

SURGICAL TECHNIQUE



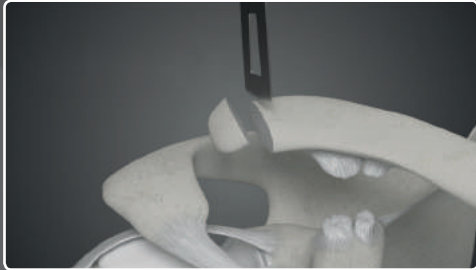
LockDown

Shoulder Stabilisation System (LSSS™)

# LockDown<sup>™</sup> Shoulder Stabilisation System (LSSS<sup>™</sup>)

**LockDown<sup>™</sup>** is a synthetic device used in acromioclavicular reconstruction to replace the ligament and recreate the anatomy.

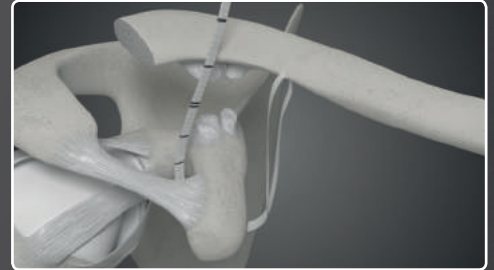
The device is made of double braided polyester with over 3,000 implantations being made every year worldwide. **LockDown<sup>™</sup>** allows early mobilisation at 2 weeks, quick rehabilitation - with light exercise at 8 weeks and contact sport at 12 weeks.



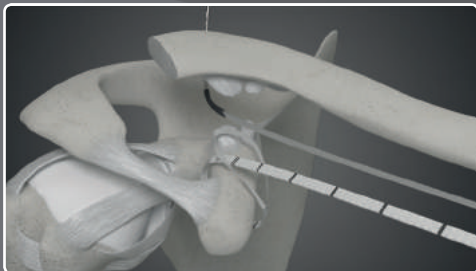
**1.** Place the patient in a deck chair position. At the surgeon's discretion the lateral end of the clavicle may be excised to avoid post operative impingement.



**2.** Pass the tubular introducer under the base (proximal end) of the coracoid in a medial to lateral direction keeping the tip against the bone. Thread the length gauge metal leader through the cannulated tubular introducer in a medial to lateral direction.



**3.** Remove the introducer leaving the length gauge under the base of the coracoid, in direct contact with the bone.



**4.** Thread the length gauge metal leader through the ribbon end loop to lasso around the coracoid and tighten ensuring the lasso loop is superior. Pass the length gauge from anterior to posterior under the clavicle.



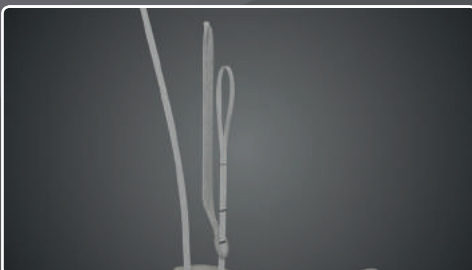
**5.** Reduce the joint aligning the clavicle to its anatomical position. Position the length gauge over the clavicle in line with the proposed position of the AC device. Note the AC device size required from the length gauge ribbon marking adjacent to the fixation point.



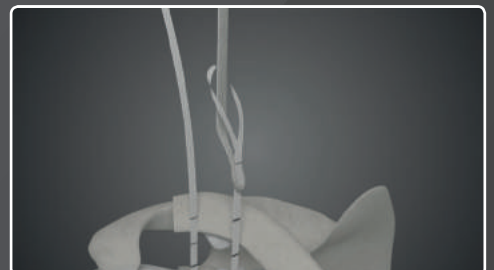
**5a.** The spacing between the markings on the length gauge is 1cm. The double mark indicates an 11cm AC device. Elevate the elbow and press down on the lateral end of the clavicle to facilitate reduction, ensuring the length gauge is not under excessive tension.



**6.** Unthread the metal leader from under the coracoid and back through the lasso loop leaving it under the coracoid.



**7.** Pass the ribbon end of the length gauge through the hard loop of chosen AC device.



**8.** Open up the ribbon end to pass over the entire length of the device.





**9.**  
Tighten the knot and secure the length gauge at the end of hard loop.



**10.**  
Use the length gauge to shuttle the AC device part-way under the coracoid then pass the metal leader through the AC device soft loop. Continue passing the length gauge through until the AC device hard loop passes through the implant soft loop to lasso the coracoid.



**11.**  
Ensure the lasso is positioned on the superior surface of the coracoid and as proximal as possible. Remove any slack from the AC device lasso using the loop tensioner.



**12.**  
Pass the length gauge from anterior to posterior under the clavicle through the same pathway as used previously. Reduce the clavicle as before and position the AC device hard loop to the desired fixation point. Mark the position of the fixation.



**13.**  
Drill a 2.5mm hole at an oblique angle through the clavicle. To determine the screw size measure the hole depth and add 4mm to the overall length to ensure bi-cortical fixation. Tap the hole with a 3.5mm cortical tap.



**14.**  
Reduce the clavicle avoiding excessive force on the length gauge to position the hard loop. Secure the AC device with the screw and washer.



**15.**  
Remove the length gauge before fully seating the screw and washer. Do not over tighten.

## INDICATIONS

- Acromioclavicular dislocation (acute & chronic)
- Rockwood Type III, IV & V acromioclavicular joint injury
- Lateral clavicle fractures
- Revision of a previous stabilisation procedure such as a failed Weaver Dunn

This product information is intended solely for use in markets outside of the United States of America. For US product information, please contact your local **LockDown™** representative.



# LockDown

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