Massive Rotator Cuff Repair and Augmentation using the SpeedBridge™ Repair System and ArthroFLEX® Dermal Matrix

Surgical Technique
Appropriate releases are usually required to achieve repair of the large to massive size tears that require augmentation. The tuberosity is prepared by removing remnant soft tissue to a light bleeding surface and a margin convergence can be performed.

The SpeedBridge rotator cuff repair can easily be combined with the ArthroFLEX Decellularized Dermal Matrix to provide complete restoration on challenging repairs.

Two SwiveLock® C’s loaded with a FiberTape® and #2 FiberWire® are inserted into the medial row.

ArthroFLEX is an acellular dermal extracellular matrix intended for supplemental support and covering. Matracell®, a patented and validated process by LifeNet Health®, renders the ArthroFLEX allograft dermis acellular, without compromising biomechanical or biochemical properties. This process allows the matrix to retain its growth factors, native collagen scaffold, and elastin, which are required for healing.
Tie one FiberWire® suture from each anchor sealing off the medial row of the repair.

Shuttle both sets of suture through the tendon from each anchor using a Scorpion™ and FiberLink™.

Insert the lateral row of SwiveLock® anchors using the standard SpeedBridge technique.

Shuttle both sets of suture through the ArthroFLEX® using a Scorpion and FiberLink. Position the ArthroFLEX firmly against the tendon while pulling tension on sutures. A grasper can be used to slide the ArthroFLEX graft into place.

Additional FiberLink sutures can be added to the lateral side of the ArthroFLEX to add tension to the construct.

Tie one FiberWire® suture from each anchor sealing off the medial row of the repair.
### Ordering Information

**Implants/Disposables:**

- Bio-SwiveLock™ C, 4.75 mm x 19.1 mm, closed eyelet: AR-2324BSLC
- Bio-SwiveLock C, 5.5 mm x 19.1 mm, closed eyelet: AR-2323BSLC
- Bio-SwiveLock SP, 4.75 mm x 24.5 mm, self-punching: AR-2324BSLM
- Bio-SwiveLock SP, 5.5 mm x 24.5 mm, self-punching: AR-2323BSLM
- FiberTape®, 2 mm, 7" (blue) each end tapered to #2 FiberWire, 30°: AR-7237-7
- TigerTape™, 2 mm, 7" (white/black) each end tapered to #2 TigerWire, 30°: AR-7237-7T
- FiberLink™, #2 FiberWire (blue) w/closed loop: AR-7235
- MultiFire Scorpion Needle: AR-13995N
- Scorpion™ Needle: AR-13990N
- SureFire® Scorpion Needle: AR-13991N
- PassPort Button Cannula™, 8 mm I.D. x 2 cm: AR-6592-08-20

**BioComposite™, PEEK, and titanium anchor options also available**

**Instruments:**

- Punch, for 5.5 mm Corkscrew® FT and 4.75 mm and 5.5 mm SwiveLock: AR-1927PB
- Disposable Punch, for 5.5 mm Corkscrew FT and 4.75 mm and 5.5 mm SwiveLock: AR-1927PBS
- MultiFire Scorpion Suture Passer: AR-13995
- Scorpion Suture Passer, 16 mm: AR-13990
- Humpback Scorpion, 16 mm: AR-13993
- FiberTape Retriever w/SR Handle: AR-13974SR
- Suture Cutter, 4.2 mm, open-ended, left notch: AR-11794L

#### ArthroFLEX® Decellularized Dermis:

**ArthroFLEX 1.0 mm (thickness = .76 mm - 1.24 mm):**
- Decellularized Dermis 40 mm x 40 mm: AFLEX400
- Decellularized Dermis 40 mm x 70 mm: AFLEX401

**ArthroFLEX 1.5 mm (thickness = 1.26 mm - 1.74 mm):**
- Decellularized Dermis 35 mm x 35 mm: AFLEX100
- Decellularized Dermis 40 mm x 70 mm: AFLEX101

**ArthroFLEX 2.0 mm (thickness = 1.76 mm - 2.24 mm):**
- Decellularized Dermis 35 mm x 35 mm: AFLEX200
- Decellularized Dermis 40 mm x 70 mm: AFLEX201

**ArthroFLEX 3.0 mm (thickness = 2.50 mm - 3.50 mm):**
- Decellularized Dermis 40 mm x 70 mm: AFLEX301

**ArthroFLEX® should be ordered through LifeNet Health Customer Service at 888-847-7831**

This description of technique is provided as an educational tool and clinical aid to assist properly licensed medical professionals in the usage of specific Arthrex products. As part of this professional usage, the medical professional must use their professional judgment in making any final determinations in product usage and technique. In doing so, the medical professional should rely on their own training and experience and should conduct a thorough review of pertinent medical literature and the product's Directions For Use.

LifeNet Health helps to save lives, restore health and give hope to thousands of patients each year. We are the world’s most trusted provider of transplant solutions, from organ procurement to new innovations in bio-implant technologies and cellular therapies – a leader in the field of regenerative medicine, while always honoring the donors and health care professionals that allow the healing process.