

RIGIDLOOP™

CORTICAL FIXATION SYSTEM



RIGIDLOOP is a cortical fixation system for soft tissue ACL reconstructions. It offers enhanced fixation strength while reducing 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.¹

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

This publication is not intended for distribution in the USA.

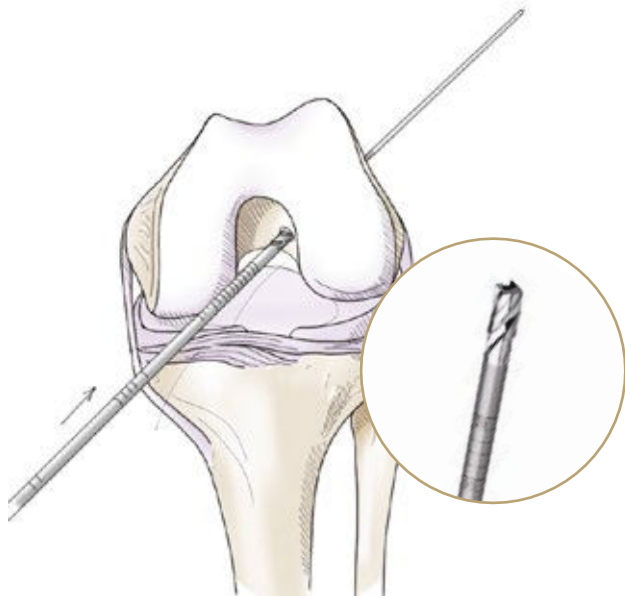
QUICK STEP SURGICAL TECHNIQUE

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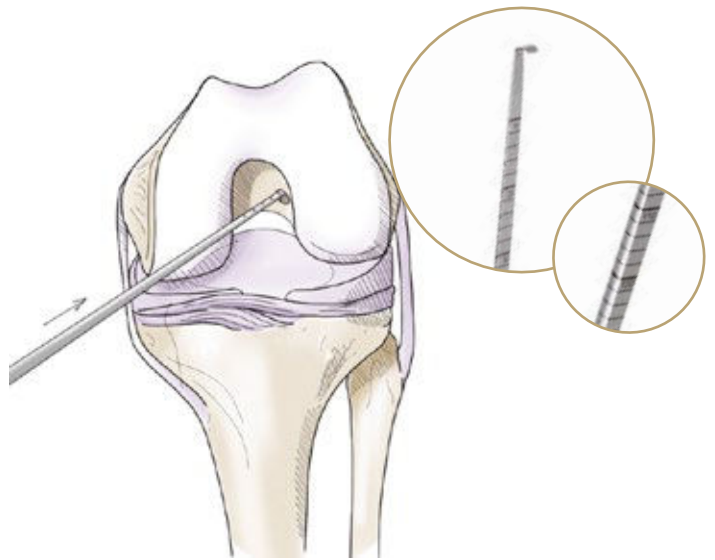
1 Create the femoral tunnel

Using the 2.4 mm passing pin, drill a hole through the lateral femoral condyle. Using the 4.5 mm 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

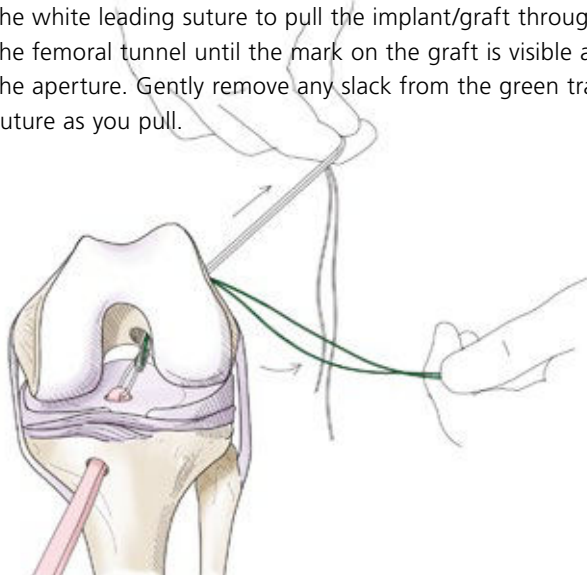
Remove the passing pin and 4.5 mm reamer. Insert the Standard Depth Gauge through the femoral tunnel until the hook rests on the outer lateral femoral cortex. Read the total femoral depth on the gauge.



4 Insert Implant

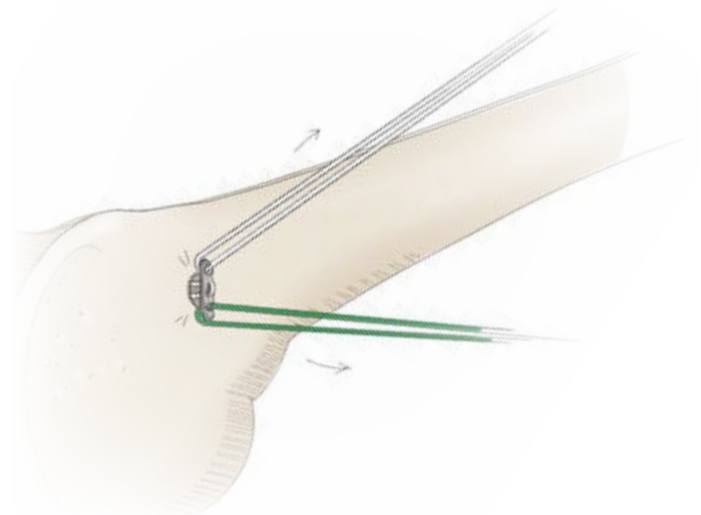
Pass the graft through the loop until the loop is at the mid-point of the graft. With a surgical marker, make a mark on the graft for the femoral socket drill depth.

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. Gently 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.



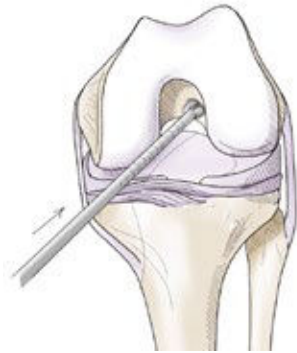
3

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 10 mm greater than the length of the graft in tunnel to allow for deployment of the button.

For example:

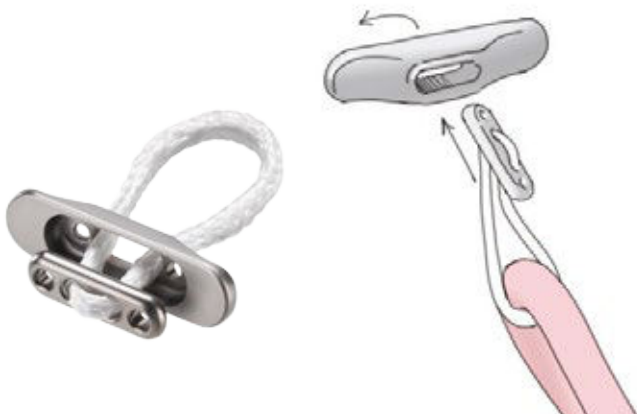
- Total femoral tunnel length (from STEP 2) = 40 mm
- Desired amount of graft in tunnel = 20 mm
- Determine implant size. 40 mm of total tunnel length – 20 mm of graft in tunnel = 20 mm loop. Determine socket drilling depth. Add 10 mm to graft in tunnel to flip the button.
- **(NOTE: a minimum of 6 mm is needed to flip the button, but for general ease of use we use 10 mm)**
- 20 mm + 10 mm = 30 mm socket drill depth



RIGIDLOOP System XL Implant

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

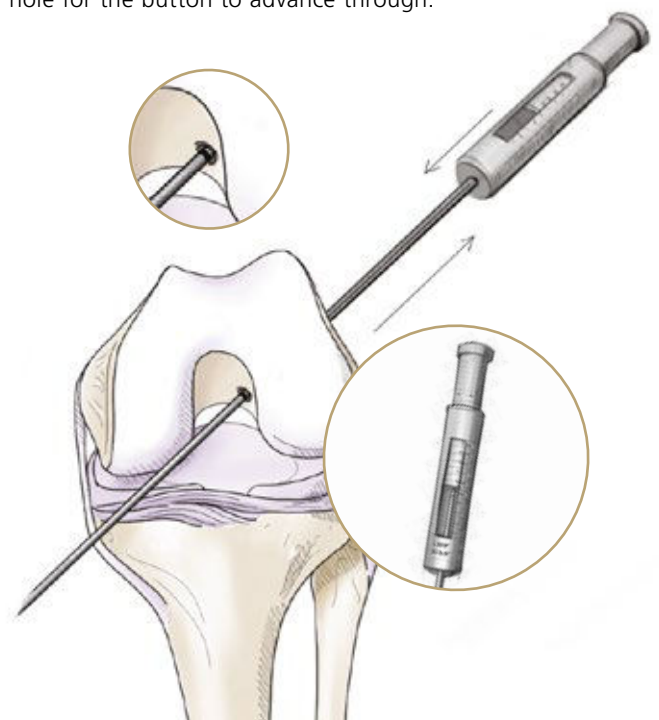
- Remove the leading and trailing sutures on the Standard Implant.
- Pass the Standard Implant through the hole in the XL Implant from the bottom.
- Align the Standard Implant until it sits flush in the recess of the XL Implant.
- Re-insert the leading and trailing sutures through both implants.



Optional

The RIGIDLOOP System Variable Depth Gauge (product code 232031) provides these key measurements without the need to do the calculations.

- Drill the RIGIDLOOP System 2.4 mm passing pin (232025) through the lateral femoral condyle until the laser mark reaches the surface of the intercondylar notch.
- Make a small incision in the skin around the passing pin. Pass the Variable Depth Gauge over the distal end of the passing pin until the tip of the gauge reaches the lateral cortex of the femur.
- Remove the gauge from the passing pin, being careful not to adjust the placement of the inner metal tube.
- Rotate the gauge to view each measurement. First locate the total femoral tunnel value. Rotate the gauge to locate the desired graft in tunnel value. The corresponding implant loop size is located to the right of the graft in tunnel value in the gauge body window. Rotate the gauge again to read the corresponding femoral socket drill depth value.
- 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 4.5 mm reamer over the passing pin and drill through the lateral cortex to create a hole for the button to advance through.



ORDERING INFORMATION



Implants

Cat. No.	Description (Sterile)
232009	RIGIDLOOP 15 mm Fixed Loop Implant
232011	RIGIDLOOP 20 mm Fixed Loop Implant
232014	RIGIDLOOP 25 mm Fixed Loop Implant
232016	RIGIDLOOP 30 mm Fixed Loop Implant
232017	RIGIDLOOP 35 mm Fixed Loop Implant
232018	RIGIDLOOP 40 mm Fixed Loop Implant
232019	RIGIDLOOP 45 mm Fixed Loop Implant
232021	RIGIDLOOP 50 mm Fixed Loop Implant
232022	RIGIDLOOP 55 mm Fixed Loop Implant
232023	RIGIDLOOP 60 mm Fixed Loop Implant
232034	RIGIDLOOP XL Button

Instruments

Cat. No.	Description
232037	RIGIDLOOP ACL Disposables Kit (Sterile)
232025	RIGIDLOOP Beath Pin (Non-Sterile)
232028	RIGIDLOOP 4.5 mm Cannulated Reamer (Non-Sterile)
232030	RIGIDLOOP Standard Depth Gauge (Non-Sterile)
232031	RIGIDLOOP Variable Depth Gauge (Non-Sterile)
232032	RIGIDLOOP Instrument Caddy (Non-Sterile)
232033	RIGIDLOOP Silicon Mat for Instrument Caddy (Non-Sterile)
215451	Instrument tray lid (Non-Sterile)

Reference:

1. IFU-110962

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