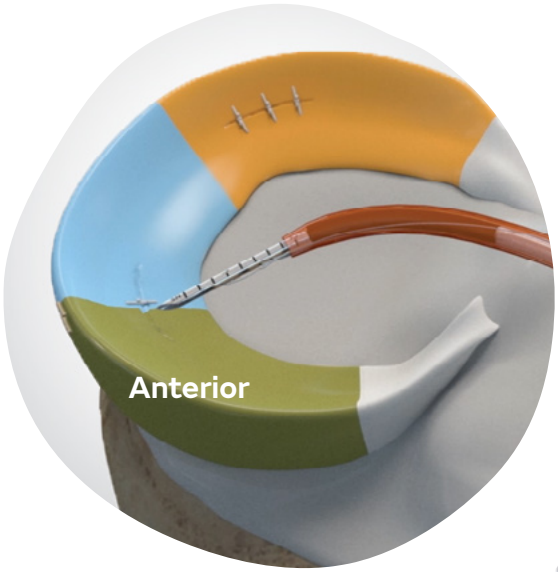
Llegue más lejos + repare más

FAST-FIX FLEX permite la reparación de menisco todo dentro en todas las zonas para tratar desgarros que antes eran inaccesibles[*1-3]

Smith+Nephew

FAST-FIX◊ FLEX
Sistema de reparación de menisco

SPARTHROS Medical



*en comparación con el producto de referencia

Llegue más lejos, repare más

Smith+Nephew ha ampliado el alcance de las reparaciones de menisco todo dentro con FAST-FIX◊ FLEX*. La exclusiva flexibilidad de la aguja guiada y el cuerpo permite el acceso a todas las zonas del menisco, utilizando un acceso anterior estándar.[1]

✚ Aumente la fiabilidad*[1-3]

con el despliegue activo 360° con una sola mano, con confirmación táctil, auditiva y visual[1]

Limitador de profundidad ajustable
(12 mm, 16 mm tal como se envía, 20 mm)

Eficacia del procedimiento

La cubierta de la aguja puede eliminar el uso de una hemicánula, y está diseñada para entrar y salir fácilmente de la articulación de la rodilla

Sutura trenzada

Puede proporcionar visibilidad contra el menisco blanco

Punta de la aguja marcada con láser

Sirve como una referencia rápida para la profundidad de penetración de la aguja

FAST-FIX FLEX curvado + Doblador

FAST-FIX FLEX curvado reverso + Doblador

FAST-FIX FLEX puede facilitar:

- La reparación de desgarros verticales
- La reparación de desgarros en asa de cubo
- La reparación de desgarros de lesiones en rampa
- El trasplante de aloinjertos de menisco
- Y mucho más

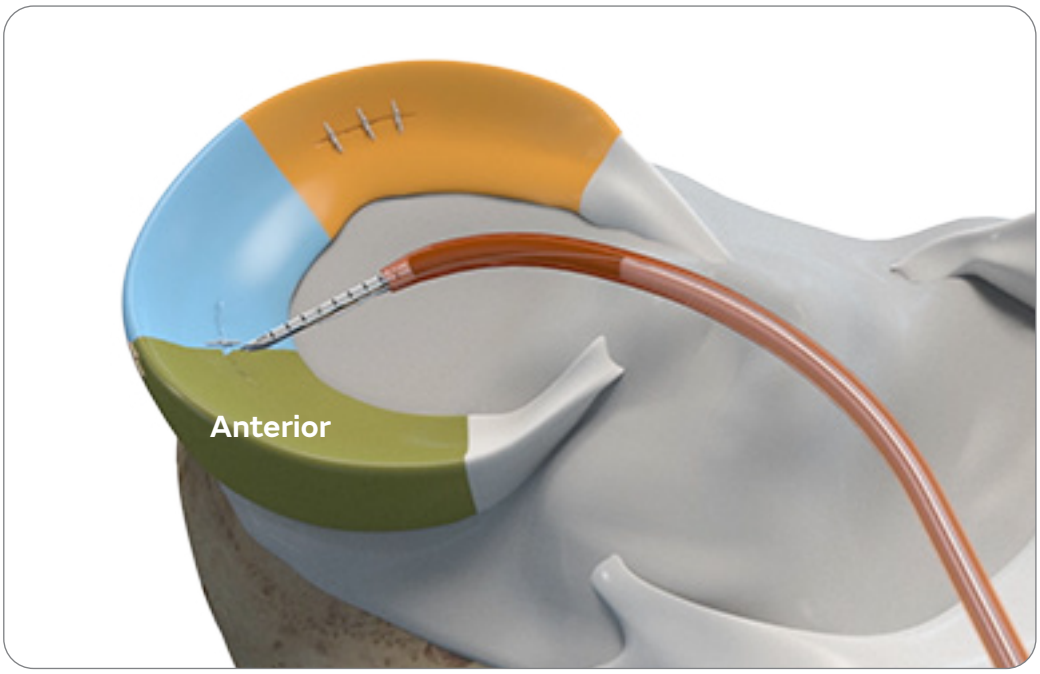
*en comparación con el producto de referencia

SPARTHROS Medical

Vea la animación

Mejore la accesibilidad

FAST-FIX◊ FLEX proporciona acceso a la zona posterior, así como al tercio anterior y la mitad del cuerpo del menisco, donde se ha demostrado que ocurre más del 40 % de los desgarros de menisco en las rodillas estables de adultos[1,2,6]

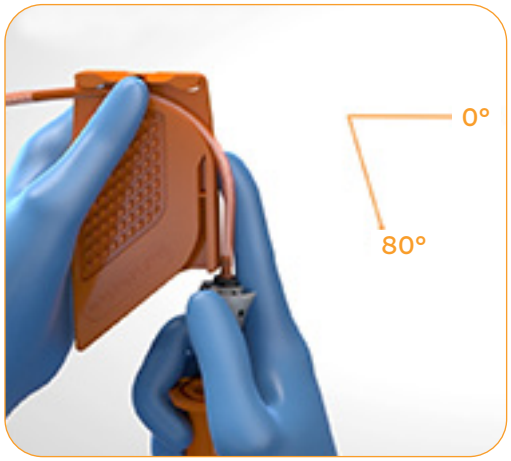


FAST-FIX FLEX curvado

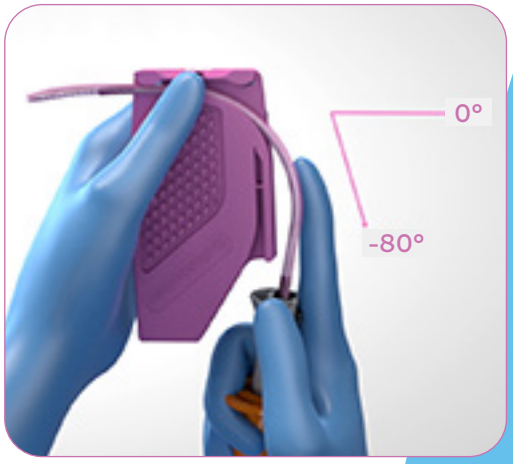
Aguja doblada hasta 35°

FAST-FIX FLEX curvado reverso

Aguja doblada hasta -22°



Cuerpo doblado hasta 80°



Cuerpo doblado hasta -80°

El doblador no proporciona mediciones. El grado máximo de doblado se estableció mediante pruebas de laboratorio.

SPARTHROS

✚ Conserve la anatomía

FAST-FIX® FLEX

T1 FAST-FIX FLEX curvado
perfil de la aguja e implante

FAST-FIX 360

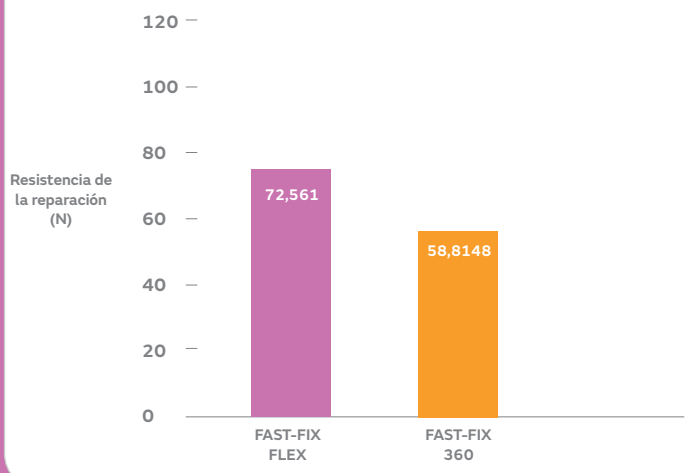
T2 T1 FAST-FIX 360, curvado
perfil de la aguja e implante

Los implantes en línea y una aguja de calibre 17 crean un área de inserción de la aguja un 25 % más pequeña[*4]

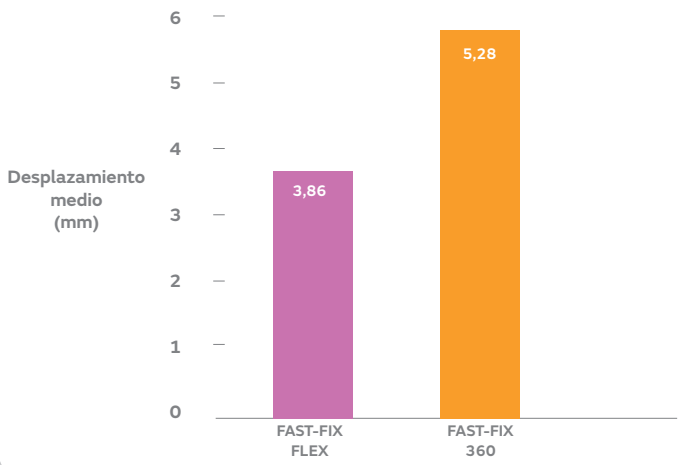
~20 % menos contacto[*4] con la cápsula, pero ~20 % más fuerte[*+7]

Funcionamiento mejorado*

RESISTENCIA MEDIA DE LA REPARACIÓN DESPUÉS DE 1000 CICLOS[7]



DESPLAZAMIENTO CÍCLICO MEDIO DESPUÉS DE 1000 CICLOS[7]



~20 % más fuerte[*+7]

27 % menos desplazamiento[*+7]

*en comparación con nuestro producto de referencia
+según se demostró en las pruebas biomecánicas

SPARTHROS

Reparación de menisco todo dentro en todas las zonas

✚ FLEX

✚ Fijación

✚ Acabado

Lea la guía técnica

SPARTHROS

Se ha demostrado clínicamente que la reparación todo dentro con FAST-FIX◊ permite restaurar la funcionalidad de la rodilla sana[8]

Puntuación de Lysholm

92,3
Puntuación postoperatoria media de FAST-FIX[8]

94
Puntuación media en adultos sanos[9]

0 92,3 94 100

Puntuación de la actividad de Tegner (TAS)

5,7
Puntuación media en adultos sanos[9]

6,3
Puntuación postoperatoria media de FAST-FIX[8]

0 5,7 6,3 10

86 %
tasa media de éxito de la reparación todo dentro con FAST-FIX[8]

Más de 20 años de innovación en reparación de menisco

haga clic en los nombres de los productos para ver las imágenes emergentes

2013
Indicación de procedimiento TAM

2001
Sistema de reparación de menisco FAST-FIX

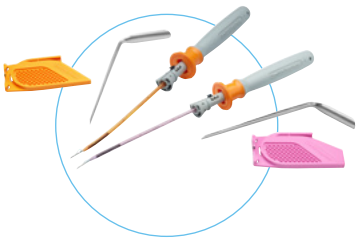
1999
Sutura T-Fix

SPARTHROS

All tears, all repairs

Soluciones para la reparación del menisco

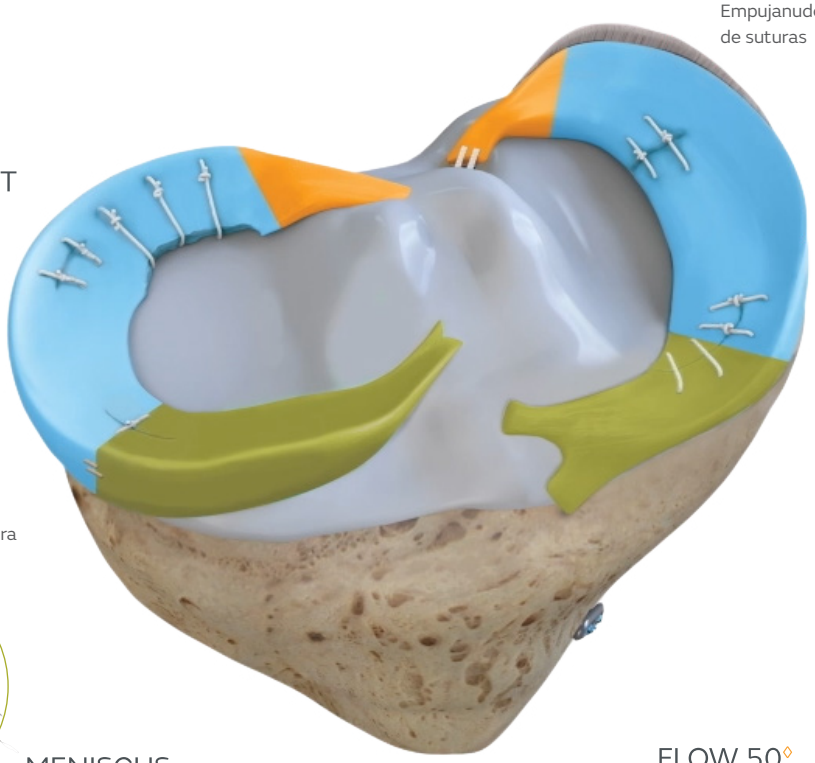
NOVOSTITCH◊ PRO
Sistema de reparación de menisco

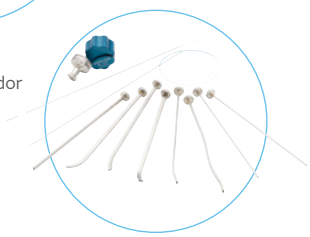


FAST-FIX◊ FLEX
Sistema de reparación de menisco

NOVOCUT◊
Empujanudos cortador de suturas

MENISCAL ROOT
Sistema de reparación

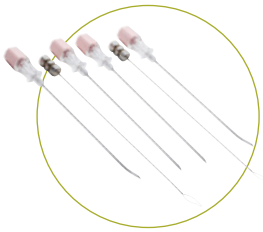




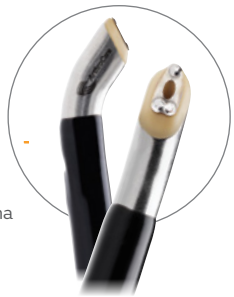
MENISCAL STITCHER
Sistema de reparación

FIRSTPASS◊ MINI
Familia de pasadores de sutura

DYONICS◊ PLATINUM
Cuchillas curvadas



MENISCUS MENDER II
Sistema de reparación



FLOW 50◊
Aplicador de plasma COBLATION°

Vea la animación de All tears, all repairs

Acelerando el tratamiento de referencia para la reparación de menisco

SPARTHROS

Información para pedidos

FAST-FIX◊ FLEX	
N.º de referencia	Descripción
72205324	FAST-FIX FLEX curvado con Doblador y hemicánula ranurada
72205325	FAST-FIX FLEX curvado reverso con Doblador y hemicánula ranurada
CTX-C001	Empujanudos cortador de suturas NOVOCUT◊
Accesorios	
015186	Sonda de profundidad de menisco, reutilizable
014549	Raspa de diamante de 45°, reutilizable
014550	Raspa de diamante de 90°, reutilizable
7210977	Hemicánula ranurada, reutilizable
7209950	Enhebradores de sutura, estériles, caja de 10
COBLATION◊	
72290105	Sistema WEREWOLF◊ COBLATION
72290007	Pedal alámbrico WEREWOLF
72290008	Pedal inalámbrico WEREWOLF
72290037	Aplicador de plasma FLOW 50◊ COBLATION
Cuchillas DYONICS◊ PLATINUM	
72205292	Cuchilla de resector mecánico DYONICS PLATINUM FLYER◊

+ All tears, all repairs

Soluciones para la reparación del menisco

Vídeos de las técnicas por tipo de desgarro

Radial

Fijación capsular Todo dentro

Dr. Jorge Chahla

Todo dentro Todo sutura

Dr. Chris Dougherty

Vertical/ longitudinal

Fijación capsular anterior Todo dentro

Dr. David Flanigan

Fijación capsular posterior Todo dentro

Dr. Vehnhiah Tjong

Horizontal

Todo dentro Todo sutura

Dr. Seth Sherman

Todo sutura Todo dentro + Fuera-dentro

Dr. David Flanigan

Raíz

Sutura-botón Doble túnel

Dr. Robert LaPrade

Sutura-botón Túnel único

Dr. Geoffrey Van Thiel

Sutura-botón Túnel único

Dr. Justin Saliman

En rampa

Fijación capsular Todo dentro

Dr. Jorge Chahla

Compleja

Todo dentro Todo sutura

Dr. Seth Sherman

Todo dentro

Dr. Scott Faucett

Degenerativa

TAM: Prep. injerto de tapón óseo

Dr. Scott Faucett

TAM: Técnica de tapón óseo

Dr. Scott Faucett

FAST-FIXFLEX FIRSTPAS SMINI NOVOSTITCHPRO

FAST-FIX 360 MENISCAL STITCHER

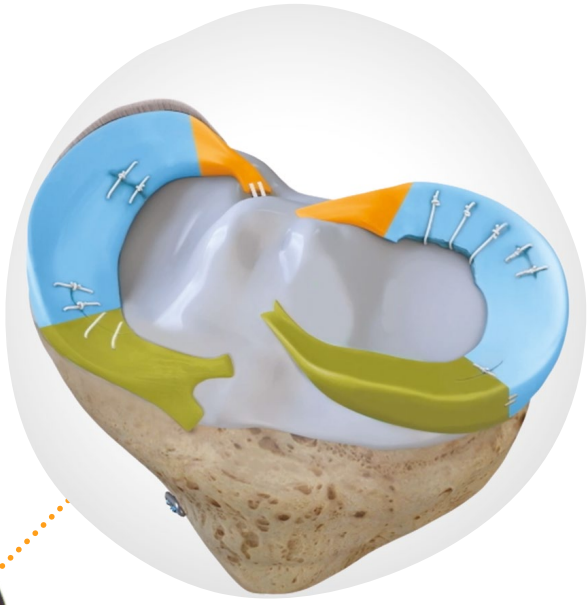
TAM: Trasplante de aloinjertos de menisco

SPARTHROS Medical

All tears, all repairs

Meniscal Repair Solutions

Smith+Nephew



SPARTHROS Medical

Accelerating the standard of care toward 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

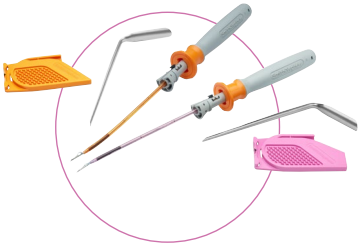
SPARTHROS

To learn more, visit AllTearsAllRepairs.com

All Tears All Reps

All tears, all repairs

Meniscal Repair Solutions



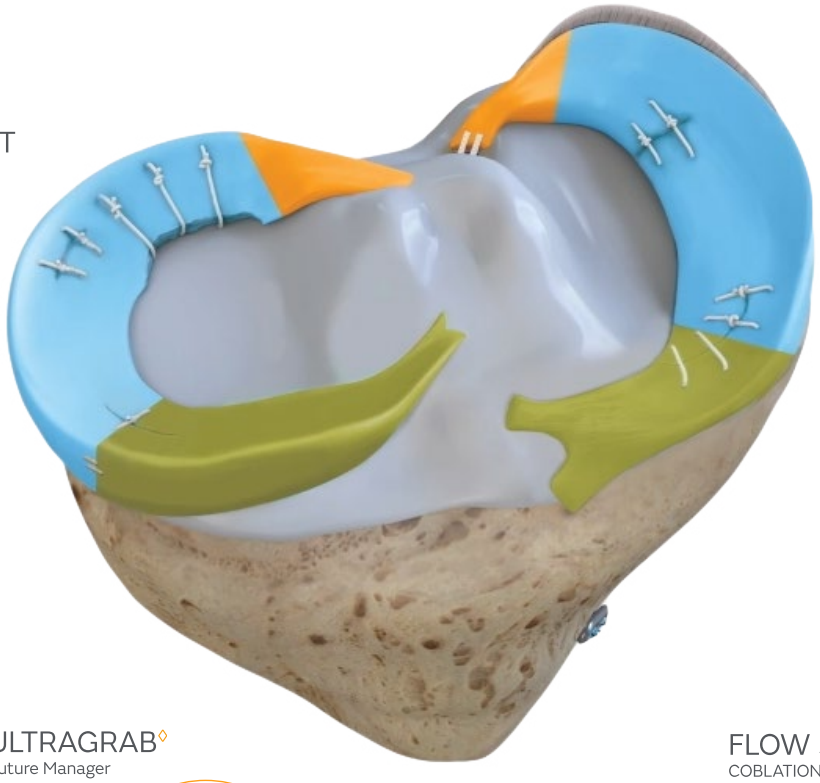
FAST-FIX◊ FLEX
Meniscal Repair System

NOVOSTITCH◊ PRO
Meniscal Repair System

NOVOCUT◊
Suture Manager

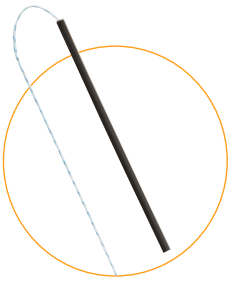
MENISCAL ROOT
Repair System

MENISCAL STITCHER
Repair System

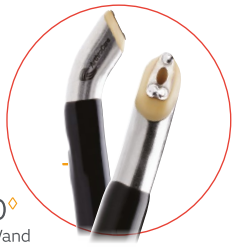


FIRSTPASS◊ MINI
Family of Suture Passers

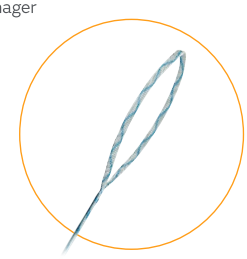
DYONICS◊
PLATINUM FLYER◊
Shaver Blade



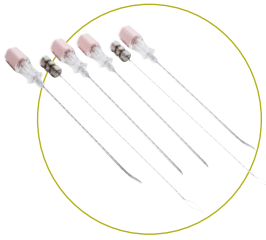
ULTRAGRAB◊
Suture Manager



FLOW 50◊
COBLATION◊ Wand



ULTRALOOP◊
Suture Loop



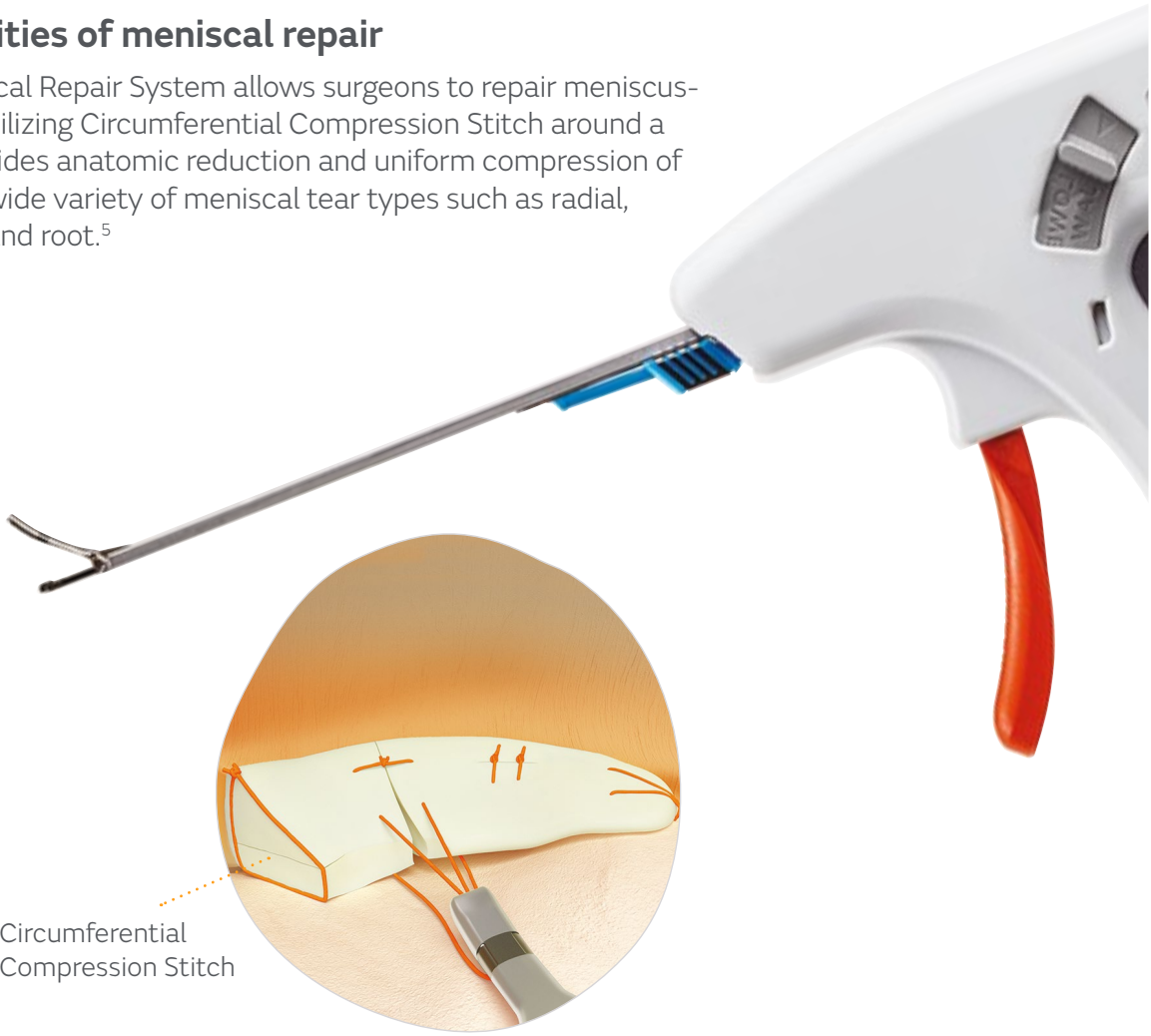
MENISCUS
MENDER II
Repair System

Scan or click the QR to watch the animation

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, 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.

Scan or click the QR to watch the animation

FAST-FIX◊ FLEX
Meniscal Repair System

Reach more, repair more

Smith+Nephew has extended the reach of all-inside meniscal repairs with FAST-FIX◊ FLEX*[6-8]. The unique guided needle and shaft flexibility allow access to all zones across the meniscus using a standard anterior portal.[6]

✚ Increase reliability*[6-8]

through one-handed 360° active deployment
confirmed through touch, sound and sight[6]

Braided suture

may provide visibility against the white meniscus

Adjustable depth limiter
(12mm, 16mm as shipped, 20mm)

Procedural efficiency

Needle shroud may eliminate the use of a cannula and is designed to easily enter and exit the knee joint

Laser-marked needle tip

serves as a quick reference for needle depth penetration

FAST-FIX FLEX can facilitate:

- Vertical tear repairs
- Bucket handle tear repairs
- Ramp lesion tear repairs
- Meniscal allograft transplant
- And many more

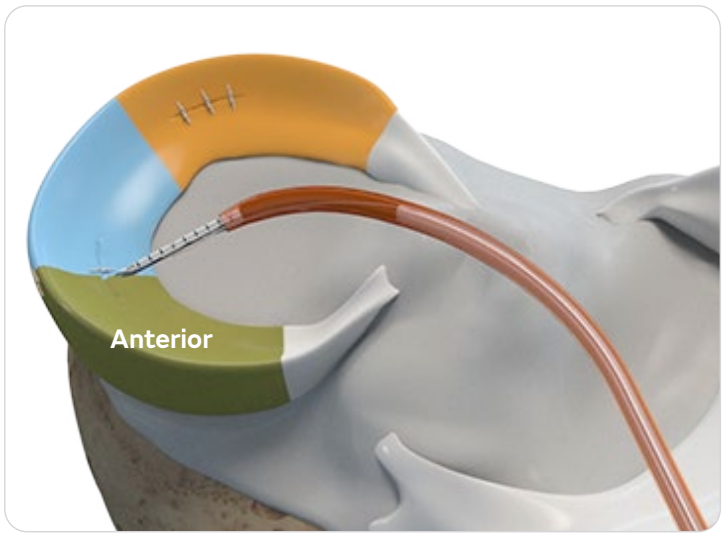
FAST-FIX FLEX Curved + Bend Tool

FAST-FIX FLEX Reverse Curved + Bend Tool

*compared to our predicate device

✚ Enhance accessibility

FAST-FIX◊ FLEX provides access to the posterior zone as well as the mid-body and anterior third of the meniscus, the latter two zones have been shown to account for more than 40% of meniscal tears in stable adult knees.[6,7,9]

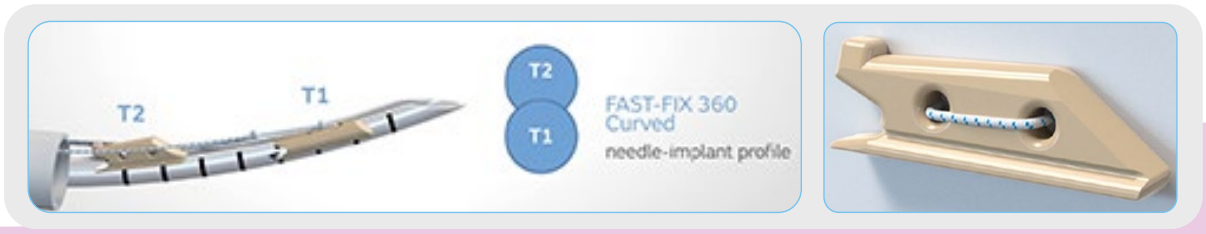


FAST-FIX FLEX Curved

✚ Preserve Anatomy

FAST-FIX◊ FLEX

FAST-FIX 360



In-line implants and a 17 gauge needle create a 25% smaller needle insertion area*10

~20% less contact*10 with the capsule but ~20% stronger*+11

27% less displacement*+11

20% stronger*+11

Scan or click the QR to watch the animation

*compared to our predicate device
+as demonstrated in biomechanical testing
Bend tool does not provide measurement. Maximum bend degree was established by benchtop testing

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.[12,13,33]

Easy

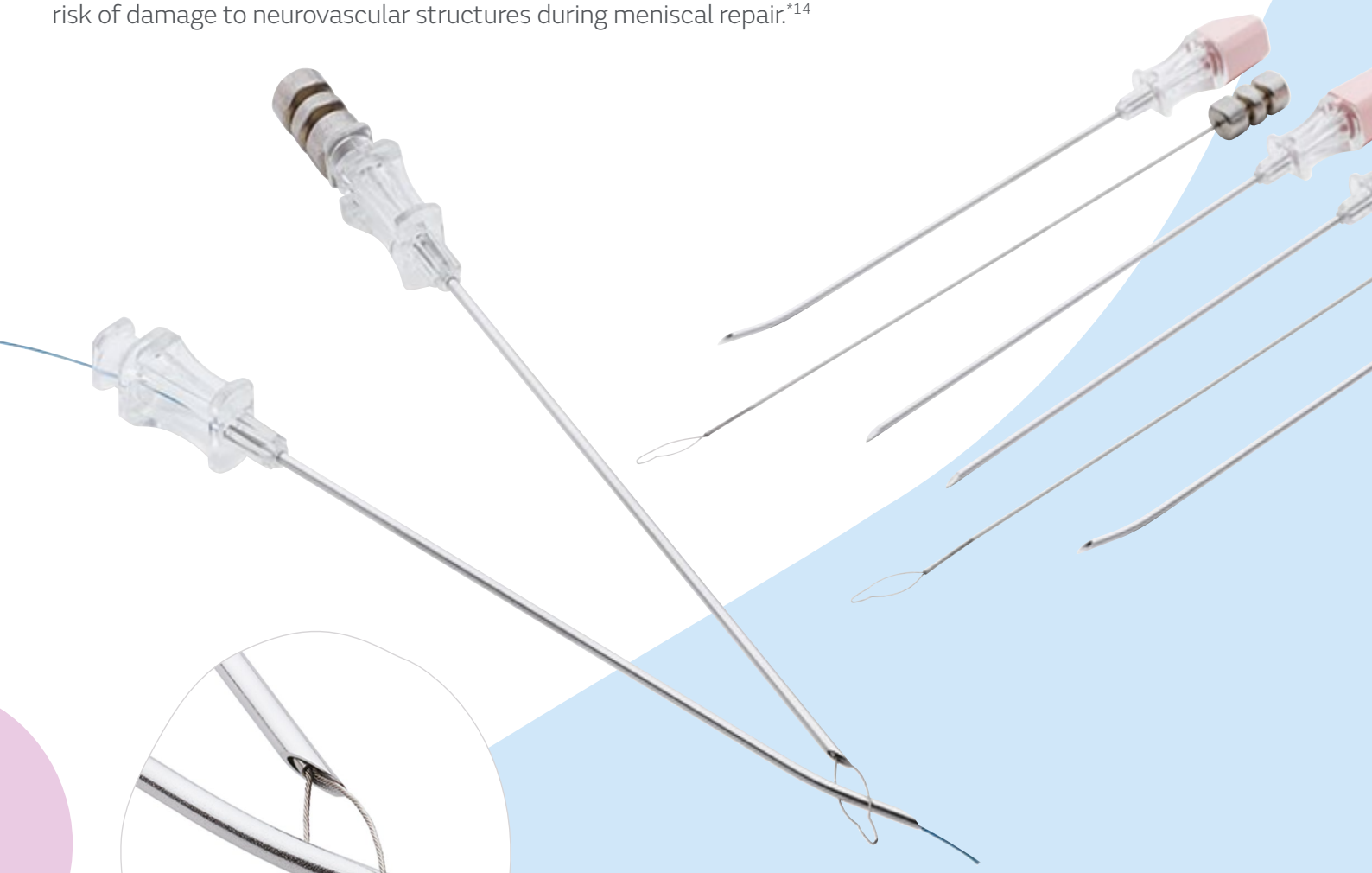
- Curved and reverse-curved needles designed to provide easy access to a multitude of tear sites.

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.[34]

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.*[14]



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

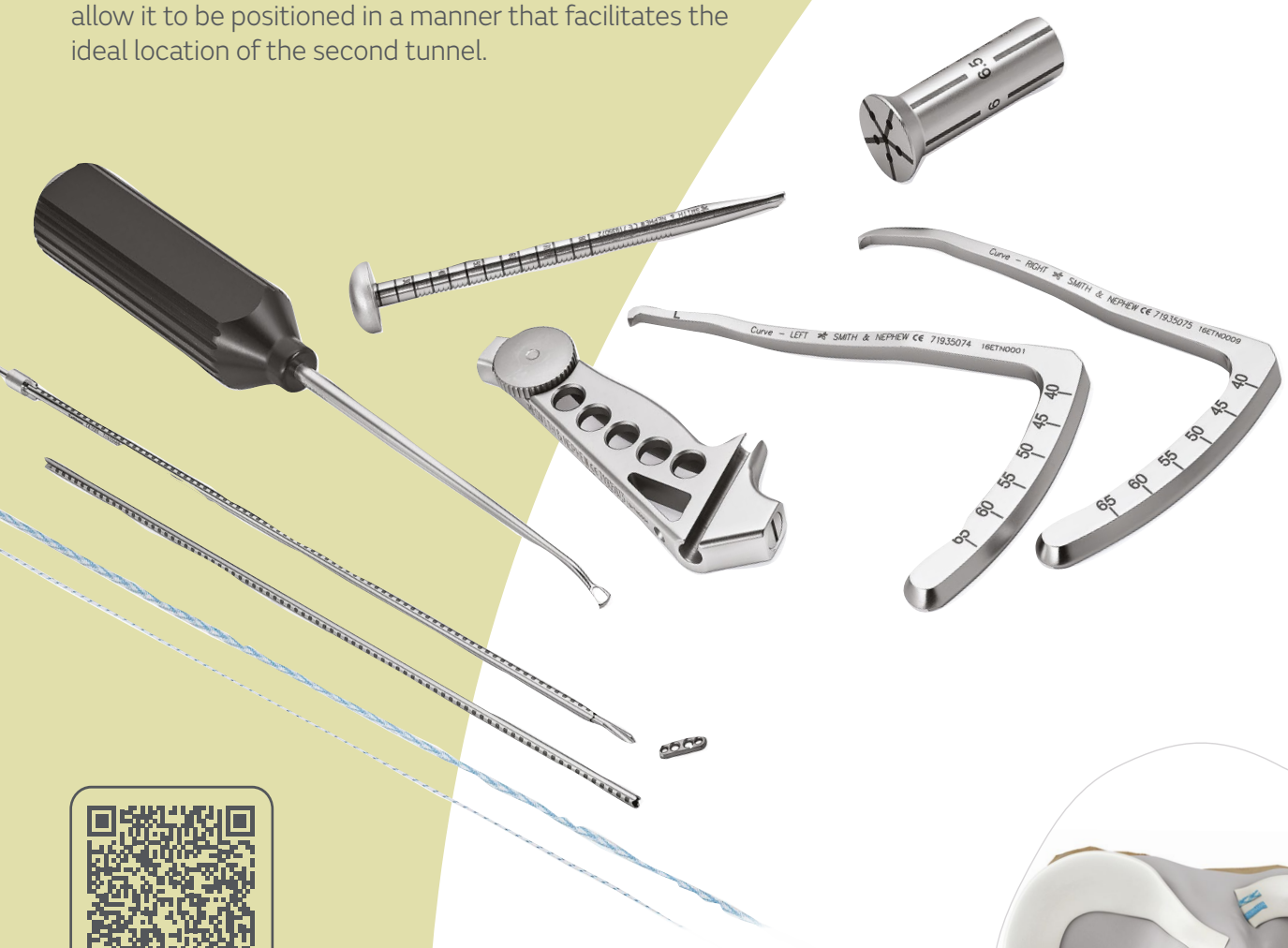
*Compared to inside-out approach

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.[15]

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 5-7mm which allow it to be positioned in a manner that facilitates the ideal location of the second tunnel.



Scan or click the QR to watch the animation

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.[16,35,36]

Versatility

Passes ULTRABRAID◊ Suture and ULTRATAPE◊ Suture.

Accessibility

Straight and 17° left- and right-curved jaw options.

Scan or click the QR to watch the animation

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.[17]

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
- Posterior-access cannula
- Thimble
- Bending tool
- Sterilization tray
- Variety of disposable needles

SPARTHROS Medical

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

May limit the need for other devices.

Scan or click the QR to watch the animation

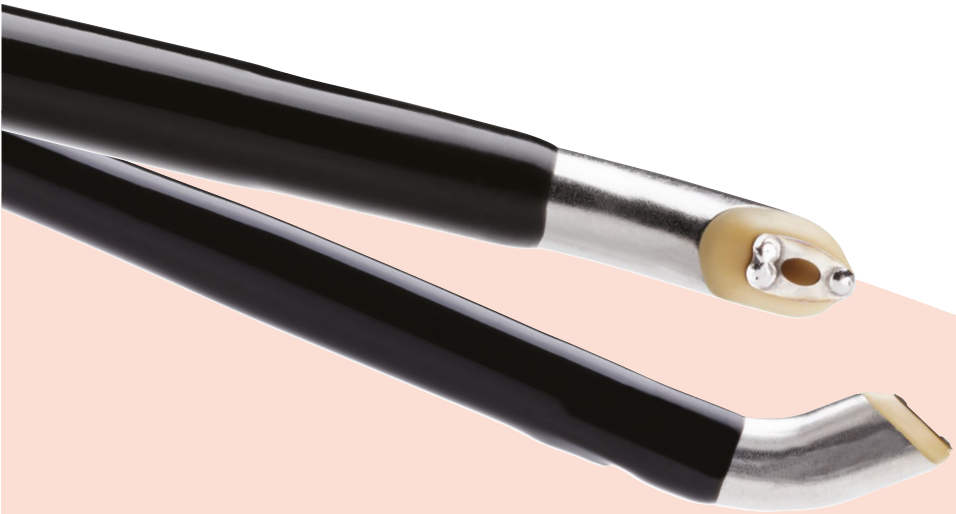
WEREWOLF◊ FLOW 50◊
Wand

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[18,19]**
- Designed to provide optimal access to the posterior horn and root of the meniscus



Scan or click the QR to watch the animation

Faster***

Faster patient recovery.[20]

Better***

Better patient outcomes.[20-22]

Safe****

Safe for use on all joint soft tissue.[23-29]

* 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◊ PLATINUM FLYER◊
Shaver Blades

Challenge the limits

- Easily accesses tight joint spaces[30]
- Minimizes potential for damage to surrounding tissues during insertion and removal*[30]
- Unique window designed to maximize resection rate and limit clogging
- 78% less metal debris than Arthrex® 4.0mm Torpedo™ during soft tissue resection**[31]

Typical Procedural Use:	Objectives:
▪ Posterior meniscus resection	▪ Use tapered tip to easily access and manipulate meniscus in the posterior aspect of the knee
▪ Other meniscus cleanup	▪ Address a variety of meniscal resection needs using unique window shape

Competitor

DYONICS 4.0mm PLATINUM FLYER

Concave cut design increases window area up to 57% vs straight cut design[32]

Access

Tapered tip facilitates easy access to tight joint spaces

Assess

Tip design allows tissue manipulation for thorough diagnosis

Address

Window design coupled with DYONICS PLATINUM technology allows for completion of meniscectomy

Scan or click the QR to watch the animation

*n=8

**As demonstrated in bench-top testing at maximum settings

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Solution Offering

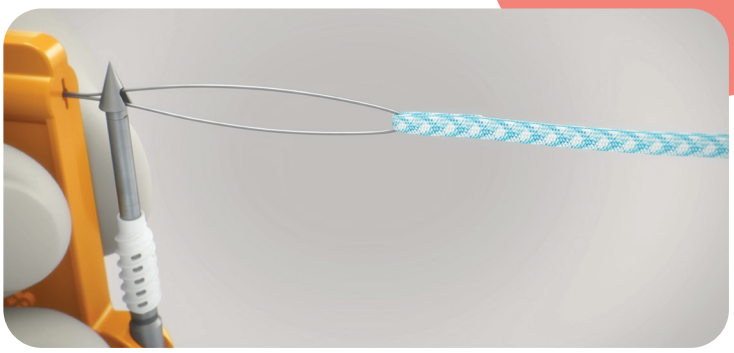
	Root	Anterior	Horizontal	Radial or Parrot Beak	Flap	Longitudinal Vertical	Bucket Handle	Ramp lesion	Meniscal allograft transplant	Complex
NOVOSTITCH® PRO Meniscal Repair System	●		●	●	●	●	●		●	●
FAST-FIX® FLEX Meniscal Repair System		●				●	●	●	●	●
ULTRA FAST-FIX Meniscal Repair System						●	●			
MENISCUS MENDER II Repair System		●								●
MENISCAL ROOT Repair System	●									
FIRSTPASS® MINI Suture Passers	●									
MENISCAL STITCHER Repair System			●	●	●	●	●			●
WEREWOLF® FLOW 50° Wand	●		●	●						
DYONICS® PLATINUM FLYER 4.0 Blade										

Smith+Nephew

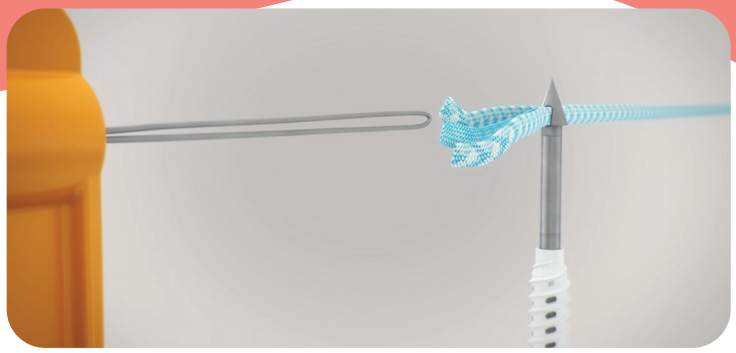
HEALICOIL◊ KNOTLESS
Suture Anchor

Reference Guide

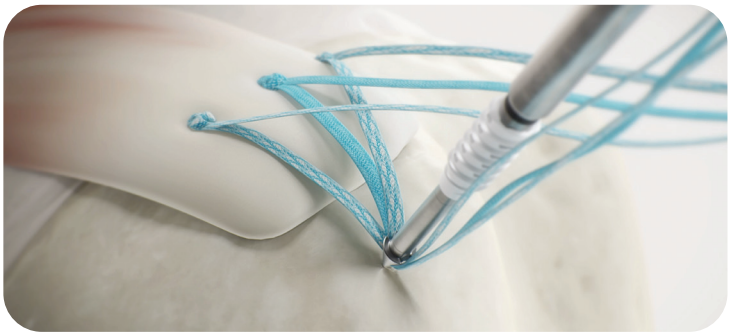
Self-tapping



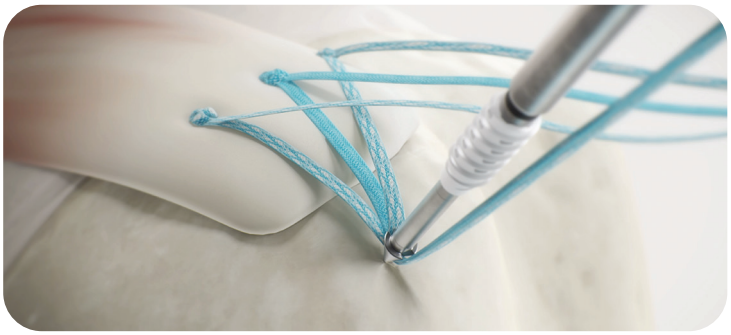
1. Pass suture through suture threader loop.



2. Pull suture threader to load implant with suture. Repeat 1 + 2 until all desired suture is loaded.

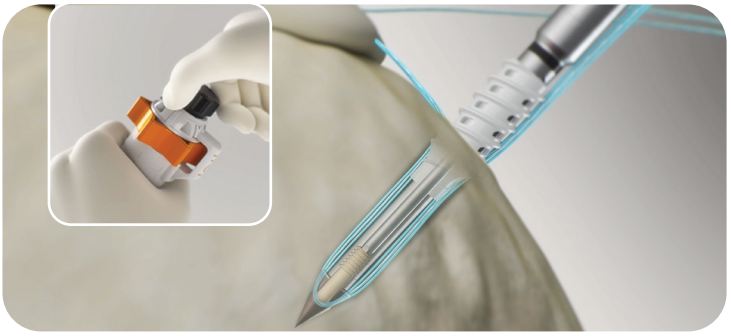


3. Locate insertion site. Prepare hole with recommended hole prep device listed in IFU.

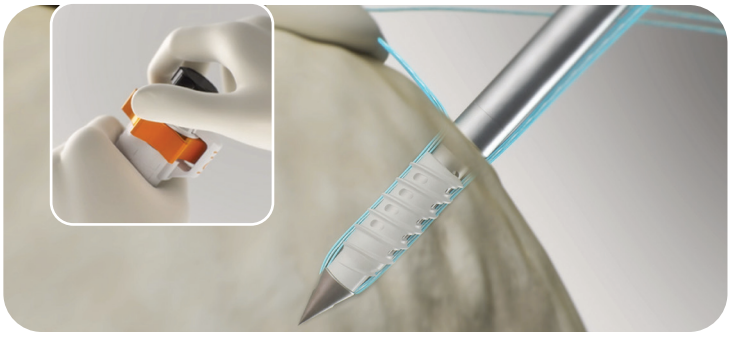


4. Introduce device into joint and remove any slack in suture prior to insertion.

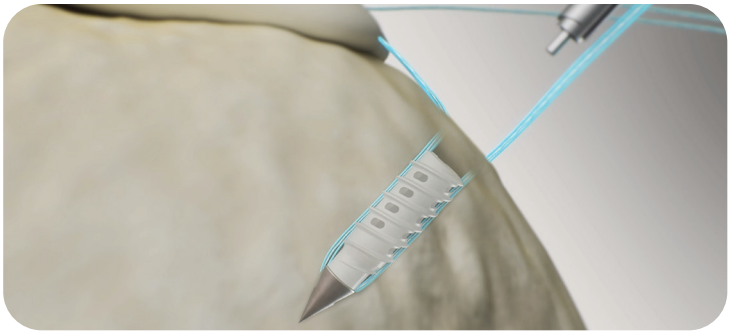
5. Insert distal implant into bone until proximal implant's first thread is positioned partially within the bone. Tension sutures to ensure appropriate tissue compression. Cleat sutures if desired. Verify the proximal anchor's first thread is positioned partially within the bone.



6. Descend internal plug by rotating smaller, most proximal knob. Rotate clockwise until a minimum of one click is heard.



7. Turn the larger, more distal knob clockwise to advance the proximal implant until the laser mark is flush with the surface of the bone. To remove inserter from the joint pull back on the handle.



8. Pull back on inserter to remove.

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