**InternalBrace™**

**Ligament Augmentation Repair**

**Deltoid Ligament**

**Simple, Safe & Reproducible**

- Deltoid ligament injury
- Acute ankle fracture
- Chronic deltoid insufficiency for reconstruction

**InternalBrace Ligament Augmentation Repair Kit (AR-1678-CP) includes**

- BioComposite SwiveLock w/#2 FiberTape, 3.5 mm
- BioComposite SwiveLock, 4.75 mm
- Guidewire w/Trocar Tip, 1.35 mm
- Drill Bit, cannulated, 2.7 mm
- Drill Bit, 2.7 mm
- Punch/Tap for 3.5 mm SwiveLock
- Drill Bit, 3.4 mm
- Punch/Tap for 4.75 mm SwiveLock
- Drill Guide
- Two Free Needles
- Suture Passing Wire

**InternalBrace Ligament Augmentation Repair Kit w/ Collagen Coated FiberTape (AR-1688-CP) includes**

- BioComposite SwiveLock w/ Collagen Coated FiberTape, 3.5 mm
- BioComposite SwiveLock, 4.75 mm
- Guidewire w/Trocar Tip, 1.35 mm
- Drill Bit, cannulated, 2.7 mm
- Drill Bit, 2.7 mm
- Punch/Tap for 3.5 mm SwiveLock
- Drill Bit, 3.4 mm
- Punch/Tap for 4.75 mm SwiveLock
- Drill Guide
- Two Free Needles
- Suture Passing Wire

*NEW!* Collagen Coated FiberTape® in Kit AR-1688-CP

*Available in the U.S. only.*
InternalBrace™ Ligament Augmentation Repair
Deltoid Ligament Technique Review

This technique shows tibiocalcaneal and tibiotalar anchor bridges.

Drill a 3.4 mm hole in the medial malleolus and tap with the 4.75 mm SwiveLock® Tap. The orientation of this pilot hole should be approximately 20° from distal to proximal. Place the tip of the 4.75 mm SwiveLock (green) loaded with 2 mm FiberTape® into the bone socket. Insert the screw into the hole by holding the paddle with your fingers and turning the handle clockwise until the implant is flush or slightly countersunk in the bone.

Place one 3.5 mm SwiveLock into the sustentaculum tali and the other 3.5 mm SwiveLock into the talus, repeating the insertion steps while adjusting the tension on the FiberTape. Keep the ankle in neutral position with slight inversion. This construct recreates the superficial and deep deltoid ligament.

Insert a 1.35 mm K-wire into the sustentaculum tali of the calcaneus. Verify position of pin prior to overdrilling with the 2.7 mm cannulated Drill Bit. Use the blue Drill Guide and bottom out drill in guide to confirm depth. Aim 15° plantarly and slightly posterior to avoid the subtalar joint. Locate the insertion of the deep deltoid in the talus and drill with 2.7 mm solid Drill Bit. Use the blue Drill Guide and bottom out drill in guide to confirm depth. Use the 3.5 mm SwiveLock Tap and tap both pilot holes to the laser line. Load each FiberTape tail from the 4.75 mm SwiveLock into 3.5 mm SwiveLock (black).

Cut the remaining tails of the FiberTape and assess range-of-motion and stability.

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.