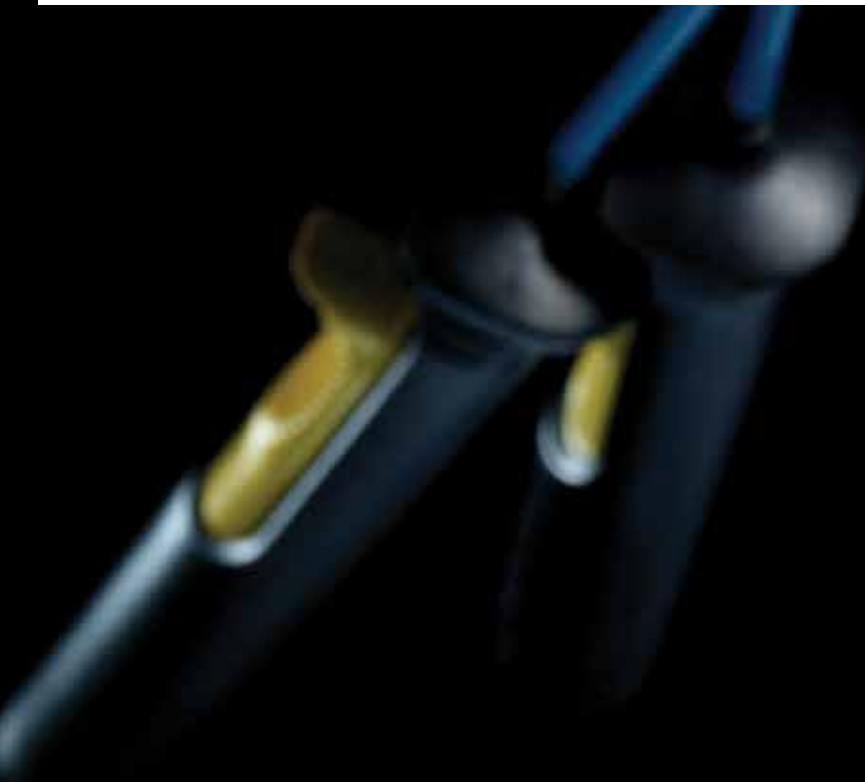




 **smith&nephew**  
**ULTRA FAST-FIX<sup>®</sup>**  
Meniscal Repair System

All-inside meniscal repairs have  
never been stronger or easier.

Now with an easier-sliding knot and ULTRABRAID<sup>®</sup> suture.





**1** Deploy preloaded implant<sup>1</sup>



**2** Deploy preloaded implant<sup>2</sup>

### THE TECHNIQUE

The ULTRA FAST-FIX<sup>®</sup> Meniscal Repair System is a unique all-inside implant system, offering the fixation strength of an open-vertical mattress stitch without the invasive surgical procedure normally required for suture-based repairs.

When the original FAST-FIX<sup>®</sup> Meniscal Repair System was introduced in 2001, it set the benchmark for minimally-invasive, all-inside repairs. Thanks to its preloaded implants, pre-tied sliding knot, and innovative pusher/cutter device, this innovative system lets you deploy two implants vertically or horizontally on either side of the meniscus, tighten the suture and trim the excess.

Building on its proven clinical success, the all-new ULTRA FAST-FIX system adds easier knot sliding and stronger suture. The result is a faster, more secure meniscal repair system that will help maximize the chances of a successful meniscus tear recovery.



1. Zantop T, Eggers A, Musahl V, Weimann A, Petersen W. Cyclic testing of flexible all-inside meniscus suture anchors. *AM J Sports Med.* 2005; 33:1-7.

2. Data on file at Smith & Nephew.

3. Cotton, N., Egan, M. *Evaluation of the Mechanical Properties of the ULTRA FAST-FIX Meniscal Repair System in a Bovine Meniscus Model*, Smith & Nephew White Paper 10600342, Nov. 2007.



**3** Slide the pre-tied knot, tighten the suture, and trim the excess.



**4** Use the reverse-curved needle to repair tears on the inferior surface (tibial side).



**5** Completed repair with vertical and horizontal mattress stitches.

The only product of its kind.

**Fast and easy**

Unlike conventional suture-based repair systems, the ULTRA FAST-FIX® system is an implant system with a pre-tied, self-sliding knot that eliminates the need for intra-articular knot tying.

**Strong and clinically proven**

Provides a strong, reproducible and reliable meniscal repair with biomechanical properties equal to that of the open, vertical mattress stitch suture technique.

**Contains no hard device heads**

Minimizes trauma to articular cartilage

**Easy knot sliding with ULTRABRAID® suture**

Offers advantages over traditional polyester suture, including higher knot-breaking strength, increased lubricity and a stronger resistance to fraying.<sup>3</sup>

**PEEK-OPTIMA® high strength non-absorbable, polymer implants**

PEEK-OPTIMA polymer lends confidence that the implant will resist breakage when used with high-strength ULTRABRAID suture.

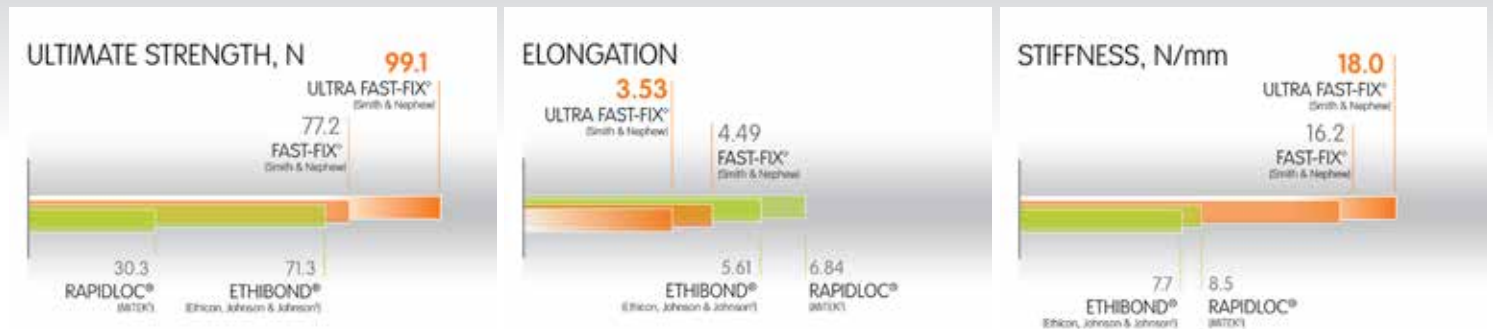
**PLLA absorbable implants**

Bioabsorbable version of ULTRA FAST-FIX.

**Curved and reverse-curved needles**

Curved needles promote safer and easier access to a multitude of tear sites. The reverse-curved needle is designed for repairing tears on the inferior surface. Because the needle's point is on the opposite side of the curve, it can safely enter the inferior area without skiving the meniscus or the tibial plateau.

A Stronger and Stiffer Repair than Competitive Devices



After 1000 cycles between 5N and 20N. All values are means +/- standard errors. Bovine meniscus model.

An evaluation of the mechanical properties of the ULTRA FAST-FIX Meniscal Repair System showed a significant increase in ultimate strength and stiffness, and a decrease in elongation compared to ETHIBOND®, RAPIDLOC® and the conventional, clinically successful FAST-FIX device<sup>2</sup>. This in vitro mechanical evaluation of meniscal repair devices employed cyclic and load-to-failure mechanical tests on a repaired bovine meniscus.



90° Diamond Rasp

45° Diamond Rasp

Knot Pusher/Suture Cutter

Split Cannula

Trimmable Depth Penetration Limiter

Meniscal Depth Probe

Slotted Cannula

Suture Funnel



### Meniscal depth probe

Measures the depth of penetration required for the ULTRA FAST-FIX® needle.



### Trimmable depth penetration limiter

Controls the depth of needle penetration, enhancing safety in patients and allowing predictable meniscocapsular placement, while avoiding neurovascular structure injury.<sup>1</sup>



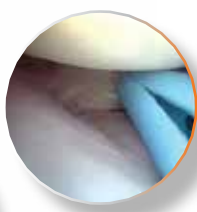
### 45° and 90° diamond rasps

These angled, diamond rasps are designed specifically to freshen the edge of the meniscal tear surfaces prior to repair, to induce a bleeding response.



### Slotted cannula

Introduces the delivery needle into the joint safely; aids in steering to the desired position; can be used to reduce the tear; and minimizes needle skiving. For inferior surface repairs, the cannula can be used to lift the meniscus, providing greater accessibility to the tear.



### Split cannula

Safely introduces the delivery needle into the joint, keeps debris off the needle and protects the articular cartilage.



### Knot pusher/cutter

This innovative device combines two instruments in one, allowing you to advance the knot to achieve the desired tension and trim the excess suture. The cutter is designed especially to cut ULTRABRAID®.

1. Coen, Caborn, Urban et. al., Arthroscopy 1998

## Ordering Information

72201491	ULTRA FAST-FIX, Curved	015186	Meniscal Depth Probe, reusable
72201492	ULTRA FAST-FIX, Reverse Curved	014549	45 degree Diamond Rasp, reusable
72201494	ULTRA FAST-FIX AB, Curved	014550	90 degree Diamond Rasp, reusable
72201495	ULTRA FAST-FIX AB, Reverse Curved	7210450	Suture Funnel, sterile, box of 10
72201537	Knot Pusher/Suture Cutter	7209950	Suture Threaders, sterile, box of 10
7210977	Slotted Cannula, reusable	011703	Sterilization Tray
72201490	ULTRA FAST-FIX, Straight		
72201493	ULTRA FAST-FIX AB, Straight		

Contact your sales representative about information regarding the ULTRA FAST-FIX Technique Guide

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