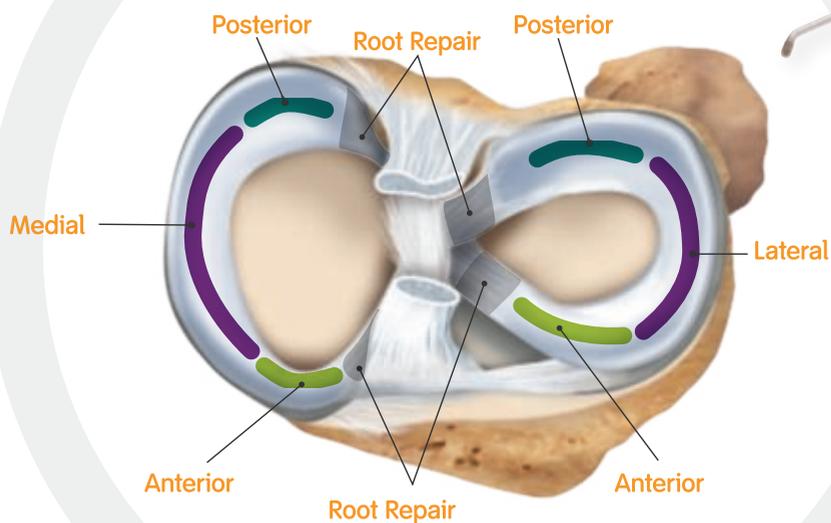


Chart a course for meniscal preservation



The clearly defined value of meniscal preservation

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. Removal of meniscal tissue has been shown to cause increased contact stress and result in degeneration of the articular cartilage over the long term. In recent years, arthroscopic repair techniques have become more prevalent and are widely accepted for the treatment of meniscal tears. Arthroscopy can provide easier access to the knee and potentially avoid the risks of open surgical procedures.¹



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.

- All-inside** ULTRA FAST-FIX[®] Meniscal Repair System and FAST-FIX 360 Meniscal Repair System
- Outside-in** MENISCAL MENDER II Repair System
- Inside-out** MENISCAL STITCHER Repair Set
- Root repair** MENISCAL ROOT Repair System
- MAT** Meniscal Allograft Transplantation – Smith & Nephew Solutions



save the
meniscus
some things are better left intact

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.

Building on the success of the original FAST-FIX system, the ULTRA FAST-FIX System was designed.



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 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 knot sliding with ULTRABRAID[◊] Suture

This suture offers advantages over traditional polyester suture.

Choice of implants

Implants available in PEEK-OPTIMA[®] or PLLA.

Curved and reverse curved needles

Curved needles promote safe and easy 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 is designed to enter the inferior area without skiving the meniscus or the tibial plateau.

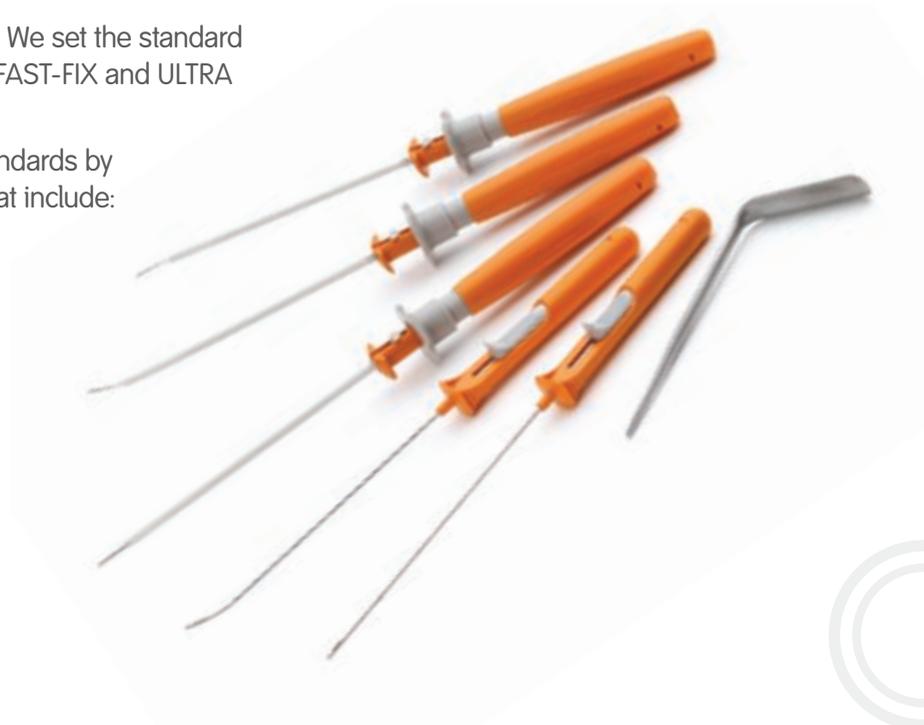
FAST-FIX[®] 360

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 that include:



One-handed, fast-click, active implant deployment

The unique 360° actuation design enables you to deploy implants in any hand position – vertically, 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

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.

Low profile with improved control

Low-profile, stiffer needle shaft improves control and is designed to enable access and visibility to hard-to-reach areas of the meniscus.

Built-in adjustable depth penetration

Set needle depth penetration from 10mm to 18mm with the simple push of a button.

Strong with 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.² 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, to help minimize the risk of damage to neurovascular structures during meniscal repair.



MENISCAL STITCHER

Repair Set

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, the ability to deliver sutures with smaller needles, and with proven long-term results, inside-out techniques have been considered the gold standard for arthroscopic meniscus repair.³

Designed specifically for inside-out procedures and to be customized to the unique needs of each procedure, the Meniscal Stitcher Set features several straight and curved double lumen cannulas, as well as a posterior access cannula, thimble and bending tool. The set is completed with its own sterilization tray and is complimented by a variety of disposable needles.



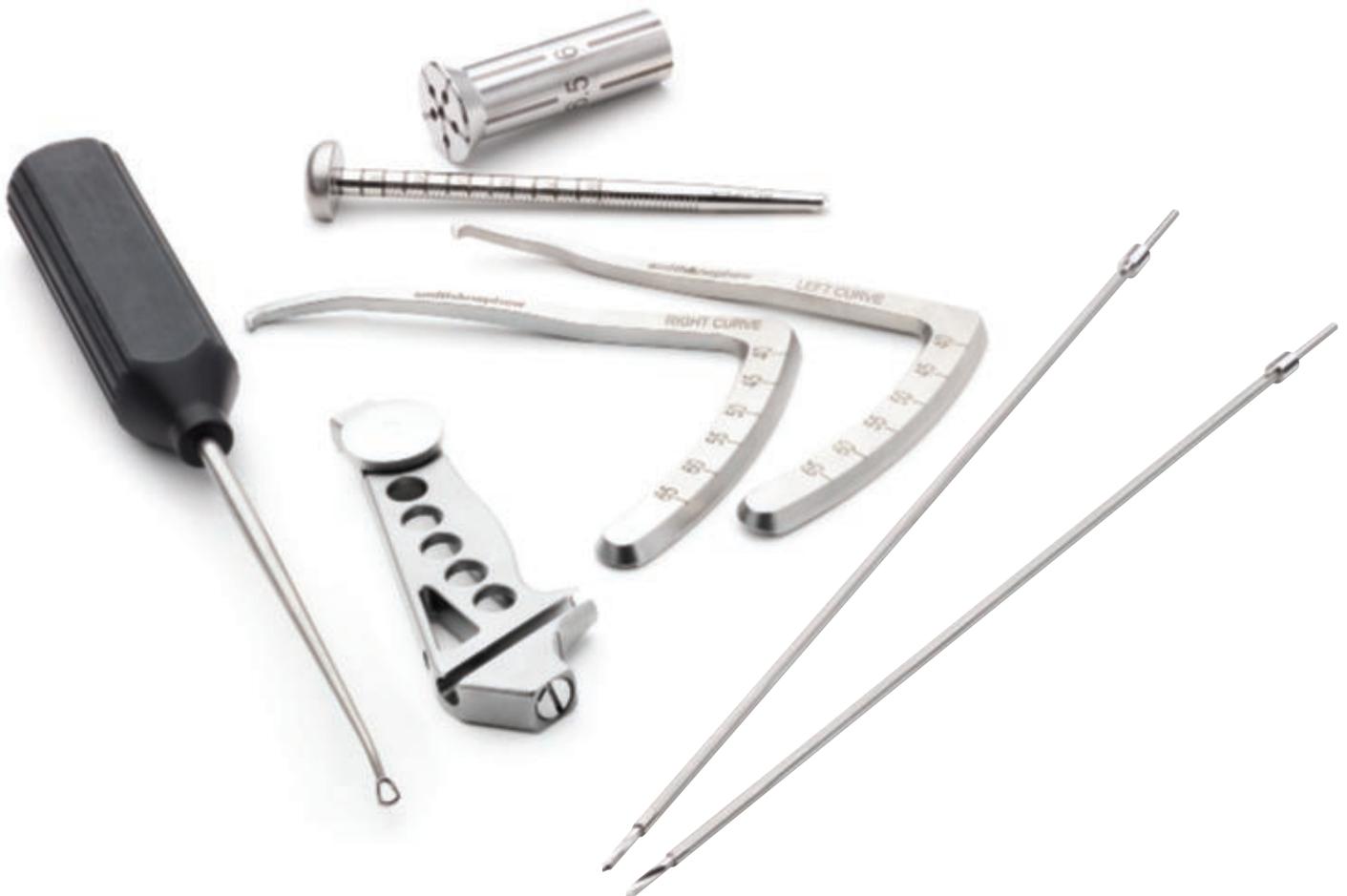
MENISCAL ROOT

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.

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 which facilitates the ideal location of the second tunnel. When used with Smith & Nephew tibial fixation devices and sutures, a strong and reliable repair can be achieved.



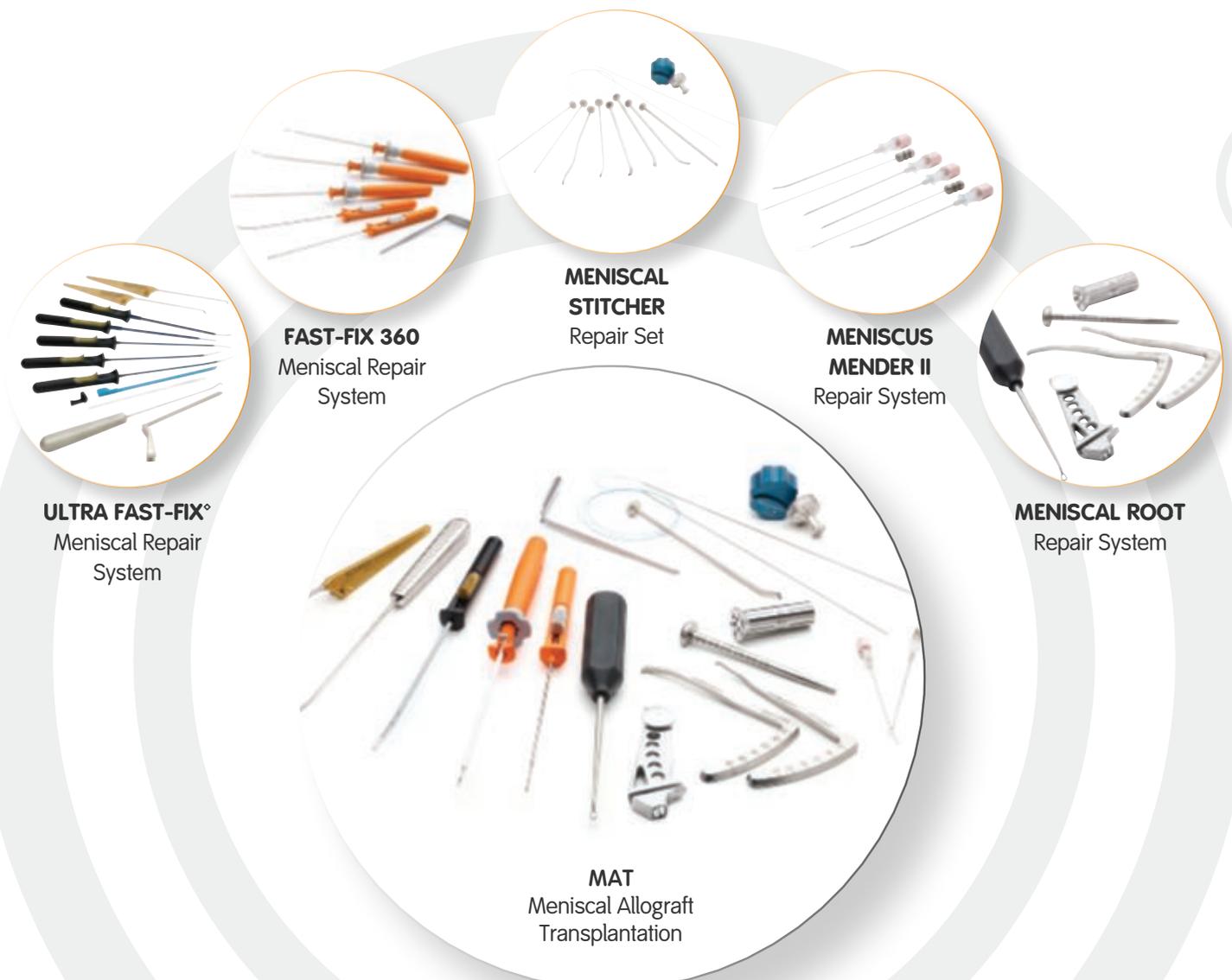
MAT

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 is also available. Some of these educational resources can be found at the end of this document.



Surgical techniques and resources

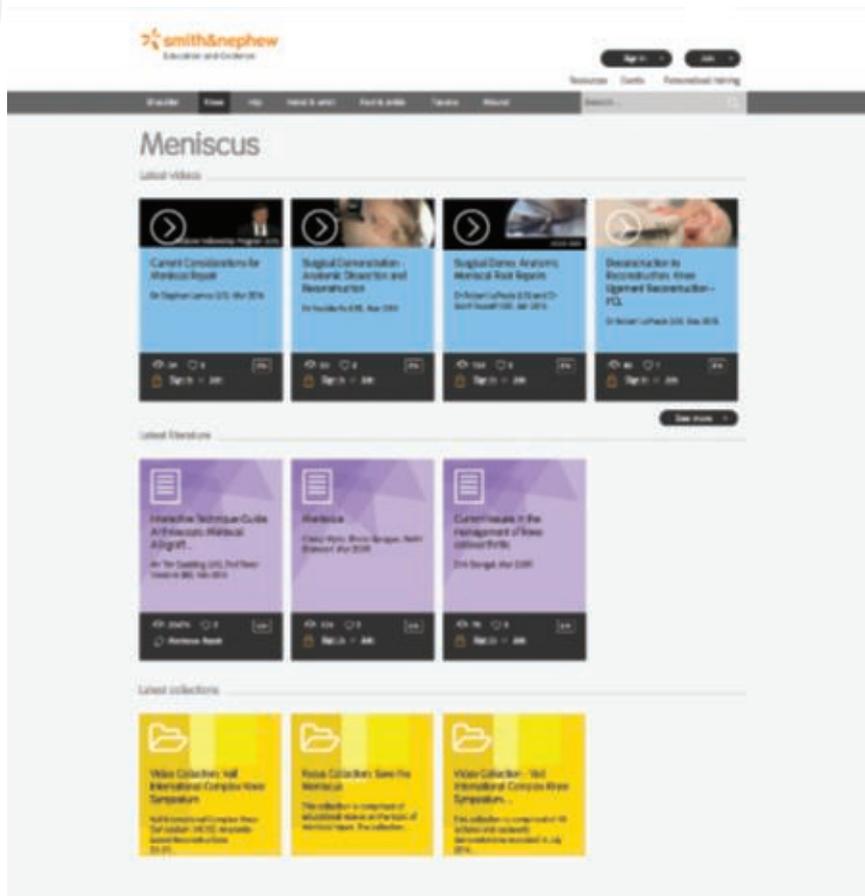
Supported by leading surgeons in Orthopaedics, Trauma, Sports Medicine and Wound Management, Education and Evidence is a powerful, online knowledge resource created to enable peer to peer sharing of the latest surgical experience and knowledge around the world.

Join the experts today and gain access to 1,500 content items including:

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



For a complete array of meniscal repair resources, please visit Smith & Nephew's Education and Evidence website at www.smith-nephew.com/education. Register to be the first to know about upcoming webinars and courses!



Navigating meniscal preservation

The following surgical technique information and educational materials are available from Smith & Nephew:

ULTRA FAST-FIX[®]

Item #: 01160 V1

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

Item #: 10600342A

Evaluation of the Mechanical Properties of the ULTRA FAST-FIX Meniscal Repair System in a Bovine Meniscus Model White Paper

FAST-FIX 360

Item #: 04745 V1

FAST-FIX 360 Meniscal Repair System Brochure

Item #: 10600658A

FAST-FIX 360 Meniscal Repair System, Surgical Demonstrations DVD

- Technique Animation
- Product Overview by Surgeon
- Surgical Technique Demonstration on Sawbone Menisci Model
- Surgical Technique Demonstration (Bioskills)
- Tips and Pearls
- Other Techniques and Information

Item #: 10600542B

All-Inside Meniscal Repair with the FAST-FIX 360 Meniscal System Surgical Technique Guide

Item #: 10600596A

The Biomechanical Performance of the FAST-FIX 360 Meniscal Repair System White Paper

Meniscus Mender II

Item #: 1061511B

Meniscal Repair Using the Smith & Nephew Meniscus Mender II Repair System Brochure

Meniscal Root Repair

Item #: 05486 V1

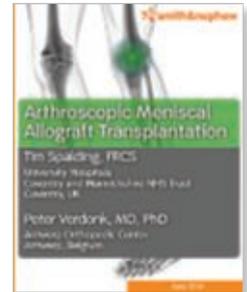
Technique Guide

MAT – Meniscal Allograft Transplantation

Knee Repair iBook

Surgical Technique Guide

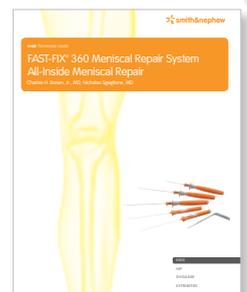
Search “Smith & Nephew”, “MAT” in the iBook store to download



Search “Smith & Nephew”, “MAT” in the iBook store to download



Item #: 04745 V1



Item #: 10600542B

Contact your local sales representative for more information and to order these resources.

For detailed product information, including indications for use, contraindications, effects, precautions and warnings, please consult the product’s Instructions for Use (IFU) prior to use.

1 Konan S and Haddad F, “Outcomes of Meniscal Preservation Using All-inside Meniscus Repair Devices,” Clin Orthop Relat Res 468 (2010):1209-1213.

2 Data on file at Smith & Nephew: ITR 4080, “FAST-FIX 360 System vs. Competitors,” (2010).

3 Nelson C and Bonner K, “Inside-Out Meniscus Repair,” Arthroscopy Techniques 2 no. 4 (2013):453-460.

Ordering Information

Reference #	Description
ULTRA FAST-FIX[®] Meniscal Repair System	
72201491	ULTRA FAST-FIX, Curved
72201492	ULTRA FAST-FIX, Reverse Curved
72201494	ULTRA FAST-FIX AB, Curved
72201495	ULTRA FAST-FIX AB, Reverse Curved
72201537	Knot Pusher/Suture Cutter
7210977	Slotted Cannula, reusable
72201490	ULTRA FAST-FIX, Straight
72201493	ULTRA FAST-FIX AB, Straight

FAST-FIX 360 Meniscal Repair System	
72202467	FAST-FIX 360, straight
72202468	FAST-FIX 360, curved
72202469	FAST-FIX 360, reverse curved
72202674	Straight Knot Pusher/Suture Cutter and Slotted Cannula Set, single use
72202675	Curved Knot Pusher/Suture Cutter and Slotted Cannula Set, single use

Accessories:

015186	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

MENISCUS MENDER II Repair System	
7209485	MENISCUS MENDER II Disposable Set

MENISCAL STITCHER Repair System	
012600	MENISCAL STITCHER Set

MENISCAL ROOT Repair System	
7193J001	MENISCAL ROOT Repair System
System includes:	
71935072	ACUFEX [®] DIRECTOR MRR Angled Bullet
71935073	ACUFEX DIRECTOR MRR Drill Guide Handle
71935071	Open Curettes
71935076	MENISCAL ROOT Repair Offset Guide
71935074	Aimer Guide Curve – Left
71935075	Aimer Guide Curve – Right
Disposable Kits:	
71935070	MENISCAL ROOT Repair Pack with ULTRABRAID [®]
71935068	MENISCAL ROOT Repair Pack with ULTRATAPE [®]
71935360	MENISCAL ROOT Repair Instruments Pack

For more information, contact your local Smith & Nephew representative, or visit www.smith-nephew.com.



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