Meniscal Repair Solutions

ALL TEARS
ALL REPAIRS

Complete solutions to save the meniscus

smith&nephew
Supporting healthcare professionals for over 150 years
The clearly defined path to meniscal repair

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 meniscal repair to help restore as much functional meniscus as possible and to potentially minimize the risk of degenerative disease such as osteoarthritis.²-³

Removal of meniscal tissue, referred to as meniscectomy, has been shown to increase intraarticular pressure 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.¹

The ALL TEARS, ALL REPAIRS meniscal repair portfolio from Smith & Nephew provides surgeons with unsurpassed options and possibilities for meniscal repair.

For more information, visit alltearsallrepairs.com.
NOVOSTITCH° PRO
Meniscal Repair System

Expanding the possibilities of meniscal repair

The NOVOSTITCH PRO Meniscal Repair System allows surgeons to repair meniscus-to-meniscus by placing a stabilizing Circumferential Compression Stitch around a meniscal tear. This stitch provides anatomic reduction and uniform compression of the tear edges, addressing a wide variety of meniscal tear types such as radial, horizontal, complex and root.⁵

ACCESS
• Low 1.6mm entry profile with a retractable jaw.

MANEUVER
• Curved upper jaw and blunt tip to enhance maneuverability.⁵

PROTECT
• Intraarticular needle deflects away from femur, minimizing the risk of chondral injury.⁵

SIMPLIFY
• Pre-loaded all-suture implant eliminates suture management with single insertion cartridge available in size 2-0 and 0 suture.

NOVOSTITCH PRO Meniscal Repair System is market cleared and available in the US only
FAST-FIX® 360
Meniscal Repair System

Easy, fast, all-inside meniscal repair

The FAST-FIX 360 Meniscal Repair System offers exceptional fixation strength, easier implant deployment, a built-in depth penetration limiter and a stiffer needle shaft for enhanced control. The system is designed to help optimize the chances of a successful meniscus repair.

Reverse Curved
Instrumentation is specifically designed to pierce the underside of the meniscus. Because the needle’s point is on the opposite side of the curve, it is designed to enter the inferior area without skiving the meniscus or the tibial plateau.

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 creating 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.

*Based on in vitro data.
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 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 by 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.

Passive implant deployment
The implant is deployed when it catches on the capsule.

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 intraarticular knot tying.

STRONG
• System provides a strong, reproducible and reliable meniscal repair.¹
• Contains no hard device heads; designed to minimize trauma to articular cartilage.

EASY
• ULTRABRAID® Suture has improved knot-sliding properties over traditional polyester suture.²
• Curved and reverse-curved needles designed to provide easy access to a multitude of tear sites.

¹Based on biomechanical testing
MENISCUS MENDER II
Repair System

Outside-in access to anterior tears

The Meniscus Mender II (MMII) Repair 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.²
**MENISCAL ROOT**

Repair System

Reproduce the anatomic 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.
FIRSTPASS™ MINI
Family of Suture Passers

Designed for reliability, versatility and accessibility

These suture passers, which come in three versions, left curved, straight and right curved, are designed to help facilitate root-repair procedures executed in tight spaces.

RELIABILITY
Fully disposable system with a preloaded needle.

VERSATILITY
Passes ULTRABRAID® Suture or ULTRATAPE Suture.

ACCESSIBILITY
Straight and 17° left- and right-curved jaw options.
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.\textsuperscript{15}

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 can be customized to the unique needs of each procedure.
NOVOCUT®
Suture Manager

Suture management simplified
The NOVOCUT Suture Manager enables surgeons to tighten knots and cut suture with unique design features to simplify the knot-tying process.

- Low profile allows pushing directly on the knot.
- Suture tails minimize risk of cutting the knot.
- May limit the need for other devices.

SIDE LOADING
- Capture suture without threading the needle.

ACCESS
- Low profile allows pushing directly on the knot.

CONSISTENT TAILS
- Suture tails minimize risk of cutting the knot.

SUTURE MANAGEMENT
- May limit the need for other devices.
WEREWOLF® FLOW 50°
Wand

Optimal control

COBLATION® technology means controlled ablation. The COBLATION process involves the creation and application of an energy field called glow discharge plasma. This plasma ablates tissue through a chemical process as highly energized particles in the plasma break down molecules in the tissue.

FLOW 50 Wand enables surgeons to access and address all soft tissue types in the knee without compromise.

- Indicated for meniscus and all soft tissue in the knee
- Combined COBLATION and FLOW-IQ™ technology to remove tissue with speed* and precision**
- Designed to provide optimal access to the posterior horn and root of the meniscus

FASTER***
Faster patient recovery.18

BETTER***
Better patient outcomes.18-20

SAFE****
Safe for use on all joint soft tissue.21-27

* In Vac mode the FLOW 50° COBLATION Wand removes free-floating tissue approximately four times faster than AMBIENT® SUPER MULTIVAC 50, in vitro.

** The controlled plasma field produced by COBLATION allows for precise removal of soft tissue with minimal damage (100 - 200 μm) evident in untargeted cartilage tissue ex vivo; Cell damage may vary depending on protocol used.

*** Compared to mechanical debridement. In a randomized, controlled study for knee chondroplasty in patients with a grade 3 chondral lesion and concomitant meniscal tears.

**** Market-indicated for use on all soft tissue types including the knee.
DYONICS° Curved PLATINUM Blades

Platinum technology and performance

PLATINUM curved blades deliver easy access, aggressive resection and effective debris evacuation. Each blade is designed to retain sharpness throughout a procedure and have low risk of metal debris generation. 28,29 By increasing speed and quality of resection, PLATINUM curved blades can help busy arthroscopists operate efficiently and reduce patient time under anesthesia.

STATE-OF-THE-ART
• Automated production ensures the highest level of quality, manufactured to meet demanding surgical applications.

TIGHT CLEARANCE
• Between inner and outer blade tips enables precise cutting for precise resection 28 and efficient debris evacuation. 29

PREFERENCE-SETTING
• Window lock function control facilitates fine tuning of suction flow, allowing performance to be uniquely adapted to each situation.
Complete solutions to save the meniscus

- MENISCAL MENDER II Repair System
- MENISCAL STITCHER Repair System
- FAST-FIX® 360 Meniscal Repair System
- ULTRA FAST-FIX Meniscal Repair System
- MENISCAL ROOT Repair System
- FIRSTPASS® MINI Suture Passer
- NOVOSTITCH® PRO Meniscal Repair System
- MENISCUS MENDER II Repair System
- WEREWOLF® FLOW 50° Wand
- DYONICS® Curved PLATINUM Blades
### Solution Offering

<table>
<thead>
<tr>
<th>Root Tear</th>
<th>Anterior Tears</th>
<th>Horizontal Tear</th>
<th>Radial or Parrot Beak Tear</th>
<th>Flap Tear</th>
<th>Longitudinal Vertical Tear</th>
<th>Bucket Handle Tear</th>
<th>Complex Tear</th>
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</table>

Smith & Nephew: expanding what’s possible in meniscal repair by enabling treatment of all tears with all repairs ... all around the meniscus.

## Ordering information

<table>
<thead>
<tr>
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<th>Description</th>
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<tbody>
<tr>
<td>CTX-A003</td>
<td>NOVOSTITCH PRO Meniscal Repair System (2-0)</td>
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<tr>
<td>CTX-A004</td>
<td>NOVOSTITCH PRO Meniscal Repair System (0)</td>
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<tr>
<td>CTX-R001</td>
<td>NOVOSTITCH Cartridge (2-0)</td>
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<td>CTX-R002</td>
<td>NOVOSTITCH Cartridge (0)</td>
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<td>CTX-C001</td>
<td>NOVOCUT™ Suture Manager</td>
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### FAST-FIX™ 360 Meniscal Repair System

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<tr>
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<td>72202468</td>
<td>FAST-FIX 360, Curved</td>
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<td>72202469</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>
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<td>72202675</td>
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<td>014549</td>
<td>45° Diamond Rasp, Reusable</td>
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### ULTRA FAST-FIX Meniscal Repair System

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### FIRSTPASS™ MINI Suture Passer

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### Meniscal Root Repair System

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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

### Meniscus Mender II Repair System

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<tr>
<td>7209485</td>
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### Meniscal Stitcher Repair System

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<td>Meniscal Stitcher Set</td>
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**Disposable Kits - Meniscal Root Repair:**

- 71935070 Pack with ULTRABRAID™ Suture
- 71935068 Pack with ULTRATAPE Suture
- 71935360 Instrument Pack

### DYONICS® Curved PLATINUM Blades

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### WEREWOLF® COBLATION®

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<td>72290043</td>
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