™ Suture or FiberLink SutureTape



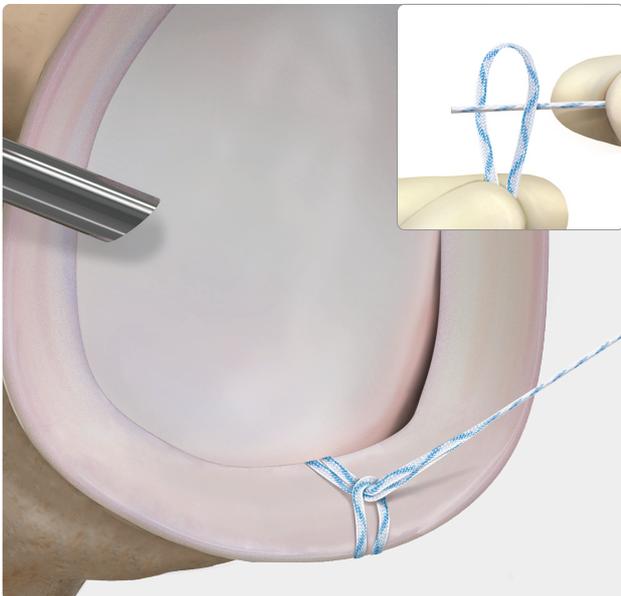
**01**

Insert the SutureLasso™ suture passer into a cannula and pass it through the capsulolabral tissue. Advance the nitinol wire loop through the suture passer and retrieve it through a separate portal.



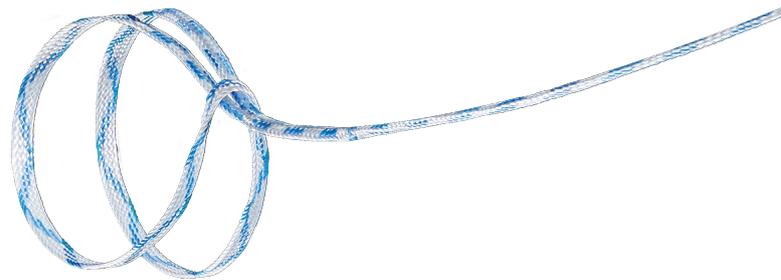
**02**

Load the suture loop through the nitinol wire loop. Retract the suture passer and wire, shuttling the suture through the tissue. Retrieve both suture tails through the anchor insertion cannula.



**03**

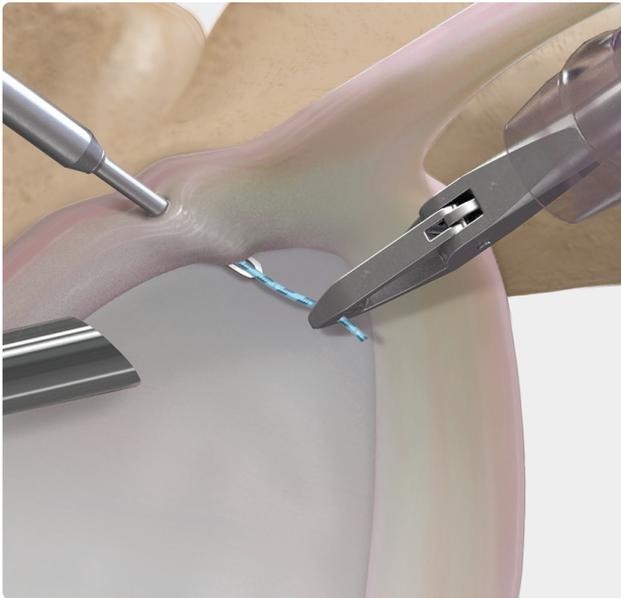
Pass the tail through the loop to create the cinch stitch. Pull on the tail to tighten and position the cinch stitch on the labrum.



### **FiberLink SutureTape**

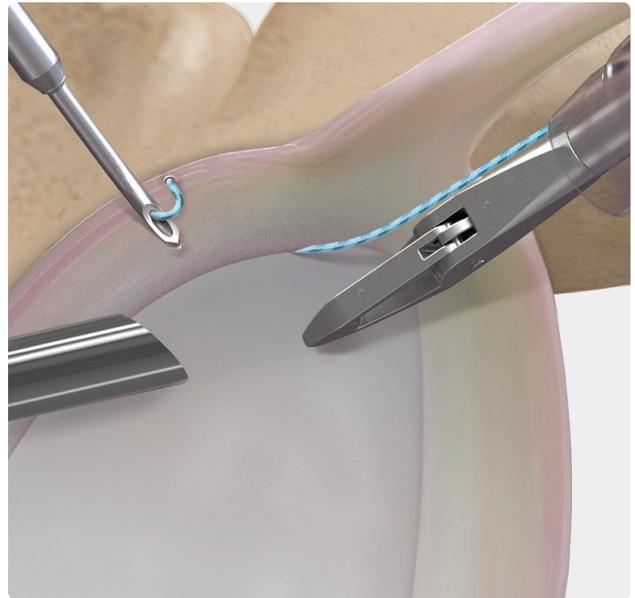
- › 1.3 mm and 1.7 mm sizes available
- › Features a flat-tape loop that transitions to a round suture tail

## Mattress Stitch Repair With SutureTape FiberStick™ Suture



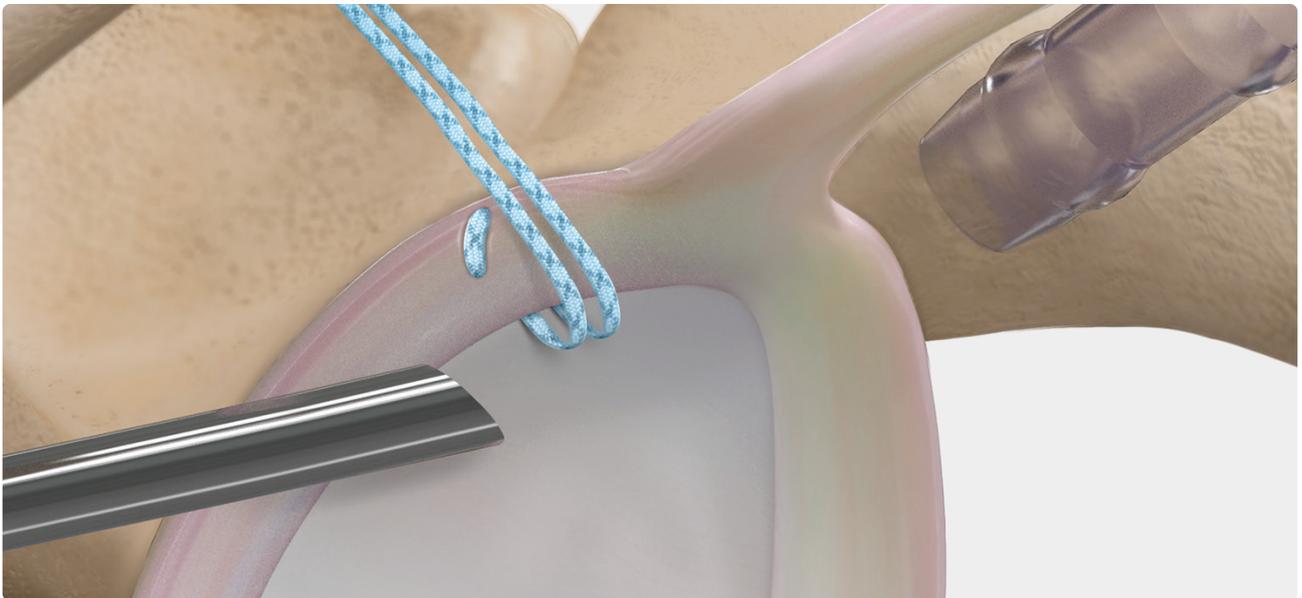
**01**

Insert the SutureLasso™ suture passer, which is preloaded with SutureTape FiberStick suture, into a cannula and pass it through the capsulolabral tissue. Advance the suture through the suture passer and retrieve it through a separate portal.



**02**

Retract the suture passer, without removing it from the joint, and pass it again through the tissue to achieve the desired mattress spacing and orientation. Retrieve the suture from the suture passer using a FiberTape® KingFisher® grasper.



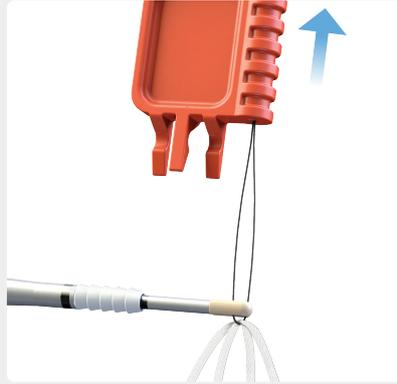
**03**

Retrieve both suture tails through the anchor insertion cannula. Prior to preparing the bone, pass the suture tails through the PushLock® eyelet suture passer. Shuttle the suture tails and secure the suture with a hemostat.

## PushLock® Anchor Insertion



Pass the suture tails through the threader



Shuttle the suture tails



Secure the suture with a hemostat



**01**

Insert the spear through the cannula with the passed suture, placing it onto the glenoid rim. Fully advance the drill through the spear until its collar makes contact with the spear's handle. Advance the PushLock anchor into the joint and tension the suture to approximate the labral tissue to the eyelet.



**02**

While releasing the suture tails, advance the driver into the bone socket until the anchor body contacts the bone. If additional tension is needed to reduce the labral tissue to the bone, pull on the suture tails while keeping a firm grasp of the driver. The final tension is attained when the anchor is in contact with the bone.



**03**

Remove the orange packaging clip. Tap the metal button on the driver handle to advance the anchor body until the proximal laser line is flush with the bone. Remove the driver by rotating it counterclockwise for 6 full revolutions.



**04**

Cut the sutures flush using an open-ended FiberWire® suture cutter.

## Ordering Information

### Suture Anchors

BioComposite PushLock® Anchor, 2.4 mm × 11.3 mm	AR-2922BC
PEEK PushLock Anchor, 2.4 mm × 11.3 mm	AR-2922PS
BioComposite Short PushLock Anchor, 2.9 mm × 12.5 mm	AR-2923BC
PEEK Short PushLock Anchor, 2.9 mm × 12.5 mm	AR-2923PS

### Implant System

Short 2.9 mm BioComposite PushLock Implant System (Includes 2.9 mm short BioComposite PushLock anchor, FiberLink SutureTape, and 2.9 short PushLock Percutaneous Kit)	AR-2923BCS
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### Required Instrument Options

Spear, Trocar, and Blunt-Tip Obturator for 2.8 FASTak™ II, 3 mm SutureTak®, and 2.4 mm and 2.9 mm PushLock Anchors	AR-1949
Drill for 2.4 mm PushLock Anchor, sterile	AR-2922D-24-2
Drill for 2.4 mm PushLock Anchor, hard bone, sterile	AR-2922D-24-3
Drill for Short 2.9 mm PushLock Anchor	AR-2923D
Drill for Short 2.9 mm PushLock Anchor, sterile	AR-2923D-ST
Drill for Short 2.9 mm PushLock Anchor, hard bone	AR-2923DT
Drill for Short 2.9 mm PushLock Anchor, hard bone, sterile	AR-2923DT-ST

### Disposables

Disposables Kit for Short 2.9 mm PushLock Anchor, w/ metal spear, trocar, and drill	AR-2923DS
Percutaneous Insertion Kit for 2.9 mm PushLock Anchor (includes spear, dilator, needle w/ stylet, guide pin, drill, and cannula)	AR-1923PK
Percutaneous Insertion Kit for 2.4 mm PushLock Anchor (includes spear, dilator, needle w/ stylet, guide pin, drill, and cannula)	AR-2922PK
Disposable Offset Guide for 2.8 mm FASTak, 3 mm SutureTak, and 2.4 mm and 2.9 mm PushLock Anchors	AR-1934GS
Disposable Spear and Trocar-Tip Obturator for 2.8 mm FASTak, 3 mm SutureTak, and 2.4 mm and 2.9 mm PushLock Anchors	AR-1949S
ShaverDrill™ Instrument for 2.4 mm PushLock Anchor	AR-2922DSR-24
ShaverDrill Instrument for 2.4 mm PushLock Anchor, hard bone	AR-2922DTSR-24
ShaverDrill™ Instrument for Short 2.9 mm PushLock Anchor	AR-2923DSR

### Optional Instruments

Offset Guide for 2.8 mm FASTak II, 3 mm SutureTak, and 2.4 mm and 2.9 mm PushLock Anchors	AR-1934R
Spear w/ Circumferential Teeth and Trocar-Tip Obturator for 2.8 mm FASTak II, 3 mm SutureTak, and 2.4 mm and 2.9 mm PushLock Anchors	AR-1946
Mini Suture Cutter, 3.4 mm, straight (use w/ metal cannula [AR-1923MCS])	AR-13255
Mini Suture Cutter, 3.4 mm, straight, w/ WishBone™ handle (use with metal cannula [AR-1923MCS])	AR-13255W
Mini FiberTape® Retriever, w/ self-ratcheting handle	AR-12974SR
Mini FiberTape Retriever, w/ nonratcheting handle	AR-12974NR
Mini FiberTape Retriever, w/ WishBone handle	AR-12974W

### Suture Options

<b>SutureTape</b>	
SutureTape, 1.3 mm, 40 in (white/blue) w/ tapered needle, 26.5 mm, ½ circle	AR-7500
SutureTape, 1.3 mm, 40 in (white/black) w/ tapered needle, 26.5 mm, ½ circle	AR-7500T
SutureTape, x-pattern, 1.3 mm, two 40 in sutures (white/blue and white/black)	AR-7501
SutureTape, x-pattern, 1.3 mm, two 40 in sutures (black/white and blue/blue)	AR-7501T
SutureTape, 1.3 mm, 40 in (blue/dark blue), w/ tapered needle, 36.6 mm, ½ circle	AR-7506
SutureTape, 1.3 mm, 40 in (black/white), w/ tapered needle, 36.6 mm, ½ circle	AR-7506T
<b>FiberLink SutureTape</b>	
FiberLink SutureTape, 1.3 mm w/ SutureTape Loop, 26 in (white/blue)	AR-7535
TigerLink SutureTape, 1.3 mm w/ SutureTape Loop, 26 in (white/black)	AR-7535T
FiberLink SutureTape Plus, 1.7 mm, w/ loop (white/blue)	AR-7538
TigerLink SutureTape Plus, 1.7 mm, w/ loop (white/black)	AR-7538T
<b>LabralTape™ Suture</b>	
LabralTape Suture, 1.5 mm, 36 in (white)	AR-7276
LabralTape Suture, 1.5 mm, 36 in (white/black)	AR-7276T
<b>FiberWire® and TigerWire® Suture</b>	
#1 FiberWire Suture, 38 in (blue)	AR-7216
#2 FiberWire Suture, 38 in (blue)	AR-7233
#2 TigerWire Suture, 38 in (white/black)	AR-7203
<b>FiberStick™ and TigerStick® Suture</b>	
FiberStick Suture, #2 FiberWire Suture, 50 in (blue), one end stiffened 12 in	AR-7209
TigerStick Suture, #2 TigerWire Suture, 50 in (white/black), one end stiffened 12 in	AR-7209T
FiberStick suture, 1.3 mm SutureTape, 50 in blue/blue, one end stiffened 13 in	AR-7509
FiberStick suture, 1.3 mm SutureTape, 50 in (black/white), one end stiffened 13 in	AR-7509T
<b>FiberLink™ and TigerLink™ Suture</b>	
FiberLink Suture, #2 FiberWire Suture w/ closed loop, 26 in (blue)	AR-7235
TigerLink Suture, #2 TigerWire Suture w/ closed loop, 26 in (white/black)	AR-7235T

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