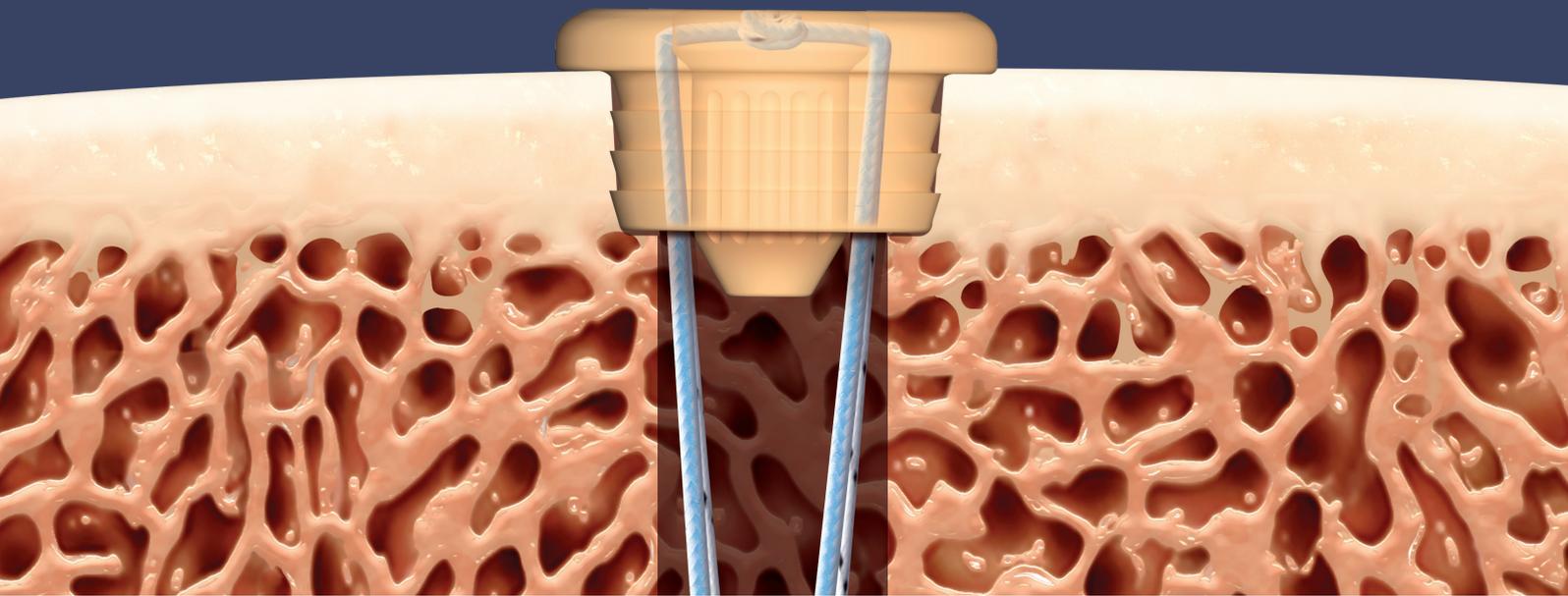


# TensionLoc™ Implant System for Ligament Reconstruction

Surgical Technique



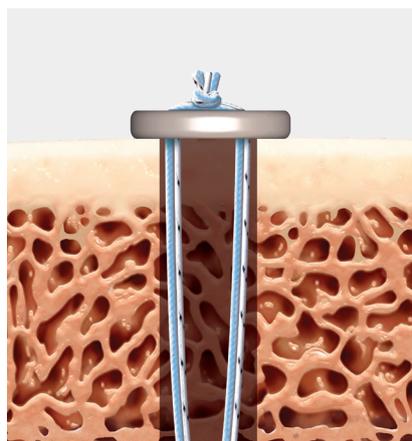
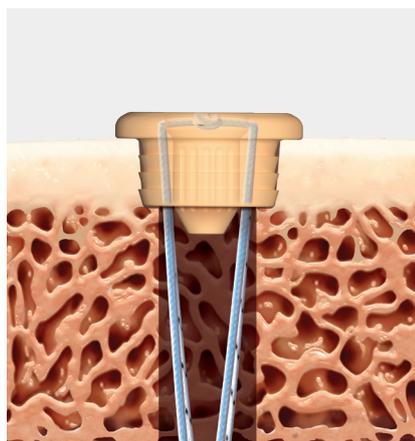
**Arthrex**® 

# TensionLoc™ Implant System

The 2-piece TensionLoc implant system is designed to fix suture during ligament reconstruction procedures.



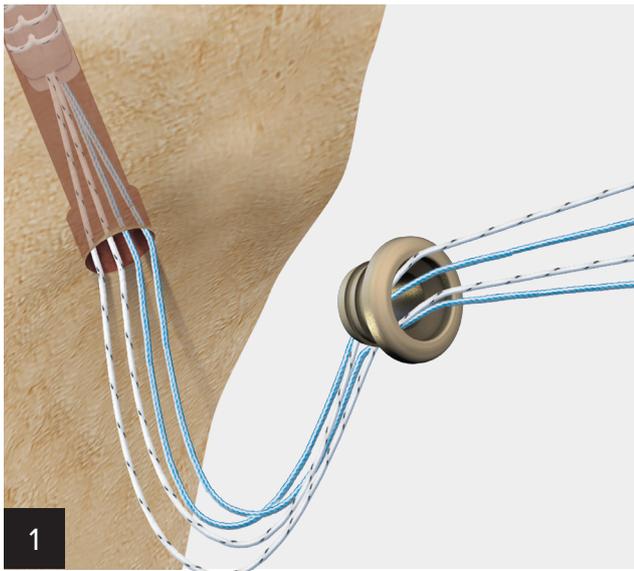
## Features and Benefits



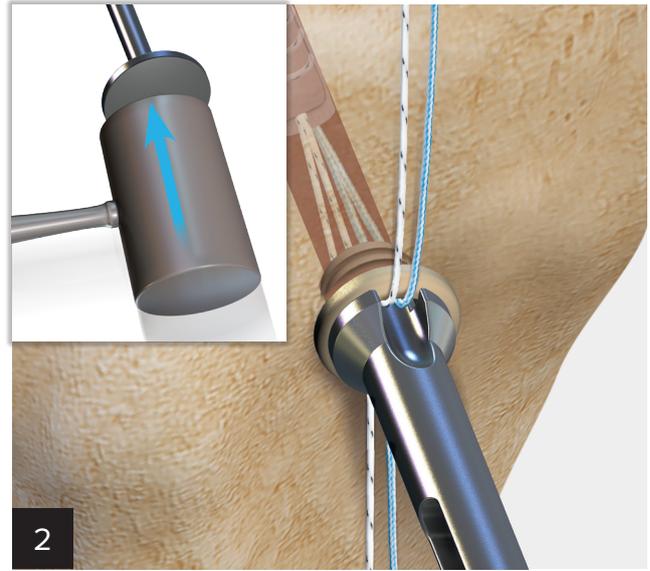
Tunnel	Implant
6 mm	7 mm
7 mm	7 mm
8 mm	10 mm
9 mm	10 mm
10 mm	10 mm
11 mm	12 mm
12 mm	12 mm

The TensionLoc implant is a unique alternative to standard suture buttons that allows maintenance of suture tension during knot tying. The low-profile PEEK implant sits flush and securely within the tunnel.

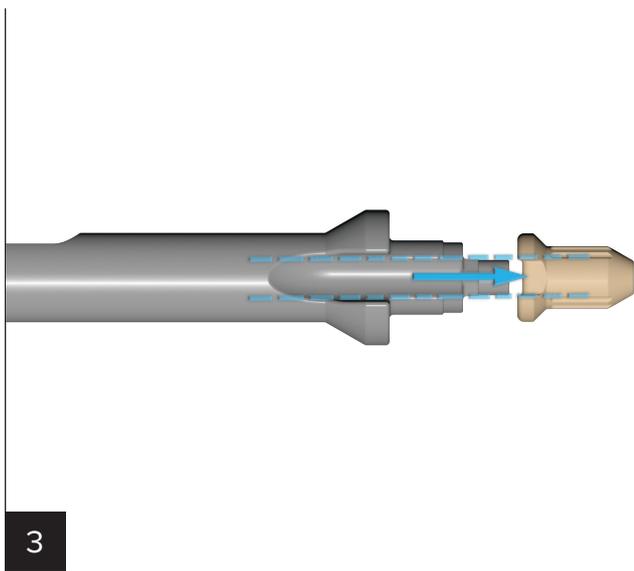
- Strong initial fixation maintains graft tension for final fixation
- Does not appear on x-ray
- Seals off the tibial tunnel to surround the graft with all the healing properties inside the proximal tibia
- Low-profile to avoid irritating surrounding soft tissue



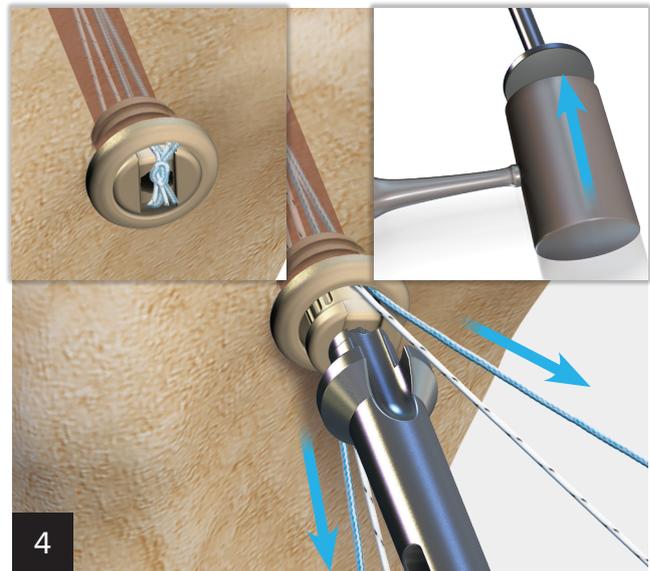
Thread the sutures through the collar and insert the collar into the bone tunnel using the impactor. A guidewire may be used during collar insertion.



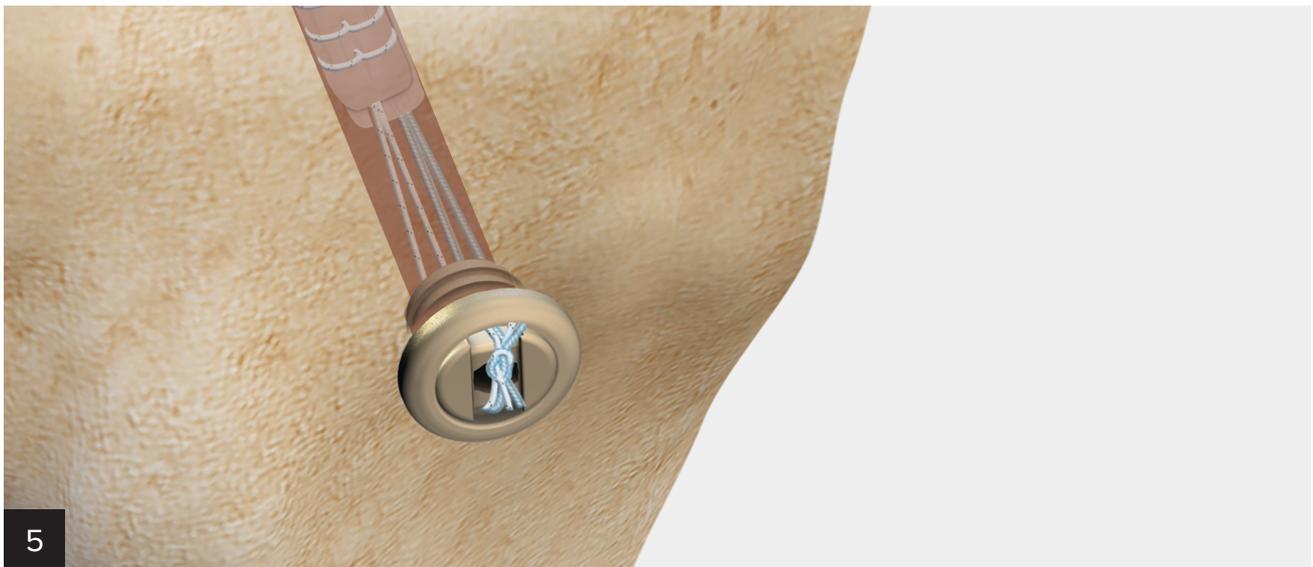
Place the impact driver into the collar with corresponding sutures exiting the collar through the impactor slots. **Note the position of the slots and suture for insertion of the plug.**



Insert the plug onto the impactor. **Note the 12 and 6 o'clock suture orientation in conjunction with the impactor orientation slots.**



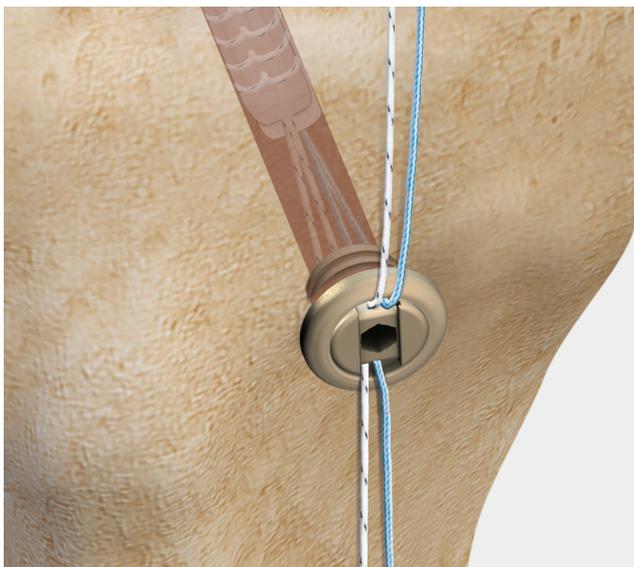
Tension the sutures and insert the plug (a guidewire may be used) between the sutures until the plug is flush with the surrounding collar. Tie a surgeon's knot vertically into the plug slot for final fixation. **Note: All plug, suture, and impactor slots MUST be oriented at 12 and 6 o'clock to provide optimum fixation.**



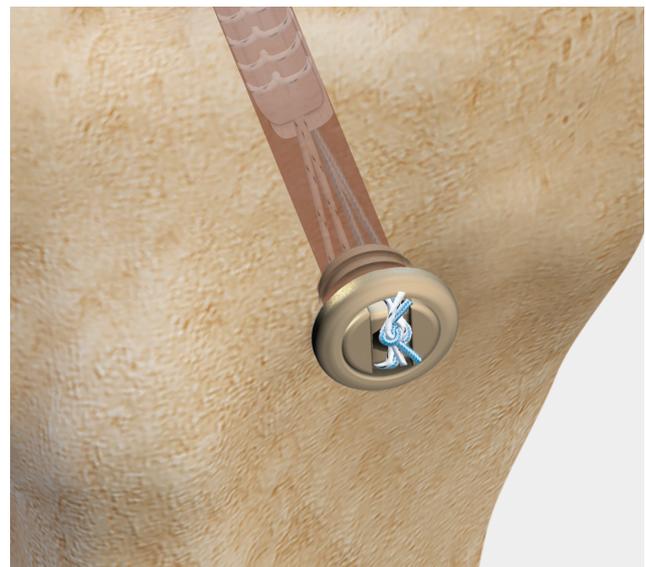
Final Fixation.

## Implant Removal

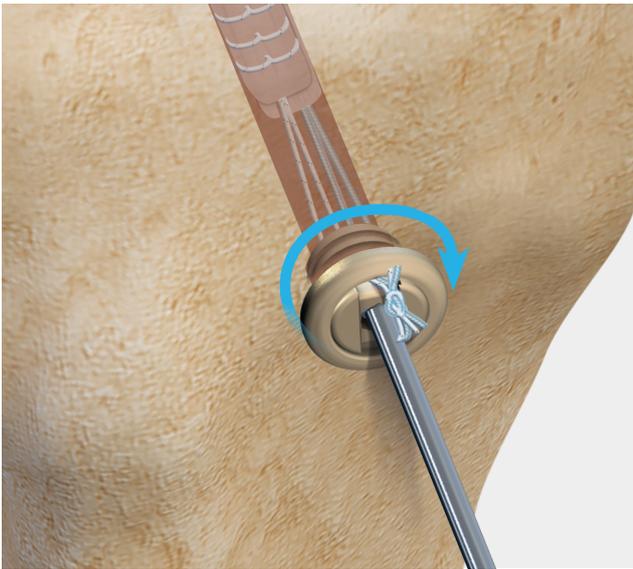
In the event the TensionLoc™ plug needs to be removed during the procedure or the implant is revised in a second procedure, the extractor may be used to remove the implant.



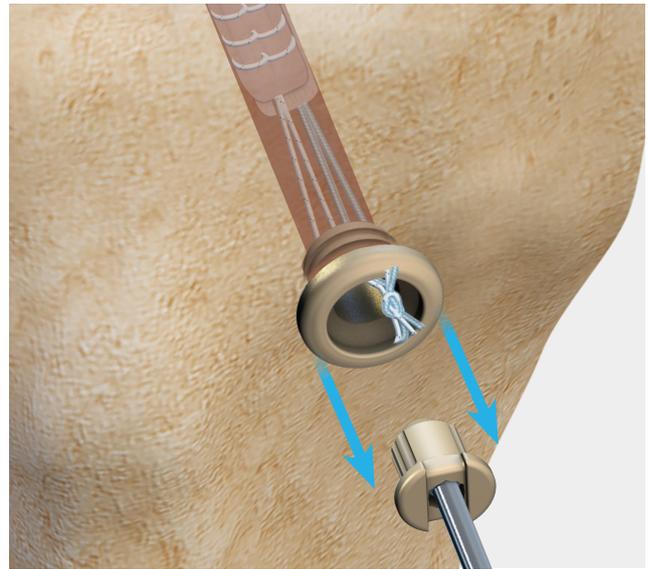
**Removing the plug:** To adjust suture tension after plug insertion but before tying final knot fixation, follow the revision procedure to remove the plug and retention sutures appropriately. Tie graft sutures over the plug while resting vertically in the plug slot.



**Removing TensionLoc implant:** To remove the implant, cut the suture knot and use the threaded slap hammer in the set to remove the plug.



Insert the threaded tip of the slap hammer clockwise into the hex drive of the plug until threads are not visible or the plug begins to rotate in the collar.



Support the collar against the tibia with an elevator. Use weight on the slap hammer to extract the plug.

## Ordering Information

### Implants

Product Description	Item Number
TensionLoc™ Plug and Collar Implant, 7 mm	AR-5207
TensionLoc Plug and Collar Implant, 10 mm	AR-5210
TensionLoc Plug and Collar Implant, 12 mm	AR-5212

### Instruments

Product Description	Item Number
<b>TensionLoc Instrument Set</b>	<b>AR-5200S</b>
TensionLoc Reamer, 7 mm	AR-5207R
TensionLoc Reamer, 10 mm	AR-5210R
TensionLoc Reamer, 12 mm	AR-5212R
Impact Driver	AR-5201
Graft Extractor for Coring Reamer	AR-1232
Slap Hammer	AR-2964SH

### Suture Options

Product Description	Item Number
#2 FiberWire® Suture	AR-7246
#2 FiberLoop® Suture w/ Straight Needle 20 in, (blue)	AR-7234
#2 TigerLoop® Suture, braided polyblend suture, white/green looped w/ 20 in working length straight needle	AR-7234T
#2 FiberLoop Suture, braided polyblend blue suture looped w/ 20 in working length curved needle	AR-7234C
#2 FiberLoop Suture w/Swaged Straight Needle	AR-7284
FiberLoop Suture w/ FiberTag® Suture and Straight Needle	AR-7264
FiberLoop Suture w/ FiberTag and Swaged Straight Needle	AR-7266
#2 FiberWire Suture w/ Straight Needle, (blue)	AR-7246
#2 FiberWire Suture w/ Two Straight Needles	AR-7246-02

Products may not be available in all markets because product availability is subject to the regulatory approvals and medical practices in individual markets. Please contact your Arthrex representative if you have questions about the availability of products in your area.





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. Postoperative management is patient-specific and dependent on the treating professional's assessment. Individual results will vary and not all patients will experience the same postoperative activity level or outcomes.

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