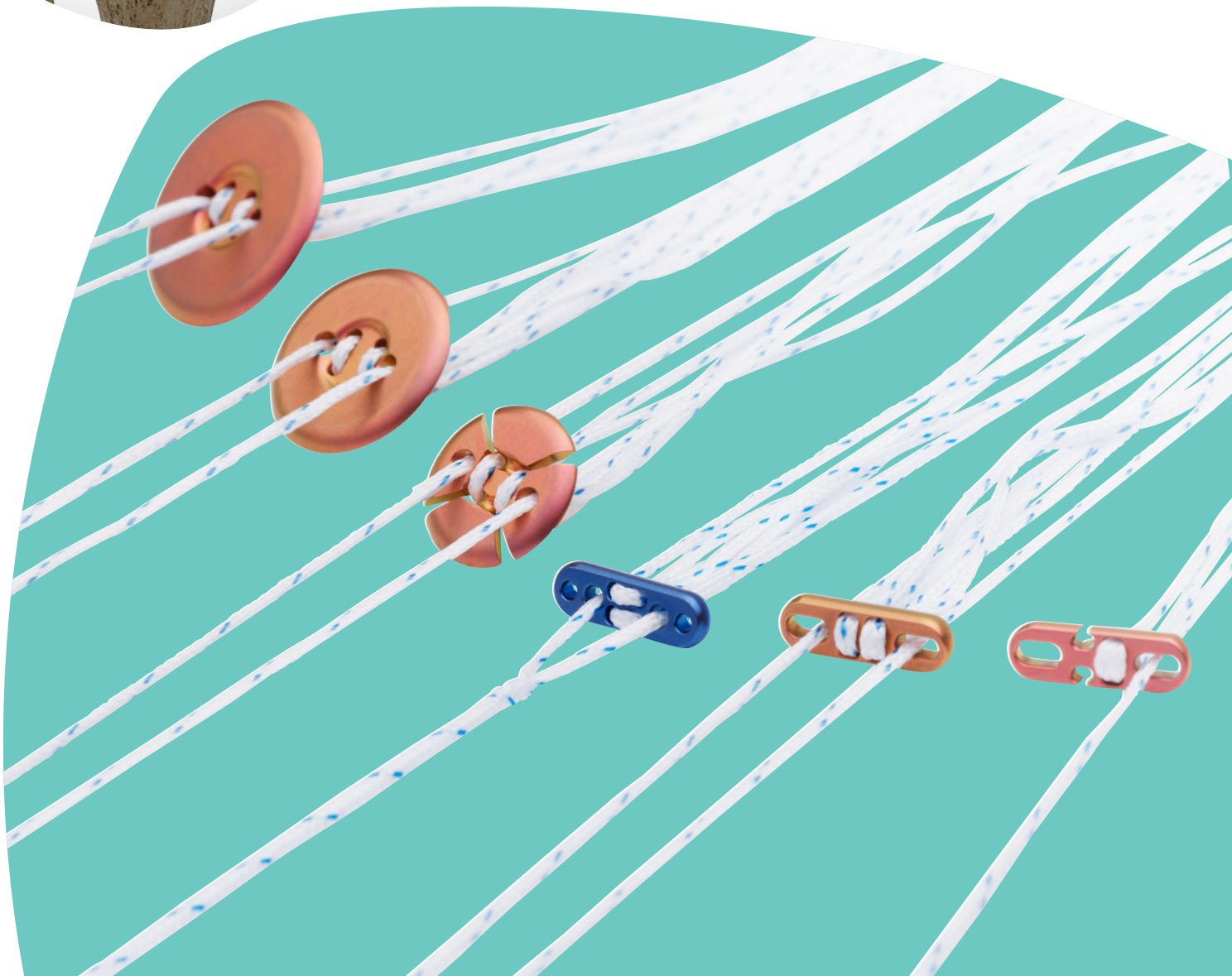


+ All grafts all adjustable all secure

Versatile cortical suspensory
knee ligament solutions

Smith+Nephew

ULTRABUTTON[◇]
Adjustable Fixation Device Family



The expanded ULTRABUTTON[®] Family offers dedicated adjustable fixation solutions for all graft types and ACL, PCL, MCL, and LCL repairs and reconstructions.



Quadriceps tendon
ULTRABUTTON QUAD Device



QT



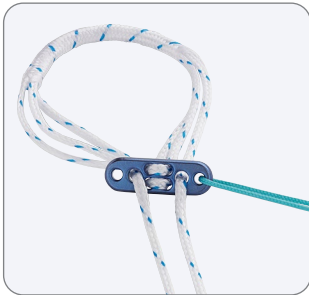
Bone-tendon
ULTRABUTTON BB Device



BTB



QT-B



Hamstring
ULTRABUTTON Device



Semitendinosus



Semitendinosus and gracilis



Tibial fixation
ULTRABUTTON TIB Device



QT



QT-B



Semitendinosus

ULTRABUTTON TIB, QUAD and BB Adjustable Fixation Devices

ULTRABUTTON Adjustable Fixation Device

ENDOBUTTON[®] CL BTB Fixation Device

ENDOBUTTON CL ULTRA Fixation Device

ENDOBUTTON Fixation Device

The ULTRABUTTON is indicated for soft tissue to bone fixation and the ULTRABUTTON QUAD, BB, and TIB are indicated for soft tissue to bone or bone-tendon to bone fixation to repair or reconstruct torn:

- Anterior cruciate ligament (ACL)
- Posterior cruciate ligament (PCL)
- Extracapsular Repair
 - Medial collateral ligament (MCL)
 - Lateral collateral ligament (LCL)



ULTRABUTTON^o Family features

Low graft disruption

- ULTRABUTTON Family has low displacement during cyclic loading^{*5-10}
- Graft protection sleeve is designed to shield the graft during loop reduction by minimizing relative device motion to avoid sawing effect¹¹
- ULTRABUTTON QUAD does not require graft transection for attachment, minimizing quadriceps tendon graft disruption^{12,13}

Strong

- Ultra-strong fixation^{5,6,14,15}

One-handed

- The ULTRABUTTON Family provides one person graft reduction/one-handed adjustment¹¹

Low profile

- The titanium buttons are strong with a low profile^{5,6,16,17}



*as demonstrated in bench-top testing



+ ULTRABUTTON[◇] QUAD



Adjustable Fixation Device

The ULTRABUTTON QUAD device features a suturing technique that integrates the device into the graft in only 5 needle passes.¹³

Reduction Limbs

Finger loops can be attached to the provided reduction bar 'J' slots to facilitate one person graft reduction¹²

Reduction Bar

- Enables easy graft reduction¹³
- Helps to minimize the physical pain of button reduction^{*13}

Suture Management Card

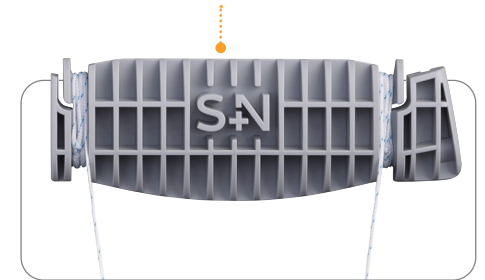
Organizes sutures during graft preparation

Passing & Flipping Sutures

Easy to remove #5 green passing and #5 white flipping sutures facilitate button fixation¹¹

Titanium Button

Strong with low profile^{5,6,16,17}

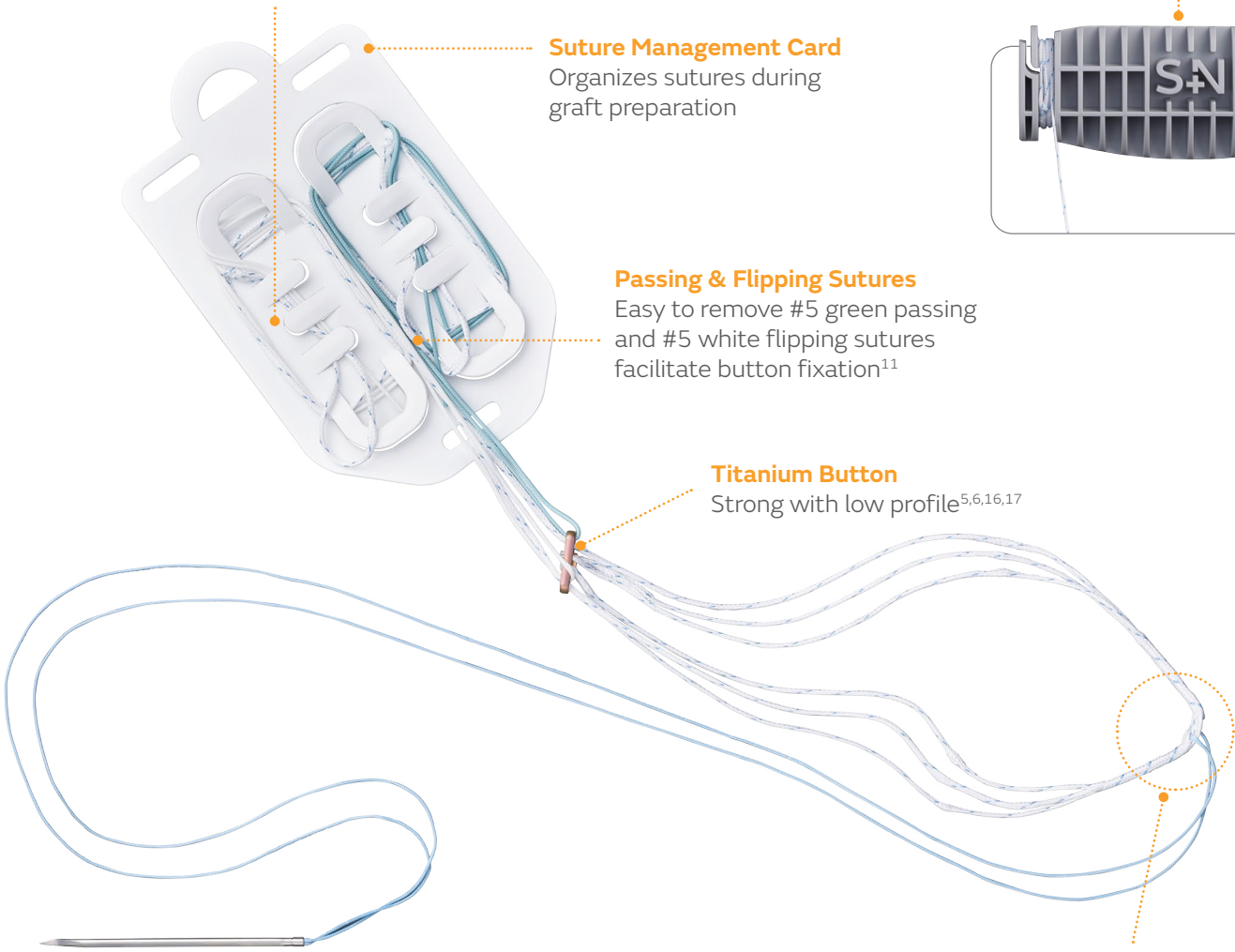


Graft Protection Sleeve

- Designed to protect the graft during reduction by minimizing relative motion between the sutures and graft¹¹
- Split sleeve design aids in graft preparation¹¹

Integrated #2 Suture & Needle

Allows for ultra-strong integration of the button into the soft tissue quadriceps graft^{**15,16,18}



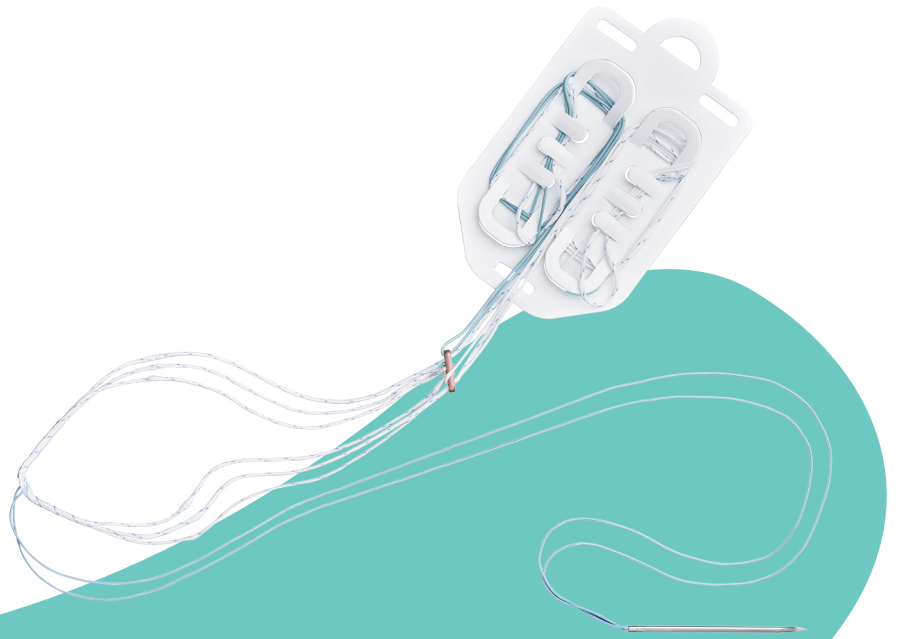
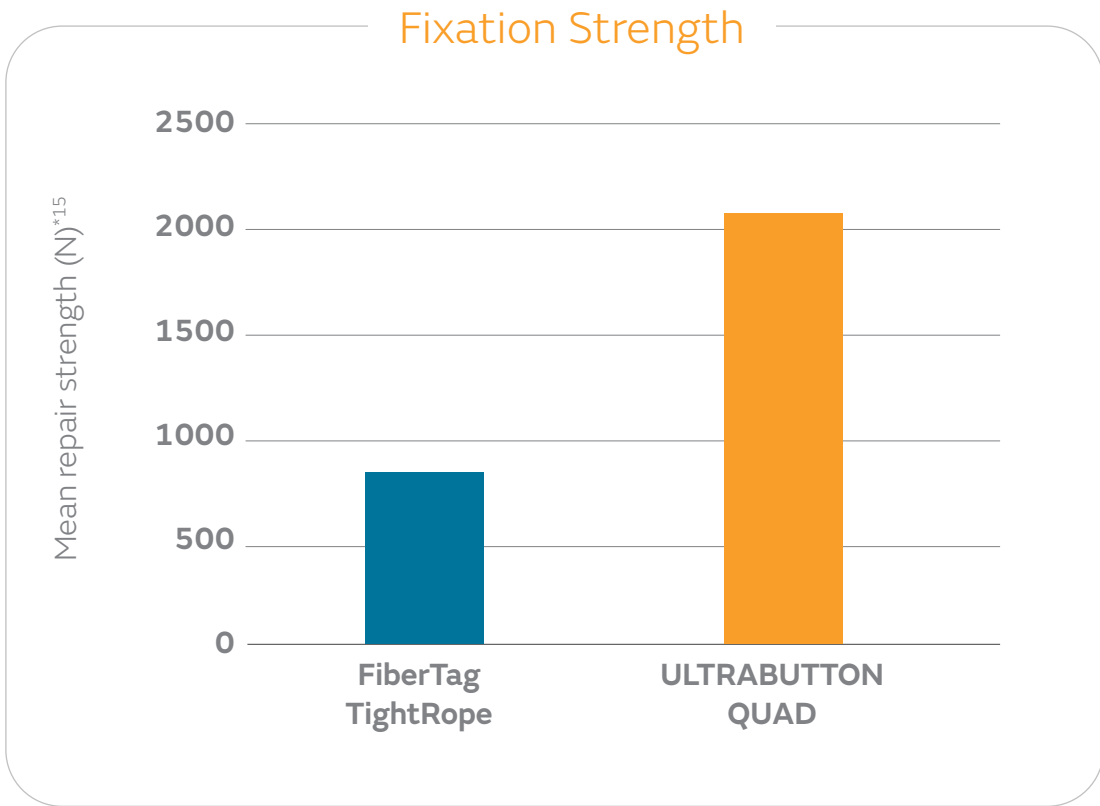
Average graft preparation time in under

4 minutes^{*13}

*n=5 cases

**as demonstrated in bench-top testing





*ULTRABUTTON QUAD Adjustable Fixation Device compared to Arthrex ACL FiberTag[®] TightRope[®] Implant in bench-top testing



+ ULTRABUTTON[◇] BB



Adjustable Fixation Device

The ULTRABUTTON BB device features an open loop design to facilitate attachment to BTB or QT-B grafts with an average preparation time of **under two minutes**^{*13}

Graft Protection Sleeve

Designed to protect the graft during reduction by minimizing relative motion between the sutures and graft¹¹

Titanium Button

Strong with low profile^{5,6,16,17}

Reduction Bar

- Facilitates easy assembly to your graft¹³
- Helps to minimize the physical pain of button reduction^{*13}

Suture Passer

Stiffened suture passer facilitates suture passage through bone block holes

Shuttle Suture

- Designed for easy removal¹¹
- Additional white #5 suture included in package



Average graft preparation time in under

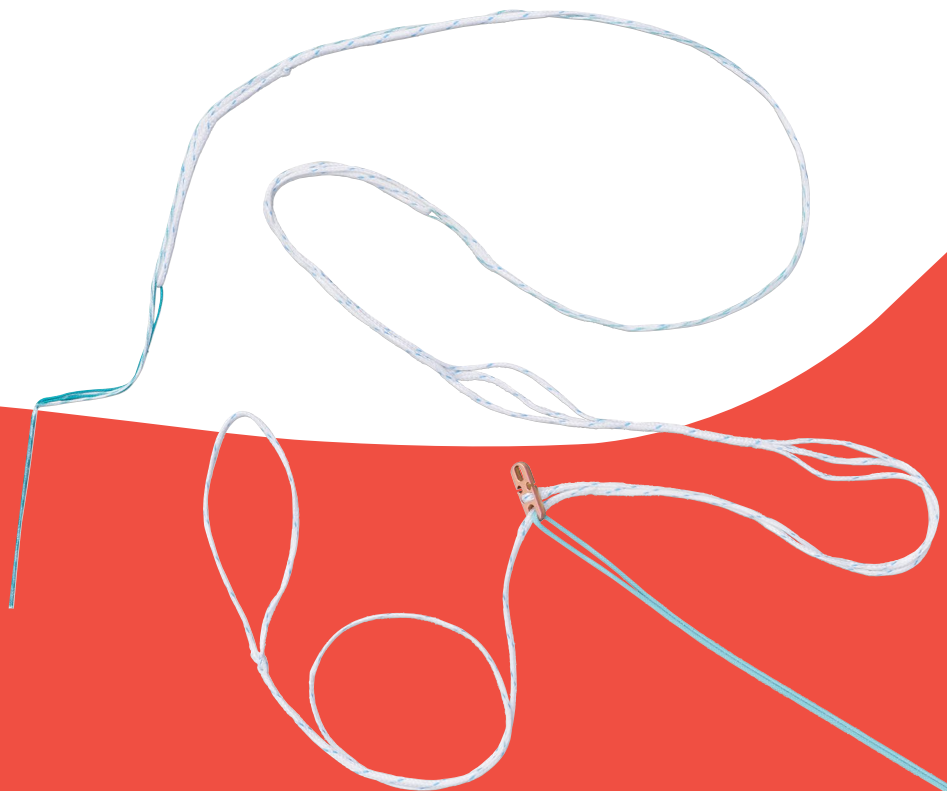
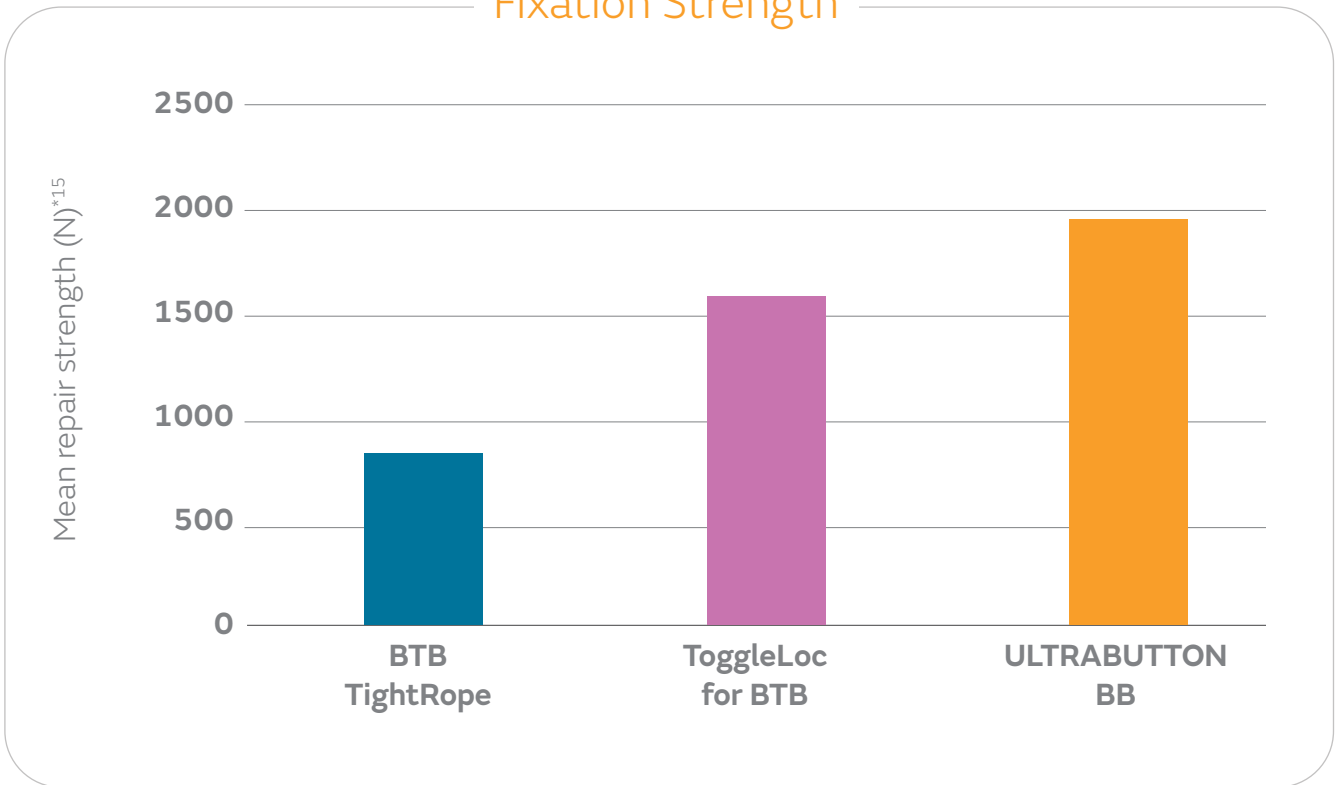
2 minutes^{*13}

*n=5 cases





Fixation Strength



*ULTRABUTTON BB Adjustable Fixation Device compared to Arthrex BTB TightRope[®] Implant and Zimmer Biomet ToggleLoc[™] Femoral Fixation Device with ZipLoop[®] Technology for BTB Grafts in bench-top testing





Graft Protection Sleeve

- Designed to protect graft with large contact area¹¹
- Designed to minimize relative motion and sawing effect between device and graft¹¹

Interlocking Adjustment

- Maximizes graft in tunnel
- Requires minimal force to reduce loop²³⁻²⁷

Flip Suture

- Assists controlled button flip
- Designed for easy removal¹¹

Titanium Button

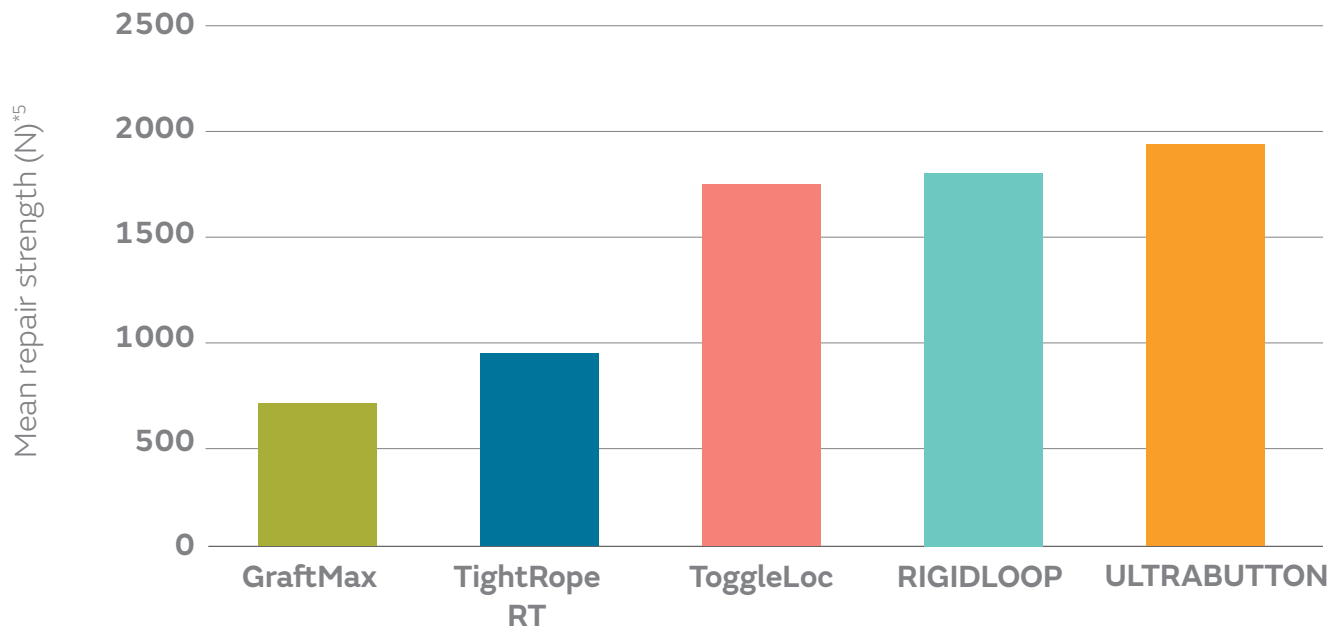
Adjustment Tails

- Designed to enable fine tuning of fixation





Fixation Strength



*ULTRABUTTON Adjustable Fixation Device compared to Conmed GraftMax™ Button Adjustable Cortical Fixation Device, Arthrex ACL TightRope® RT Graft Fixation Implant, Zimmer Biomet ToggleLoc™ Device with ZipLoop® Technology and Depuy Synthes RIGIDLOOP® Adjustable Cortical Fixation System in bench-top testing

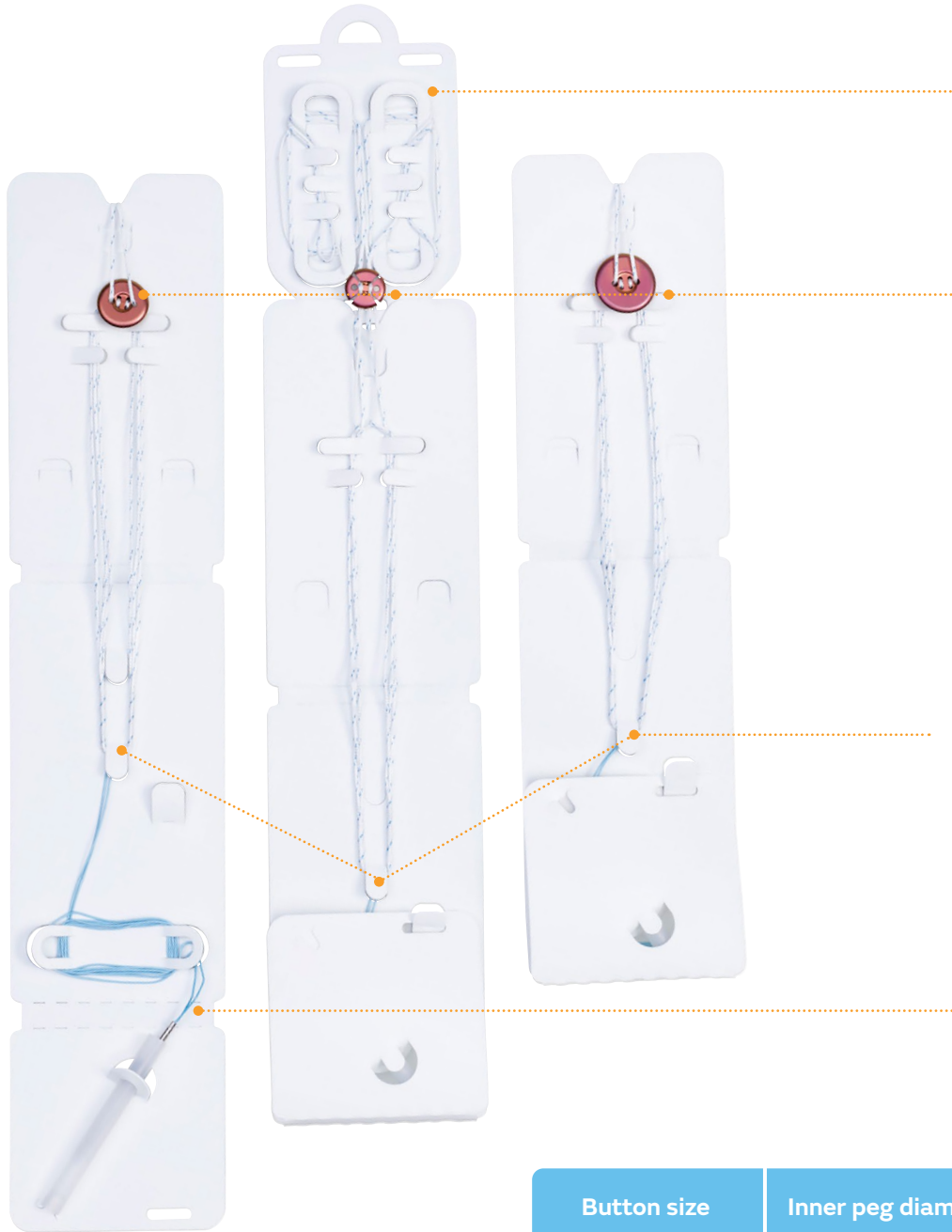


+ ULTRABUTTON[◊] TIB



Adjustable Fixation Device

ULTRABUTTON TIB devices, available in three sizes for common tunnel diameters, facilitates easy graft attachment to quad tendons in only **five needle passes**¹³ in an average of under 4 minutes^{**13} and can also be used for hamstring grafts. It features a lower mean profile height[†] which may minimize patient soft tissue irritation.¹⁹⁻²¹



Suture Management Card

Organizes sutures during graft preparation

Low Profile Titanium Button Design

- Available in three sizes for tunnels from 4.9mm to 13mm in diameter
- Medium and large sizes come preassembled for less surgical steps
- Small size facilitates **all-inside techniques**

Graft Protection Sleeve

- Designed to protect the graft during reduction by minimizing relative motion between the sutures and graft
- Split sleeve design aids in graft preparation¹¹

Integration #2 Suture & Needle

- Allows for ultra-strong integration of the button into the soft tissue quadriceps graft^{*15,16,18}
- Easily removed for use with hamstring graft

Button size	Inner peg diameter	Tunnel diameter
small (12mm)	4.4mm	4.9mm – 7mm
medium (15mm)	7mm	7.5mm – 10mm
large (18mm)	10mm	10.5mm – 13mm

*as demonstrated in bench-top testing

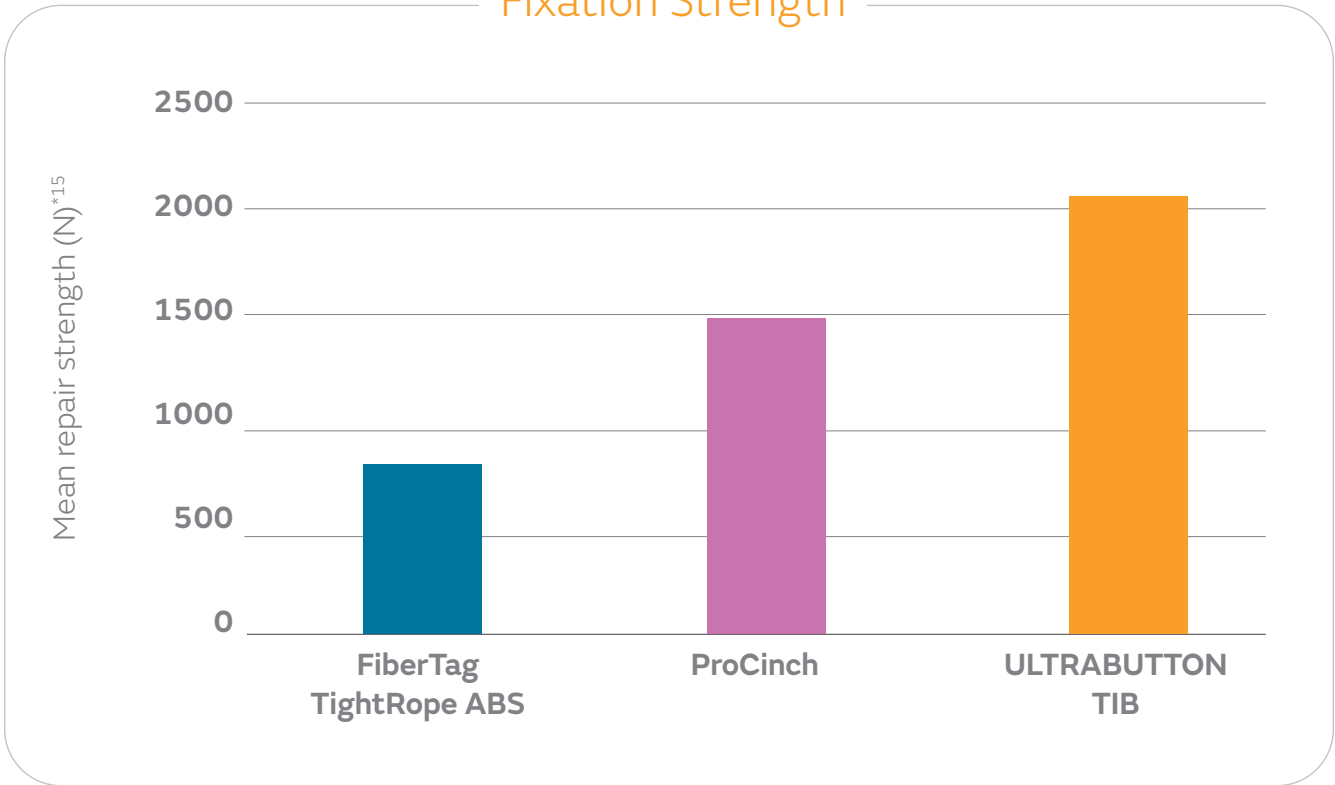
**n=5

†as compared to Arthrex TightRope™ ABS, Stryker ProCinch™ and XTENDOBUTTON[◊] Round Fixation Device

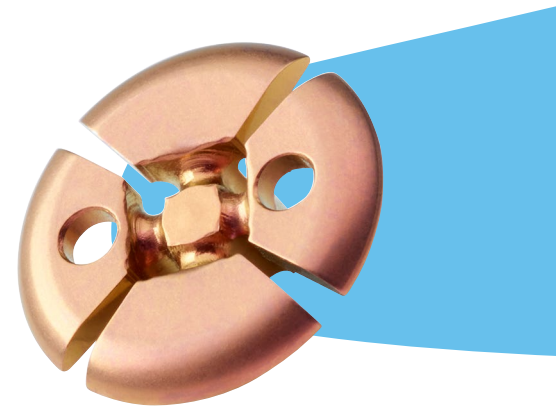
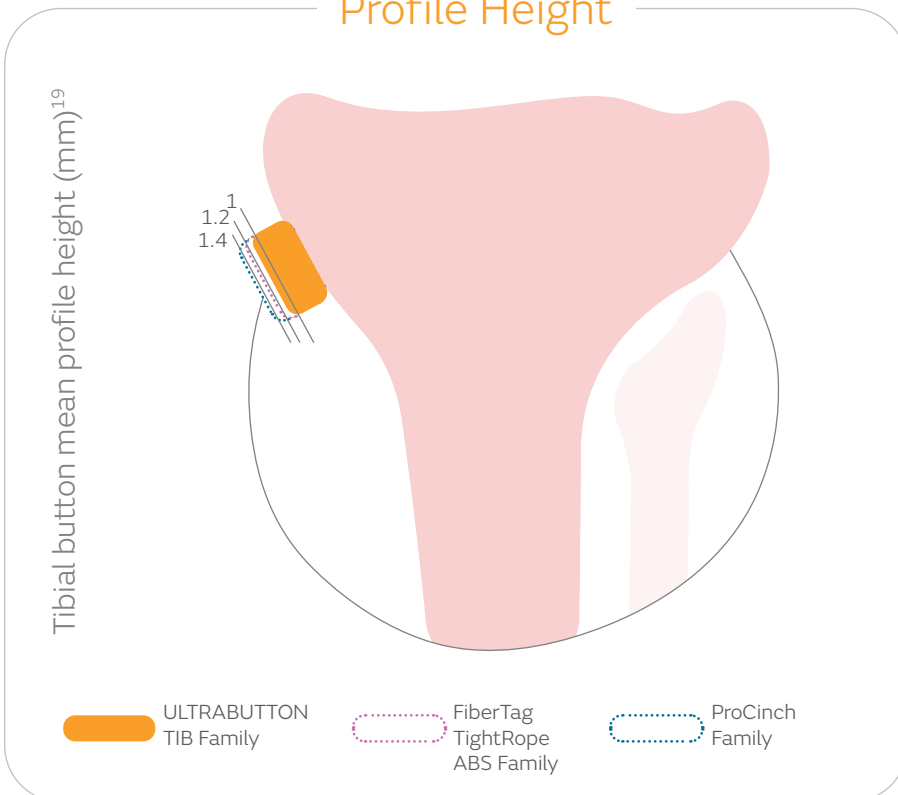




Fixation Strength



Profile Height



*ULTRABUTTON TIB Adjustable Fixation Device compared to Arthrex FiberTag™ TightRope™ ABS Implant with Concave TightRope ABS Button ø11mm, Round and Stryker ProCinch™ Open Loop no button with 11mm Round Concave Button in bench-top testing



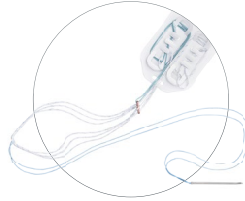
+ UltraTRAC[◇] QUAD

ACL Reconstruction Technique

- Hands free, direct tendon visualization during harvest^{28,29}
- Controlled, guided cutting to harvest only desired tissue²⁹
- Ultra-strong fixation^{*5,6,14,15}
- Faster average graft preparation time^{**13}



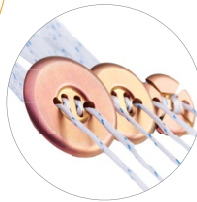
X-WING[◇]
Graft Preparation System



ULTRABUTTON[◇]
QUAD
Adjustable Fixation Device



QUADTRAC[◇]
Quadriceps Tendon
Harvest Guide System



ULTRABUTTON[◇] TIB
Adjustable Fixation Device



Watch

Graft Harvest & Preparation

- QUADTRAC graft harvest video featuring Dr. Cassandra Lee
- QUADTRAC graft harvest animation
- UltraTRAC QUAD graft preparation video featuring Dr. Lee
- UltraTRAC QUAD graft preparation animation

Surgical Techniques

- UltraTRAC QUAD ACL reconstruction video featuring Dr. Lee
- UltraTRAC QUAD ACL Reconstruction animation



Learn

QUADTRAC Quadriceps Tendon Harvest Guide System brochure

+ Reimagine reconstruction

Smith+Nephew offers a suite of ACL reconstruction & repair techniques, learn more below.

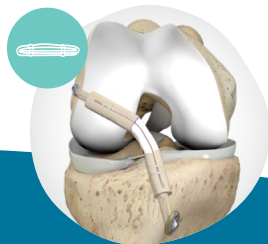


Watch

Click the images below to watch the technique animation



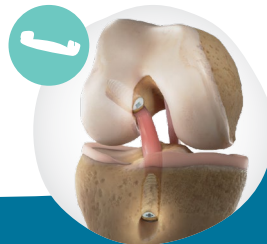
UltraSTAR
Quadrupled
semitendinosus



All-inside
Quadrupled
semitendinosus



UltraSURE
Semitendinosus
and gracilis



REGENESORB[◇] BTB
Bone-tendon-bone



LIGABRACE[◇]
ACL repair

*For an adjustable fixation device; as demonstrated in bench top testing **ULTRABUTTON QUAD as compared to Arthrex FiberTag[®] TightRope[®], n=5



Ordering information

ULTRABUTTON® Adjustable Fixation Device Family		
Reference #	Description	
72290003	ULTRABUTTON Adjustable Fixation Device	
72205443	ULTRABUTTON QUAD Adjustable Fixation Device	
72205444	ULTRABUTTON BB Adjustable Fixation Device	
Reference #	Tunnel diameter	Description
72205600	4.9–7mm	ULTRABUTTON TIB Small, 12mm ø, 4.4mm peg
72205601	7.5–10mm	ULTRABUTTON TIB Medium, 15mm ø, 7mm peg
72205602	10.5–13mm	ULTRABUTTON TIB Large, 18mm ø, 10mm peg
Accessories		
7207315	4.5mm Cannulated Drill	

QUADTRAC® Quadriceps Tendon Harvest Guide System	
72205580	QUADTRAC Quadriceps Tendon Harvest Guide System Disposable Kit
72205764*	QUADTRAC Quadriceps Tendon Harvest Guide System
Includes one of each	
72205581	GUIDE-TRAC
72205583	TRAC-CUTTER, 8mm x 6mm
72205584	TRAC-CUTTER, 10mm x 6mm
72205585	TRAC-CUTTER, 12mm x 6mm
72205610	QUAD-CUTTER
72205564	Sterilization Tray

*Placing an order with this code will order individual units of all QUADTRAC components referenced within. Devices are not provided kitted or part of a system and all devices are individually packaged with their own instructions for use, as applicable.

Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your Smith+Nephew representative or distributor if you have questions about the availability of Smith+Nephew products in your area.

Learn more at smith-nephew.com/reimagine

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X-WING® Graft Preparation System is manufactured by Enztec™
3/17 Print Place Middleton
Christchurch, 8024 New Zealand

ULTRABUTTON® is manufactured by ArthroCare Corporation
7000 West William Cannon Drive
Austin, TX 78735 USA

All other products are manufactured by or for Smith+Nephew

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