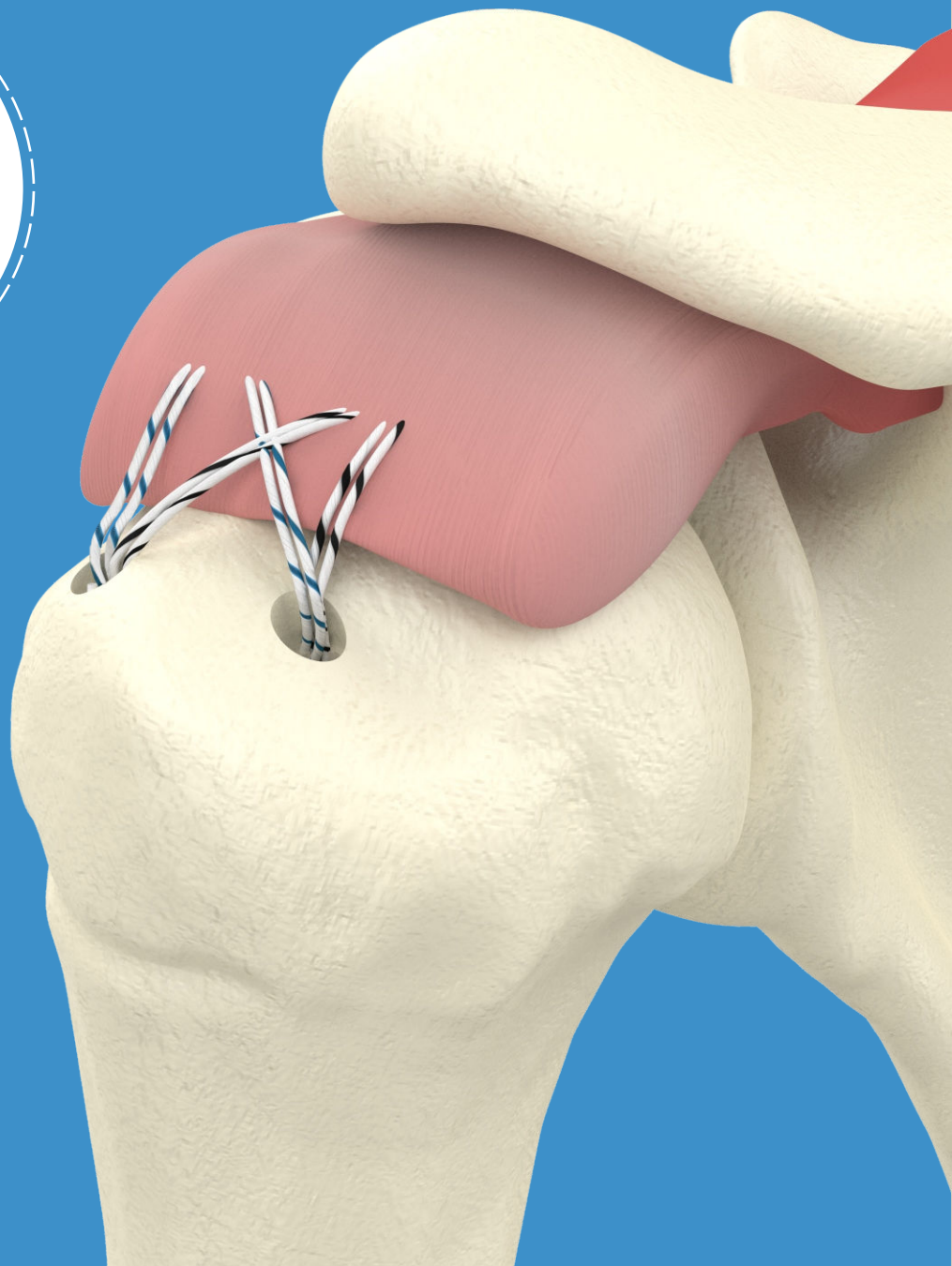
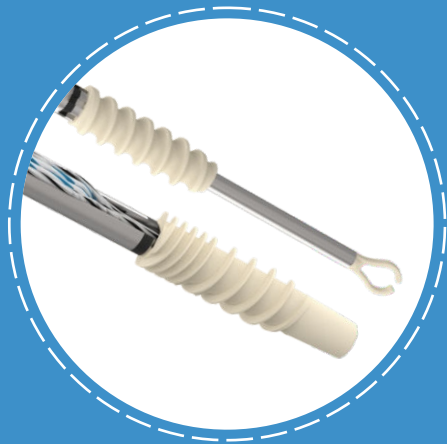


Surgical Technique

Double Row Rotator Cuff Repair
using PEEK Screw-in Suture Anchor and
ROTADOR Screw-In anchor



About us

Auxein Medical is an integrated, research based, orthopaedic Implants & instruments manufacturing company, producing a wide range of quality, affordable generic implants, trusted by healthcare professionals and patients across geographies. It is the Company's constant endeavor to provide a wide basket of generic and our innovator products that exceed the highest expectations of customers in term of quality and safety. The company has world-class manufacturing unit established in india and serves customers in over 80 countries worldwide.

Achievements

- US FDA 510K Cleared (Arthroscopy | Spine | Nailing | Locking Plates | Screws)
- EC Certificate - Class IIa & IIb
- MDSAP Certificate
- ISO 13485:2016
- ISO 9001:2015
- India FDA Approved
- India MDR 2017



80+
Countries
Covered



150+
Distributors
Network



1200+
Implants
Range



20M+
Patients
Treated



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This material is intended for health care professionals. Distribution to any other recipient is prohibited.

For indications, contraindications, warnings, precautions, potential adverse effects and patient counselling information, see the package insert or contact your local representative; visit www.auxein.com for additional product information.

Auxein Medical does not practice medicine. This technique was developed in conjunction with health care professionals. This document is intended for surgeons and is not intended for laypersons. Animations and virtual reality are provided as a visual guide based on surgical techniques; a written copy of the surgical technique is available at www.auxein.com or from your local representative. Each surgeon should exercise his or her own independent judgment in the diagnosis and treatment of an individual patient, and this information does not purport to replace the comprehensive training surgeons have received. As with all surgical procedures, the technique used in each case will depend on the surgeon's medical judgment as the best treatment for each patient. Results will vary based on health, weight, activity and other variables. Not all patients are candidates for this product and/or procedure.

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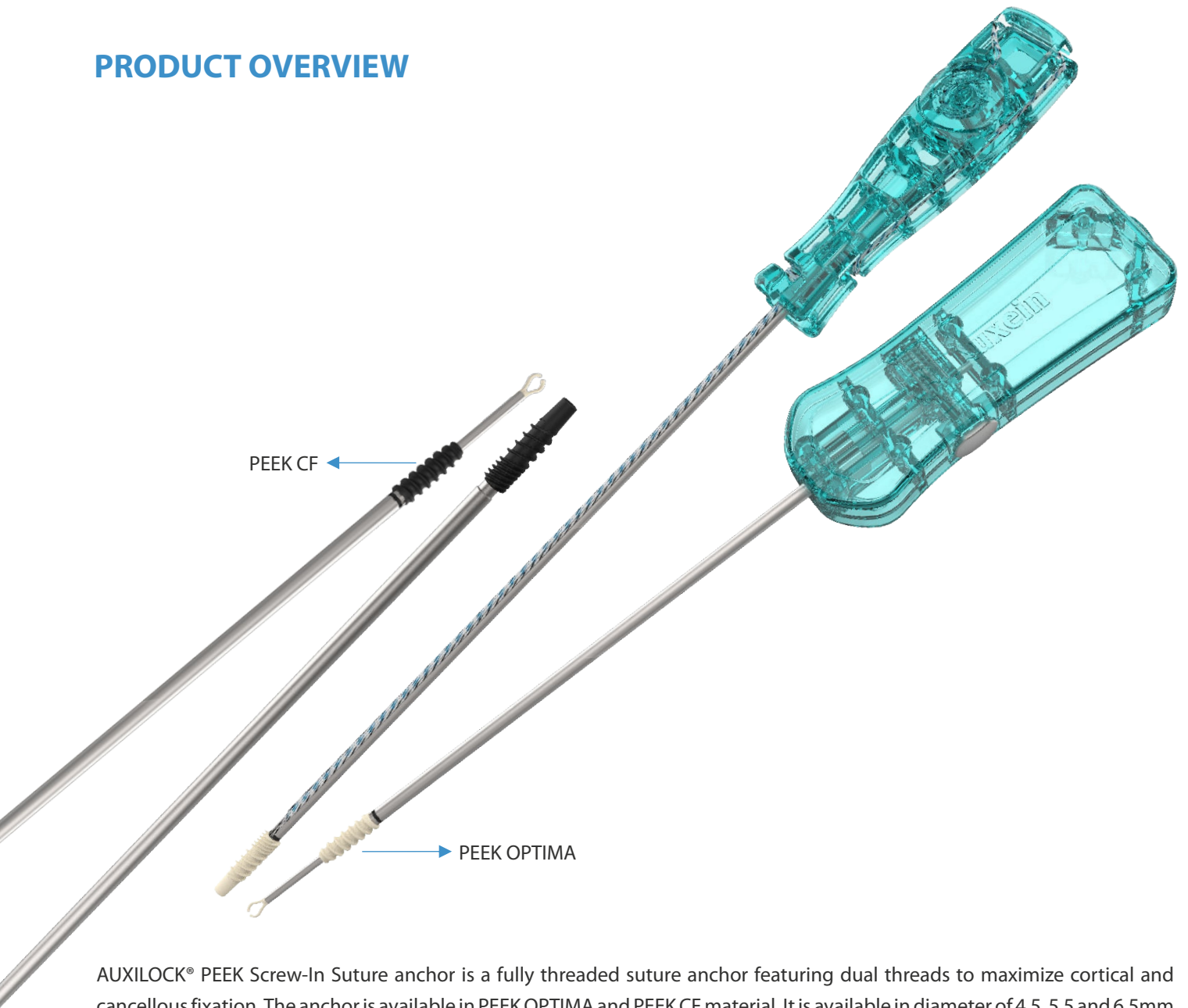


Organised by:  **Auxein**

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PRODUCT OVERVIEW



AUXILOCK® PEEK Screw-In Suture anchor is a fully threaded suture anchor featuring dual threads to maximize cortical and cancellous fixation. The anchor is available in PEEK OPTIMA and PEEK CF material. It is available in diameter of 4.5, 5.5 and 6.5mm with double and triple loaded options. It is also available with various BioBraid and suture tape configurations. It has a flat tip to protect the sutures and to facilitate the insertion. The anchor is particularly suitable for repairing rotator cuff and associated pathologies. The anchors are also available with needles which are ideal for mini-open procedures.

AUXILOCK® ROTADOR PEEK Screw-In Anchors are fully threaded knotless anchors available in 4.75, 5.5 and 6.25mm diameters with PEEK OPTIMA or PEEK CF anchor body and PEEK OPTIMA eyelet. These anchors are designed to be used with sutures or tapes for rotator cuff repair using the 'bridge' technique. Moreover, the 'knotless' technique consists of passing sutures or tapes of the medial row anchors through the tissue. They are finally inserted into the bone socket once they're loaded through the Rotador anchor eyelet. This technique eliminates possible complications caused by knots compared to other conventional anchors. The eyelet of the anchor accommodates up to 6 sutures and 2 tapes at a time.

INDICATION

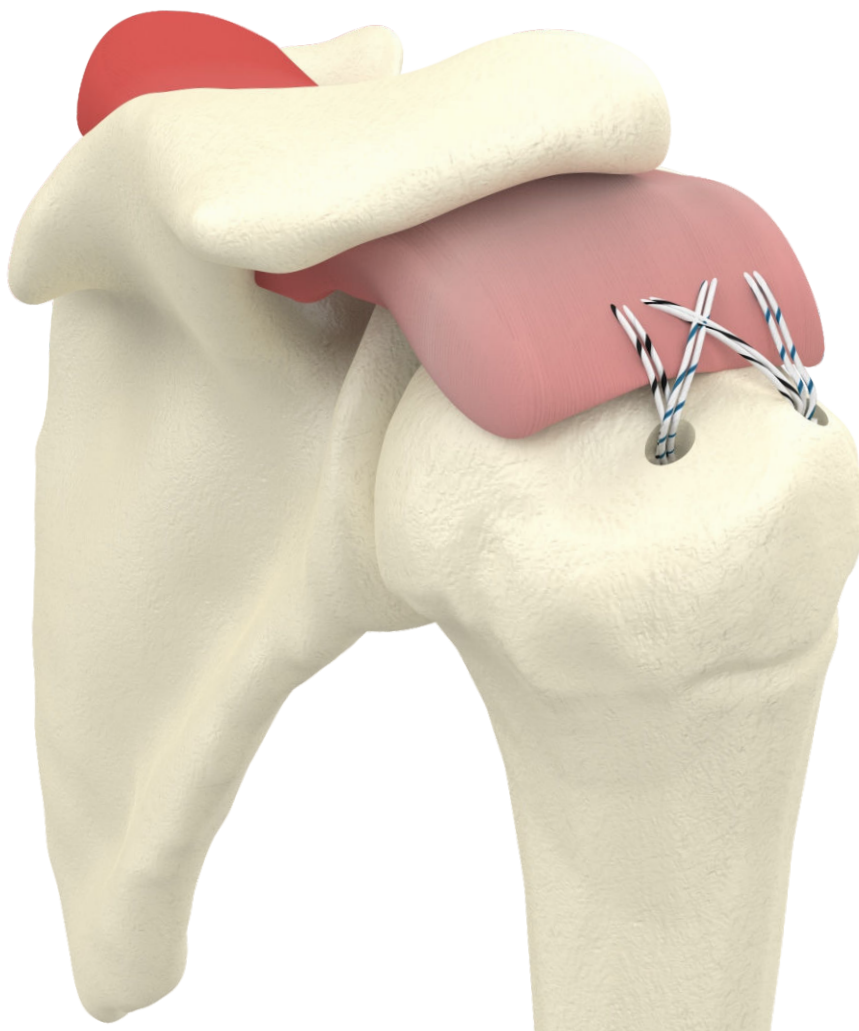
Shoulder: Bankart Lesion Repair, SLAP Lesion Repair, Acromio-Clavicular Separation Repair, Capsular Shift or Capsulolabral Reconstruction, Deltoid Repair, Rotator Cuff Repair, Biceps Tenodesis.

Foot & Ankle: Medial/lateral Repair and Reconstruction, Midfoot Reconstruction, Hallux Valgus Reconstruction, Metatarsal Ligament Repair, Achilles Tendon Repair.

Elbow: Ulnar or Radial Collateral Ligament Reconstruction, Lateral Epicondylitis Repair, Biceps Tendon Reattachment.

Knee: Medial Collateral Ligament Repair, Lateral Collateral Ligament Repair, Posterior Obliqu Ligament Repair, Extra Capsular Reconstruction, Iliotibial Band Tenodesis, Patellar Ligament and Tendon Avulsion Repair.

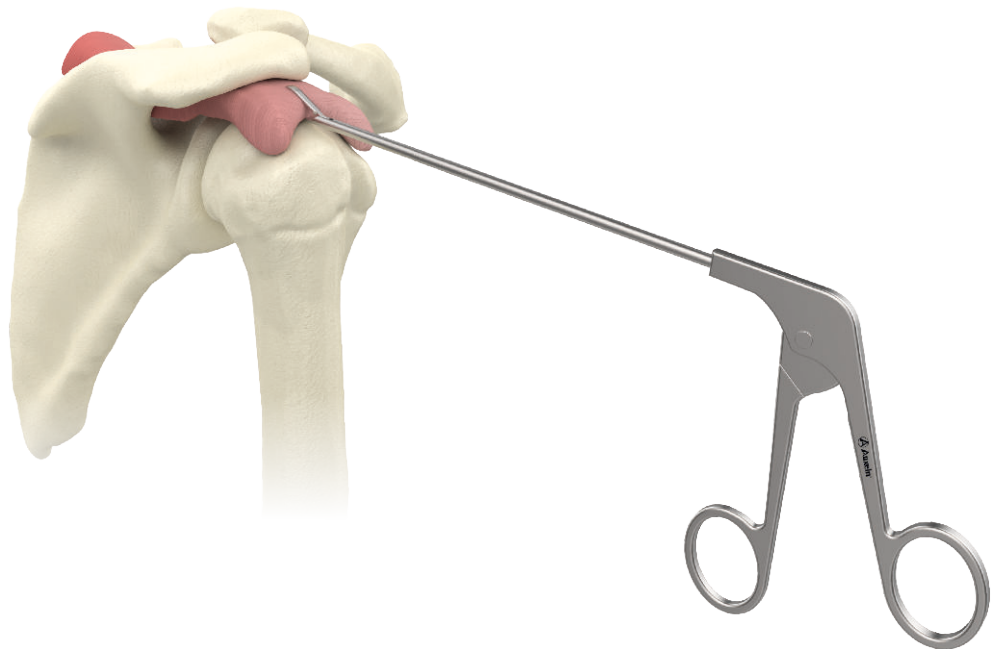
Hand & Wrist: Scapholunate Ligament Reconstruction, Ulnar or Radial Collateral Ligament Reconstruction, TFCC.



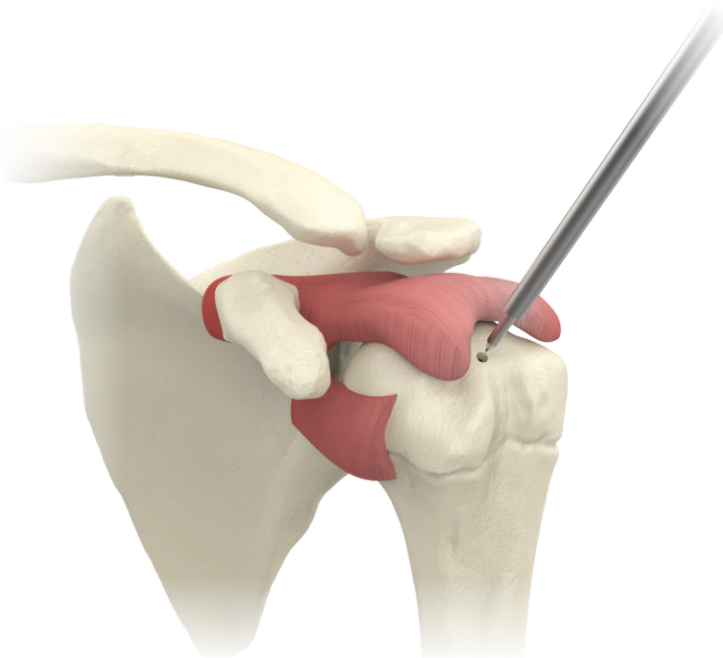
SURGICAL TECHNIQUE

The rotator cuff footprint is prepared using the Rasp or Shaver, taking care not to completely decorticate bone.

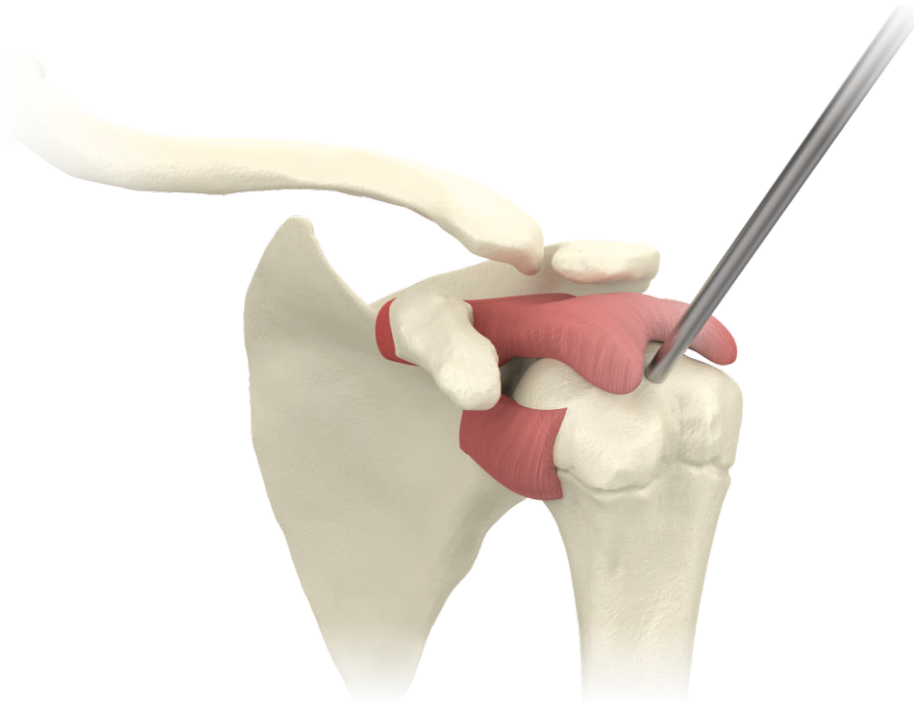
With tissue grasper, reduce cuff to lateral aspect of tuberosity to determine medial-to-lateral mobility of defect.



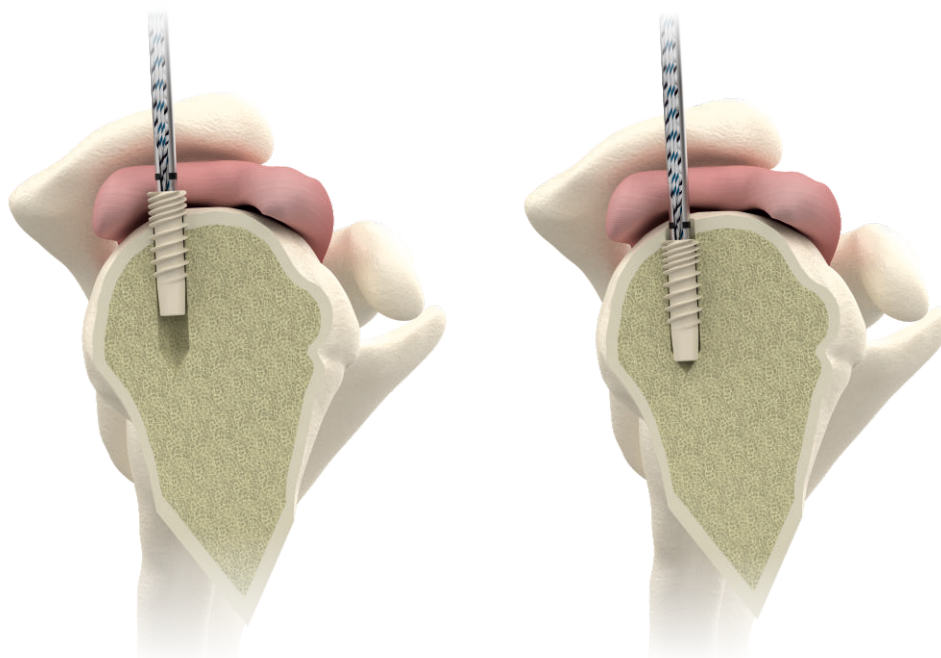
Place Awl for 4.5/5.5mm PEEK Screw-In Anchor at a 45° on desired anchor location in the superior humerus just lateral to the humeral cartilage.



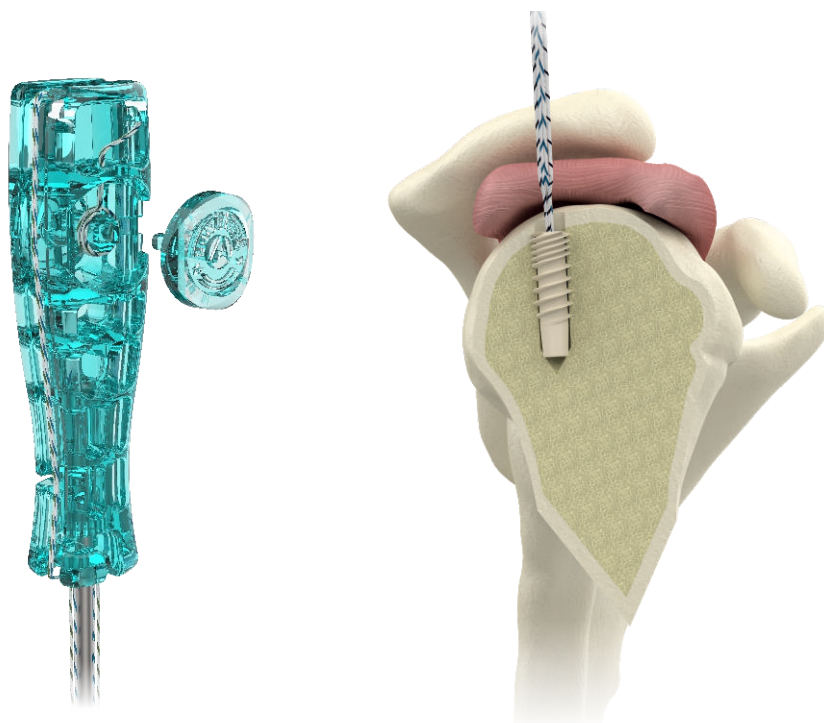
Advance the Awl to appropriate depth and create a hole for anchor.



Remove awl and insert PEEK Screw-in Suture anchor into hole and screw-in the anchor in clockwise direction. Continue to advance anchor until the back of the anchor is 1-3mm below the surface of the bone as indicated by the distal end of the laser mark on the driver shaft.



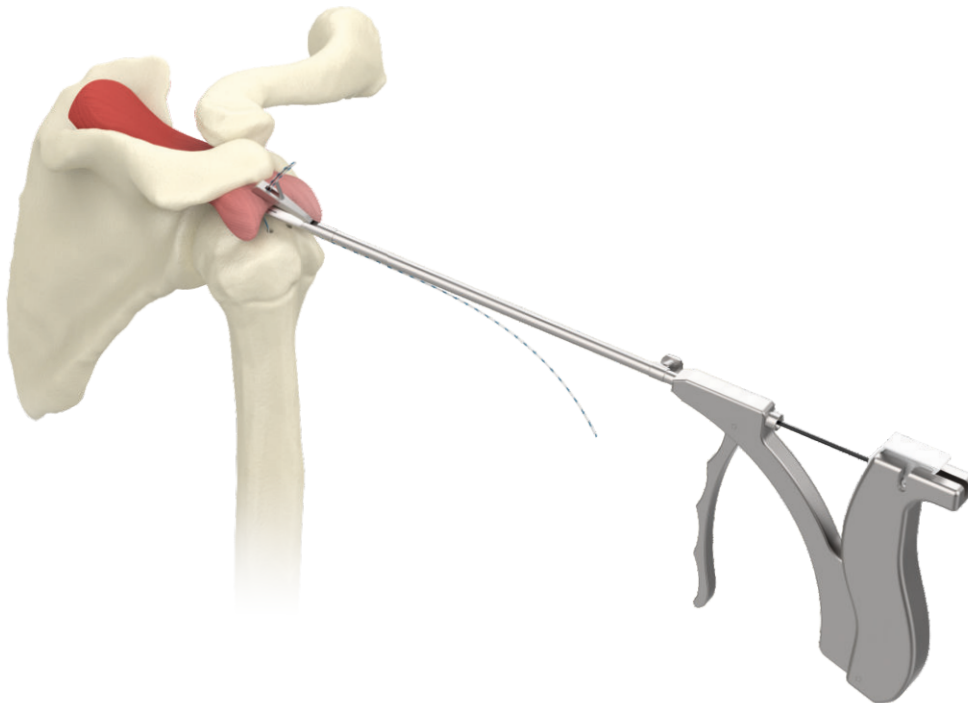
Once the anchor is fully seated into the bone, pull the round cap on the side of the handle. Then remove driver by twisting or pulling it. Confirm anchor is fully seated by direct visualization.



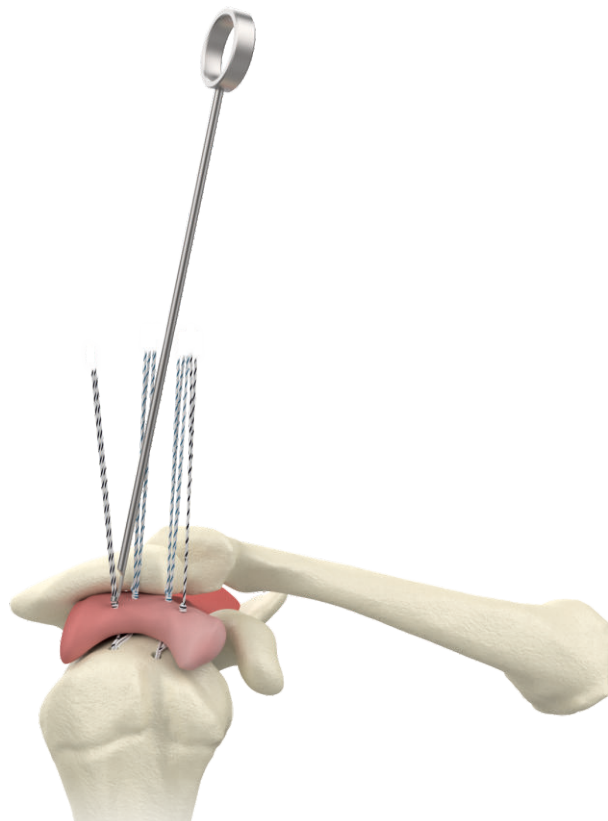
Repeat previous steps and insert the second PEEK Screw-in Suture anchor.



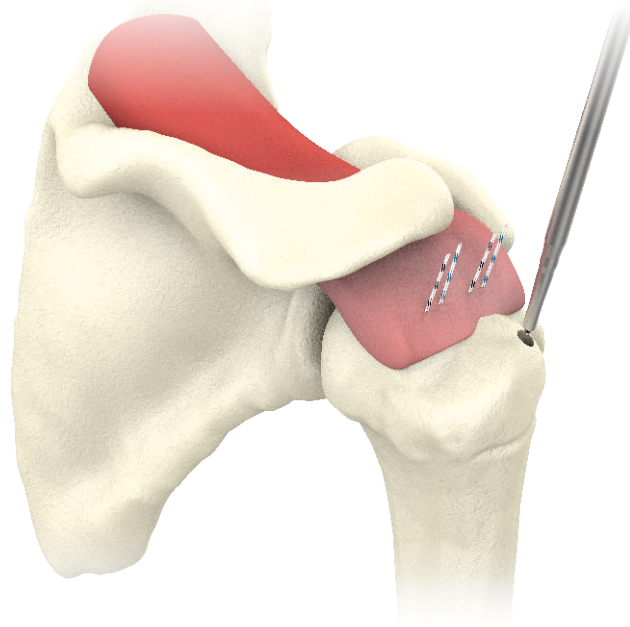
Beginning anteriorly, pass sutures through torn cuff tissue in a mattress configuration using Escorpion suture passer or surgeon's preferred method.



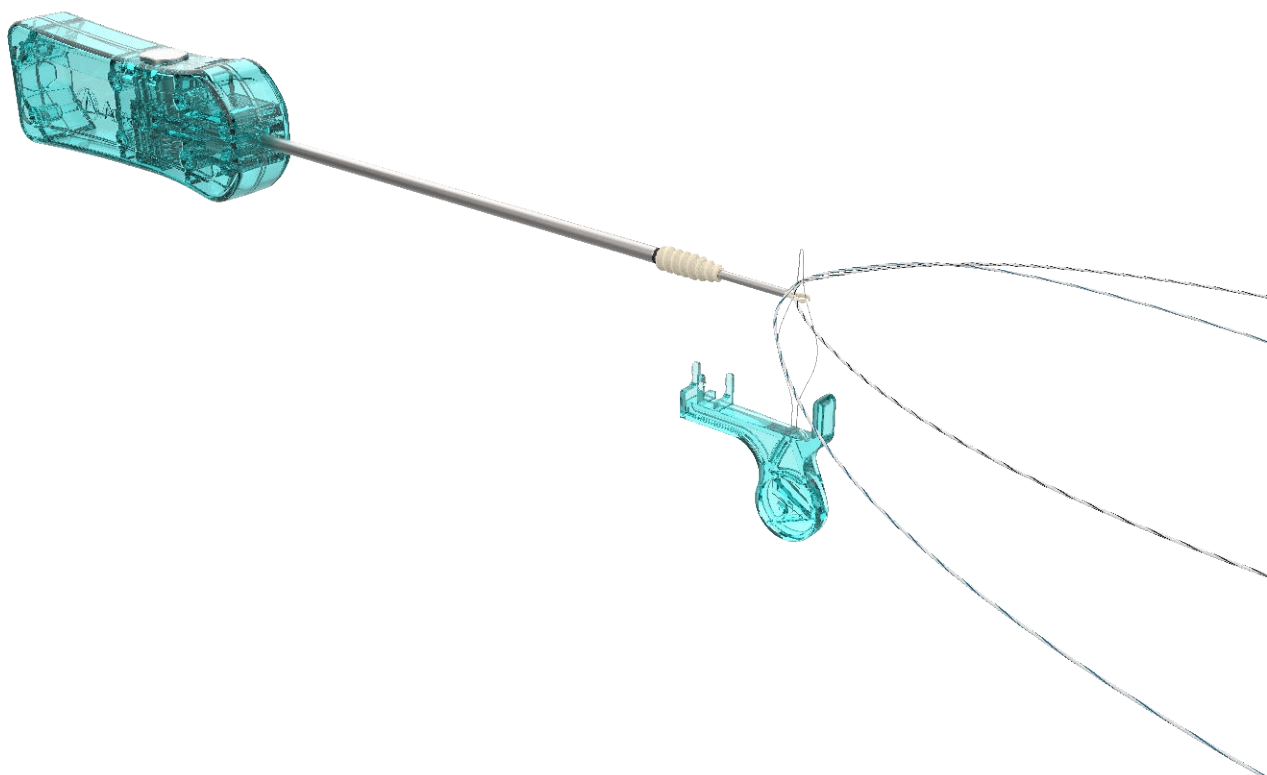
Beginning posteriorly, secure torn tissue using standard arthroscopic knot tying techniques.



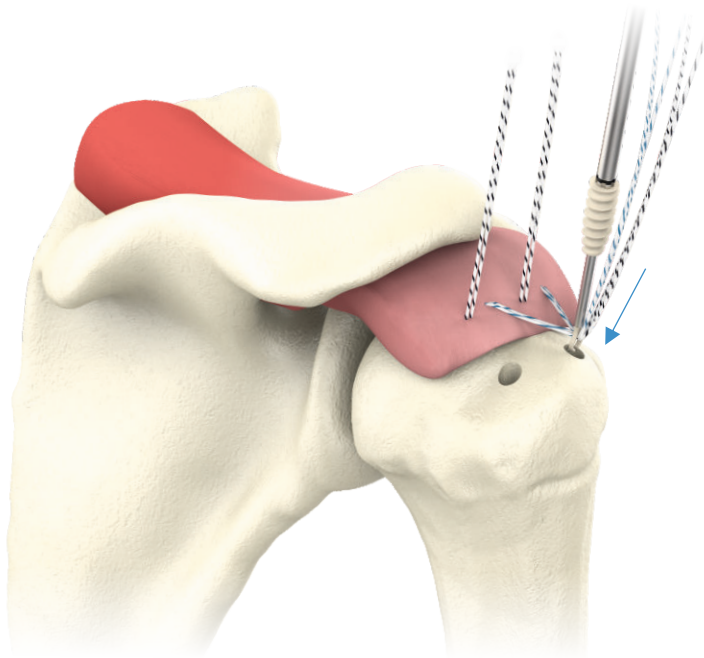
For lateral row fixation, identify the anchor site and create a pilot hole using 4.1mm Awl. Repeat this step for each additional anchor.



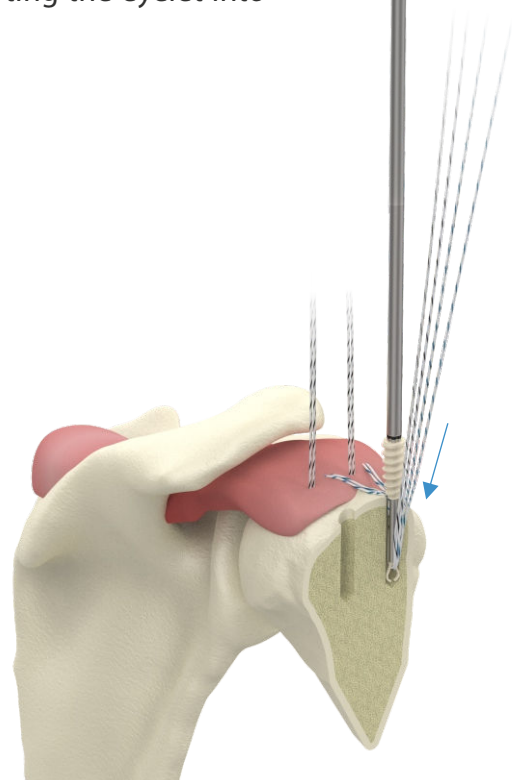
Retrieve each coloured suture coming from each medial row anchor and load them into the eyelet of the ROTADOR Screw-In Anchor using suture passer.



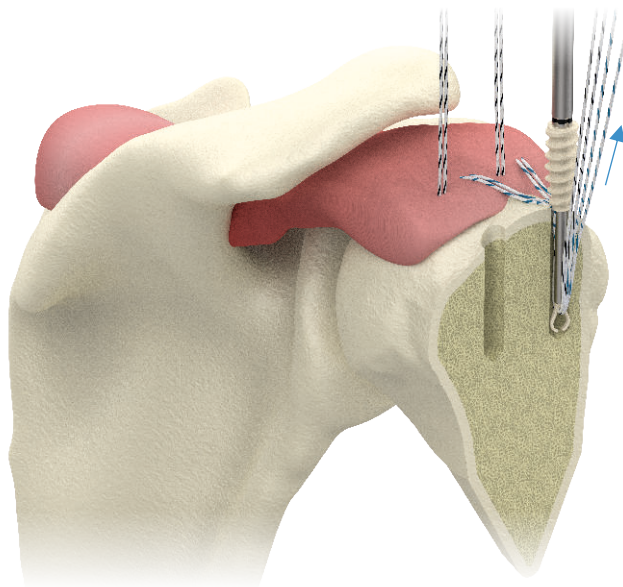
Apply slight tension on the suture tails and advance the ROTADOR anchor into the joint.



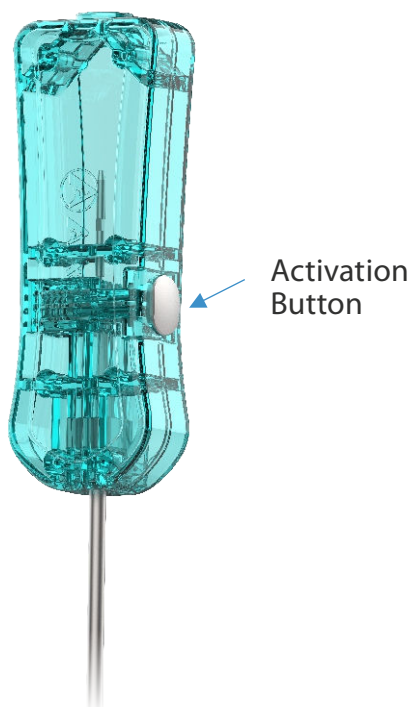
Put the eyelet of the anchor into the pilot hole. Tape the anchor into hole using a hammer until the distal end of anchor body touches the bone. (Note- Advance the anchor in the same direction as the pilot hole was created. Keep slight tension on the sutures while inserting the eyelet into the pilot hole.)



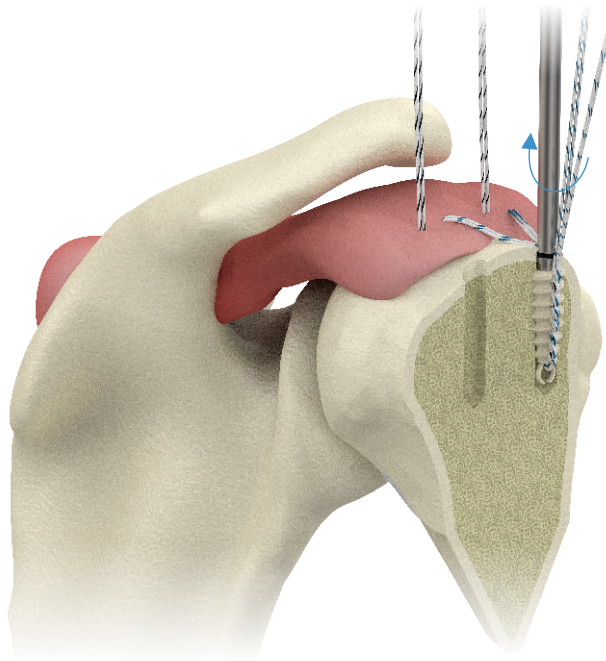
Pull each suture tail Individually in-line with the handle to achieve additional tension.



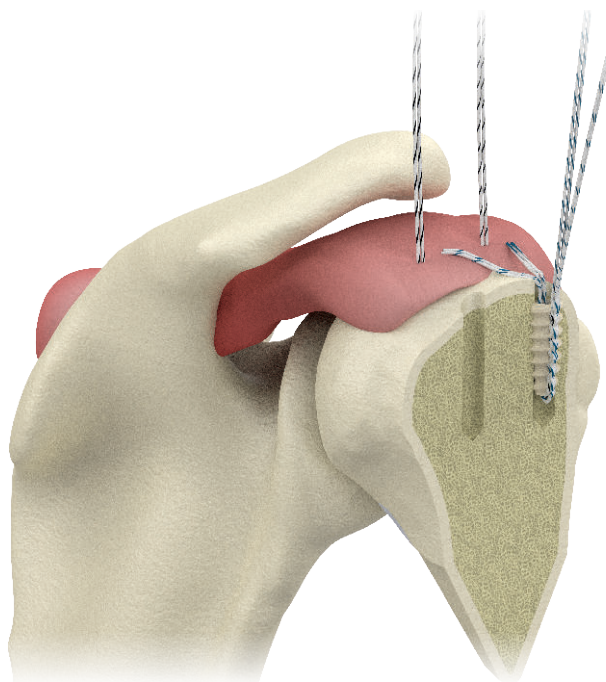
Once desired tension is achieved, press the activation button while maintaining downward pressure to release the inner shaft.



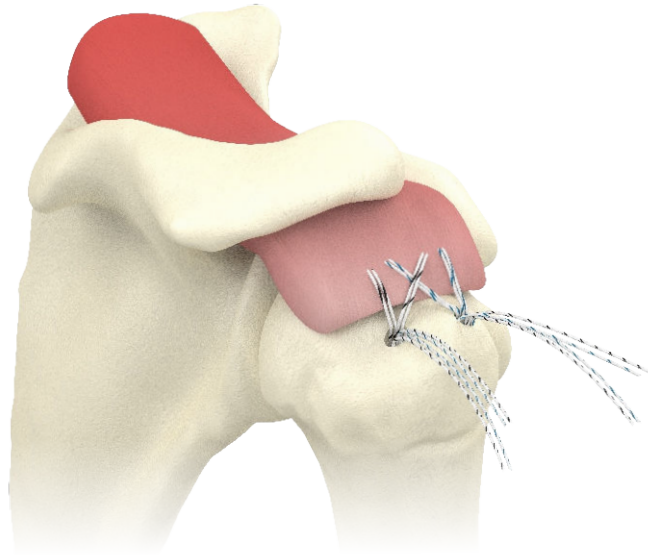
Turn the handle in clockwise direction to insert the anchor body into the pilot hole until the laser mark on the shaft touches the bone.



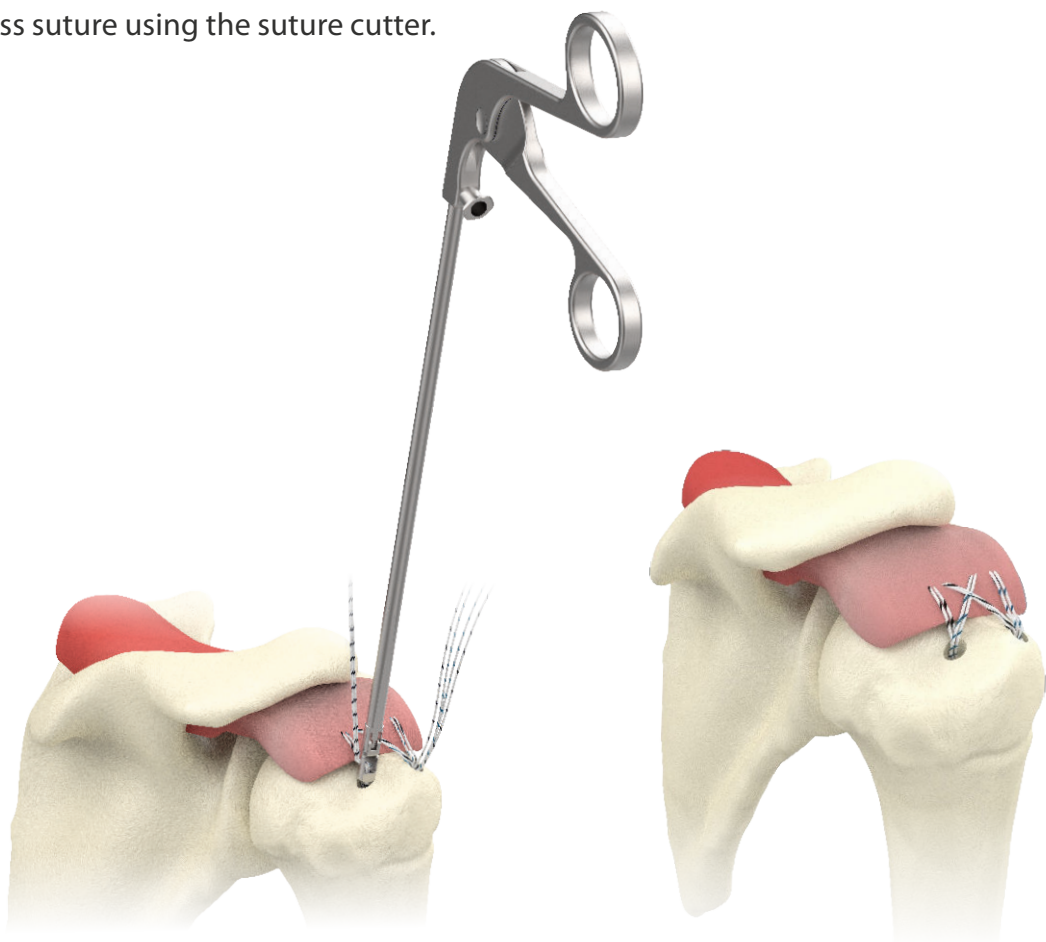
Once the anchor is fixed into the bone, pull the handle back to remove it and release the eyelet



Retrieve remaining sutures coming from each medial row anchor and load it into the eyelet of the second ROTADOR Screw-In Anchor and repeat these steps to complete the fixation.



Cut off the excess suture using the suture cutter.



ORDERING INFORMATION

PEEK CF Screw-in Suture Anchor

Code	Product Description	Suture/Tape Colour
6-046-01	AUXILOCK® 4.5mm PEEK CF Screw-In Suture Anchor With Three #2 BioBraid: White White/Blue & White/Black	
6-046-02	AUXILOCK® 4.5mm PEEK CF Screw-In Suture Anchor With Two #2 BioBraid: White/Blue & White/Black	
6-046-03	AUXILOCK® 5.5mm PEEK CF Screw-In Suture Anchor With Three #2 BioBraid: White,White/Blue & White/Black	
6-046-04	AUXILOCK® 5.5mm PEEK CF Screw-In Suture Anchor With Two #2 BioBraid: White/Blue & White/Black	
6-046-05	AUXILOCK® 6.5mm PEEK CF Screw-In Suture Anchor With Two #2 BioBraid: White/Blue & White/Black	
6-046-06	AUXILOCK® 4.5mm PEEK CF Screw-In Suture Anchor With One #2 BioBraid and One 1.4mm Suture Tape: White/Black & White/Blue	
6-046-07	AUXILOCK® 5.5mm PEEK CF Screw-In Suture Anchor With One #2 BioBraid and One 1.4mm Suture Tape: White/Black & White/Blue	
6-046-08	AUXILOCK® 6.5mm PEEK CF Screw-In Suture Anchor With One #2 BioBraid and One 1.4mm Suture Tape: White/Black & White/Blue	
6-046-09	AUXILOCK® 4.5mm PEEK CF Screw-In Suture Anchor With Two 1.4mm Suture Tape: White/Blue & White/Black	
6-046-10	AUXILOCK® 5.5mm PEEK CF Screw-In Suture Anchor With Two 1.4mm Suture Tape: White/Blue & White/Black	
6-046-11	AUXILOCK® 6.5mm PEEK CF Screw-In Suture Anchor With One #2 BioBraid and One 1.4mm Suture Tape: White/Black & White/Blue	

PEEK OPTIMA Screw-in Suture Anchor

Code	Product Description	Suture/Tape Colour
6-016-05	AUXILOCK® 4.5mm PEEK OPTIMA Screw-In Suture Anchor With Two #2 BioBraid: White/Blue & White/Black	
6-016-07	AUXILOCK® 5.5mm PEEK OPTIMA Screw-In Suture Anchor With Two #2 BioBraid: White/Blue & White/Black	
6-016-08	AUXILOCK® 6.5mm PEEK OPTIMA Screw-In Suture Anchor With Two #2 BioBraid: White/Blue & White/Black	
6-016-13	AUXILOCK® 4.5mm PEEK OPTIMA Screw-In Suture Anchor With Three #2 BioBraid: White, White/Blue & White/Black	
6-016-14	AUXILOCK® 5.5mm PEEK OPTIMA Screw-In Suture Anchor With Three #2 BioBraid: White,White/Blue & White/Black	
6-016-15	AUXILOCK® 4.5mm PEEK OPTIMA Screw-In Suture Anchor With One #2 BioBraid and One 1.4mm Suture Tape: White/Blue & White/Black	
6-016-16	AUXILOCK® 5.5mm PEEK OPTIMA Screw-In Suture Anchor With One #2 BioBraid and One 1.4mm Suture Tape: White/Blue & White/Black	
6-016-17	AUXILOCK® 6.5mm PEEK OPTIMA Screw-In Suture Anchor With One #2 BioBraid and One 1.4mm Suture Tape: White/Blue & White/Black	
6-016-18	AUXILOCK® 4.5mm PEEK OPTIMA Screw-In Suture Anchor With Two 1.4mm Suture Tape: White/Blue & White/Black	
6-016-19	AUXILOCK® 5.5mm PEEK OPTIMA Screw-In Suture Anchor With Two 1.4mm Suture Tape: White/Blue & White/Black	
6-016-20	AUXILOCK® 6.5mm PEEK OPTIMA Screw-In Suture Anchor With Two 1.4mm Suture Tape: White/Blue & White/Black	

Rotador PEEK CF & PEEK OPTIMA Anchor

Code	Product Description
6-020-01	AUXILOCK® Rotador 4.75mm x 15mm PEEK OPTIMA Screw-In Anchor
6-020-02	AUXILOCK® Rotador 5.5mm x 15mm PEEK OPTIMA Screw-In Anchor
6-020-03	AUXILOCK® Rotador 6.25mm x 15mm PEEK OPTIMA Screw-In Anchor
6-020-04	AUXILOCK® Rotador 4.75mm x 15mm PEEK CF Screw-In Anchor
6-020-05	AUXILOCK® Rotador 5.5mm x 15mm PEEK CF Screw-In Anchor
6-020-06	AUXILOCK® Rotador 6.25mm x 15mm PEEK CF Screw-In Anchor

RELATED INSTRUMENTATION

Code	Product Description
6-013-24	Ø4.1mm Awl
6-013-25	Awl For 4.5/5.5mm PEEK Screw-In Anchor
6-013-26	Awl For 6.5mm PEEK Screw-In Anchor
6-013-27	Awl/ Tap For 4.5/5.5mm PEEK Screw-In Anchor
6-013-28	Awl/ Tap For 6.5mm PEEK Screw-In Anchor
6-013-29	Tap For 4.5/5.5mm PEEK Screw-In Anchor
6-013-30	Tap For 6.5mm PEEK Screw-In Anchor

RECOMMENDED INSTRUMENTATION

7-013-33 Switching Stick



7-013-34 Arthroscopic Probe - Shoulder



7-013-35 Tissue Elevator, Up



7-013-36 Tissue Elevator, Down



7-013-37 Rasp, Up



7-013-38 Rasp, Down



7-013-39 Ring Curette



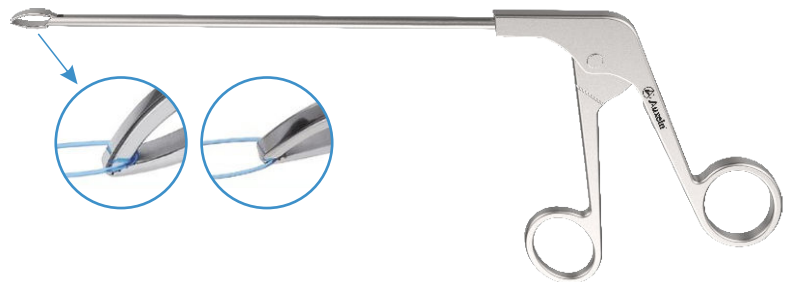
7-013-40

Knot Pusher



7-013-41

Suture Retriever



7-013-42

Tissue Grasper



7-013-43

Suture Cutter/Knot Pusher
With Lock, Ø4.2mm,
V-Knotch, Left Opened



7-013-44

Hammer



7-013-24 Ø4.1mm Awl



7-013-25 Awl For 4.5/5.5mm PEEK Screw-In Anchor



7-013-26 Awl For 6.5mm PEEK Screw-In Anchor



7-013-27 Awl/ Tap For 4.5/5.5mm PEEK Screw-In Anchor



7-013-28 Awl/ Tap For 6.5mm PEEK Screw-In Anchor



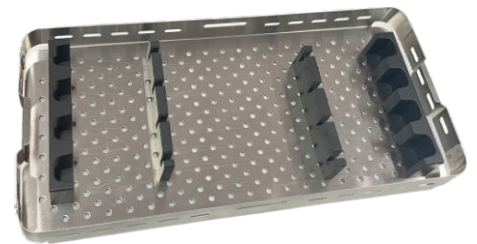
7-013-29 Tap For 4.5/5.5mm PEEK Screw-In Anchor



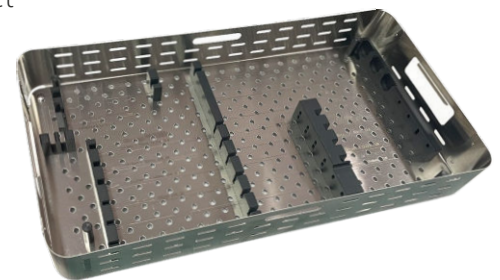
7-013-30 Tap For 6.5mm PEEK Screw-In Anchor



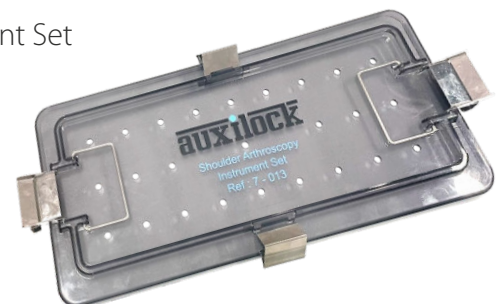
7-013-45 Tray For Shoulder Arthroscopy Instruments Set



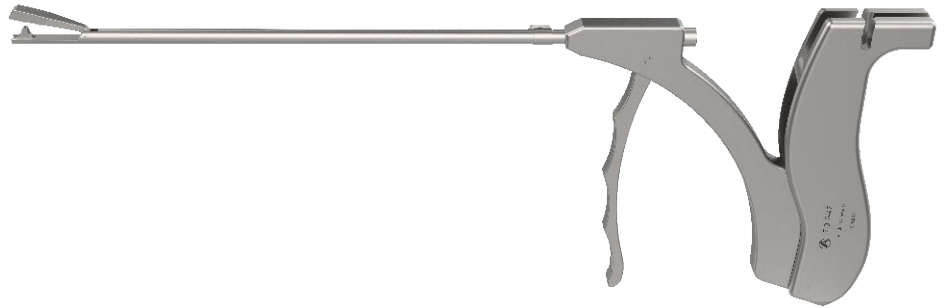
7-013-46 Container For Shoulder Arthroscopy Instrument Set



7-013-52 Lid For Container Shoulder Arthroscopy Instrument Set



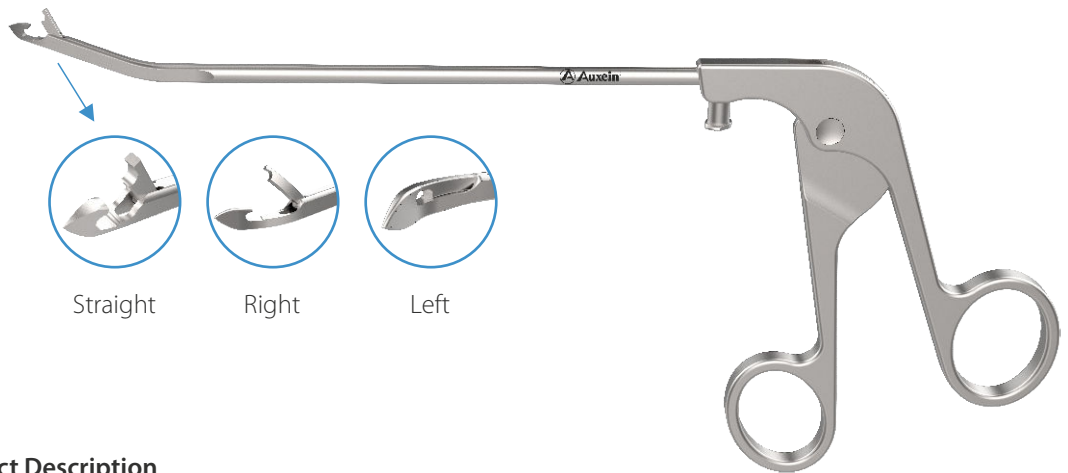
7-013-47 ESCORPIAN Suture Passer



7-013-48 Needle With Lateral Opening For ESCORPIAN Suture Passer



Smart Hook



Code	Product Description
7-013-49	Smart Hook Suture passer, Straight
7-013-50	Smart Hook Suture passer, Right
7-013-51	Smart Hook Suture passer, Left



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