

# Swift Secure Suturing Guide



## Novelties & Outcomes

**Keep using preferred sutures**

**Single Use disposable:  
OR doesn't have to  
sterilize**

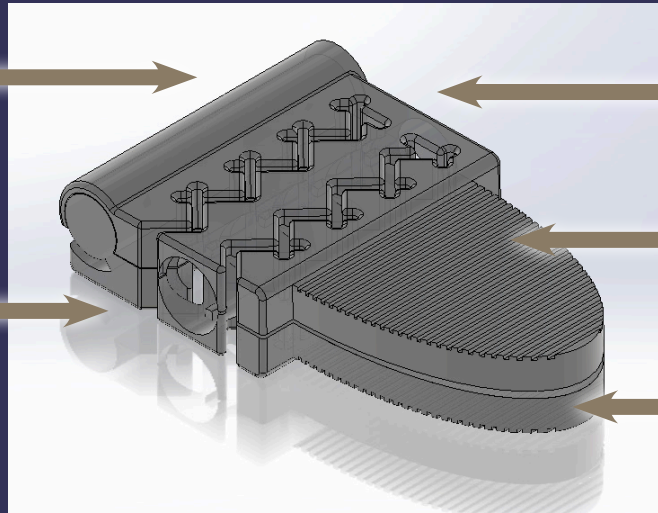
**Consistent suturing  
pattern: strong whip-  
stitched construct**

**Decrease Surgery time  
and cost**

## Product Overview

**Hinge mechanism**

**Graft Inserted into  
inner chamber**



**Guiding Tracks for  
consistent suturing**

**Clipping mechanism  
for secure closure**

**Ergonomic handle  
for easy positioning**

## ACL Reconstruction overview

**100,000 surgeries per year**

**Revision Rate of 7%**

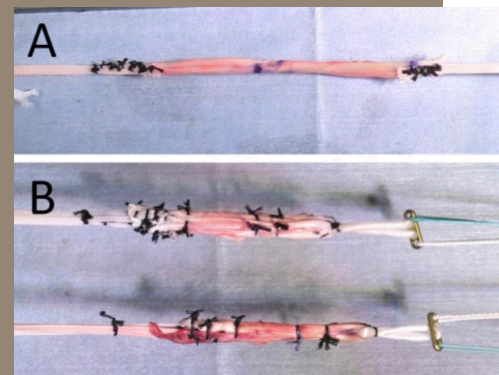
**2 Hour Surgery**

**\$133/minute in the OR**

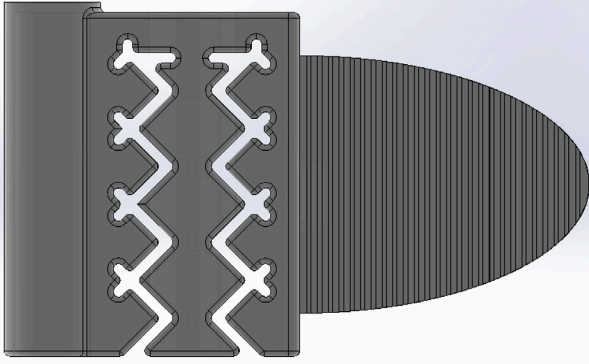
## Problem and Need

- Currently free hand technique
- Excessive handling
- Inconsistent suturing
- Inaccurate suturing
- Weaker constructs

**There is a need to quicken  
and standardize the ACL graft  
preparation process**



# Technical Specifications



**-Lock-and-pinch mechanism:** Allows suturing to be done with or without tension.

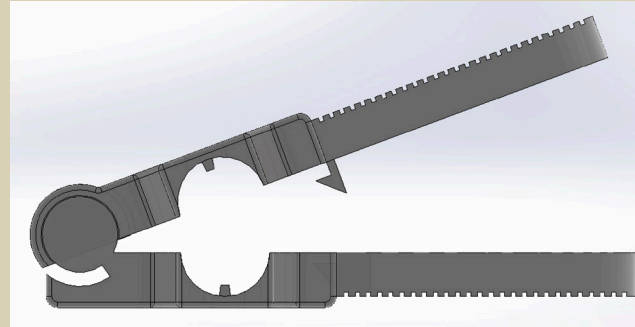
**- Studs:** Hold tendons steady in the tunnel

**- Ribbed handle:** Allows for easy surgical handling and increases clamp force.

**- OPEN Design:** sutures won't get caught on device

**- Pre-sterilized Polycarbonate:** Single use disposable with reliable mechanical properties

**- Guided Path:** Tracks assist to produce the same strong construct every time



## 1- outer length

- 3.5 cm standard tendon length
- Guiding tracks
- Open Design

## 2- inner diameter

- 8mm main diameter
- .5mm notches for smaller constructs

## 3 - other

- 90 degrees hinge
- Pre-packaged polycarbonate



## Contact

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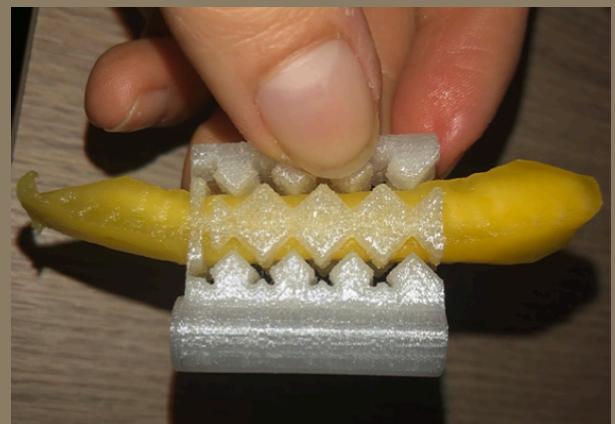
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## Market Analysis

**- Offer alternative to Depuy SPEEDTRAP**

**- Jig design allows for passage of sutures through the tendon construct, increasing strength**



**- Steady increase in total healthcare utilization cost (\$1400 increase from 2005-2013) [Herzog 2017]**

**- Steady increase in ACL tear incidence from 2001-2015 separated by age group [Zbrojkiewicz 2016]**