PushLock®
Knotless Instability Repair

Arthrex®
PushLock Knotless Suture Anchors

Introduction
The unique design of the PushLock anchor provides a secure labral repair while eliminating arthroscopic knots and the potential damage they may cause. The PushLock technique provides the ability to independently pass the suture through the capsule or labrum and adjust tissue tension prior to anchor implantation.

Advantages
- Knotless techniques save surgical steps and 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 First” technique allows for multiple stitch configurations
- Suture tension is visualized and adjusted prior to anchor insertion

Key Instrumentation

*Recommended to use with #1 FiberWire
**PushLock “Suture First” Knotless Stitch Configurations**

*Low profile, smooth suture repair with no risk of knot impingement*

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**Knotless Simple Stitch**

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**FiberWire® and TigerWire®**
- #1 FiberWire, 38” (blue) AR-7216
- #2 FiberWire, 38” (blue) AR-7233
- #2 TigerWire, 38” (white/black) AR-7203

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**LabralTape™**
Smooth, low profile 1.5 mm tape provides 37% greater tissue cut-through resistance than #2 suture.**
LabralTape, 1.5 mm, 36” (white) AR-7276

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**Knotless Mattress Stitch**

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**FiberStick™ and TigerStick®**
The 12” stiffened section allows easy advancement through most cannulated SutureLassos™, eliminating the need for a separate shuttling step.
FiberStick, #2 FiberWire, 50” (blue) AR-7209
TigerStick, #2 TigerWire, 50” (white/black) AR-7209T

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**Knotless Cinch Stitch**

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**FiberLink™ and TigerLink™**
FiberLink transitions from a single strand to an extended loop to allow easy creation of a cinch stitch.
FiberLink, #2 FiberWire w/loop (blue) AR-7235
FiberLink, #2 FiberWire w/loop (white/black) AR-7235T

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**Data on file**
**Simple Stitch with FiberWire or LabralTape**

1. Insert the SutureLasso into a cannula and pass it through the capsulolabral tissue. Advance the Nitinol wire loop through the SutureLasso and retrieve it through a separate portal using a KingFisher®.

2. Load the suture through the Nitinol wire loop. Retract the SutureLasso and wire shuttling the suture through the tissue. Retrieve both suture tails through the anchor insertion cannula.

**Simple Stitch with FiberStick**

1. Insert the SutureLasso pre-loaded with FiberStick, into a cannula and pass it through the capsulolabral tissue. Advance the FiberStick through the SutureLasso and retrieve it through a separate portal using a KingFisher.

2. Retrieve both suture tails through the anchor insertion cannula.
Insert the SutureLasso into a cannula and pass it through the capsulolabral tissue. Advance the Nitinol wire loop through the SutureLasso and retrieve it through a separate portal using a KingFisher.

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

Load the FiberLink through the Nitinol wire loop. Retract the SutureLasso and wire shuttling the FiberLink through the tissue. Retrieve both FiberLink ends through the anchor insertion cannula.
**Suture First: Mattress Stitch**

**Mattress Stitch with FiberStick**

1. Insert the SutureLasso pre-loaded with FiberStick, into a cannula and pass it through the capsulolabral tissue. Advance the FiberStick through the SutureLasso and retrieve it through a separate portal using a KingFisher.

2. Retract the SutureLasso, without removing it from the joint, and pass it again through the tissue to achieve the desired mattress spacing and orientation. Retrieve the FiberStick out of the SutureLasso using a KingFisher.

3. Retrieve both suture tails through the anchor insertion cannula.

*Inset: Vertical mattress, courtesy of Neal ElAttrache, MD*
Preload the FiberWire tails through the PushLock eyelet and place a hemostat on the suture tails to speed insertion after the bone socket is drilled.

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

Remove the orange packaging clip and 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 six full revolutions.

Advance the driver into the bone socket, while releasing the suture tails, 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.

Cut the sutures flush using an open-ended FiberWire Suture Cutter.
## Ordering Information

### 2.4 mm and 2.9 mm PushLock

<table>
<thead>
<tr>
<th>Implants:</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>PEEK PushLock, 2.4 mm x 14 mm</td>
<td>AR-2922PS</td>
</tr>
<tr>
<td>BioComposite PushLock, 2.9 mm x 15.5 mm</td>
<td>AR-1923BC</td>
</tr>
<tr>
<td>BioComposite Short PushLock, 2.9 mm x 12.5 mm</td>
<td>AR-2923BC</td>
</tr>
<tr>
<td>PEEK PushLock, 2.9 mm x 15.5 mm</td>
<td>AR-1923PS</td>
</tr>
<tr>
<td>PEEK Short PushLock, 2.9 mm x 12.5 mm</td>
<td>AR-2923PS</td>
</tr>
<tr>
<td>Bio-PushLock, 2.9 mm x 15.5 mm</td>
<td>AR-1923B</td>
</tr>
</tbody>
</table>

#### Required Instruments:
- Spear, Trocar and Blunt Tip Obturator for 2.4 mm and 2.9 mm PushLock
- Drill for 2.4 mm PushLock
- Drill for 2.9 mm PushLock
- Drill for short 2.9 mm PushLock (hard bone)
- Drill for 3.5 mm PushLock
- Spear w/Circumferential Teeth, Trocar Tip Obturator
- Spade Tip Drill for 3.5 mm PushLock
- Metal Cannula for 3.5 mm PushLock
- Disposables Kit for 3.5 mm PushLock

#### Optional Instruments:
- Offset Guide for 2.4 mm and 2.9 mm PushLock
- Spear w/Circumferential Teeth, Trocar Tip Obturator for 2.4 mm and 2.9 mm PushLock
- Spade Tip Drill for 2.9 mm PushLock
- Disposable Offset Guide for 2.4 mm and 2.9 mm PushLock
- Disposable Spear, Trocar Tip Obturator for 2.4 mm and 2.9 mm PushLock
- Disposables Kit for 2.9 mm PushLock (w/metal spear and drill)
- Metal Cannula Set for 2.9 mm PushLock
- Disposable Silicone Dam for AR-1923MCS
- Suture Cutter, 3.4 mm, straight (fits through metal cannula)

### 3.5 mm PushLock

<table>
<thead>
<tr>
<th>Implants:</th>
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</thead>
<tbody>
<tr>
<td>BioComposite PushLock, 3.5 mm x 19.5 mm</td>
<td>AR-1926BC</td>
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<tr>
<td>PEEK PushLock, 3.5 mm x 19.5 mm</td>
<td>AR-1926PS</td>
</tr>
<tr>
<td>Bio-PushLock, 3.5 mm x 19.5 mm</td>
<td>AR-1926B</td>
</tr>
</tbody>
</table>

#### Required Instruments:
- Spear, Trocar Tip Obturator for 3.5 mm PushLock

#### Optional Instruments:
- Offset Guide for 3.5 mm PushLock
- Spear w/Circumferential Teeth, Trocar Tip Obturator
- Spade Tip Drill for 3.5 mm PushLock
- Metal Cannula for 3.5 mm PushLock
- Disposables Kit for 3.5 mm PushLock

### 3.5 mm PushLock

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>LabralTape, 1.5 mm, 36” tape (white)</td>
<td>AR-7276</td>
</tr>
<tr>
<td>#2 FiberWire, 38” (blue)</td>
<td>AR-7233</td>
</tr>
<tr>
<td>#2 TigerWire, 38” (white/black)</td>
<td>AR-7203</td>
</tr>
<tr>
<td>#1 FiberWire, 38” (blue) (for 2.4 mm PushLock)</td>
<td>AR-7216</td>
</tr>
<tr>
<td>FiberLink w/closed Loop, 26” (blue)</td>
<td>AR-7235T</td>
</tr>
<tr>
<td>TigerLink w/closed Loop, 26” (white/black)</td>
<td>AR-7235</td>
</tr>
<tr>
<td>FiberStick, #2 FiberWire, 50” (blue), one end stiffened, 12”</td>
<td>AR-7209</td>
</tr>
<tr>
<td>TigerStick, #2 TigerWire, 50” (white/black), one end stiffened, 12”</td>
<td>AR-7209T</td>
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This description of technique is provided as an educational tool and clinical aid to assist properly licensed medical professionals in the usage of specific Arthrex products. As part of this professional usage, the medical professional must use their professional judgment in making any final determinations in product usage and technique. In doing so, the medical professional should rely on their own training and experience and should conduct a thorough review of pertinent medical literature and the product’s Directions For Use.

U.S. PATENT NOS. 6,716,234; 6,991,636; 7,029,490; 7,147,651; 7,329,272; 7,993,369 and PATENTS PENDING.

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