All tears all repairs

Meniscal Repair Solutions

Smith-Nephew

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.¹⁻³

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.^{3,4} 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^o 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, vertical, 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 510(k) cleared and may not be available in all markets due to the regulatory and/or medical practices in individual markets. Please contact your Smith+Nephew representative if you have questions about the availability of Smith+Nephew products in your area.

ALL-INSIDE REPAIR I PEEK

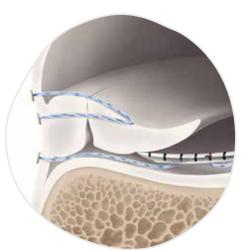
FAST-FIX⁰360 Meniscal Repair System

Easy, fast, all-inside meniscal repair⁶

The FAST-FIX 360 Meniscal Repair System offers exceptional fixation strength,⁷ easier implant deployment, a built-in depth penetration limiter and a stiffer needle shaft for enhanced control.⁶ 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, fastclick, 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.⁶ 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^o 2-0 Suture creating smaller needle insertions, designed to reduce disruption to the meniscus.⁶



Clinically proven FAST-FIX Meniscal Repair Technology⁸⁻¹⁰

Like its predecessor, the FAST-FIX 360 system has biomechanical properties that best reproduce the vertical mattress-suture technique.² You can count on a strong, reproducible and reliable meniscal repair.^{11*}

*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.^{11*}
- Contains no hard device heads; designed to minimize trauma to articular cartilage.

EASY

- ULTRABRAID⁶ Suture has improved knot-sliding properties over traditional polyester suture.⁷
- Curved and reverse-curved needles designed to provide easy access to a multitude of tear sites.

* Based on biomechanical testing

MENISCUS MENDER II Repair System

Outside-in access to anterior tears

Contra Car

100

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.¹²

Suture-capture loop

The MMII system utilizes curved and straight needles and a patented suture-capture loop.

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.

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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.¹⁴



VERSATILITY



ACCESSIBILITY

Straight and 17° leftand 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.¹⁵

The MENISCAL STITCHER is designed specifically for inside-out procedures and can be customized to the unique needs of each procedure.

MENISCAL STITCHER SYSTEM INCLUDES:

- Curved double-lumen cannulas
- Straight double-lumen cannulas
- Bending tool

Sterilization tray

li

Variety of disposable needles

SUTURE MANAGEMENT

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.

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

OPO

May limit the need for other devices.

WEREWOLF^{\lambda} FLOW 50^{\lambda} Wand

Optimal control

COBLATION^o 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 $^{16,17^{\ast\ast}}$
- Designed to provide optimal access to the posterior horn and root of the meniscus





FASTER***

Faster patien1 recovery.¹⁸

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

BETTER***

Better patient outcomes.¹⁸⁻²⁰

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



SAFE****

Safe for use on all joint soft tissue.²¹⁻²⁷

*** 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 resection²⁸ 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.

ALL TEARS ALL REPAIRS





MENISCAL ROOT Repair System



FIRSTPASS[°] MINI Family of Suture Passers



Meniscal Repair System*

NOVOSTITCH° PRO

FAST-FIX[°] 360 Meniscal Repair System

ULTRA FAST-FIX Meniscal Repair System



MENISCAL STITCHER Repair System

> MENISCUS MENDER II Repair System

, WEREWOLF° FLOW 50° Wand



DYONICS[°] Curved PLATINUM Blades



Solution Offering

	Root Tear	Anterior Tears	Horizontal Tear	Radial or Parrot Beak Tear	Flap Tear	Longitudinal Vertical Tear	Bucket Handle Tear	Complex Tear
NOVOSTITCH [°] PRO Meniscal Repair System	•		•	•	•	•		•
FAST-FIX° 360 Meniscal Repair System						•	•	
ULTRA FAST-FIX Meniscal Repair System						•	•	
MENISCUS MENDER II Repair System		•						•
MENISCAL ROOT Repair System	•							
FIRSTPASS [®] MINI Suture Passers	•							
MENISCAL STITCHER Repair System			•	•	•	•	•	•
NOVOCUT⁰ Suture Manager		•	•	•	•	•	•	•
WEREWOLF° FLOW 50° Wand	•		•	•				•
DYONICS° Curved SYNOVATOR° PLATINUM 4.5mm Blade	•						÷	
DYONICS Curved INCISOR Plus PLATINUM 4.5mm Blade	•		•	•				•

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

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Ordering information

NOVOSTITCH	° PRO Meniscal Repair System	FIRSTPASS [®] M	1INI Sut	
Reference #	Description	Reference #	Desc	
CTX-A003	NOVOSTITCH PRO Meniscal Repair System (2-0)	72290128	FIRS	
CTX-A004	NOVOSTITCH PRO Meniscal Repair System (0)	- 72290129 72290130	FIRS ⁻	
 CTX-R001	NOVOSTITCH Cartridge (2-0)	MENISCAL ROOT Rep		
 CTX-R002	NOVOSTITCH Cartridge (0)	7193J001	MEN	
 CTX-C001	NOVOCUT [◊] Suture Manager	System include	es:	
FAST-FIX [®] 36	0 Meniscal Repair System	71935072	ACU	
72202467	FAST-FIX 360, Straight	71935073	ACU	
72202468	FAST-FIX 360, Curved	71935071	Oper	
72202469	FAST-FIX 360, Reverse Curved	71935076	MRR	
	Straight Knot Pusher/Suture Cutter and	71935074	Aime	
72202674	Slotted Cannula Set, Single use	71935075	Aime	
72202675	Curved Knot Pusher/Suture Cutter and Slotted Cannula Set, Single use	Disposable kit include		
015106		71935070	Pack	
015186	Meniscal Depth Probe, Reusable	71935068	Pack	
014549	45° Diamond Rasp, Reusable	_ 71935360	Instr	
014550	90° Diamond Rasp, Reusable			
7210977	Slotted Cannula, Reusable	7209485	MEN	
7209950	209950 Suture Threaders, Sterile, Box of 10		ITCHER	
ULTRA FAST-I	FIX Meniscal Repair System	012600	MEN	
72201491	ULTRA FAST-FIX, Curved		Ti-Cı	
72201492	ULTRA FAST-FIX, Reverse Curved	012615	30" l	
72201494	ULTRA FAST-FIX AB, Curved	DYONICS° Cu	rved PL	
72201495	ULTRA FAST-FIX AB, Reverse Curved	72205110	4.5m	
72201537	Knot Pusher/Suture Cutter	72205109	4.5m	
7210977	Slotted Cannula, Reusable	WEREWOLF °	COBLA	
72201490	ULTRA FAST-FIX, Straight	72290037	WER	
72201493	ULTRA FAST-FIX AB, Straight	72290105	WER	

FIRSTPASS [®] MINI Suture Passer					
Reference #	Description				
72290128	FIRSTPASS MINI Suture Passer				
72290129	FIRSTPASS MINI Left-Curved Suture Passer				
72290130	FIRSTPASS MINI Right-Curved Suture Passer				
MENISCAL RO	OOT Repair System				
7193J001	MENISCAL ROOT Repair System				
System include	es:				
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 kit	includes:				
71935070	Pack with ULTRABRAID [◊] Suture				
71935068	Pack with ULTRATAPE Suture				
71935360	Instrument Pack				
MENISCUS MI	ENDER II Repair System				
7209485	MENISCUS MENDER II Disposable Set				
MENISCAL ST	ITCHER Repair System				
012600	MENISCAL STITCHER Set				
012615	Ti-Cron™ 10 swaged needles with #2-0, 30" long suture (12/box)				
DYONICS [®] Cu	rved PLATINUM Blades				
72205110	4.5mm Curved SYNOVATOR [®] PLATINUM Blade				
72205109	4.5mm Curved INCISOR Plus PLATINUM Blade				
WEREWOLF [®]	COBLATION ^o				
72290037	WEREWOLF FLOW 50° Wand				
72290105	WEREWOLF Controller				

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Learn more at AllTearsAllRepairs.com

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The FIRSTPASS MINI Suture Passer and WEREWOLF COBLATION are manufactured by ArthroCare Corporation, 7000 West William Cannon Drive, Austin, TX 78735, USA. All other products listed here are manufactured by Smith+Nephew.