RIGIDLOOP™
Cortical Fixation System
surgical technique guide

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CAUTION: USA Law restricts these devices to sale by or on the order of a physician.


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their passion is our passion.

Endobutton

Ultimate strength of loop construct (N)

RIGIDLOOP offers super strength and minimal elongation 1

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Ultimate strength of loop construct (N)

RIGIDLOOP is an easy-to-use cortical fixation system for soft tissue ACL reconstructions. It offers superior fixation strength while minimizing graft laxity with its titanium implant and non-absorbable continuous braided loop design. The implant is preloaded with a white UHMWPE (ultra high molecular weight polyethylene) leading utility suture and a green #5 Ethibond® trailing suture.

The following surgical technique guide is for a femoral soft tissue ACL reconstruction.

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1 / Create the femoral tunnel
Using the 2.4mm passing pin, drill a hole through the lateral femoral condyle. Using the 4.5mm cannulated reamer, create a tunnel by drilling over the passing pin and breaking through the lateral femoral cortex.

2 / Measure the total femoral tunnel length
Remove the passing pin and 4.5mm reamer. Insert the Standard Depth Gauge through the femoral tunnel until the hook rests on the outer lateral femoral cortex. Read the total femoral depth on the gauge.

3 / Determine socket drilling depth and loop size
Select the reamer size that corresponds with the diameter of the graft. Drill the socket to a depth of 10mm greater than the length of the graft in tunnel to allow for deployment of the button.

For example:
- Total femoral tunnel length (from STEP 2) = 35mm
- Desired amount of graft in tunnel = 20mm
- Determine implant size. 35mm of total tunnel length – 20mm of graft in tunnel = 15mm loop
- Determine socket drilling depth. Add 10mm to graft in tunnel to flip the button. (NOTE: a minimum of 6mm is needed to flip the button, but for general ease of use we use 10mm)
- 20mm + 10mm = 30mm socket drill depth

4 / Insert Implant
Pass the graft through the loop until the loop is at the mid-point of the graft. With a surgical marker, make a mark on the graft for the femoral socket drill depth.

Using a passing suture, pull the leading (white) and trailing (green) sutures through the tibial and femoral tunnels.

Use the white leading suture to pull the implant/graft through the femoral tunnel until the mark on the graft is visible at the aperture. Temporarily remove any slack from the green trailing suture as you pull.

5 / Deploy Implant
Deploy, or flip, the button onto the lateral femoral cortex by pulling on the green trailing sutures.

Toggle the green and white sutures and pull on the distal ends of the graft to confirm button has deployed.

Cycle the knee. Perform tibial fixation with an INTRAFIX® Tibial Fastener System. Remove leading and trailing sutures.

RIGIDLOOP XL Implant
The titanium XL implant provides additional width to the standard RIGIDLOOP fixation implant for use with tunnel openings ranging from 6-10mm.

- Slide a reamer size that corresponds with the graft diameter over the passing pin and drill the femoral socket to the indicated depth.
- Slide the 4.5mm reamer over the passing pin and drill through the lateral cortex to create a hole for the button to advance through.