

ANCHORS

ORTHOSYN Titanium Suture Anchor With Needle

Orthosyn Titanium Suture Anchor with Needle is designed to meet the highest standards in orthopedic and surgical procedures. Available in four sizes—2.0 mm, 3.5 mm, 5.0 mm, and 6.5 mm—this suture anchor offers versatile applications for a range of clinical needs.

Key Features:

1. High Biocompatibility: Constructed from materials that exhibit exceptional biocompatibility, this suture anchor minimizes the risk of adverse reactions and ensures optimal integration with surrounding tissues.

2. Superior Materials: Crafted from high-resistance Ultra High Molecular Weight Polyethylene (UHMWPE) and Titanium Alloy (Ti-6Al-4V), this anchor combines durability and strength. The UHMWPE provides excellent wear resistance, while the Titanium Alloy ensures structural integrity and longevity.

3. Safe and Comfortable Use: Designed with precision and user safety in mind, the anchor's construction allows for secure placement and minimal discomfort during and after the procedure. The included needle facilitates accurate insertion, enhancing overall surgical efficiency.

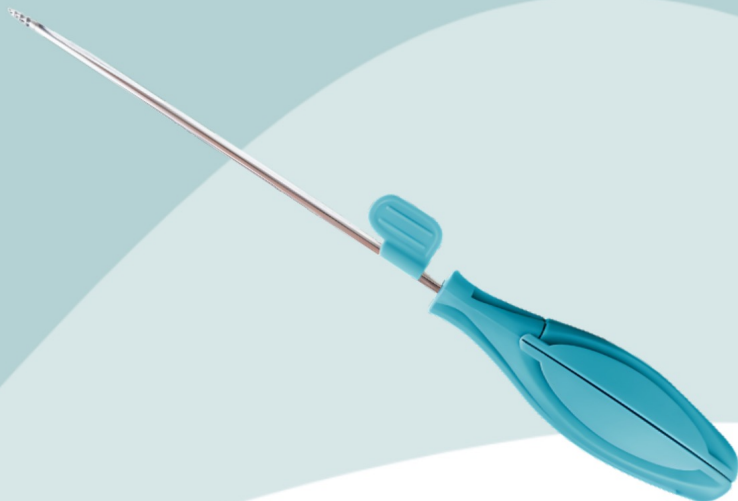
4. Versatile Size Options: Available in sizes ranging from 2.0 mm to 6.5 mm, this anchor meets various surgical requirements, providing flexibility for different types of repairs and reconstructions.

5. Manufacturing Excellence: Each anchor is manufactured to the highest quality standards, ensuring reliable performance and consistency in clinical applications.

Whether used in arthroscopic surgery, ligament repairs, or other orthopedic procedures, our Titanium Suture Anchor with Needle offers unparalleled reliability and effectiveness. Choose the size that best fits your procedural needs and experience the benefits of cutting-edge surgical technology.

Size:

- 2.0 MM
- 3.5 MM
- 5.0 MM
- 6.5 MM



ANCHORS

ORTHOSYN Titanium Suture Anchor Without Needle

ORTHOSYN Titanium Suture Anchor Without Needle is expertly designed to meet the rigorous demands of orthopedic and surgical procedures. Offered in four versatile sizes—2.0 mm, 3.5 mm, 5.0 mm, and 6.5 mm—this suture anchor provides exceptional reliability and performance for various clinical applications.

Key Features:

High Biocompatibility: Constructed with materials that exhibit outstanding biocompatibility, this suture anchor ensures minimal risk of adverse tissue reactions and promotes seamless integration with the surrounding biological structures.

Premium Materials: Made from high-resistance Ultra High Molecular Weight Polyethylene (UHMWPE) and Titanium Alloy (Ti-6Al-4V), this anchor is engineered for superior strength and durability. UHMWPE offers excellent wear resistance, while the Titanium Alloy ensures robust structural integrity.

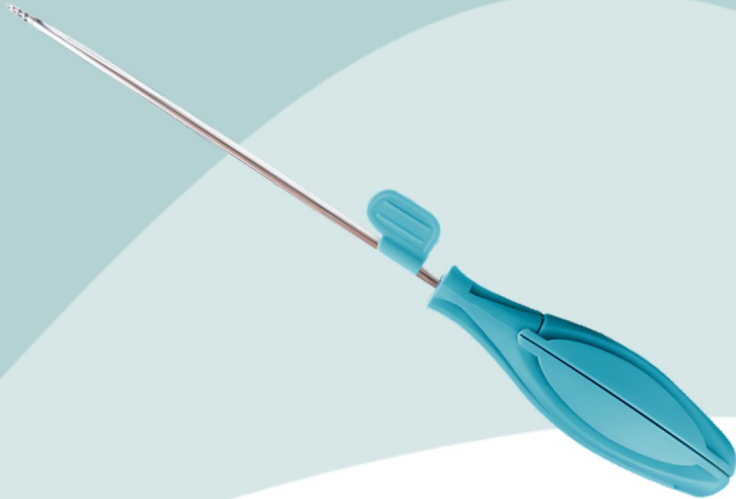
Safe and Comfortable Use: Designed with precision to

enhance user safety and comfort, the anchor provides secure fixation with minimal discomfort during and after the procedure, contributing to an improved patient experience.

Flexible Size Options: Available in four sizes—2.0 mm, 3.5 mm, 5.0 mm, and 6.5 mm—this suture anchor accommodates a range of surgical needs, making it adaptable for different types of repairs and reconstructions.

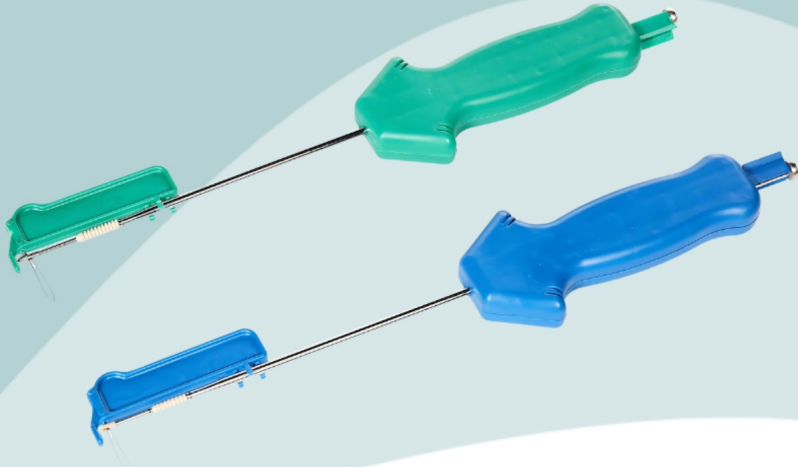
Manufacturing Excellence: Each suture anchor is produced to the highest quality standards, ensuring consistent performance and reliability in clinical settings.

Ideal for a variety of orthopedic procedures, including arthroscopic surgeries and ligament repairs, our Titanium Suture Anchor Without Needle provides the advanced technology needed for successful outcomes. Select the appropriate size for your specific application and benefit from the innovation and quality embedded in our surgical solutions.



ANCHORS

ORTHOSYN KNOTLESS Anchor PEEK+PEEK Without Suture Anchor



ORTHOSYN KNOTLESS PEEK+PEEK Without Suture Anchor is designed for enhanced performance in arthroscopic procedures where a strong, reliable fixation is essential. Available in two sizes—3.5 mm and 5.0 mm—this innovative anchor is constructed entirely from PEEK (Polyetheretherketone), ensuring both durability and biocompatibility.

Key Features:

- **Knotless Design:** The anchor's knotless construction simplifies the surgical process by eliminating the need for sutures, reducing surgical time and potential complications.
- **Dual PEEK Construction:** Comprising two pieces of PEEK, this anchor provides exceptional stability and strength. The use of PEEK ensures a high level of mechanical performance while maintaining compatibility

with biological tissues.

- **Proximal Strength:** The proximal part of the anchor is specifically designed to offer a robust fixation. Its unique geometry provides a secure hold in the bone, enhancing the overall stability of the fixation.
- **Biocompatibility:** Made from PEEK, a material known for its excellent biocompatibility, the anchor integrates seamlessly with the surrounding tissues, promoting optimal healing and reducing the risk of adverse reactions.

This anchor is engineered to meet the demanding requirements of modern arthroscopic techniques, offering reliable fixation and long-term performance. It is an ideal choice for orthopedic applications where a strong, stable, and suture-free solution is needed.

ANCHORS

ORTHOSYN Suture Anchor Knotless Peek + Peek

ORTHOSYN Knotless PEEK + PEEK Anchor is engineered to offer a reliable and efficient fixation solution for various orthopedic and surgical procedures. Available in two sizes—3.5 mm and 5.0 mm—this advanced suture anchor is designed to provide strong and secure fixation without the need for knots.

Key Features:

1. Knotless Design: The innovative knotless design eliminates the need for tying knots, simplifying the surgical process and reducing procedural time. This feature enhances ease of use and ensures a more efficient and streamlined procedure.

2. Dual PEEK Construction: Constructed from two high-quality PEEK components, this anchor combines the superior properties of Polyetheretherketone (PEEK). PEEK is known for its excellent mechanical strength, biocompatibility, and durability, making it ideal for demanding surgical environments.

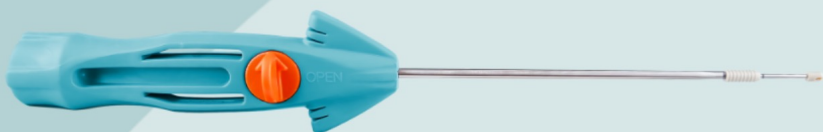
3. Strong Fixation: The anchor provides strong and reliable fixation due to its well-engineered proximal part. The design

ensures that the anchor securely holds the suture in place, contributing to successful outcomes in various types of repairs and reconstructions.

4. Versatile Size Options: Offered in two sizes—3.5 mm and 5.0 mm—this suture anchor accommodates a range of surgical needs, allowing for flexibility in different types of procedures and anatomical considerations.

5. High-Quality Manufacturing: Each anchor is manufactured to the highest standards of quality and precision, ensuring consistent performance and reliability in clinical settings.

Ideal for a variety of orthopedic applications, including ligament repairs and arthroscopic surgeries, the Knotless PEEK + PEEK Anchor delivers advanced technology and dependable performance. Choose the appropriate size for your specific needs and benefit from the innovative knotless design and high-quality PEEK materials.



ANCHORS

ORTHOSYN Soft Anchor With Needle

ORTHOSYN Soft Anchor is an advanced, high-performance anchoring solution designed for a variety of arthroscopic applications. Constructed entirely from ultra-high-molecular-weight polyethylene (UHMWPE), this anchor offers exceptional strength and durability, making it ideal for secure fixation in demanding environments.

Product Features:

- **Material:** The Soft Anchor is crafted from UHMWPE sutures, known for their superior tensile strength and resistance to wear. This ensures reliable performance and longevity in surgical procedures.
- **Options Available:** The anchor comes with and without a needle, providing flexibility to suit different surgical techniques and preferences.
- **Sizes:** Available in multiple sizes to accommodate various clinical needs:
 - 1.3 mm
 - 1.5 mm

- 1.9 mm
- 3.0 mm

Benefits:

- **High Strength:** The UHMWPE material guarantees a robust and stable fixation, crucial for maintaining the integrity of the repair.
- **Versatile Applications:** The variety of sizes and the choice between needle and non-needle options allow for customization based on specific surgical requirements.
- **Ease of Use:** Designed for straightforward application, the Soft Anchor enhances procedural efficiency and accuracy.

The Soft Anchor is engineered to meet the highest standards of orthopedic and arthroscopic care, offering a reliable solution for effective tissue fixation and repair.



ANCHORS

ORTHOSYN Soft Anchor Without Needle

Available Sizes: 1.3 mm, 1.5 mm, 1.9 mm, 3.0 mm

ORTHOSYN Soft Anchor Without Needle is a highly effective suture-based anchoring system designed for a wide range of arthroscopic and mini-open repair procedures. This innovative system is engineered to offer exceptional pullout strength and rigidity, making it an ideal choice for various orthopedic applications.

Key Features:

·Suture-Based Anchor System: This anchor is constructed entirely with suture materials, utilizing advanced UHMWPE (Ultra-High-Molecular-Weight Polyethylene) fibers. This ensures a strong and reliable fixation in various surgical scenarios.

·Excellent Pullout Strength: The ORTHOSYN anchor's design provides superior resistance to pullout forces, ensuring a stable and secure hold even under high-stress conditions. This characteristic is crucial for maintaining joint stability during the healing process.

·Rigid Design: The anchor features a rigid structure that

enhances its stability and reduces the risk of displacement. The robust design ensures that the anchor remains securely in place throughout the recovery period.

·Double UHMWPE Fiber Sutures: The dual suture configuration enhances the anchor's resistance to tensile forces and contributes to its overall performance.

·Versatile Applications: This anchor system is suitable for a variety of indications, including rotator cuff repairs, Bankart lesions, SLAP lesions, acromioclavicular (AC) joint repairs, and knee indications.

·Adaptability for Mini-Open Repairs: In addition to its use in standard arthroscopic procedures, this anchor system can also be effectively utilized in mini-open repairs, providing flexibility for different surgical approaches.

·High-Quality Materials: Constructed from UHMWPE fibers known for their excellent mechanical properties, the anchor ensures long-lasting performance and compatibility with the human body.



ANCHORS

ORTHOSYN In-Lock Anchor

Fully threaded, knotless ORTHOSYN In-Lock anchors are specifically designed for use with SutureTape, Fiber Sutures, Fiber Tapes, and soft-tissue grafts in various repair and reconstruction techniques. These anchors allow for tension to be visualized, adjusted, and securely locked into place using the ORTHOSYN In-Lock anchor body. Made from PEEK material, ORTHOSYN In-Lock anchors are cannulated and vented to reduce the amount of material used. The 2.9 mm ORTHOSYN In-Lock anchor is particularly suited for instability repairs,

providing excellent pullout and insertion strength while saving valuable time.

DIAMETER OPTIONS

- 2.9 mm,
- 3.5 mm,
- 4.5 mm
- 5.5 mm.



MENISCAL REPAIR SYSTEMS

ORTHOSYN Meniscal Repair Device

ORTHOSYN Orthosyn Meniscal Repair System is a state-of-the-art device designed for efficient and precise meniscus repair. This advanced system features two small PEEK (Polyether Ether Ketone) implants, which are renowned for their biocompatibility and strength. Each implant is pre-loaded with suture loops that are ready for immediate application, streamlining the repair process.

One of the standout features of the Orthosyn Meniscal Repair System is its built-in depth limiter. This innovative design

minimizes the risk of needle exposure beyond the capsule, enhancing safety and precision during the procedure. The device is engineered to be both easy and fast to use, allowing for quicker and more effective repairs.

Whether you are performing routine meniscal repairs or tackling more complex cases, the Orthosyn Meniscal Repair System offers reliability and performance that meets the highest standards of orthopedic care.



MENISCAL REPAIR SYSTEMS

ORTHOSYN Suture Cutter

ORTHOSYN Suture Cutters are meticulously engineered to enhance the efficiency and precision of arthroscopic surgeries. Designed specifically for cutting FiberWire and braided suture materials, these advanced tools feature uniquely crafted cutting jaws that maintain their sharpness even after repeated use, ensuring reliable performance in every procedure.

Key Features:

- **Precision Cutting:** ORTHOSYN Suture Cutters are designed with precision in mind, enabling effortless and accurate cutting of suture materials, including FiberWire and braided sutures.
 - **Durable Jaws:** The cutting jaws are expertly crafted to remain sharp throughout extensive use, reducing the need for frequent replacements and ensuring consistent cutting performance.
 - **Versatile Design:** Available in both closed and open end configurations, with an optional left-notch version, our Suture Cutters cater to a variety of surgical needs and preferences.
- Ergonomic Handle:** The ergonomic design of the handle

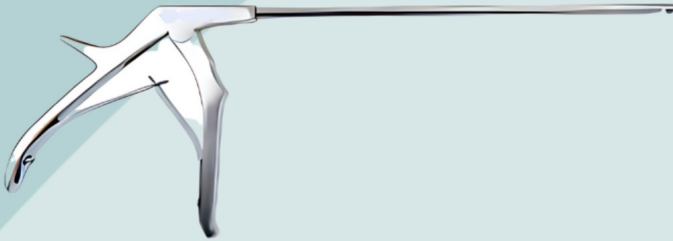
ensures comfortable grip and control, reducing hand fatigue during prolonged procedures.

- **Easy Maintenance:** The design of the Suture Cutters allows for easy cleaning and maintenance, promoting hygiene and longevity.

Product Variants:

- **Closed End Suture Cutters:** Ideal for precise, controlled cutting in confined spaces.
- **Open End Suture Cutters:** Perfect for accessibility in more open surgical areas.
- **Left Notch Version:** Designed to accommodate specific surgical techniques and preferences.

Our Suture Cutters are the perfect choice for surgeons seeking a reliable, high-performance tool that supports effective suture management during arthroscopic procedures. Elevate your surgical toolkit with our expertly crafted Suture Cutters and experience unparalleled precision and durability.



FIXATION SYSTEMS

ORTHOSYN Double Button Lift System

The Orthosyn Double Button Lift System provides advanced solutions for stabilizing and repairing Acromio-Clavicular (AC) joint dislocations and Syndesmosis joint separations.

Orthosyn Double Button Lift System - AC Lift System

AC Lift System is designed to restore shoulder anatomy, particularly the Acromio-Clavicular joint. It is ideal for managing acute and chronic dislocations, as well as fractures of the distal fourth part of the clavicle. The procedure involves:

- **Surgical Application:** The system is applied through a channel created using a suitable drill bit.
- **Reduction Mechanism:** By pulling the sutures, the acromion and clavicle are returned to their original position, effectively reducing the dislocation.
- **Anatomical Restoration:** The system helps restore proper alignment and stabilization of the AC joint, facilitating optimal recovery.

Orthosyn Double Button Lift System - Syndesmosis Lift System

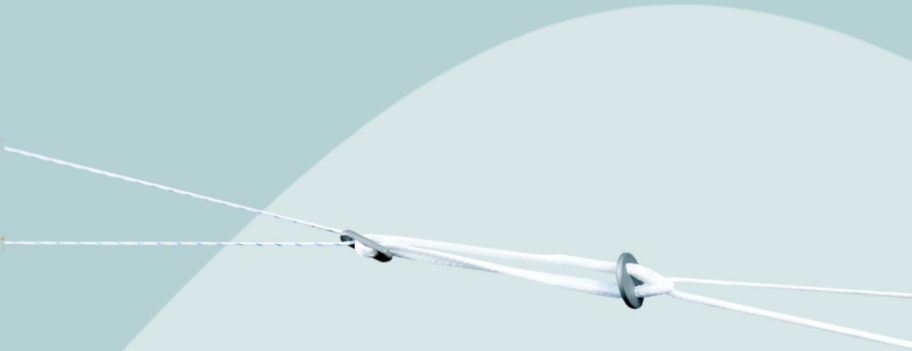
Syndesmosis Lift System is designed for the controlled restoration of Syndesmosis joint separations. This system can

be used with or without a plate and is applied through a channel drilled from the fibula to the tibia. Key features include:

- **Channel Drilling:** A suitable drill bit is used to create a channel through which the system is applied.
- **Controlled Restoration:** The system aids in the precise and controlled reduction of Syndesmosis separations, promoting effective healing.

Key Features and Benefits:

- **High Strength:** Made from UHMWPE, providing exceptional durability and strength.
- **Suture Combinations:** Sutures in White and Blue/White colors for visibility and reliability.
- **Biocompatibility:** Features Ti-6Al-4V ELI buttons, known for their excellent biocompatibility and strength.
- **Compression Mechanism:** Circular and longitudinal buttons provide effective compression between the fibula/tibia and clavicle/coracoid bones, ensuring secure fixation.



FIXATION SYSTEMS

ORTHOSYN Enhanced Suture UHMWPE

ORTHOSYN Enhanced Sutures, available in both Needle and Needle-Free options, represent a premium range of non-absorbable sutures. These sutures are intricately braided from yarns derived from Ultra High Molecular Weight Polyethylene (UHMWPE) fibers, ensuring exceptional durability and performance.

Indications for Use:

ORTHOSYN Enhanced Sutures are ideally suited for a variety of surgical procedures including:

- Ligament repair and reinforcement
- Soft tissue closure
- Repair or reinforcement of tuberosity repositioning
- Ligation procedures

Advanced Technology:

ORTHOSYN's state-of-the-art knitting and post-processing techniques endow these sutures with a unique set of features. The sutures boast unparalleled softness, allowing for smooth handling and ease of use during complex surgical procedures. Additionally, the sutures offer superior knotting safety, ensuring that knots remain secure throughout the healing process.

The distinctive knitted texture of ORTHOSYN Enhanced Sutures makes them highly resistant to deformation or breakage, even after repeated contact during surgical procedures. This

resilience is particularly advantageous in arthroscopic operations where the knot is tied externally and then pushed into place.

Key Features and Benefits:

- **High Strength:** Constructed from UHMWPE, these sutures offer exceptional tensile strength, providing reliable performance in demanding surgical environments.
- **Non-Absorbable:** Designed to maintain their integrity over time, ORTHOSYN Enhanced Sutures offer long-term support in tissue repair and reinforcement.
- **Color-Coded for Clarity:** The White and White/Blue color combinations facilitate easy identification and management of sutures, particularly in complex or multi-layered repairs.
- **Needle and Needle-Free Options:** Choose from sutures with or without needles to suit the specific needs of your surgical technique.

Size - Colours

- USP 0 - WHITE or BLUE / WHITE
- USP 2 - WHITE or BLUE / WHITE
- USP 5 - WHITE or BLUE / WHITE

FIXATION SYSTEMS

ORTHOSYN Femoral Lift System From the Bottom Model - Adjustable Button

The ORTHOSYN Femoral Lift System, From the Bottom Model, represents the pinnacle of innovation in orthopedic and arthroscopic surgical tools. This cutting-edge system features an advanced adjustable femoral sling mechanism, meticulously engineered to provide unparalleled precision and flexibility, essential for the success of complex surgical procedures.

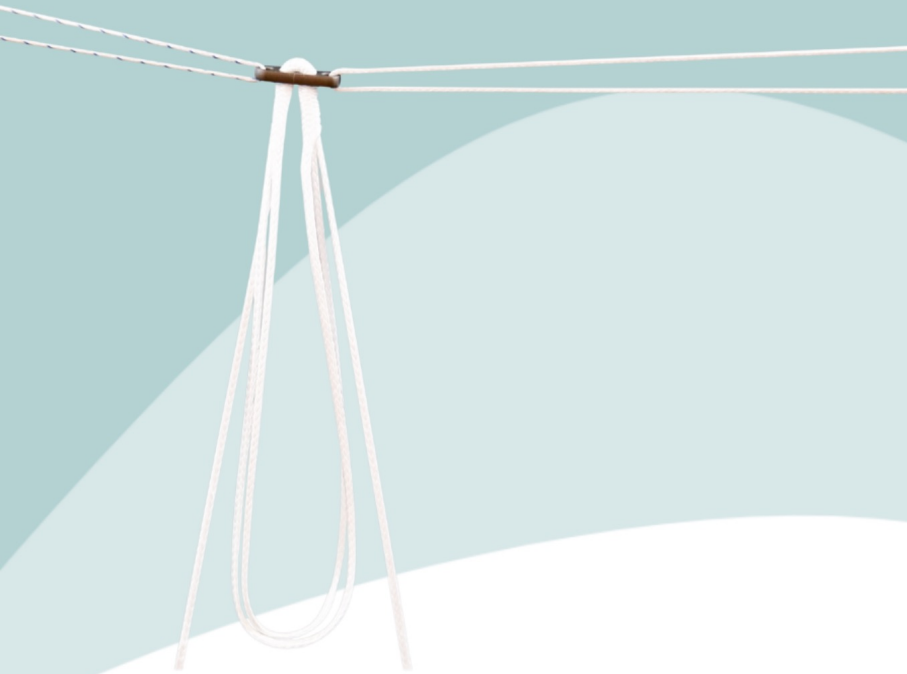
Key Features:

- 1. Advanced Adjustable Mechanism:** The ORTHOSYN Femoral Lift System is equipped with an innovative sling mechanism that can be finely adjusted from both distal and proximal directions. This dual-adjustability allows surgeons to customize the positioning of the femur with exceptional accuracy, accommodating a wide range of surgical techniques and preferences. Whether the procedure demands minute adjustments or significant shifts, this system offers the flexibility needed to achieve optimal outcomes.

Precision in Surgical Procedures: The ORTHOSYN Femoral Lift System is designed to deliver the exactitude required for such delicate operations. The system's

precision-engineered components ensure that the femur can be positioned with utmost accuracy, reducing the risk of complications and enhancing the likelihood of a successful surgical result.

- 3. Superior Materials and Engineering:** Constructed from high-quality, medical-grade materials, the ORTHOSYN Femoral Lift System is built to withstand the rigors of demanding surgical environments. The system's robust design ensures long-term durability, while its lightweight construction enhances ease of use without compromising on stability.
- 4. Enhanced Surgical Outcomes:** The ORTHOSYN Femoral Lift System is more than just a surgical tool; it's a solution designed to improve overall surgical outcomes. By providing surgeons with the ability to precisely control femoral positioning, this system contributes to better alignment, reduced operative time, and improved post-operative recovery.



FIXATION SYSTEMS

ORTHOSYN Femoral Lift System Top Model

ORTHOSYN Femoral Lift System from the Top Model

The Adjustable Femoral Lift System - Top Model is engineered to deliver exceptional precision and versatility for orthopedic and arthroscopic procedures. This advanced system is designed to cater to the nuanced demands of femoral positioning, offering a wide range of configurable settings.

Key Features:

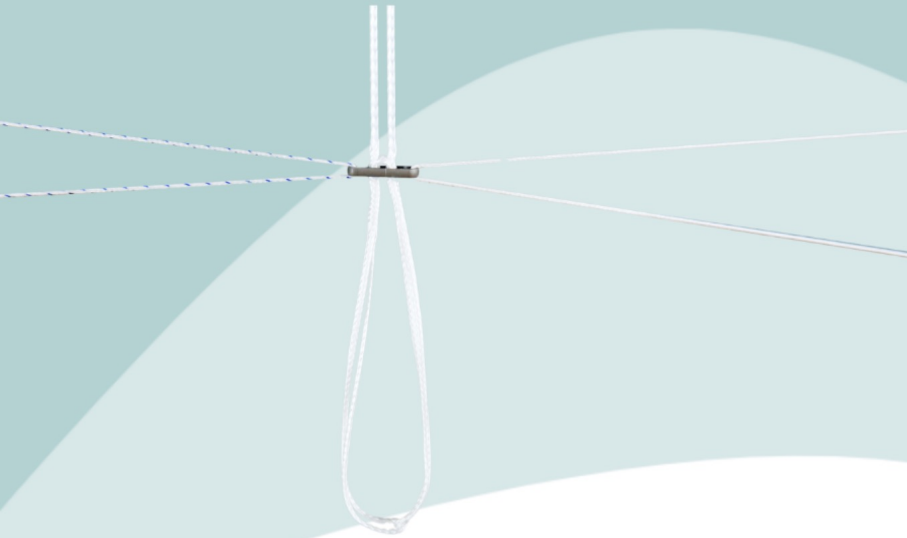
- 1. Dual Adjustment Mechanism:** The system allows for fine-tuned adjustments from both distal and proximal directions. This dual adjustment capability ensures optimal alignment and positioning of the femur, tailored to the surgeon's specific technique and procedural requirements.
- 2. Versatility in Configurations:** The system provides a broad spectrum of configurations, accommodating various surgical needs and enhancing flexibility during complex procedures. This adaptability allows for precise control over the femoral positioning, crucial for successful outcomes.
- 3. Advanced Engineering:** Constructed with cutting-edge engineering, the system incorporates robust materials and

innovative design elements. This ensures not only reliability and durability but also consistent performance throughout surgical procedures.

4. Enhanced Surgical Efficiency: By facilitating accurate femoral positioning, the system contributes to improved surgical efficiency and better patient outcomes. The precise adjustments available with this system streamline the surgical process and support the achievement of optimal results.

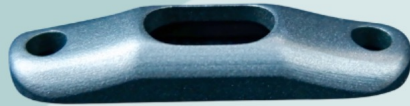
5. Durable Construction: Built with high-quality, durable materials, the system withstands the rigors of repeated use and maintains its integrity over time. This durability translates to long-term reliability and cost-effectiveness.

The Adjustable Femoral Lift System - Top Model is an indispensable tool for orthopedic and arthroscopic surgeons, offering unparalleled flexibility and precision to meet diverse procedural demands. Enhance your surgical capabilities with this state-of-the-art system, designed to optimize femoral alignment and positioning with confidence.



FIXATION SYSTEMS

ORTHOSYN Titanium Buttons Without Loop



Orthosyn Titanium Button (Without Loop)

The Orthosyn Titanium Button is expertly engineered for optimal performance in ACL and PCL reconstruction procedures. Crafted from Ti-6Al-4V ELI Titanium Alloy, it ensures superior strength and biocompatibility. This button is designed to provide reliable fixation and support during the reconstruction of the anterior and posterior cruciate ligaments.

Orthosyn Jumbo Button (Without Loop)

The Orthosyn Jumbo Button is specifically designed for use in revision surgeries and complex reconstructions of the cruciate ligaments. Its oversized design enhances the contact area between the button and the cortical bone, making it ideal for scenarios where an increased contact surface is necessary. This button can be used in conjunction with the Orthosyn Titanium Button to further enlarge the fixation area, providing additional

stability in revision procedures.

Key Features:

- **Material:** Constructed from Ti-6Al-4V ELI Titanium Alloy, known for its exceptional biocompatibility and strength.
- **Functionality:** The Orthosyn Jumbo Button can be fitted over the Titanium Button to increase the contact range and improve cortical fixation during revision surgeries.
- **Design:** The oversized profile of the Jumbo Button ensures an extended contact area between the button and the cortical bone, enhancing fixation stability and effectiveness in challenging surgical scenarios.

Both products are designed to meet the highest standards of performance and reliability, ensuring optimal outcomes in ligament reconstruction and revision surgeries.

FIXATION SYSTEMS

ORTHOSYN U Staples

Orthosyn Titanium U-Staple

The Orthosyn Titanium U-Staple is engineered for the secure fixation of soft tissue to bone, particularly in ACL (Anterior Cruciate Ligament) and PCL (Posterior Cruciate Ligament) reconstruction procedures. It is also a reliable choice for the fixation of both medial and lateral ligaments.

Key Features:

- **Enhanced Load Distribution:** The Orthosyn Titanium U-Staple features a wide staple base that ensures optimal load distribution during insertion, providing stability and reducing the risk of tissue damage.
- **Innovative Channel Design:** The pointed channel design of the Orthosyn Titanium U-Staple is crafted to maintain uninterrupted vascular flow to the underlying tissues. This design helps in preserving the vital blood supply, promoting faster and more effective healing.
- **Tapered Legs for Easy Insertion:** With tapered legs, the Orthosyn Titanium U-Staple is designed for easier insertion into cortical bone. The taper eliminates the need for pre-drilling, thus simplifying the surgical process and minimizing procedural time.

- **Reverse Stepped Side Design:** The unique reverse stepped side design of the Orthosyn Titanium U-Staple prevents it from easily backing out, ensuring a secure and durable fixation in the desired location.
- **Biocompatible Material:** Made from Ti-6Al-4V ELI Titanium Alloy, the Orthosyn Titanium U-Staple is known for its excellent biocompatibility, making it suitable for long-term implantation with minimal risk of adverse reactions.

Dimensions:

- Leg Length - 8mm
- Leg Length - 10mm
- Leg Length - 11mm
- Leg Length - 14mm

The Orthosyn Titanium U-Staple represents a sophisticated solution for soft tissue fixation, combining advanced engineering with high-quality materials to support effective and reliable orthopedic outcomes.



FIXATION SYSTEMS

ORTHOSYN - Endobutton - Femoral Lift System With Button

ORTHOSYN Femoral Lift System With Button - ENDOBUTTON

The Femoral Lift System With Button is a state-of-the-art solution designed to enhance stability and precision in femoral surgeries. Engineered to meet the highest standards, this system is crafted from advanced materials to ensure durability and optimal performance.

Available Sizes: 15 mm, 20 mm, 25 mm, 30 mm, 35 mm, 40 mm, 45 mm, 50 mm, 55 mm, 60 mm

Key Features:

- **Precision Manufacturing:** Constructed using advanced precision measuring techniques from high-quality Ti-6Al-4V titanium and UHMWPE (Ultra-High-Molecular-Weight Polyethylene), providing exceptional strength and biocompatibility.
- **Versatile Sizing Options:** Available in a comprehensive range of sizes, including 15 mm, 20 mm, 25 mm, 30 mm, 35 mm, 40 mm, 45 mm, 50 mm, 55 mm, and 60 mm. This variety ensures a precise fit for different anatomical requirements and

surgical needs.

- **Robust Material Properties:** The use of Ti-6Al-4V titanium offers superior mechanical properties, including high tensile strength and resistance to corrosion. UHMWPE contributes to excellent wear resistance and low friction, enhancing the overall functionality of the system.
- **Enhanced Stability:** The button feature is designed to provide secure fixation and stability during procedures, reducing the risk of displacement and ensuring reliable support throughout the healing process.
- **High Biocompatibility:** Both Ti-6Al-4V titanium and UHMWPE are known for their biocompatibility, making them ideal choices for implants and surgical devices to minimize adverse reactions in the body.

This Femoral Lift System With Button is ideal for orthopedic surgeons seeking a reliable, versatile solution that combines precision engineering with superior material performance. The extensive range of sizes and robust construction make it a versatile choice for a variety of femoral applications.



FIXATION SYSTEMS

ORTHOSYN Femoral Lift System Bottom Pull - Single Suture Model

Femoral Lift System Bottom Pull Adjustable Fixation - Single Suture Model

The Femoral Lift System Bottom Pull Adjustable Fixation - Single Suture Model is engineered to provide superior stability and versatility in femoral surgeries. This innovative system features an adjustable femoral sling that allows for precise customization based on the surgeon's technique and patient-specific needs.

Key Features:

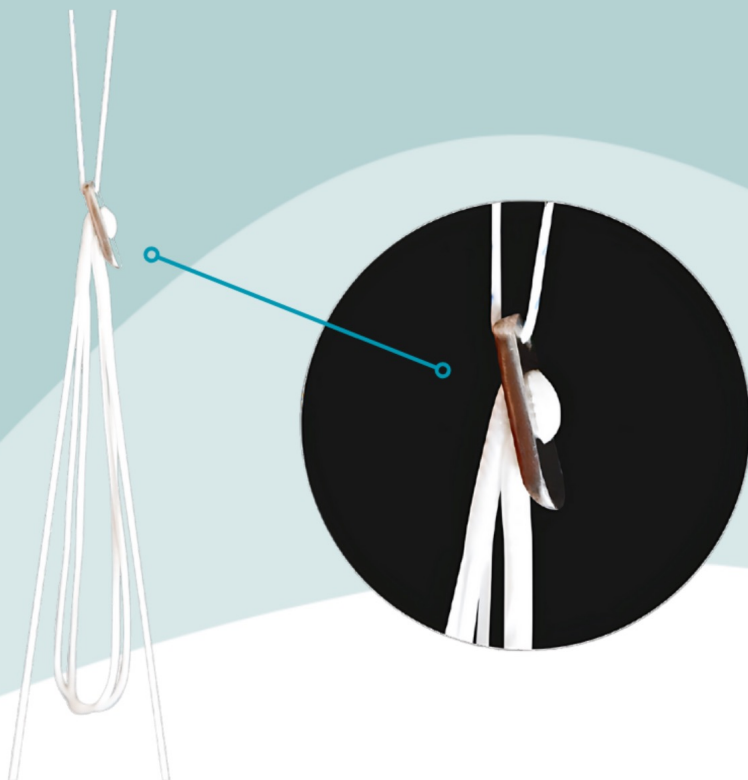
- **Adjustable Design:** The system offers the flexibility to adjust the sling both distally and proximally. This adjustability ensures optimal alignment and secure fixation, accommodating various surgical approaches and anatomical considerations.
- **Single Suture Model:** Designed with a single suture mechanism, this model simplifies the fixation process, enhancing ease of use and reducing operative time.

- **Enhanced Stability:** The bottom pull adjustment mechanism ensures robust and reliable fixation, reducing the risk of displacement and providing stable support throughout the healing process.

- **Versatile Application:** Suitable for a range of femoral procedures, the adjustable nature of the system allows for tailored application, improving surgical outcomes and patient satisfaction.

- **Durable Construction:** Made from high-quality materials, the system is designed to withstand the stresses of surgery and provide long-lasting performance.

This Femoral Lift System is ideal for surgeons seeking a reliable, adjustable solution for femoral fixation that aligns with their surgical technique and enhances patient care.





INTERFERENCE SCREWS

Titanium Interference Screws

The ORTHOSYN Titanium Interference Screw is a precision-engineered, self-tapping screw designed to enhance the speed and efficacy of placement during arthroscopic and sports surgery procedures.

Indications for Use:

The ORTHOSYN Titanium Interference Screw is specifically indicated for:

- Fixation of complete soft tissue grafts, such as quadriceps tendon grafts
- Fixation of bone-tendon-bone (BTB) grafts
- Repair of ACL and PCL tears

Design Features and Benefits:

- **Self-Tapping Design:** The screw's self-tapping capability allows for faster insertion and reduces the need for pre-drilling.
- **Atraumatic Thread Design:** The round-edged, atraumatic thread design minimizes the shearing effect on the tendon.
- **Bullet Core Structure:** The bullet core design enhances the holding force of the screw, ensuring secure fixation even in challenging conditions.
- **Extended Hex Screwdriver Bit:** The extended hex screwdriver bit fits precisely against the screw, improving torque application and reducing the risk of breakage during insertion.

Key Features and Benefits:

- **Efficient Insertion:** Engineered for fast and effective placement, reducing overall surgical time.
- **Strength and Stiffness:** Provides the necessary strength and stiffness for successful ligament reconstruction and graft fixation.
- **Fully Grooved Design:** Optimizes fixation for both soft tissue and BTB grafts, ensuring stable and reliable results.
- **Rounded Atraumatic Groove:** Protects tissue grafts from damage, enhancing the overall success of the grafting procedure.
- **Durability and Biocompatibility:** Made from Ti-6Al-4V ELI titanium alloy, offering superior durability and biocompatibility.
- **Variety of Sizes:** Available in 6 different diameters and 3 different lengths.
- **Special Design for Techniques:** Tailored for knee and ankle ligamentoplasty surgical techniques.

Dimensions:

Lengths: 25 mm / 28 mm / 30 mm

- Ø 7mm
- Ø 8mm
- Ø 9mm
- Ø 10mm
- Ø 11mm
- Ø 12mm

INTERFERENCE SCREWS

ORTHOSYN Peek Interference Screws

ORTHOSYN PEEK Interference Screws

The PEEK Interference Screw is designed to provide superior performance and reliability in arthroscopic and orthopedic procedures.

Here are the key features and benefits of this product:

Features & Benefits:

- **PEEK (Polyetheretherketone) Material - Non-absorbable and MR Safe:** The PEEK material is non-absorbable and safe for magnetic resonance imaging (MRI).
- **Fully-Threaded Design - Optimal Fixation for Both Soft Tissue and BTB Grafts:** The fully-threaded design

provides optimal fixation for both soft tissue and bone-tendon-bone (BTB) grafts.

- **Rounded Edge - Protects Soft Tissue Grafts:** The rounded edges of the screw help protect soft tissue grafts from damage, ensuring they are safeguarded during the procedure.

- SIZE: 7x25 MM, 7x28 MM, 7x30 MM, 8x25 MM, 8x28 MM, 8x30 MM, 9x25 MM, 9x28 MM, 9x30 MM, 10x25 MM, 10x28 MM, 10x30 MM, 11x25 MM, 11x28 MM, 11x30 MM, 12x25 MM, 12x28 MM, 12x30 MM



BIOABSORBABLE PRODUCTS

ORTHOSYN Bioabsorbable Interference Screws Flat Head



ORTHOSYN Bioabsorbable Interference Screws Flat Head are high-performance fixation devices designed specifically for tibial tunnel procedures. These screws offer reliable and effective fixation for both anterior and posterior tendon repairs. Made from PLDLA (70/30 L-Lactide/DL-Lactide) material, they are bioabsorbable, meaning they gradually dissolve within the body, eliminating the need for a secondary removal procedure and supporting the healing process.

Key Features:

- **Material:** Constructed from PLDLA (70/30 L-Lactide/DL-Lactide), providing high biocompatibility and absorbability. The material is absorbed by the body over time, reducing the need for a follow-up procedure.
- **Head Type:** Flat Head design, optimized for tibial tunnel applications, ensuring a flush fit and secure fixation.
- **Sizes Available:** 6-7-8-9-10-11 mm x 25 -28 - 30 mm (length)

Applications:

- **Anterior Tendon Repairs:** Provides secure fixation for repairs of anterior tendon injuries.

- **Posterior Tendon Repairs:** Ensures effective support for posterior tendon injuries.
- **Tibial Tunnel Fixations:** Offers reliable stability within the tibial tunnel.

Product Benefits:

- **Bioabsorbable:** Made from PLDLA material, the screws are absorbed by the body over time.
- **Reliable Fixation:** The flat head design provides maximum stability within the tibial tunnel and supports the healing process.
- **Variety of Sizes:** Available in multiple sizes to accommodate various clinical needs and anatomical structures.

Clinical Performance: The Bioabsorbable Interference Screws Flat Head are manufactured to international standards, providing a safe and effective solution for arthroscopic surgical procedures. Designed to minimize post-operative complications and accelerate recovery, these screws offer excellent performance and reliability.

BIOABSORBABLE PRODUCTS

ORTHOSYN Bioabsorbable Interference Screws Round Head



ORTHOSYN Bioabsorbable Interference Screws with a Round Head are engineered for optimal performance in arthroscopic procedures, particularly for tibial tunnel applications. These screws are essential for the fixation of both anterior and posterior tendon repairs. Constructed from PLDLA (70/30 L-Lactide/DL-Lactide) material, these screws are designed to be fully bioabsorbable, gradually dissolving within the body over time.

Key Features:

- **Material:** Manufactured from PLDLA (70/30 L-Lactide/DL-Lactide), offering high biocompatibility and gradual absorption.
- **Head Design:** The Round Head design is specifically tailored to provide a smooth interface with the graft tunnel.
- **Available Sizes:** 6-7-8-9-10-11 mm (diameter) x 25-28-30 mm (length)

Applications:

Anterior Tendon Repairs: Provides secure and reliable

fixation for anterior tendon injuries.

- **Posterior Tendon Repairs:** Offers consistent stability for posterior tendon injuries.
- **Tibial Tunnel Fixations:** Designed to integrate smoothly within the tibial tunnel, offering dependable fixation and reducing potential complications.

Product Benefits:

- **Bioabsorbable:** Constructed from PLDLA material, the screws gradually dissolve in the body, eliminating the need for a secondary procedure and simplifying the recovery process.
- **Enhanced Stability:** The Round Head design enhances the stability of the fixation while reducing the risk of damage to the graft tunnel compared to other head designs.
- **Flexible Sizing:** Available in various sizes to meet different clinical needs and anatomical requirements.

BIOABSORBABLE PRODUCTS

ORTHOSYN Bioabsorbable Pin PLDLA

ORTHOSYN Bioabsorbable Pin is a specialized medical device designed for the precise and effective repair of small fractures, particularly in the epiphyseal area of bones. This device is especially useful in pediatric surgery, as well as in procedures involving the lower extremities and upper limbs.

Key Features and Benefits:

- **Compliance with 93/42/EC Directive:** ORTHOSYN Bioabsorbable Pin is manufactured in strict accordance with the 93/42/EC directive, ensuring that it meets the highest European standards for medical devices in terms of safety and performance.
- **Rounded Tips and Customizable Lengths:** The pins feature rounded tips to minimize trauma during insertion and are designed to be cut to specific lengths as required by the surgical procedure. This flexibility allows for a tailored approach to each individual patient's needs.
- **Optimized for Epiphyseal Fracture Repair:** Specifically engineered to aid in the long-term healing of minor fractures within the epiphyseal area of the bone, the Bioabsorbable Pin is ideal for use in both pediatric and adult orthopedic surgeries involving the lower and upper extremities

Bioabsorbable Material with Controlled

Degradation: Made from PLDLA (Poly L/DL-lactide), the Bioabsorbable Pin offers excellent biocompatibility. As the pin slowly degrades, it is absorbed by the body and replaced by natural bone, eliminating the need for a secondary surgery to remove the hardware

- **Long-Term Stabilization:** The pin stabilizes fractures for 8-10 months post-surgery, providing the necessary support during the crucial healing period. After this time, the controlled degradation process allows for the gradual resorption of the material, ensuring that the bone can continue to heal naturally. Within approximately 24 months, the pin is completely resorbed, leaving behind healthy, fully formed bone tissue.
- **Available Sizes:** The pins are available in two standard sizes to accommodate a variety of surgical needs:
 - **Pin Diameter:** 1.5 mm & **Pin Length:** 50 mm
 - **Pin Diameter:** 2.0 mm & **Pin Length:** 50 mm
- **Indications for Use:** The Bioabsorbable Pin is indicated for the maintenance of alignment and fixation of bone fractures, osteotomies, arthrodeses, or bone grafts in combination with appropriate additional immobilization. This makes the pin an excellent choice for orthopedic procedures requiring secure and reliable bone fixation.



ANCHORS

ORTHOSYN Bioabsorbable Suture Anchors Screw

ORTHOSYN Bioabsorbable Suture Anchor

Product Description:

The ORTHOSYN Bioabsorbable Suture Anchor is an advanced, biodegradable and fully threaded anchor specifically designed for rotator cuff repair. Constructed from PLDLA (Poly-L-Dlactic Acid), this suture anchor offers reliable performance with a high pullout strength due to its cortical and cancellous thread design.

This bioabsorbable suture anchor is equipped with double UHMWPE (Ultra High Molecular Weight Polyethylene) sutures, providing enhanced stability and secure fixation during the healing process. The biodegradable material ensures gradual absorption over time, eliminating the need for removal surgery and promoting natural tissue integration.

Key Features and Benefits:

- **Biodegradable Material:** Made from PLDLA, which is gradually absorbed by the body, reducing the need for a second surgery for anchor removal.
- **Fully Threaded Design:** Provides superior grip and pullout strength, enhancing the stability of the repair.

- **Cortical and Cancellous Thread Design:** Optimized for secure fixation in both cortical and cancellous bone, ensuring effective anchoring in various bone types.
- **Double UHMWPE Sutures:** The inclusion of double UHMWPE sutures offers additional support and durability, ensuring reliable fixation of the rotator cuff.
- **Enhanced Stability:** The anchor's design provides a secure hold and stability, facilitating optimal healing and integration of the tissue.

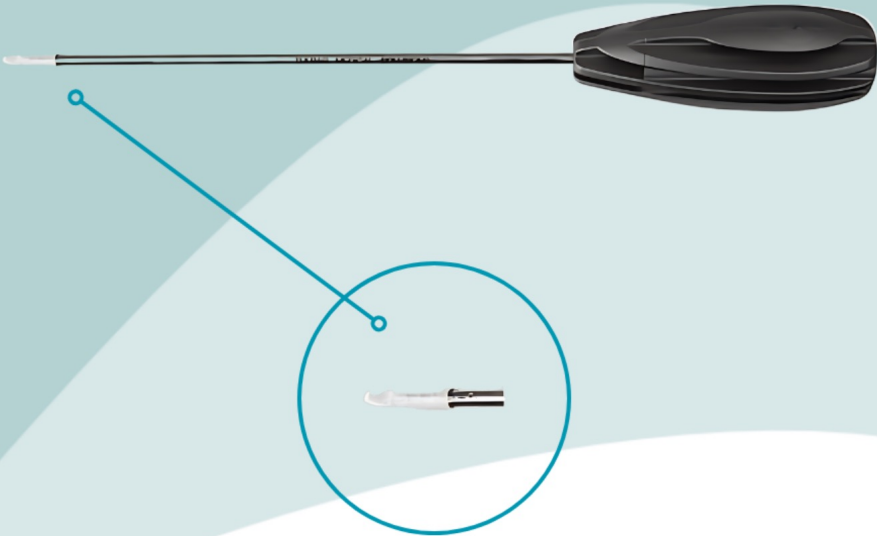
Indications for Use:

The ORTHOSYN Bioabsorbable Suture Anchor is indicated for use in:

- Rotator cuff repair
- Repair of other soft tissue-to-bone attachments

Size:

- Ø 5.5mm USP 2
- Ø 6.5mm USP 2



BIOABSORBABLE PRODUCTS

ORTHOSYN Bioabsorbable Jagged Pin PLDLA

ORTHOSYN Bioabsorbable Jagged Pin is a cutting-edge orthopedic solution meticulously designed to meet the complex demands of bone fracture repair.

Key Features and Benefits:

- **Compliance with 93/42/EC Directive:** ORTHOSYN Bioabsorbable Jagged Pins are manufactured according to the rigorous standards of the 93/42/EC directive, ensuring that they meet essential safety, health, and environmental protection requirements for medical devices.
- **Jagged Design for Maximum Bone Grip:** The innovative jagged design of these pins provides superior grip on the bone, enhancing stability and minimizing the risk of migration during the healing process. This feature is particularly beneficial in the fixation of challenging fracture sites.
- **Rounded Tips and Customizable Lengths:** Each pin is designed with rounded tips to minimize trauma during insertion. Additionally, the pins can be cut to specific lengths during surgery, providing surgeons with the flexibility to tailor the implant to the precise needs of the patient.
- **Bioabsorbable Material with Controlled Degradation:** Made from Poly (70% L-lactide/30% DL-lactide), these pins offer excellent biocompatibility. The material gradually degrades over time, aligning with the body's healing process to support the regeneration of bone tissue. Pins providing stabilization for 8 to 10 months post-surgery. Over approximately 24 months, the pins are entirely absorbed, leaving behind healthy, fully-formed bone tissue without the need for additional surgical removal.

Excellent Biocompatibility: The breakdown products of

PLDLA, CO₂, and H₂O, are natural components that the body can easily absorb and eliminate, ensuring a safe and effective healing process.

Indications for Use:

ORTHOSYN Bioabsorbable Jagged Pin is available in two sizes;

2 mm Bio Jagged Pin Indications:

Apical Fragments: Ideal for fixing small, delicate fractures such as those of the radial head, the patella rim, and the proximal and distal ends of the metatarsal and metacarpal bones.

Osteochondral Fractures or Dissections: Suited for treating osteochondral fractures such as those of the ankle-bone dome or femoral condyle, as well as fractures involving cancellous bone fragments or areas subject to low mechanical stress. This size is also effective for layered reconstruction of fractures in the heel or acetabulum, and for corticocancellous grafting of bone chips.

2.7 mm Bio Jagged Pin Indications:

Large Osteochondral Fragments: This size is appropriate for fixing larger osteochondral fragments, including fractures of the femur head (such as Pipkin fractures), malleolus fractures (Weber A fractures), and radius fractures. It is also well-suited for addressing longitudinal fractures of the patella, where robust fixation is required.

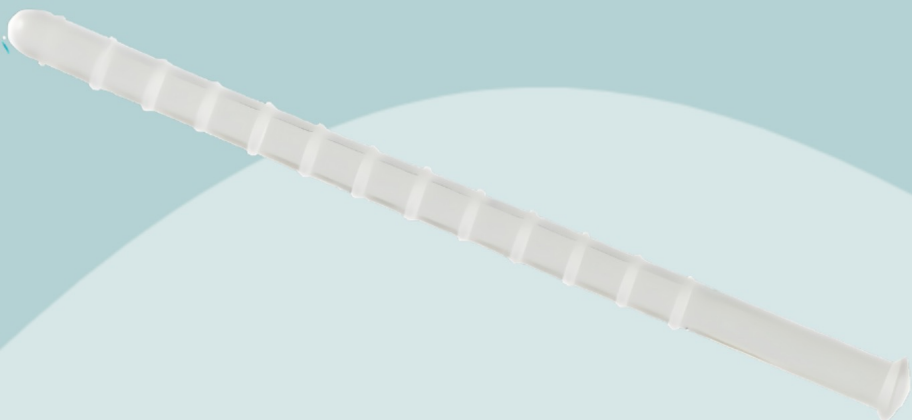
Product Dimensions:

• 2 mm Bio Jagged Pin:

- Diameter: 2 mm
- Length: 40 mm

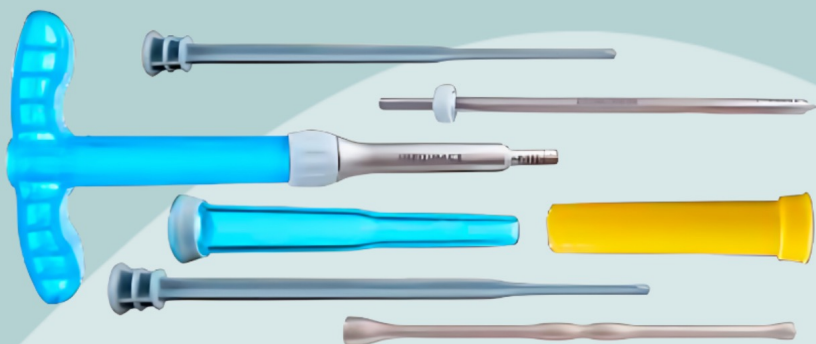
• 2.7 mm Bio Jagged Pin:

- Diameter: 2.7 mm
- Length: 50 mm



INSTRUMENTS & SETS

ORTHOSYN Mosaicplasty Kit



The ORTHOSYN **Mosaicplasty Kit** is a state-of-the-art surgical system specifically engineered to address full-thickness femoral articular cartilage lesions through autograft or allograft transplantation. This comprehensive kit is designed with precision and ease of use in mind, offering a fully disposable, sterile-packed solution that ensures optimal sterility and safety for single-patient use.

ORTHOSYN Precision Targeting System:

At the heart of the **Mosaicplasty Kit** is the **ORTHOSYN Precision Targeting System**, which allows surgeons to perform cartilage transplantation with exceptional accuracy. Whether the procedure is conducted arthroscopically or through an open approach, the ORTHOSYN system is designed to facilitate access to both the defect site and the donor site, even in challenging surgical scenarios. This flexibility makes it an invaluable tool in the surgical treatment of cartilage lesions.

Ideal Patient Profile:

The ideal candidate for a procedure using the **Mosaicplasty Kit** is typically a patient who has sustained a focal traumatic lesion measuring between 1 cm and 2.5 cm in diameter, located in the weight-bearing regions of the femoral condyle. The precision targeting capabilities of the ORTHOSYN system are particularly beneficial in such cases, allowing for the precise placement of grafts to restore the integrity of the cartilage and improve joint function.

Versatile Size Options:

The kit includes 6 mm, 8 mm, and 10 mm diameter options, allowing for tailored treatment approaches depending on the

size and location of the lesion. Additionally, the system offers variability in graft plug depth, ensuring that the grafts can be positioned with optimal alignment and stability within the defect site.

Application in Arthroscopic and Open Procedures:

The system's design also allows for smooth integration into existing surgical workflows, minimizing disruptions and ensuring efficient operation.

Single-Use, Sterile-Packed System:

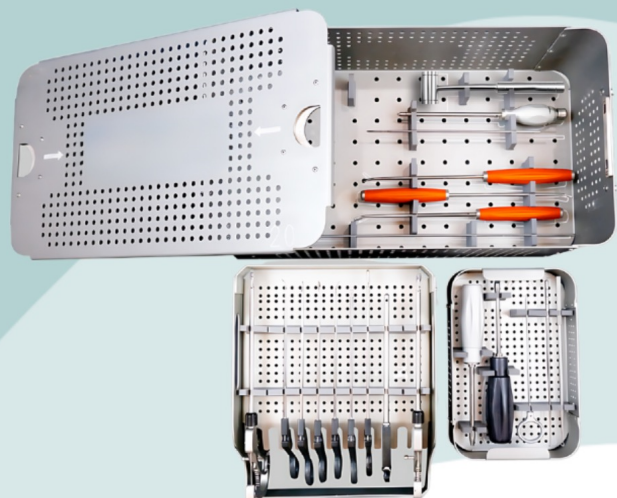
To maintain the highest standards of patient safety and sterility, the **Mosaicplasty Kit** is entirely single-use and comes in a sterile-packed format. This eliminates the risk of cross-contamination and ensures that each patient receives a fresh, uncontaminated set of instruments. The disposable nature of the kit also simplifies the post-operative process, as there is no need for sterilization or reprocessing.

Clinical Benefits:

- **Precision Targeting:** Enables accurate placement of grafts for optimal cartilage restoration.
- **Versatile Use:** Suitable for both arthroscopic and open procedures, accommodating various surgical preferences and challenges.
- **Multiple Size Options:** Provides 6 mm, 8 mm, and 10 mm diameter graft plugs with adjustable depth for customized treatment.
- **Single-Use Design:** Ensures sterility and reduces the risk of infection or cross-contamination.

INSTRUMENTS & SETS

ORTHOSYN Shoulder Arthroscopy Set



ORTHOSYN SHOULDER ARTHROSCOPY SET

- 1- SUTURE CUTTER
- 2- CANULLA OBTURATOR DRIVER
- 3- KNOT PUSHER
- 4- CROCHET HOOK
- 5- SWITCHING STICK
- 6- ARTHROSCOPIC ELEVATOR
- 7- ARTHROSCOPIC RASP

8- DRILL GUIDE - AWL - DRILL

9- SUTURE SHUTTLE RIGHT-LEFT UP

10- SUTURE GRASPER

11- ARTHROSCOPIC RASPA

You can bid individually or as a set. If there is anything you would like to remove or add from the entire set, please feel free to contact us.

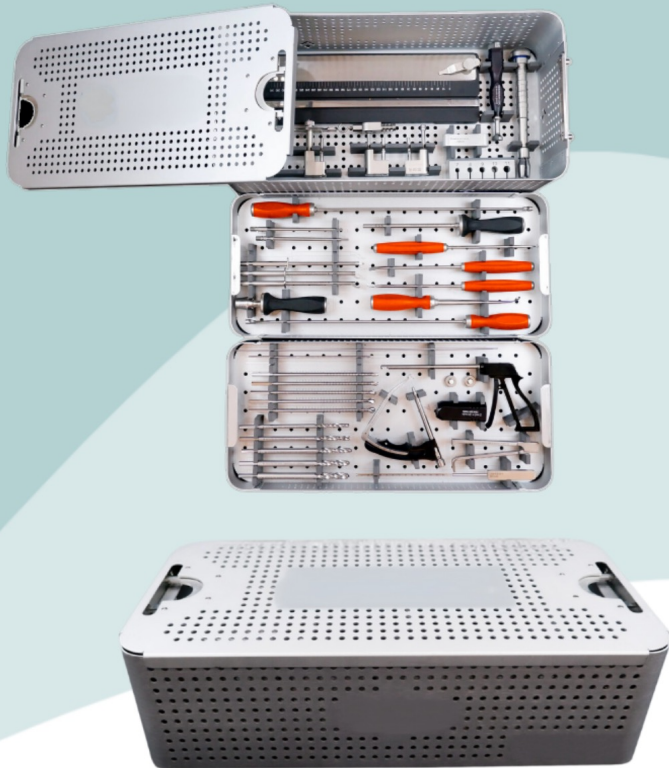
INSTRUMENTS & SETS

ORTHOSYN Knee Arthroscopy Set

ALL SET

- 1- Passing Pin Handle
- 2- Graft Removal
- 3- Stapler Impactor Loc.
- 4- Stapler Impactor non-Loc.
- 5- Tendon Stripper Closed 6.0 MM - 6.5 MM
- 6- Crochet Hook
- 7- Cannulated Screw Driver 8.0 MM - 9.0 MM - 10.0 MM - 11.0 MM
- 8- Curette
- 9- Arthroscopic Raspa
- 10- Arthroscopic Elevator
- 11- Arthroscopic Elevator Oval
- 12- Tibial Guide - Handle Elbow Passing Pin
- 13- Femoral Aimer 5.0 MM
- 14- Femoral Aimer 6.0 MM
- 15- Femoral Aimer 7.0 MM
- 16- Femoral Reamer 7.0 MM
- 17- Femoral Reamer 8.0 MM
- 18- Femoral Reamer 9.0 MM
- 19- Femoral Reamer 11.0 MM
- 20- Tibial Reamer 7.0 MM
- 21- Tibial Reamer 8.0 MM
- 22- Tibial Reamer 9.0 MM
- 23- Tibial Reamer 10.0 MM
- 24- Tibial Reamer 11.0 MM

You can bid individually or as a set. If there is anything you would like to remove or add from the entire set, please feel free to contact us.



AUXILIARY PRODUCTS

ORTHOSYN Disposable Canulla Set

The **ORTHOSYN Disposable Canulla Set** is a medical device designed to maximize efficiency and safety during surgical procedures. This single-use canulla set features color coding by diameter, flow control with sealings, and transparent canullas for easy monitoring of instrumentation. These features allow surgeons to control devices and fluid flow seamlessly during operations.

Color Coding and Diameter Options:

The canullas are color-coded according to their diameters, enabling quick and accurate identification in the surgical environment. This color coding assists the surgeon in swiftly selecting the most appropriate canulla for a specific procedure, reducing operation time and easing the workload on the surgical team.

- **Canulla Diameter:** 6.5 mm – **Fluid Port Diameter:** 0.6 mm
- **Canulla Diameter:** 8 mm – **Fluid Port Diameter:** 0.6 mm

Enhanced Monitoring with Transparent Canullas:

The **Disposable Canulla Set** includes transparent canullas to facilitate the monitoring of instrumentation within the surgical field. This transparency allows surgeons to clearly observe fluid flow and device movements within the canulla during the procedure, enhancing safety and efficiency.

Flow Control with Sealing and Adjustable Fluid Port:

The canullas in this set are equipped with sealing elements designed for optimal flow control, preventing fluid leakage during surgery. Additionally, the 0.6 mm adjustable fluid port is optimized for luer connection, making fluid management during surgical interventions more convenient. This feature allows surgeons to precisely adjust fluid flow to meet their specific needs.

Single-Use and Reliability:

The set's single-use design minimizes the risk of infection and ensures a sterile working environment for each patient. Being disposable, it helps prevent cross-contamination in the surgical setting, maximizing patient safety.



AUXILIARY PRODUCTS

ORTHOSYN Passing Pin 2.4 MM Drill Tip

The ORTHOSYN **Passing Pin** is meticulously engineered to ensure the creation of tibial and femoral tunnels with unparalleled precision during orthopedic surgical procedures, particularly in ligament reconstruction surgeries such as ACL (Anterior Cruciate Ligament) and PCL (Posterior Cruciate Ligament) repairs. This specialized surgical instrument is designed to achieve the most accurate tunnel angle, which is crucial for optimal graft placement and overall surgical success.

The **Passing Pin** plays a vital role not only in the formation of these tunnels but also in the smooth and secure transfer of implants, making it an indispensable tool in the surgical toolkit.

Key Features and Benefits:

Precision Engineering: The **Passing Pin** is designed to create tibial and femoral tunnels at the most accurate angles, ensuring the precise placement of grafts and other implants, which is critical for successful ligament reconstructions and other related procedures.

Versatile Tip Designs: The **Passing Pin** comes in two tip designs to cater to various surgical needs:

- **Trocar Tip:** The sharp, pointed design allows for easy penetration and accurate tunnel creation.
- **Drill Tip:** This design is tailored for drilling through bone with minimal resistance, ensuring smooth tunnel formation.

Enhanced Surgical Outcomes: By ensuring the correct tunnel angles and facilitating easy implant transfer, the **Passing Pin** helps reduce the risk of complications and improves the overall success rate of surgeries. Proper tunnel creation is essential for the stability and longevity of the reconstructed ligament or other surgical repairs.

Robust and Reliable Construction: Made from high-quality surgical-grade materials, the **Passing Pin** is designed for durability and consistent performance, even in the most demanding surgical environments. Its robust construction ensures it can withstand the stresses of surgical use without compromising precision.

Compatibility: The **Passing Pin** is compatible with a wide range of surgical instruments and implants, making it a versatile addition to any surgical set. Whether used in minimally invasive arthroscopic procedures or more traditional open surgeries, it integrates seamlessly into the surgical process.

Ease of Use: The ergonomic design of the **Passing Pin** ensures ease of handling, allowing surgeons to focus on the precision of their work without being encumbered by their tools. The simplicity of its design also makes it easy to use, reducing the learning curve for new surgical staff.

Applications:

ACL and PCL Reconstruction: The **Passing Pin** is ideal for creating tunnels in the femur and tibia during ACL and PCL reconstruction surgeries, where precision and accuracy are paramount.

- **Ligament Repair and Reconstruction:** Beyond ACL and PCL repairs, the **Passing Pin** is suitable for a variety of ligament repair and reconstruction procedures, offering versatility in its application.
- **Orthopedic Surgery:** The **Passing Pin** can be utilized in other orthopedic procedures where accurate tunnel formation and implant transfer are required.



AUXILIARY PRODUCTS

ORTHOSYN Passing Pin Trocar (Trochar) Tip

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AUXILIARY PRODUCTS

ORTHOSYN Microfracture Fixation System

The **ORTHOSYN Microfracture Fixation System** is an advanced surgical tool engineered to facilitate precise and reliable fixation in orthopedic procedures. This system is designed with cutting-edge materials and ergonomic features to ensure optimal performance and ease of use during complex surgeries.

Key Features and Benefits:

1. Super Elastic Nitinol Construction:

- The system is crafted from super elastic nitinol, a material renowned for its exceptional flexibility and durability. Nitinol's unique properties allow the system to adapt to the body's contours, providing secure fixation while minimizing the risk of damage to surrounding tissues.
- Nitinol's biocompatibility ensures that the fixation system integrates seamlessly with the body, reducing the likelihood of adverse reactions and promoting faster healing.

1. Precision Fixation with a 1 cm Diameter and 10 mm Depth:

- The **ORTHOSYN Microfracture Fixation System** is meticulously designed to create fixation points with a 1 cm diameter and 10 mm depth, offering precise control and consistency during procedures. This dimension is ideal for a wide range of orthopedic applications, including microfracture surgeries, where accurate fixation is crucial for successful outcomes.

1. Ergonomic Handle Design for Versatile Use:

The system features an ergonomic handle that is designed for comfortable and efficient use, even during prolonged procedures. The handle is available at different angles, allowing surgeons to

maintain optimal hand positioning and control, regardless of the surgical approach.

- The adjustable angles of the handle ensure that the system can be easily maneuvered in tight or challenging surgical spaces, providing surgeons with the flexibility needed to achieve the best possible fixation.

1. Enhanced Surgical Outcomes:

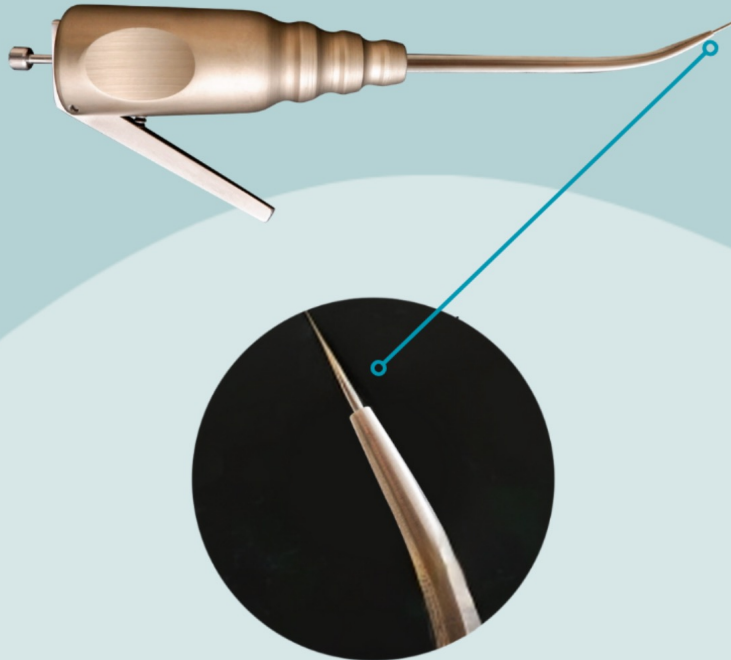
- The combination of nitinol's super elasticity and the system's precision design contributes to improved surgical outcomes by ensuring stable fixation and reducing the risk of complications. The **ORTHOSYN Microfracture Fixation System** is particularly effective in surgeries where minimal invasiveness and high precision are required, such as in the treatment of small fractures or the fixation of delicate bone structures.

1. Versatile Application in Orthopedic Procedures:

- The system is suitable for a wide range of orthopedic procedures, including microfracture surgery, fixation of small bone fragments, and other delicate orthopedic interventions. Its design makes it an invaluable tool for both open and minimally invasive surgeries.

1. Reliable and Durable Performance:

- Built to withstand the rigors of repeated use, the **Microfracture Fixation System** offers reliable performance throughout the surgical procedure. The durable construction of the system ensures that it maintains its integrity and effectiveness, even under the most demanding conditions.



AUXILIARY PRODUCTS

Monopolar Ablators Radio Frequency Device 30 45 60 90 Degree

The **Monopolar Ablators RF Probe** is a state-of-the-art surgical instrument specifically designed for precision soft tissue ablation and hemostasis in arthroscopic procedures. Engineered to meet the exacting standards of modern orthopedic surgery, this RF (Radiofrequency) probe delivers unparalleled performance through its high-flow extractor lumen.

Crafted with versatility in mind, the **ORTHOSYN Monopolar Ablators RF Probe** is ideal for a wide range of arthroscopic applications, including procedures on the shoulder, knee, and small joints.

Key Features and Benefits:

- **High Flow Extractor Lumen:** The integrated high-flow extractor lumen is designed to work in tandem with the electrode, ensuring effective removal of ablated tissue while simultaneously providing precise hemostasis. This feature minimizes bleeding and enhances visibility during surgery.
- **Versatile Angular Configurations:** Available in 30, 45, 70, and 90 degree angles, the **Monopolar Ablators RF Probe** offers exceptional adaptability for different surgical scenarios.
- **Optimal Shaft Design:** The probe features a slender 3mm shaft, enabling easy access to tight spaces while maintaining the durability needed for rigorous surgical use. The 135 mm shaft length is optimized for reaching deep into joint spaces without compromising on maneuverability.
- **Superior Coagulation Capability:** The wide scope of the RF probe allows for effective coagulation across a range of arthroscopic procedures. The monopolar design is particularly well-suited for controlling bleeding and sealing tissue.

Precision and Efficiency in Soft Tissue

Ablation: Designed to deliver precise RF energy, the **Monopolar Ablators RF Probe** ensures that only targeted soft tissue is ablated, minimizing collateral

damage to surrounding structures. This precision leads to faster recovery times and better overall patient outcomes.

Indications for Use:

The **Monopolar Ablators RF Probe** is indicated for use in a variety of arthroscopic procedures, particularly those involving:

- **Shoulder Arthroscopy:** Effective for rotator cuff repair, labral debridement, and other shoulder joint procedures requiring precise soft tissue management and hemostasis.
- **Knee Arthroscopy:** Ideal for meniscal repair, synovectomy, and the treatment of ligament injuries, where controlled tissue ablation and coagulation are crucial.
- **Small Joint Arthroscopy:** Suitable for procedures involving the wrist, ankle, and other small joints, where precision and delicate handling of soft tissue are paramount.

Product Dimensions:

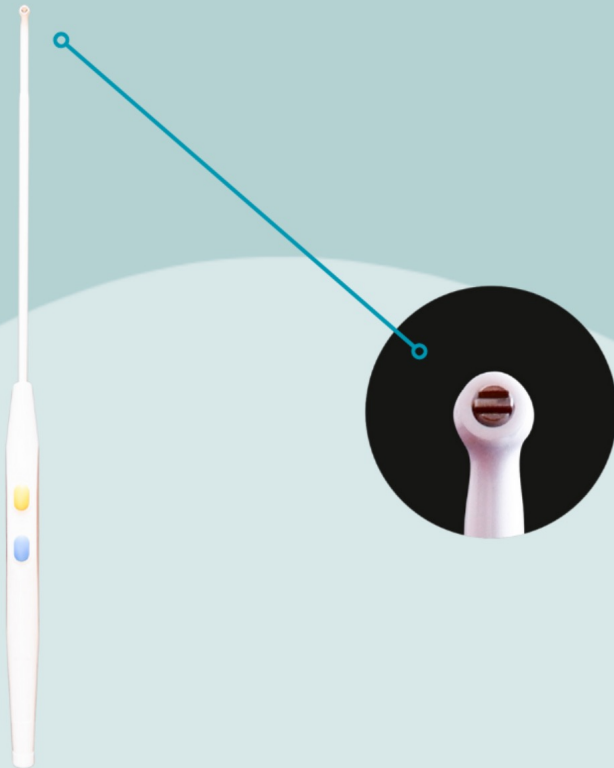
- **Shaft Diameter:** 3mm
- **Shaft Length:** 135mm

Material and Construction:

The **Monopolar Ablators RF Probe** is constructed from high-quality medical-grade materials (ceramic) that ensure durability, biocompatibility, and consistent performance throughout its usage. The shaft is designed to resist bending and breakage, even under the challenging conditions of arthroscopic surgery, while the electrode is engineered to deliver reliable RF energy with minimal impedance.

Environmental and Biocompatibility Considerations:

Constructed with environmentally conscious materials, the **Monopolar Ablators RF Probe** adheres to the highest standards of biocompatibility and safety. It is designed for single-use applications, ensuring sterility and reducing the risk of cross-contamination, which is critical in maintaining the highest standards of patient care.



AUXILIARY PRODUCTS

ORTHOSYN Suture Passer Nitinol

The **ORTHOSYN Suture Passer Nitinol Needle** is a cutting-edge surgical instrument meticulously designed to deliver exceptional performance in suturing procedures. Made from super elastic nitinol, this needle stands out for its unparalleled flexibility, durability, and precision, making it an indispensable tool for surgeons engaged in various soft tissue repair and fixation procedures.

Key Features and Benefits:

• Super Elastic Nitinol Construction:

- Constructed from super elastic nitinol, this needle is renowned for its exceptional flexibility and strength. Nitinol's unique characteristics enable the needle to bend and conform to the contours of the tissue, offering surgeons enhanced control and maneuverability during suturing.

• Minimal Tissue Defect:

- The ORTHOSYN Suture Passer Nitinol Needle is crafted to create minimal tissue defects, which is critical in delicate surgical procedures. Its fine, sharp point allows for precise penetration, minimizing trauma to surrounding tissues.

• Variety of Diameter and Length Options:

- To meet diverse surgical needs, the Suture Passer Nitinol Needle is available in a range of diameters and lengths. This variety ensures compatibility with different devices and surgical techniques, giving surgeons the flexibility to select the most appropriate needle for their specific procedures.
- The availability of different sizes makes this needle versatile enough for various applications, from delicate microsurgery to more substantial soft tissue repairs.

Versatile Use in Multiple Procedures:

The Suture Passer Nitinol Needle is highly versatile, suitable for a broad spectrum of surgical procedures, including but not limited to arthroscopic surgeries, ligament repairs, tendon repairs, and

other soft tissue fixation techniques.

- The needle's super elastic properties make it particularly effective in procedures requiring precise control and flexibility, such as navigating tight spaces or working around delicate structures.

• Enhanced Surgical Precision:

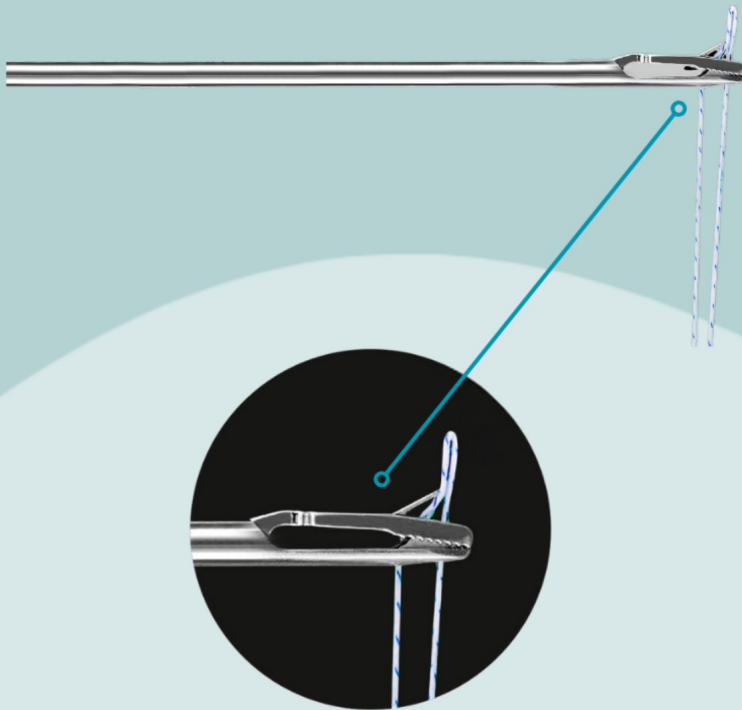
- The ORTHOSYN Suture Passer Nitinol Needle enhances surgical precision by providing surgeons with a dependable, responsive tool that adapts to the demands of the procedure. Its flexibility and strength allow for accurate suture placement, ensuring optimal outcomes in tissue repair.
- The needle's design reduces the chances of suture slippage or misalignment, which is crucial for achieving successful surgical results.

• Durability and Long-Lasting Performance:

- Nitinol is celebrated for its durability, making the Suture Passer Nitinol Needle a long-lasting instrument that withstands repeated use. Its resistance to deformation and breakage ensures the needle maintains its integrity throughout the procedure.
- The needle's robust construction minimizes the need for frequent replacements, offering cost-effective performance over time.

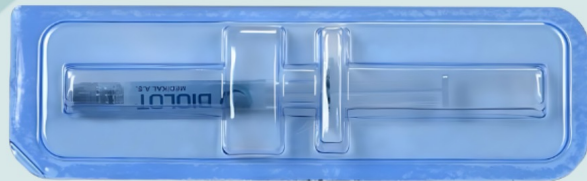
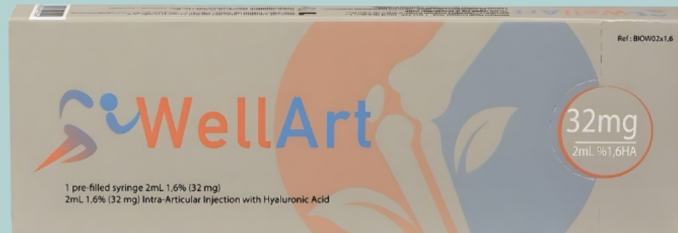
• Compatibility with Various Devices:

- The Suture Passer Nitinol Needle is engineered to be compatible with a wide range of surgical devices and suture passer systems. This compatibility ensures seamless integration into existing surgical setups, allowing for easy adaptation and use across different procedures.
- The needle's versatility in device compatibility further enhances its utility in the operating room, providing surgeons with a reliable tool that meets the demands of modern surgical practices.



INJECTIONS

WELLART Hyaluronic Acid (%1,6) Syringe 32 mg



What is Hyaluronic Acid?

Hyaluronic acid is named after the Greek word “Hyalos”. This word means glass, and it is named because it is shiny and transparent. Hyaluronic acid is the main component of synovial fluid. It is naturally found in our bodies. It is a high molecular weight glycosaminoglycan produced by synoviocytes, chondrocytes, and fibroblasts.

It is responsible for nourishing joints and bones and providing lubrication. A healthy knee contains 2.5-4 mg/ml hyaluronic acid. In knee arthritis, the amount of hyaluronic acid decreases by 50% due to decreased production and increased destruction. When taken orally, its absorption is low. Therefore, it is preferred to be administered by injection into the joint.

How Does Hyaluronic Acid Injection Work?

The exact mechanism of action is not clear. It is thought that it may have many effects such as reducing friction, improving elasticity and shock absorption in the knee joint, increasing the flexibility of the cartilage, increasing the lubrication of the joint surfaces that have been damaged by the decrease in joint fluid, creating a protective barrier on the synovial membrane and joint surface, and reducing the inflammatory response in the joint.

It is also reported to suppress pain perception and reduce tissue destruction. The half-life of externally injected hyaluronic acid is 2-8 days.

However, clinical improvement is observed for 6 months to 1 year after the injection. This is thought to be related to the increase in hyaluronic acid synthesis in the body when given externally.

Does the Molecular Weight of Hyaluronic Acid Matter?

There are low and high molecular weight preparations. There is conflicting information on this subject. It has been reported that the molecular weight should be at least 500,000 Daltons.

In Which Diseases Is Hyaluronic Acid Injection Beneficial?

- Knee arthritis
- Hip arthritis
- Temporomandibular joint (Jaw joint) injection
- Shoulder/Ankle arthritis

How to Decide Which of the Available Injection Treatments to Choose?

The treatment plan is made by evaluating the patient's age, clinical findings, x-ray findings, treatment expectations, and previous treatments.

How Long Does The Effectiveness Last After This Injection Is Given?

An effectiveness ranging from six months to 1 year is reported.

What are the Side Effects of Hyaluronic Acid Injection?

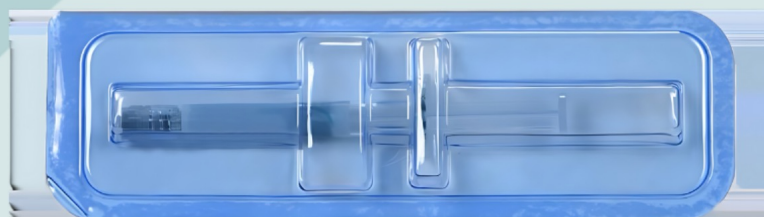
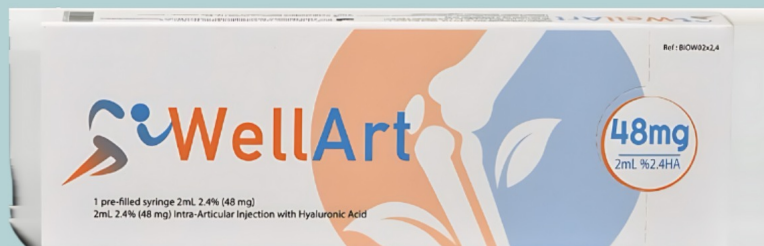
This injection is very safe. Side effects are very rare and temporary. There is no known drug interaction. However, there may be redness, warmth, swelling, tenderness and pain at the injection site.

Can Hyaluronic Acid Be Combined With PRP?

Yes, studies have shown that when these two injections are combined, the effectiveness is better than when injected alone. However, the cost also increases. At the same time, a greater volume is given during injection into the joint.

INJECTIONS

WELLART Hyaluronic Acid (%2.4) Syringe 48 mg



What is Hyaluronic Acid?

Hyaluronic acid is named after the Greek word “**Hyalos**”. This word means glass, and it is named because it is shiny and transparent. Hyaluronic acid is the main component of synovial fluid. It is naturally found in our bodies. It is a high molecular weight glycosaminoglycan produced by synoviocytes, chondrocytes, and fibroblasts.

It is responsible for nourishing joints and bones and providing lubrication. A healthy knee contains 2.5-4 mg/ml hyaluronic acid. In knee arthritis, the amount of hyaluronic acid decreases by 50% due to decreased production and increased destruction. When taken orally, its absorption is low. Therefore, it is preferred to be administered by injection into the joint.

How Does Hyaluronic Acid Injection Work?

The exact mechanism of action is not clear. It is thought that it may have many effects such as reducing friction, improving elasticity and shock absorption in the knee joint, increasing the flexibility of the cartilage, increasing the lubrication of the joint surfaces that have been damaged by the decrease in joint fluid, creating a protective barrier on the synovial membrane and joint surface, and reducing the inflammatory response in the joint.

It is also reported to suppress pain perception and reduce tissue destruction. The half-life of externally injected hyaluronic acid is 2-8 days.

However, clinical improvement is observed for 6 months to 1 year after the injection. This is thought to be related to the increase in hyaluronic acid synthesis in the body when given externally.

Does the Molecular Weight of Hyaluronic Acid Matter?

There are low and high molecular weight preparations. There is conflicting information on this subject. It has been reported that the molecular weight should be at least 500,000 Daltons.

In Which Diseases Is Hyaluronic Acid Injection Beneficial?

- Knee arthritis
- Hip arthritis
- Temporomandibular joint (Jaw joint) injection
- Shoulder/Ankle arthritis

How to Decide Which of the Available Injection Treatments to Choose?

The treatment plan is made by evaluating the patient's age, clinical findings, x-ray findings, treatment expectations, and previous treatments.

How Long Does The Effectiveness Last After This Injection Is Given?

An effectiveness ranging from six months to 1 year is reported.

What are the Side Effects of Hyaluronic Acid Injection?

This injection is very safe. Side effects are very rare and temporary. There is no known drug interaction. However, there may be redness, warmth, swelling, tenderness and pain at the injection site.

Can Hyaluronic Acid Be Combined With PRP?

Yes, studies have shown that when these two injections are combined, the effectiveness is better than when injected alone. However, the cost also increases. At the same time, a greater volume is given during injection into the joint.

INJECTIONS

WELLART Intra Articular Injection With Cross Linked Hyaluronic Acid



Some patients may experience temporary discomfort, such as mild pain or pressure, for 2-3 days following an intra-articular injection. However, this cross-linked hyaluronic acid formula helps minimize such complaints while remaining in the joint for an extended period, offering enhanced therapeutic benefits. Wellart is a highly viscous and elastic solution that adapts to the movement of the joint, concentrating on the affected area. This

allows patients to experience a smoother recovery process and enjoy prolonged relief and treatment.

MODELS OPTIONS

- 3ml %2 (72mg Cross-linked hyaluronic acid)
- 3ml %2 (90mg Cross-linked hyaluronic acid)