

# ▲ MetaLoop

CONTINUOUS LOOP BUTTON



## Surgical Technique

Joint

Spine

Sports Med

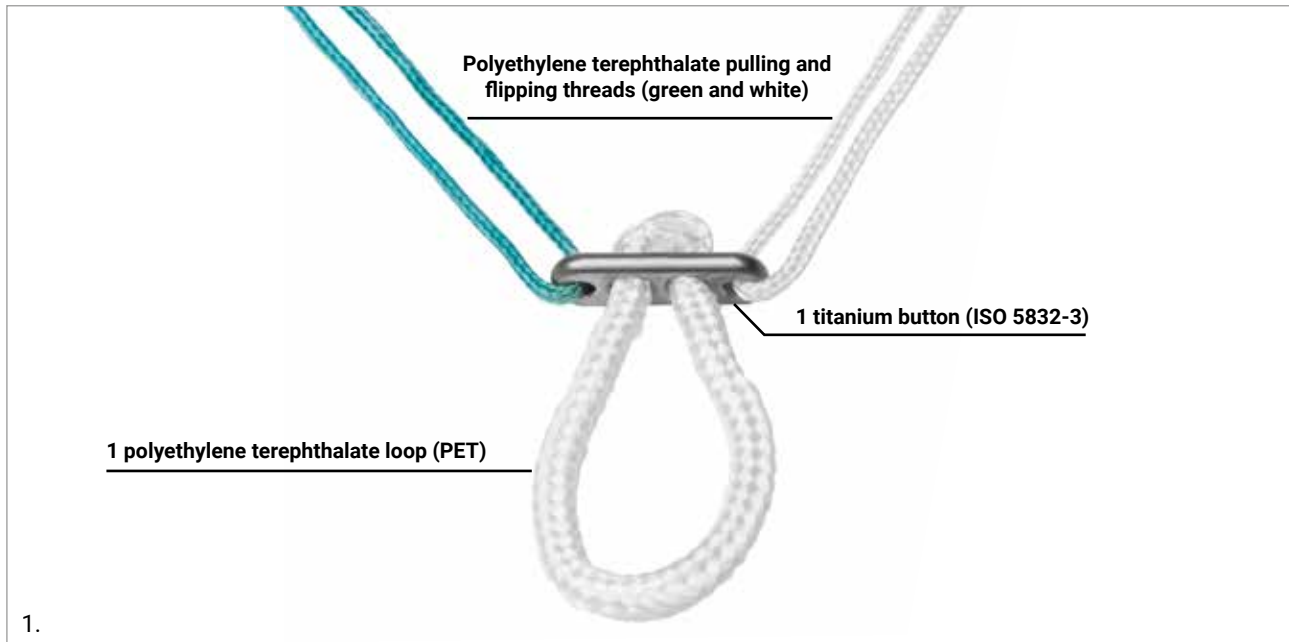


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## 1. TECHNICAL FEATURES

### 1.1 CORTICAL FIXATION SYSTEM FOR ACL RECONSTRUCTION



## 2. RECOMMENDATIONS FOR USE

### 2.1 INDICATIONS

The cortical fixation systems are used for fixation of tendons and ligaments during orthopaedic reconstruction procedures such as anterior cruciate ligament (ACL) reconstruction.

### 2.2 CONTRAINDICATIONS

- Known hypersensitivity to the implant material. Where material sensitivity is suspected, appropriate tests should be made and sensitivity ruled out prior to implantation.
- Insufficient quantity or quality of bone.
- Blood supply insufficiency and previous infections which may retard healing.
- Active infection.

- Conditions which tend to limit the patient's ability or willingness to restrict activities or follow directions during the healing period.
- Not to be used for the bone – patellar tendon – bone technique.
- Do not implant in children while they are growing.

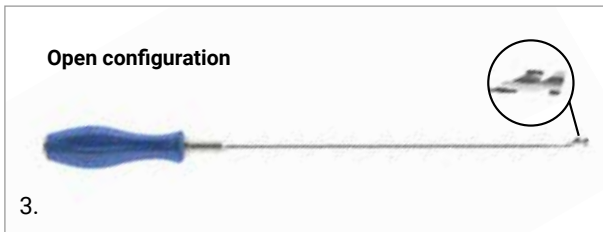
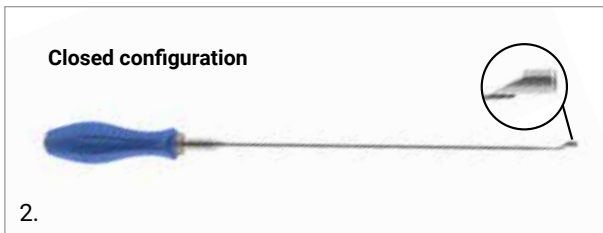
### 2.3 SURGICAL APPROACH

The following semitendinosus technique presents the steps of the In-Out technique for the ACL reconstruction with MectaLoop. MectaLoop can however also be used with other ligaments and tendons. It is the responsibility of the surgeon to verify the instrumentation compatibility. Other surgical approaches are possible and remain the choice of the surgeon.

### 3. SOFT TISSUE ACL RECONSTRUCTION

#### 3.1 HARVEST THE GRAFT

- Harvest with a Medacta Closed (Ref. 05.05.10.0023) or Open (Ref. 05.05.10.0024) Tendon Stripper the semitendinosus tendon alone or with the gracilis tendon.
- Prepare the graft and evaluate the diameter.



#### 3.2 TIBIAL TUNNEL

- To position the tibial tunnel, use the Medacta Tibial Guide (Ref. 05.05.10.0073 and Ref. 05.05.10.0074).
- Adjust the angle of the guide depending on the graft length.
- Drill the tibial tunnel using a drill that matches the graft diameter.



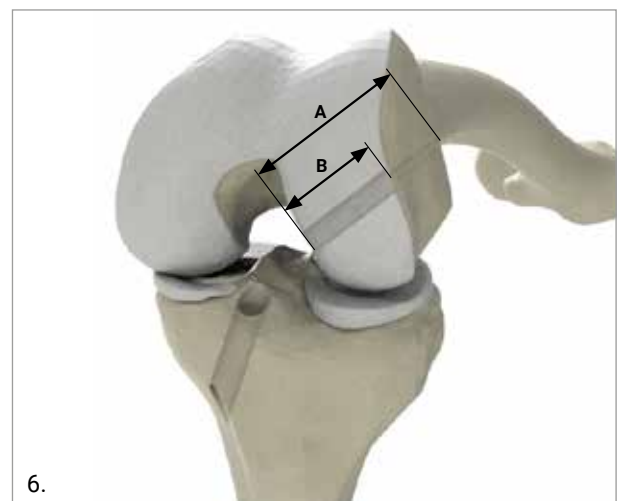
#### 3.3 FEMORAL TUNNEL

- Place the knee in flexion and use either a Medacta Anteromedial Femoral Aimer (Ref. 05.05.10.0085 or Ref. 05.05.10.0086) or a Medacta Transtibial Femoral Aimer (Ref. 05.05.10.0057 or Ref. 05.05.10.0058) to position the femoral tunnel.
- Then use two diameters of reamers to produce the femoral tunnel: one for passing the implant through the tunnel and one corresponding to the graft diameter.



#### 3.4 FEMORAL IMPLANT LOOP LENGTH DETERMINATION

- Loop length = Femoral Tunnel Length (A) – Femoral Socket Drilling Depth (B) + 5 mm. Choose the next size loop length available.
- Example:
  - Femoral tunnel Length (A): 44 mm
  - Femoral Socket Depth (B): 26 mm
  - $44 - 26 + 5 = 23$  mm
  - Implant loop length to be selected: 25 mm



**3.5 IMPLANT POSITIONING**

- Suture the graft as usually done and pass it through the loop.
- Set green or white thread in tension and maintain the other one with no effort applied. This action directs the button in the direction of the tunnel.
- The button must pass the proximal femoral cortex.
- Lock the device: maintain the tension applied to the thread and then set the other. If using the extended plate, please go to next step.
- This action holds the button perpendicular to the femoral cortex, locking the device on the outer femoral cortex.
- Pull back the tibial thread graft to control the fixation.



**3.7 TIBIAL FIXATION**

- Pull back on the tibial thread to set the graft in tension.
- Then use a Medacta MectaScrew to lock the graft.



**3.6 USE OF THE EXTENDED PLATE**

- Remove one of the two threads.
- Slide the extended plate under the button. Ensure that the remaining thread is on the split side to avoid hindering the interlocking.

**4. IMPLANTS NOMENCLATURE**

REF. NO.	DESCRIPTION	PICTURE
05.05.0080	Continuous Loop 15 mm	
05.05.0081	Continuous Loop 20 mm	
05.05.0082	Continuous Loop 25 mm	
05.05.0083	Continuous Loop 30 mm	
05.05.0084	Continuous Loop 35 mm	
05.05.0085	Continuous Loop 40 mm	
05.05.0086	Continuous Loop Extended Plate	

MectaLoop continuous loop button for ACL reconstruction is a class IIb medical device manufactured by COUSIN BIOTECH s.a.s. The CE conformity evaluation has been carried out by the notified body SGS Belgium NV (CE1639). The quality management system of COUSIN BIOTECH s.a.s. has been certified as meeting the requirements of ISO 13485. Please read instructions for use carefully.

Non contractual pictures and texts. Specifications likely to be modified without notice.

Cousin Biotech S.A.S. capital : 340 656 € - 398 460 261 RCS Lille – N°TVA FR 34 398 460 261

Part numbers subject to change.

## NOTE FOR STERILISATION

The instrumentation is not sterile upon delivery. It must be cleaned before use and sterilised in an autoclave in accordance with the regulations of the country, EU directives where applicable and following the instructions for use of the autoclave manufacturer. For detailed instructions please refer to the document "Recommendations for cleaning decontamination and sterilisation of Medacta International orthopaedic devices" available at [www.medacta.com](http://www.medacta.com).



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AND SPINE SURGERY**

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MectaLoop  
Surgical Technique

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