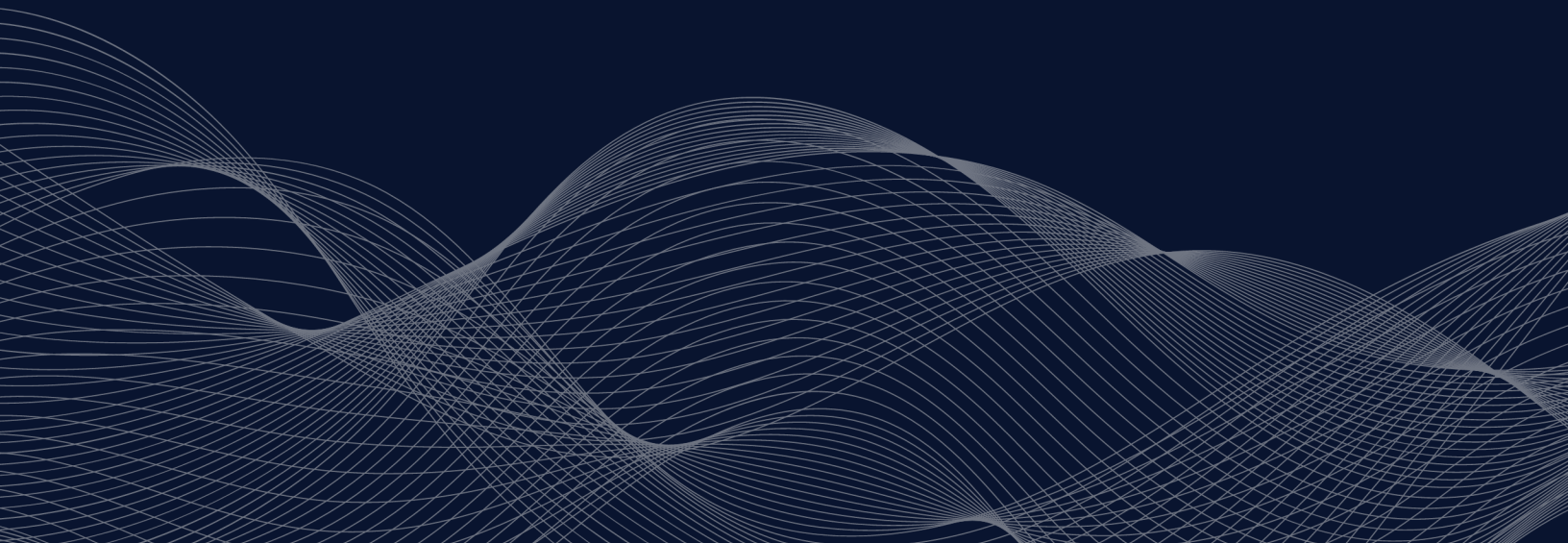




SUTURETECH

WHERE INNOVATION MEETS
ORTHOPEDIC EXCELLENCE

RAPIDFIX™ PRODUCT BROCHURE



About SutureTech®

SutureTech is a medical device company focused on advancing soft tissue and tendon repair. Based in Durham, North Carolina, SutureTech develops internal fixation implants and surgical instruments designed to support efficient, reliable procedures across a range of orthopedic applications.

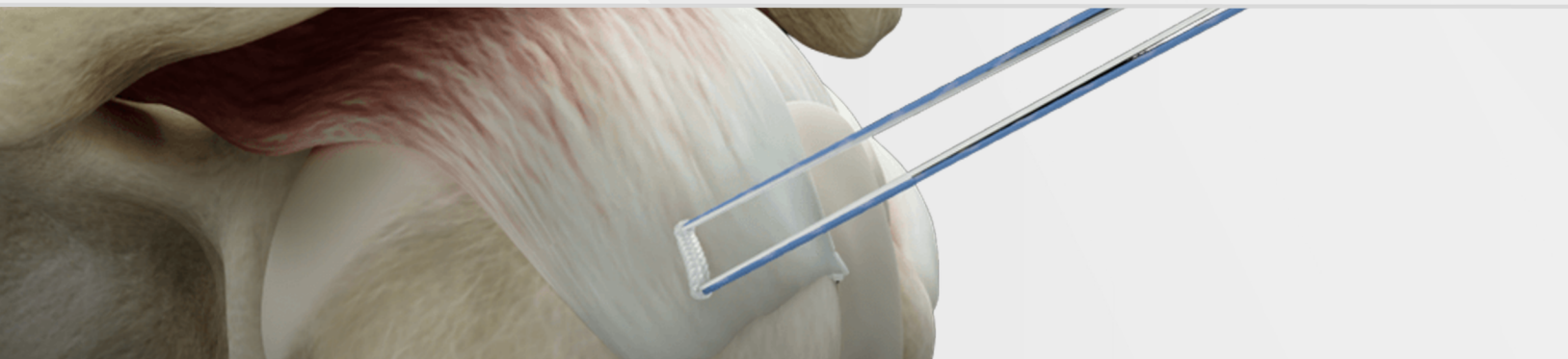
Built on clinical insight and driven by innovation, SutureTech brings together engineering precision and real-world surgical experience to create solutions that meet the demands of today's operating rooms. Each product reflects our commitment to quality, anatomical adaptability, and procedural consistency.

Clinical Challenges in Tendon & Ligament Repair

Musculoskeletal injuries represent a significant clinical burden, with over 2.5 million surgical procedures performed annually to address soft-tissue and tendon damage.¹ Rotator cuff tears are among the most prevalent, affecting approximately 22% of adults and over 50% of individuals older than 65 years.² Rotator cuff repair is now one of the most frequently performed orthopedic procedures in the United States, with over 500,000 surgeries each year.³ Despite continued progress in surgical technique and implant design, published studies report failure-to-heal rates of 20% to 40%, often leading to persistent pain, limited shoulder function, and higher healthcare utilization.⁴⁻⁶

Conventional soft-tissue fixation techniques, particularly suture-anchor constructs, can present clinical and biomechanical challenges that may influence repair consistency and healing potential. These include difficulty achieving broad footprint coverage and compression, variable load distribution across the repair site, and knot-induced tissue trauma when multiple high-tension sutures are used.^{7,8} In addition, procedural complexity and extended operative time can affect efficiency and reproducibility, especially in arthroscopic procedures.⁹

These ongoing challenges highlight the need for fixation options designed to support anatomic tendon-to-bone contact, procedural efficiency, and secure fixation while remaining consistent with accepted surgical principles and regulatory standards.



RapidFix™ All-Suture Dual Anchor Mattress Repair System

The RapidFix All-Suture Dual Anchor Mattress Repair System is used for the fixation of soft tissue to bone during orthopedic surgical procedures. The system features a dual-anchor, all-suture design to provide compression and stabilization at the repair site.

RapidFix is available in a sterile, single-use procedure pack, for efficiency and ease of use in the operating room.

Key Features & Characteristics of RapidFix

The RapidFix All-Suture Dual Anchor Mattress Repair System uses a verified 3-step process designed for surgical workflow and simplicity. Its versatile design supports a range of indications and soft tissue repair types.

The RapidFix Implant:

Is a 100% suture-based design engineered to achieve soft tissue fixation and demonstrated in preclinical testing to meet established performance standards

Utilizes a dual-anchor configuration within a single implant delivery system, which achieves the necessary fixation of a mattress construct and is designed to minimize bone removal compared to techniques requiring multiple traditional anchors.

Repairs tendons in a horizontal mattress configuration, a technique that has demonstrated biomechanical advantages in load distribution and fixation strength over simple suture anchor repairs in comparative studies.^{7,8,10,11}



RapidFix Shoulder Repairs



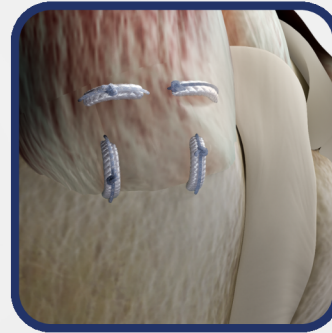
**Double Row
Knotless**



**Single
Row**



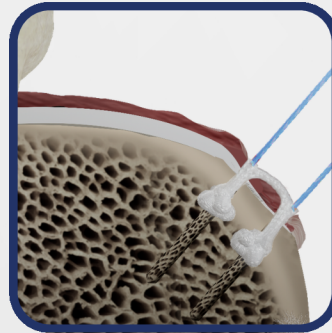
**Graft
Fixation**



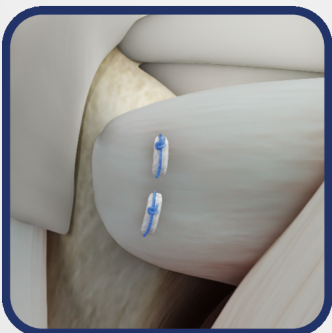
**Novel Repair
Constructs**



Remplissage



**PASTA
Repair**



**Subscapularis
Repair**

System Components

RapidFix Arthroscopic Cannula | 90-STK-200100

The RapidFix Arthroscopic Cannula features a barbed design intended to support instrument assembly and assist with fluid management during arthroscopic procedures.



RapidFix Arthroscopic Cannula Inserter | 90-STK-200200

The RapidFix Arthroscopic Cannula Inserter is designed to penetrate tissue and facilitate placement of the cannula.



RapidFix Inserter Guide | 90-STK-300100

The RapidFix Inserter Guide features a low-profile design with tines intended to facilitate access and positioning while reducing contact with surrounding tissue and bone.



RapidFix Dual Awl | 90-STK-300200

The RapidFix Dual Awl is designed to create pilot holes and an insertion path for the RapidFix All-Suture Dual Anchor Mattress Repair Suture. The device incorporates a dual-tip design intended to support controlled bone and tissue access.



System Components

RapidFix Inserter | 90-STK-400100

The RapidFix Inserter features a contoured handle designed to facilitate placement of the All-Suture All-Suture Dual Anchor Mattress Repair Suture. Hashmarks on the tines are intended to assist with insertion depth control.



RapidFix 1.2 mm Suture Tape | 90-STK-100100

The RapidFix™ All-Suture Dual Anchor Mattress Repair Suture is a preloaded, dual-anchor configuration designed to provide compression between tissue and bone surfaces during fixation.



Ordering Information

Product Name	Part Number
RapidFix™ All-Suture Dual Anchor Mattress Repair System	PKG-90-STK-100100

References

1. United States Bone and Joint Initiative. *The burden of musculoskeletal diseases in the United States*. 4th ed. American Academy of Orthopaedic Surgeons; 2023.
2. Yamamoto A, Takagishi K, Osawa T, et al. Prevalence and risk factors of a rotator cuff tear in the general population. *J Bone Joint Surg Am*. 2010;92:356-63. doi:10.2106/JBJS.I.00443
3. Colvin AC, Egorova N, Harrison AK, Moskowitz A, Flatow EL. National trends in rotator cuff repair. *Am J Sports Med*. 2012;40:1334-41. doi:10.1177/0363546511415656
4. Galatz LM, Ball CM, Teefey SA, Middleton WD, Yamaguchi K. The outcome and repair integrity of completely arthroscopically repaired large and massive rotator cuff tears. *J Bone Joint Surg Am*. 2004;86:219-24.
5. Boileau P, Brassart N, O'Shea K, Barbier O, Lanz R. Risk factors for recurrence of rotator cuff tears after repair. *J Shoulder Elbow Surg*. 2005;14:502-10. doi:10.1016/j.jse.2005.03.002
6. Millett PJ, Singh V, Hsu JK, et al. Healing rates after arthroscopic rotator cuff repair: a review. *Arthroscopy*. 2020;36:2143-51. doi:10.1016/j.arthro.2020.03.015
7. Tamboli M, Hwang J, McGarry MH, Kang Y, Lee TQ, Mihata T. Biomechanical characteristics of the horizontal mattress stitch: implication for double-row and suture-bridge rotator cuff repair. *J Orthop Sci*. 2014;19(2):235-41. doi:10.1007/s00776-013-0504-0
8. Park MC, Jun BJ, Park CJ, Oh JH, Lee TQ. Biomechanical analysis of a knotless transtendon interimplant mattress repair for partial-thickness articular-sided rotator cuff tears. *Am J Sports Med*. 2009;37(12):2427-34. doi:10.1177/0363546509340227
9. Agarwalla A, King J, Vakhshori V, et al. A 15-minute incremental increase in operative duration is associated with an additional risk of complications within 30 days after arthroscopic rotator cuff repair. *Arthroscopy*. 2019;35(12):3211-7.e1. doi:10.1016/j.arthro.2019.07.031
10. Park MC, Cadet ER, Levine WN, Bigliani LU, Ahmad CS. Tendon-to-bone pressure distributions at a repaired rotator cuff footprint using transosseous suture and suture anchor fixation techniques. *Am J Sports Med*. 2005;33(8):1154-9. doi:10.1177/0363546504273053
11. Park MC, Idjadi JA, ElAttrache NS, Tibone JE, McGarry MH, Lee TQ. The effect of dynamic external rotation comparing 2 footprint-restoring rotator cuff repair techniques. *Am J Sports Med*. 2008;36(5):893-900. doi:10.1177/0363546507313092

For the contraindications, potential complications and adverse reactions, warnings and precautions associated with this device, please refer to the device specific instructions for use at www.suturetech.com/resources.

Products not available in all markets. For questions or inquiries about SutureTech products and availability, please contact your SutureTech Sales representative.

Patents: www.suturetech.com/patents

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