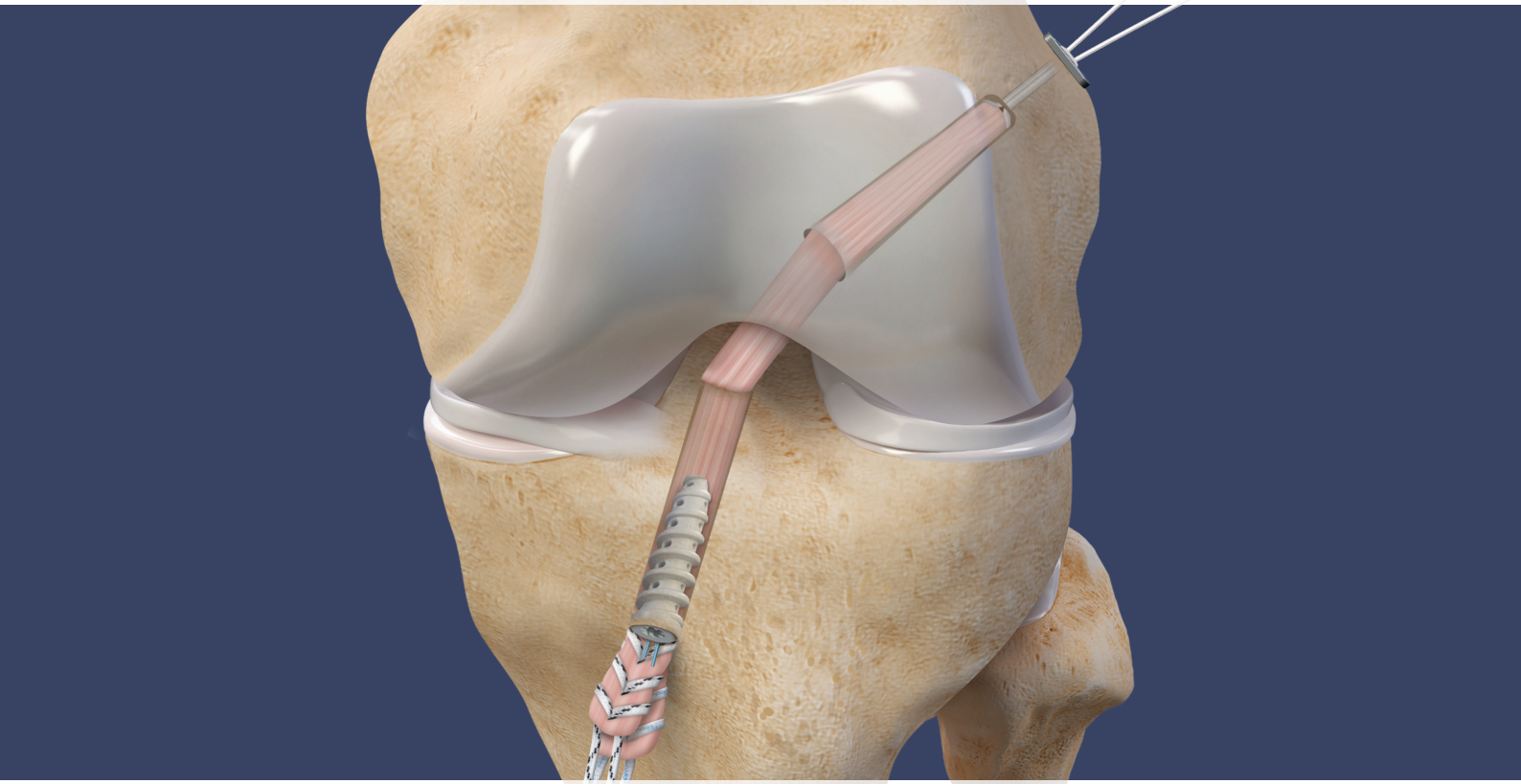
ACL TightRope® RT for Femoral Fixation

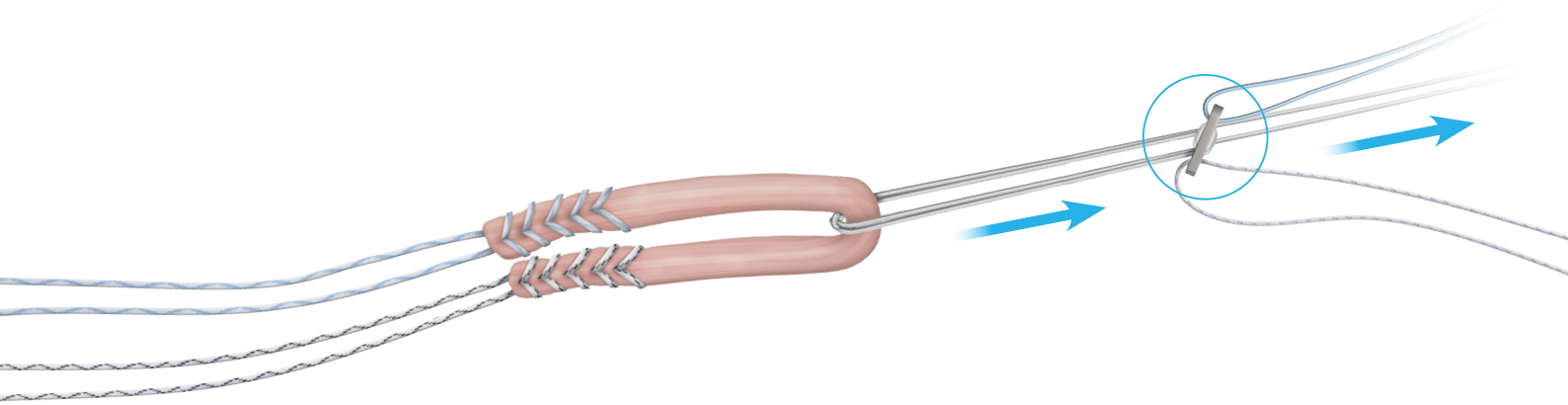
Surgical Technique



Arthrex®

Moving ACL Graft Fixation in a New Direction

The ACL TightRope® construct has revolutionized cortical fixation by allowing intraoperative adjustability of cortical fixation while providing a stiff, strong construct due to the proprietary 4-point locking system. The ACL TightRope RT-J provides another option that allows surgeons to adjust the implant by pulling tensioning strands in the same direction of graft advancement. This innovation eliminates the need to retrieve shortening strands from the joint and enables pulling in line with graft advancement.



Surgical Technique

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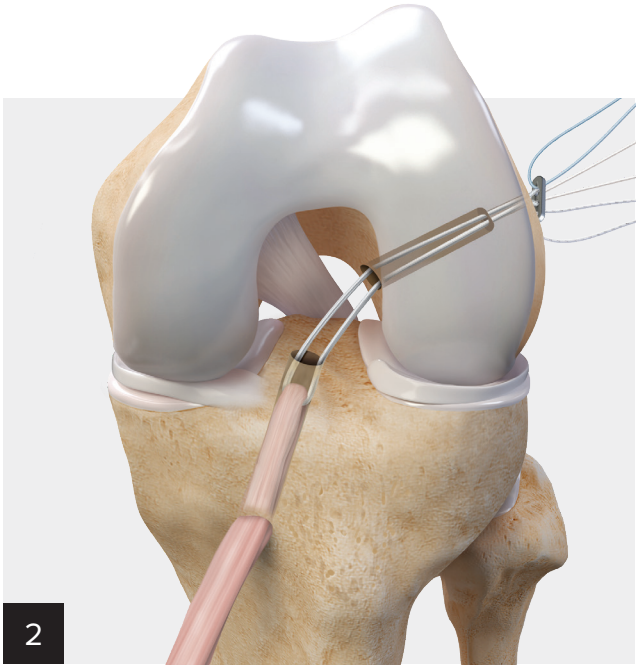
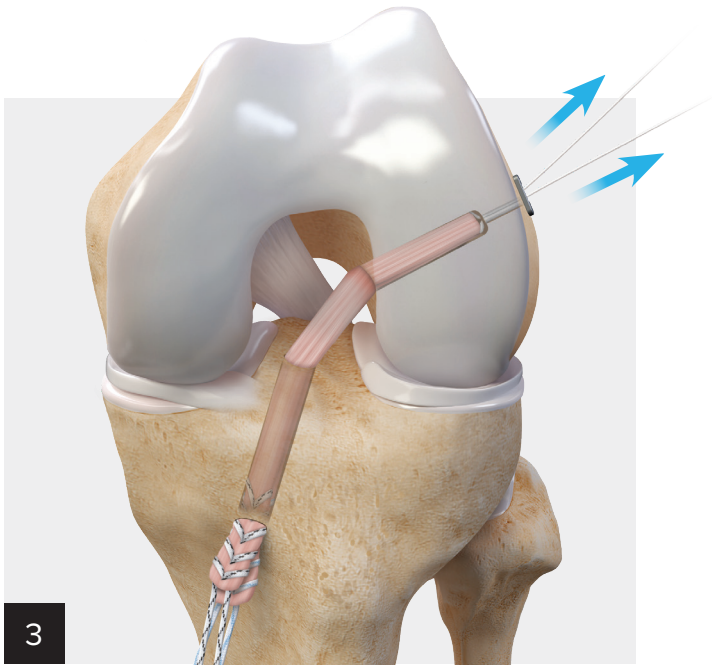
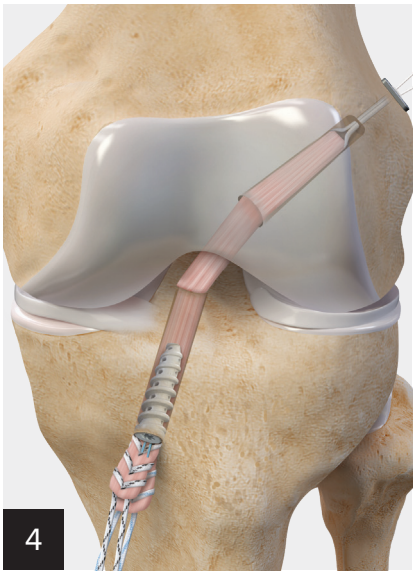
The femoral socket can be prepared in a retrograde fashion using the FlipCutter® III drill and the RetroConstruction™ guide system, or in an antegrade fashion with ACL TightRope drill pin and flexible or low-profile reamers (a). Note the intraosseous length during tunnel prep and mark that distance on the ACL TightRope RT-J implant.

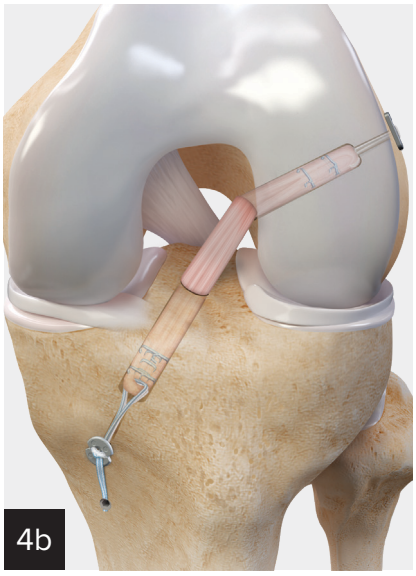


Pass the blue passing suture, white flipping suture, and white tensioning strands together through the femur. Use the blue passing suture to advance the button, while keeping tension on the white tensioning strands to prevent slack from forming and bunching up in the tunnel. Pull the button through the femur and confirm the button is flipped with the white flipping suture. A line on the implant marked at the intraosseous length is helpful to signal that the button has exited the femur.



Hold slight tension on the tibial tails of the graft during graft advancement. To advance the graft, pull on the tensioning strands one at a time, alternating approximately 1 cm on each side. A mark on the graft made at a distance of the femoral socket is helpful in signaling the graft is fully seated. Once the graft is fully seated, pull firmly back on the graft to check fixation. **Note: If desired, advance the graft just shy of the full length of the socket. This will allow retensioning of the graft after tibial fixation has been completed.**





Fix the tibial side of the graft. If desired, and space is left on the femoral side, retension the shortening strands on the femur (4a). Cut the shortening strands with a closed-end TightRope® suture cutter. The ACL TightRope RT-J is an ideal choice for all-inside ACL reconstruction (4b). The RT-J implant can be used for femoral fixation and combined with an TightRope ABS implant and concave ABS button for tibial fixation to facilitate incremental graft advancement and tensioning of both the femoral and tibial ends of the graft.

Ordering Information

Implant

Product Description	Item Number
ACL TightRope® RT Implant, double-loaded passing suture	AR-**1588RT-J**
TightRope ABS Implant, concave button w/ ABS implant and round ABS button, 11 mm	AR-**1588TN-2**
TightRope ABS Implant, concave button w/ ABS implant and round ABS button, 14 mm	AR-**1588TN-3**
TightRope ABS Implant, concave button w/ ABS implant and round ABS button, 20 mm	AR-**1588TN-4**

FlipCutter™ Drilling Option

Product Description	Item Number
FlipCutter III Drill, 6 mm-12 mm	AR-**1204FF**
RetroConstruction™ Drill Guide Set	AR-**1510S**
Double-Loaded BTB TightRope Implant w/ Short FlipCutter Drill Kits, 7 mm-11 mm	AR-**1288-70 –** AR-**1288-110**

Flexible Reamer Option

Product Description	Item Number
Curved Guide for Flexible Pins	AR-**1800F**
Flexible TightRope Drill Pin	AR-**1298FLX**
Flexible Reamer w/ Flexible Guide Pin, 7 mm-11 mm	AR-**1401F-70 –** AR-**1401F-110**

Low-Profile Reamer Option

Product Description	Item Number
Low-Profile Reamers, 5 mm-11 mm	AR-**1405LP –** AR-**1411LP**
ACL TightRope Drill Pin, open eyelet, 4 mm	AR-**1595T**
ACL TightRope Drill Pin, closed eyelet, 4 mm	AR-**1595TC**

Accessories

Product Description	Item Number
TightRope Suture Tensioner	AR-**1588H**
Graft Sizing Block	AR-**1886**
TightRope Suture Cutter	AR-**4520**

Products advertised in this brochure/surgical technique guide may not be available in all countries. For information on availability, please contact Arthrex Customer Service or your local Arthrex representative.

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