Meniscal preservation begins here
The clearly defined path to meniscal preservation

Arthroscopy can provide easier access to the knee and potentially avoid the risks of open surgical procedures.¹

A number of studies have been published that clearly define the benefits of preserving as much functional meniscus as possible to help restore the loading profiles of the joint and to potentially minimize the risk of degenerative disease such as osteoarthritis.¹⁶

Removal of meniscal tissue has been shown to cause increased contact stress and to result in degeneration of the articular cartilage over the long term.³⁴ In recent years, arthroscopic repair techniques have become more prevalent and widely accepted for the treatment of meniscal tears.¹⁵⁶
Complete support for meniscal preservation techniques

Meniscal repair products from Smith & Nephew directly support meniscal repair and preservation techniques. Our portfolio is extensive, providing solutions for a variety of procedure types. When it comes to meniscal repair, look to the pioneer in meniscal preservation.

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ULTRA FAST-FIX°
Meniscal Repair System

Tried and true all-inside meniscal repair

When the original FAST-FIX Meniscal Repair System was introduced, it set the benchmark for non-invasive, all-inside repairs. Thanks to its preloaded implants, pre-tied sliding knot, and innovative pusher/cutter device, this innovative system lets surgeons deploy two implants vertically or horizontally on either side of the meniscus, tighten the suture, and trim the excess. The ULTRA FAST-FIX System was designed building upon the success of the original FAST-FIX system.

Curved and reverse curved needle
Curved needles are designed to provide easy access to a multitude of tear sites. The reverse curved needle is designed for repairing tears on the inferior surface.

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

STRONG
• System provides a strong, reproducible and reliable meniscal repair.
• Contains no hard device heads, designed to minimize trauma to articular cartilage.

EASY
• ULTRABRAID® suture has improved knot-sliding properties over traditional polyester suture.
• Curved and reverse-curved needles designed to provide easy access to a multitude of tear sites.
FAST-FIX° 360
Meniscal Repair System

Easier, faster, all-inside meniscal repair
First we set the standard, then we raised the bar. We set the standard for minimally invasive, all-inside repairs with our FAST-FIX and ULTRA FAST-FIX Meniscal Repair Systems. The FAST-FIX 360 System improves on those standards by raising the bar with new features and benefits.

One-handed, fast-click, active implant deployment
The unique 360 actuation design provides improved control, enabling you to deploy implants in any hand position – vertically or horizontally on either side of the meniscus – with a fast, smooth advancing motion. This spring-action design facilitates the advancement of each implant into the capsule.

Minimal disruption to the meniscus
Low profile needle delivers smaller implants and pre-tied, self-sliding knot made of ULTRABRAID° 2-0 Suture create smaller needle insertions, designed to reduce disruption to the meniscus.

Clinically proven FAST-FIX Meniscal Repair Technology
Like its predecessor, the FAST-FIX 360 System has biomechanical properties that best reproduce the vertical mattress-suture technique. You can count on a strong, reproducible and reliable meniscal repair.
MENISCUS MENDER II
Repair System

Outside-in access to anterior tears

The Meniscus Mender II System is designed for repairing the meniscus under arthroscopic visualization and is ideally suited for anterior horn tears and middle-third tears. The system allows surgeons to work from the outside of the knee into the joint, instead of starting sutures inside the capsule and exiting less predictably out the back.

The MMII system utilizes curved and straight needles and a patented suture-capture loop. Depending on the patient’s anatomy, the surgeon may use a combination of curved or straight needles in order to best access the tear. These components allow the surgeon to use the outside-in approach, which may help minimize the risk of damage to neurovascular structures during meniscal repair.
MENISCAL STITCHER
Repair System

Inside-out delivery with smaller needle diameter

Classic inside-out techniques remain a viable solution for the repair of many kinds of meniscal tears. Providing the versatility to address a variety of tear patterns, and the ability to deliver sutures with smaller needles, with proven long-term results, inside-out techniques have been considered the gold standard for arthroscopic meniscus repair.\(^\text{12}\)

**MENISCAL STITCHER SYSTEM INCLUDES:**
- curved double-lumen cannulas
- straight double-lumen cannulas
- posterior-access cannula
- thimble
- bending tool
- sterilization tray
- variety of disposable needles

Designed specifically for inside-out procedures and to be customized to the unique needs of each procedure.
MENISCAL ROOT
Repair System

Reproduce the anatomical footprint

A meniscus root tear can be defined as either an avulsion of the meniscal root from its attachment point or a radial root tear within 1cm of the root attachment.13

The Meniscal Root Repair System features aimers designed to maneuver around the tibial eminence, and the system has been designed to support one- or two-tunnel procedures. The included guide has offsets of between 5-8mm which allow it to be positioned in a manner that facilitates the ideal location of the second tunnel.

The Meniscal Root Repair System has been designed to support one-tunnel or two-tunnel procedures.
FIRSTPASS® MINI
Suture Passer

Designed for reliability, versatility and easy access

With the goal of providing a reliable, versatile and easy-to-use system, this suture passer is designed to help facilitate procedures executed in tight spaces.

Versatility

to pass ULTRABRAID®
Suture or ULTRATAPE® Suture

Reliability

through a fully-disposable system with a preloaded needle

Versatility

to pass ULTRABRAID®
Suture or ULTRATAPE® Suture

Easy Access

through a small, streamlined design
MAT
Meniscal Allograft Transplantation

Solutions and surgical technique

Meniscal allograft transplantation can be used for the reconstruction of large meniscal defects or when the meniscal rim is deficient and the meniscus is no longer functional.

Smith & Nephew provides a complete suite of meniscal repair solutions designed for arthroscopic meniscal allograft transplantation procedures. Each of the product families here can be utilized in support of these types of cases. Additionally, technique guidance and instruction from leading surgeons are available. Some of these educational resources can be found at the end of this document.
Resources and Techniques

Resources
Supported by leading surgeons in Orthopaedics, Trauma, Sports Medicine and Wound Management, Education and Evidence is a powerful, online knowledge resource created to enable peer to peer sharing of the latest surgical experience and knowledge around the world. Join the experts today and gain access to 1,500 content items including:

- Clinical, workshop and lecture videos
- Scientific literature and surgical technique guides
- Courses and personalized training opportunities

Surgical techniques

ULTRA FAST-FIX®
01160: All-Inside Meniscal Repair with the ULTRA FAST-FIX Meniscal Repair System Brochure

FAST-FIX 360
04745: FAST-FIX 360 Meniscal Repair System Brochure
10600658: FAST-FIX 360 Meniscal Repair System, Surgical Demonstrations DVD
10600542: All-Inside Meniscal Repair with the FAST-FIX 360 Meniscal System Surgical Technique Guide
10600596: The Biomechanical Performance of the FAST-FIX 360 Meniscal Repair System White Paper

MENISCUS MENDER II
1061511: Meniscal Repair Using the Smith & Nephew Meniscus Mender II Repair System Brochure

MENISCAL ROOT REPAIR
05486: Technique Guide
14926-1: 1-tunnel technique animation
14926-2: 2-tunnel technique animation
180503: 2-tunnel meniscal root repair surgical video w/ Dr. LaPrade featuring FIRSTPASS MINI Suture Passer

MAT – MENISCAL ALLOGRAFT TRANSPLANTATION
Knee Repair iBook Surgical Technique Guide Search “Smith & Nephew”, “MAT” in the iBook store to download

smith-nephew.com/education

For a complete array of meniscal repair resources, please visit Smith & Nephew’s Education and Evidence website. Register to be the first to know about upcoming webinars and courses!
## Ordering Information

### ULTRA FAST-FIX Meniscal Repair System

<table>
<thead>
<tr>
<th>Reference #</th>
<th>Description</th>
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<tbody>
<tr>
<td>72201491</td>
<td>ULTRA FAST-FIX, Curved</td>
</tr>
<tr>
<td>72201492</td>
<td>ULTRA FAST-FIX, Reverse Curved</td>
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<tr>
<td>72201494</td>
<td>ULTRA FAST-FIX AB, Curved</td>
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<tr>
<td>72201495</td>
<td>ULTRA FAST-FIX AB, Reverse Curved</td>
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<tr>
<td>72201537</td>
<td>Knot Pusher/Suture Cutter</td>
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<tr>
<td>7210977</td>
<td>Slotted Cannula, Reusable</td>
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<tr>
<td>72201490</td>
<td>ULTRA FAST-FIX, Straight</td>
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### FAST-FIX 360 Meniscal Repair System

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<tr>
<td>72220467</td>
<td>FAST-FIX 360, Straight</td>
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<tr>
<td>72220468</td>
<td>FAST-FIX 360, Curved</td>
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<tr>
<td>72220469</td>
<td>FAST-FIX 360, Reverse Curved</td>
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<td>72202674</td>
<td>Straight Knot Pusher/Suture Cutter and Slotted Cannula Set, single use</td>
</tr>
<tr>
<td>72202675</td>
<td>Curved Knot Pusher/Suture Cutter and Slotted Cannula Set, single use</td>
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**Accessories:**
- 01586: Meniscal Depth Probe, Reusable
- 014549: 45° Diamond Rasp, Reusable
- 014550: 90° Diamond Rasp, Reusable
- 7210977: Slotted Cannula, Reusable
- 7210450: Suture Funnel, Sterile, box of 10
- 7209950: Suture Threaders, Sterile, box of 10

### Meniscal Mender II Repair System

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<tr>
<td>7209485</td>
<td>Meniscal Mender II Disposable Set</td>
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### Meniscal Stitcher Repair System

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<td>Meniscal Stitcher Set</td>
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### Meniscal Root Repair System

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<tbody>
<tr>
<td>7193001</td>
<td>Meniscal Root Repair System</td>
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**System includes:**
- 71935072: ACUFEX® DIRECTOR MRR Angled Bullet
- 71935073: ACUFEX DIRECTOR MRR Drill Guide Handle
- 71935071: Open Curette S
- 71935076: MRR Offset Guide
- 71935074: Aimer Guide Curve – Left
- 71935075: Aimer Guide Curve – Right

**Disposable Kits:**
- 71935070: Meniscal Root Repair Pack with ULTRABRAID® Suture
- 71935068: Meniscal Root Repair Pack with ULTRATAPE® Suture
- 71935360: Meniscal Root Repair Instruments Pack

### FIRSTPASS MINI Suture Passer

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<tr>
<td>72290128</td>
<td>FIRSTPASS MINI Suture Passer</td>
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*Based on biomechanical testing*