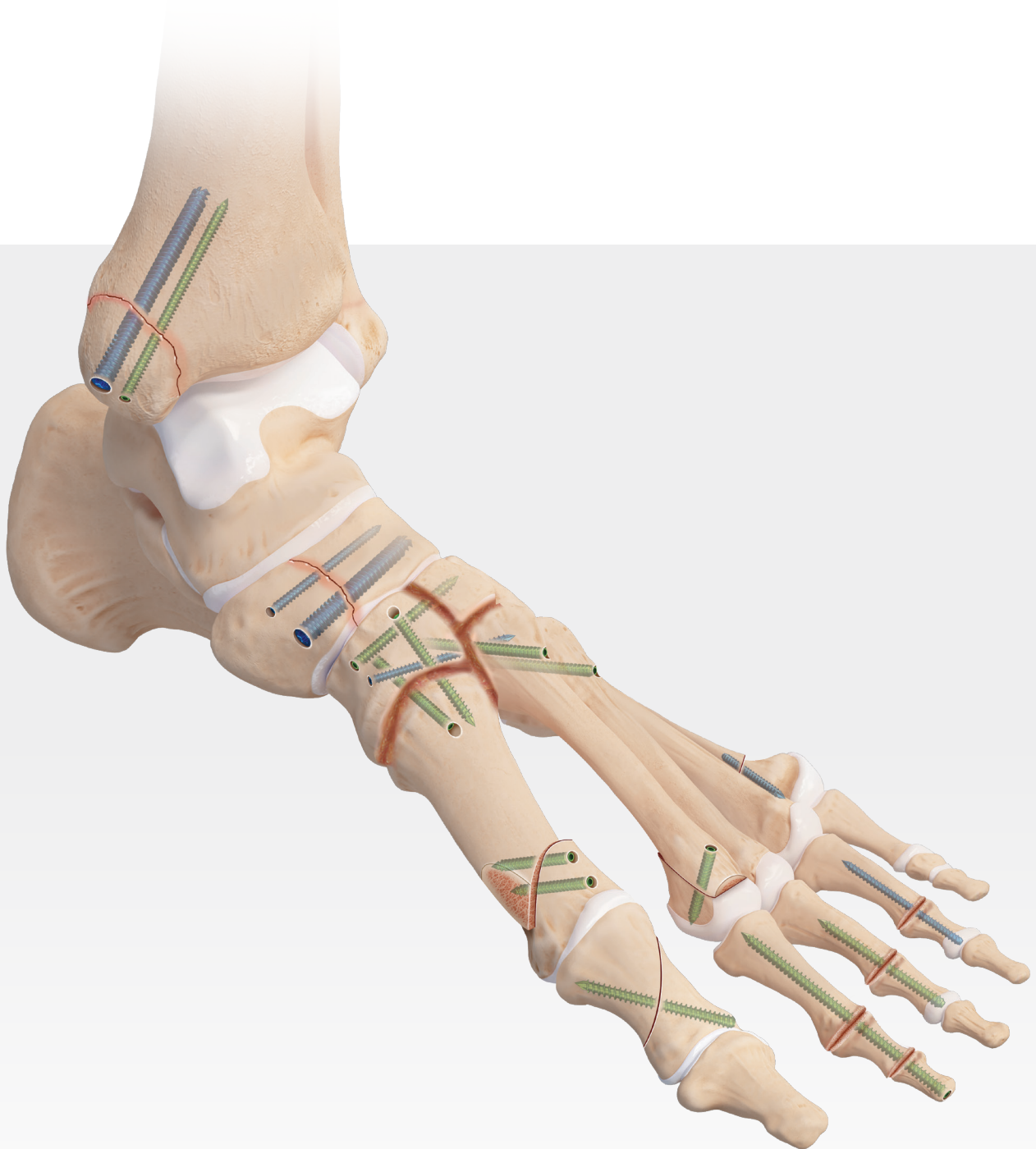


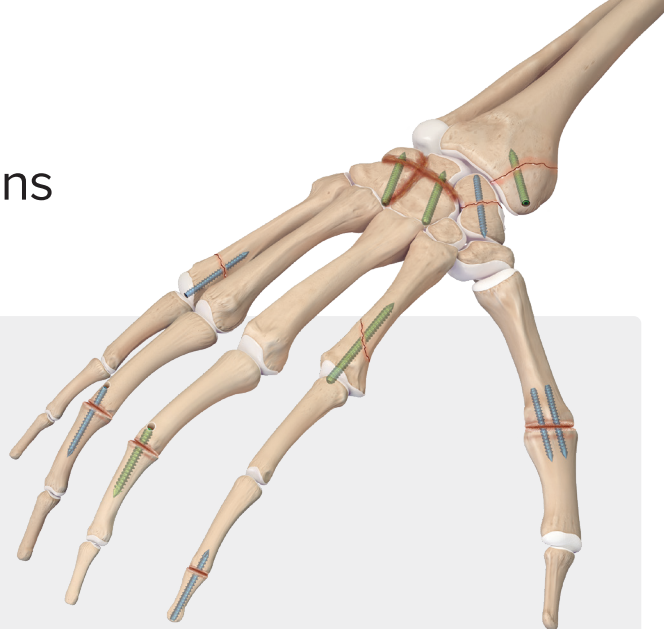
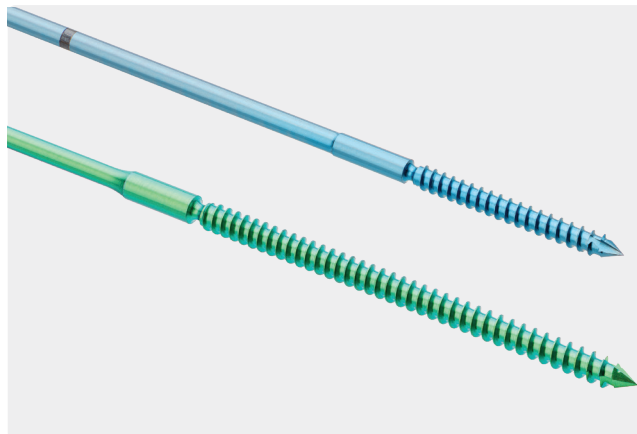
Snap-Off Compression FT Pins

Surgical Technique



Snap-Off Compression FT Pins

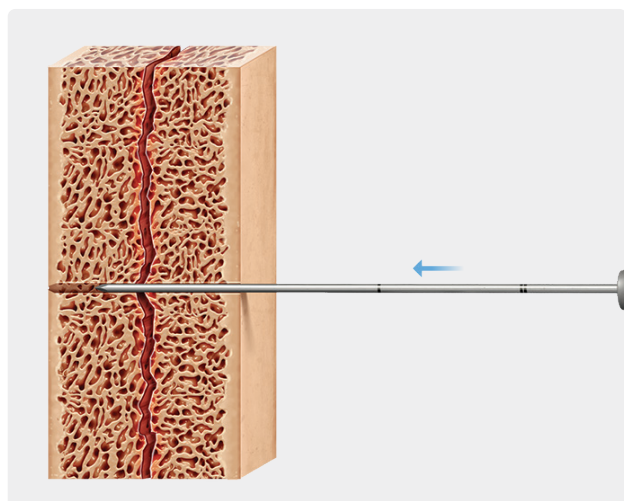
Introduction



Snap-Off Compression FT pins offer solutions for both the upper and lower extremities as well as in the trauma setting. The ease of use, variable-stepped thread pitch, and wide range of screw lengths in diameters of both 1.9 mm and 2.4 mm represent an innovative new technology for use in arthrodesis of joints and for repair and reconstructions of intra-articular and extra-articular fractures. They offer compression of bone fragments for a wide range of indications and can be used in conjunction with other Arthrex products.

- › **Variable-Stepped Thread Pitch**—the screw tip's wider thread pitch enters the bone faster than trailing threads, gradually compressing the fragments as the screw is advanced.
- › Multiple size options available in both 1.9 mm and 2.4 mm diameters
- › Self-drilling and self-tapping to facilitate easy insertion
- › Solid, trimmable versions available
- › Quick and convenient surgical technique
- › Available in titanium

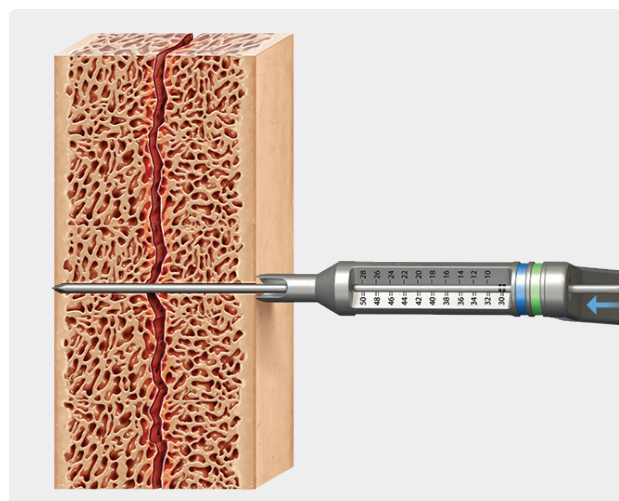
Snap-Off Compression FT Pins Surgical Technique



1

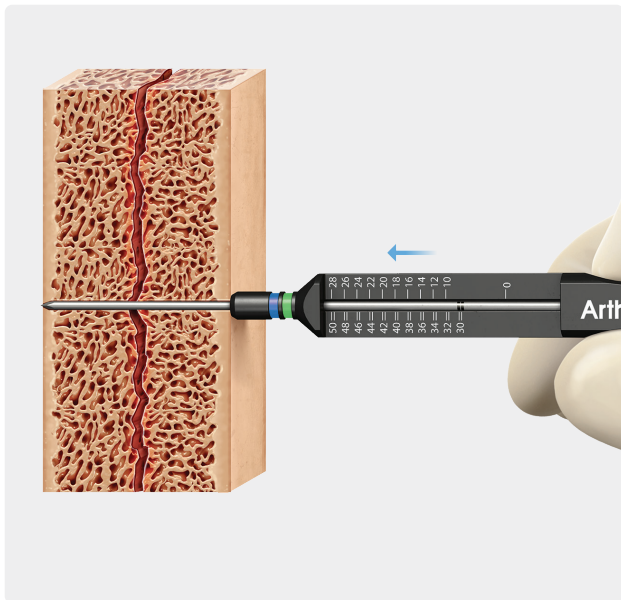
After initial reduction, introduce the appropriately sized, calibrated measuring K-wire across the fracture or fusion site. Confirm wire placement position and appropriate depth under imaging.

If hard bone is present, the corresponding hard bone drill may be used.



2

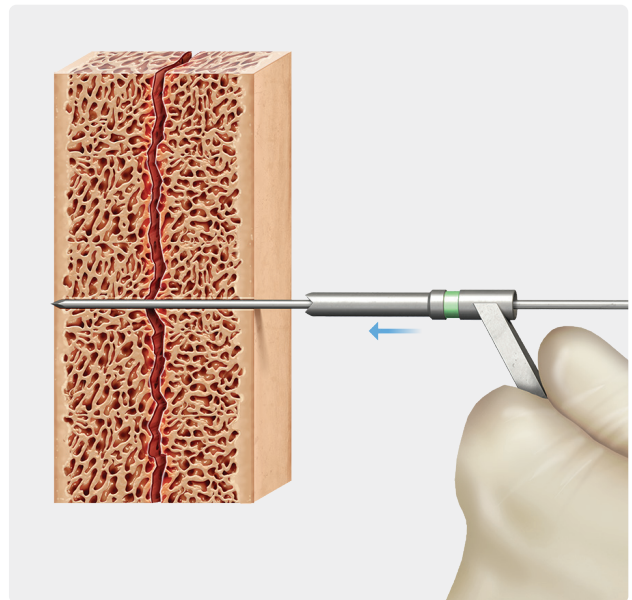
The measuring drill guide may be used as both a tissue protector and a depth device for the K-wires and hard bone drills.



3

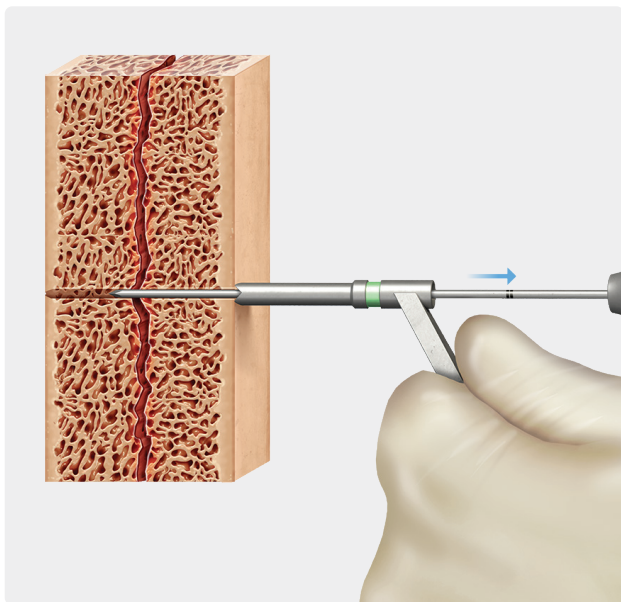
Measure the K-wire using the depth gauge.

Note: The corresponding single, or double, laser mark will indicate the correct size implant.



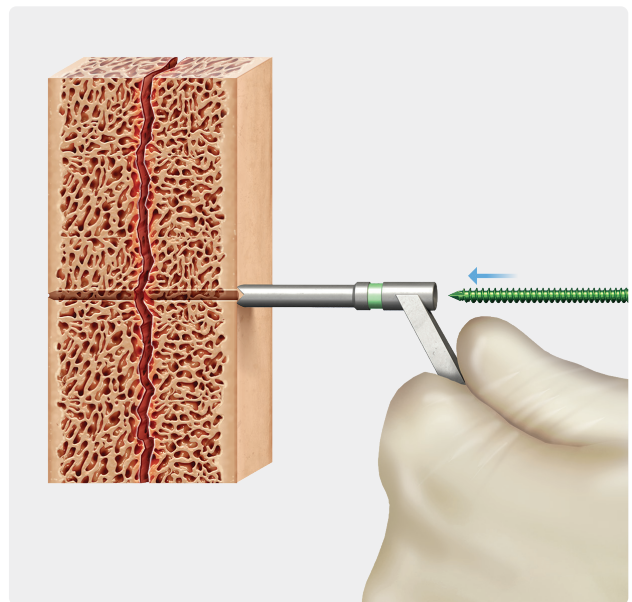
4

Slide the pin insertion guide over the K-wire and down to bone.



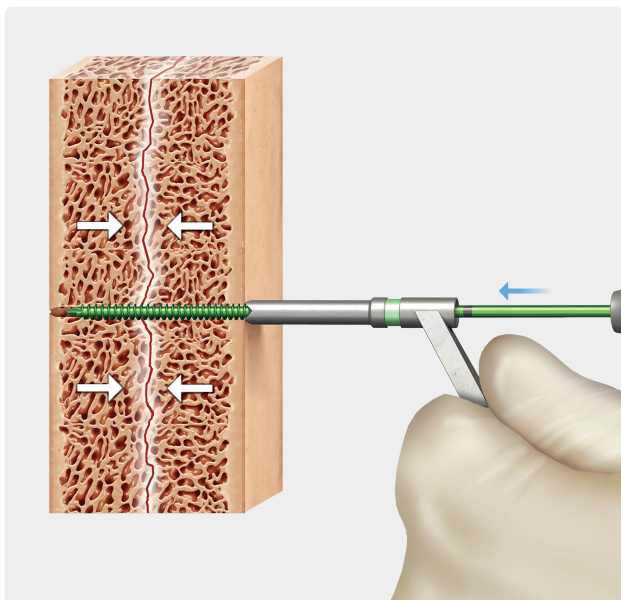
5

While maintaining the position of the pin insertion guide and entry point, remove the K-wire.



6

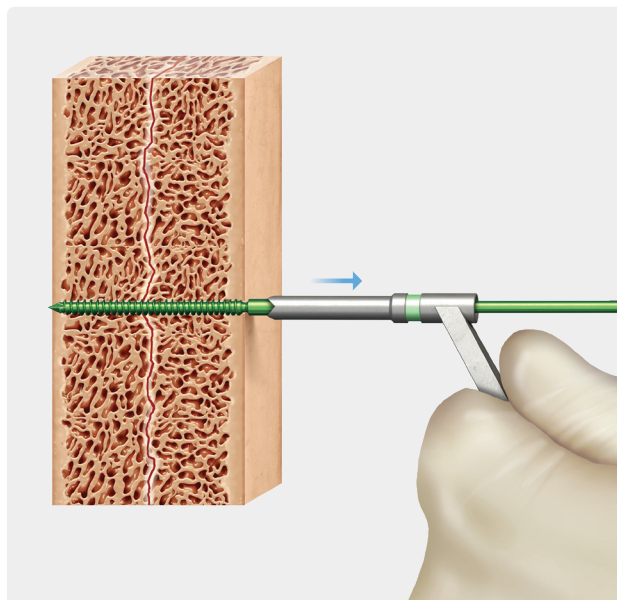
Introduce the Snap-Off Compression FT pin through the pin insertion guide.



7

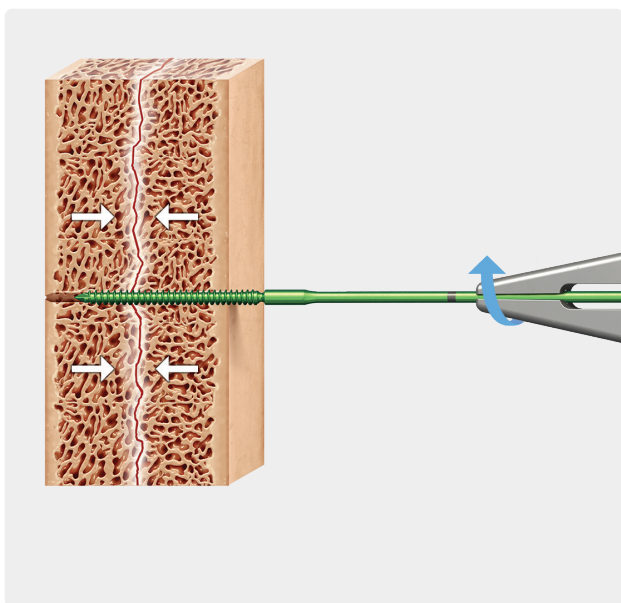
Insert the implant until the laser mark on the shaft of the implant is no longer visible above the pin insertion guide, or until the snapping feature of the implant is flush with the cortex.

Note: Use caution when advancing on power as to not over-insert the implant.



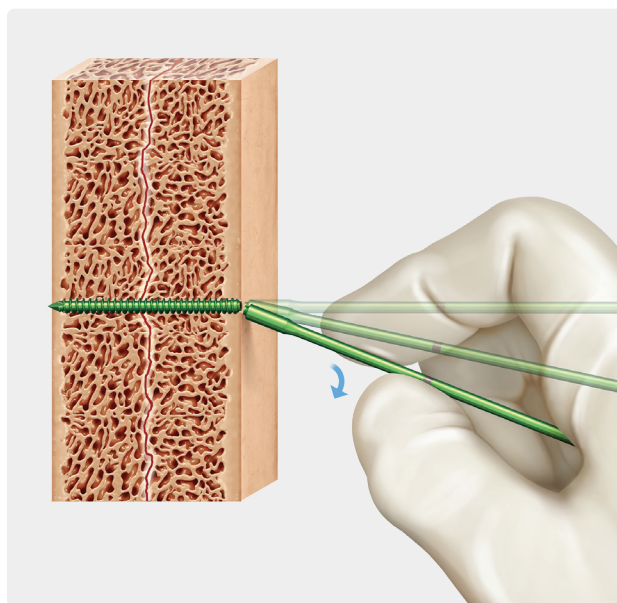
8

Slide the pin insertion guide up the shaft and away from the bone to visually confirm the threads are buried, and the snapping feature is flush with the cortex. Remove the guide. Confirm position under imaging.



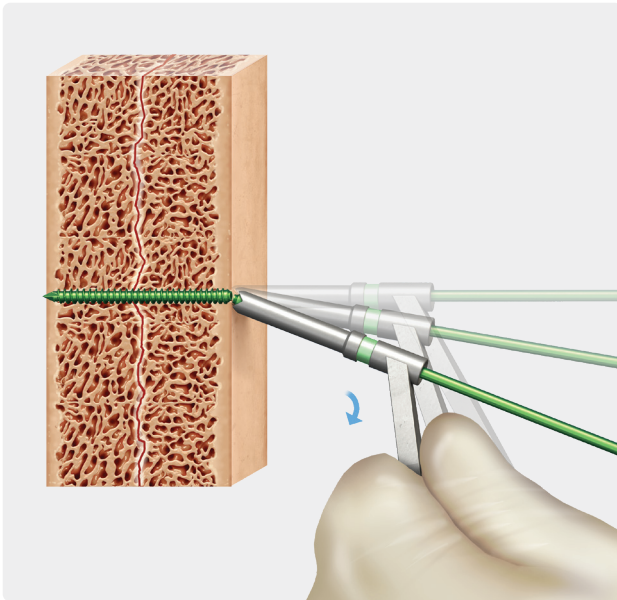
9

If minor adjustments are necessary, use the locking pin driver to advance or retract the implant to the desired depth.



10

With the pin fully inserted, stabilize the fixation site and bend the shaft in a singular direction until it separates from the threaded portion of the implant.



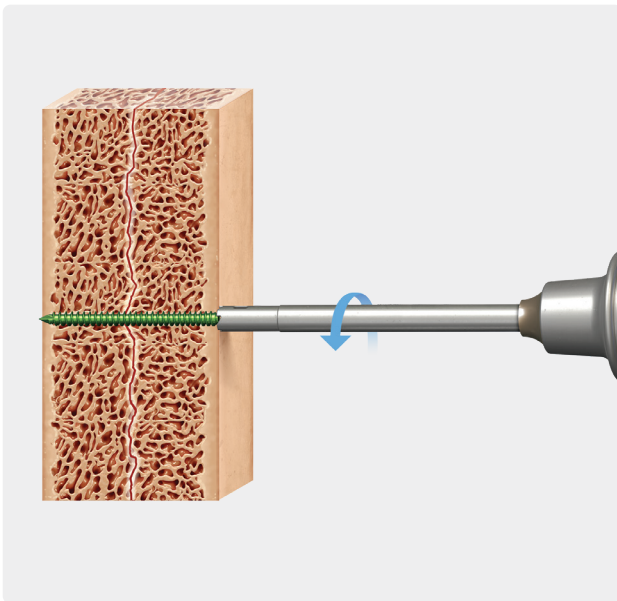
11

This action may also be facilitated using the pin insertion guide as a fulcrum point.



12

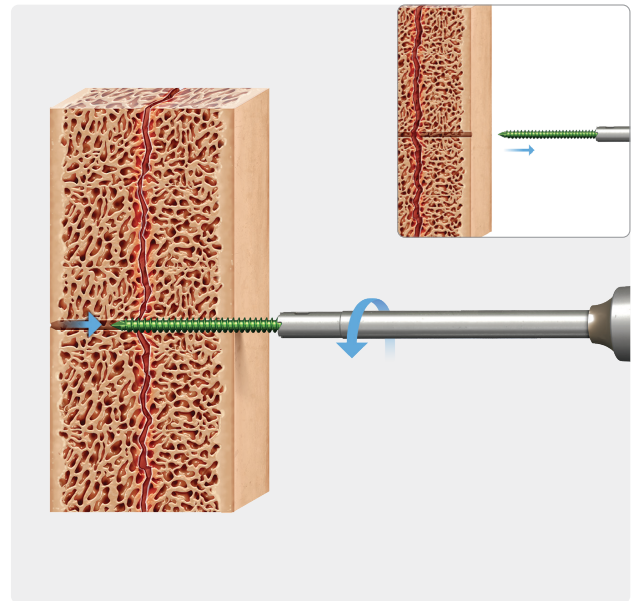
Check final placement under imaging.



13

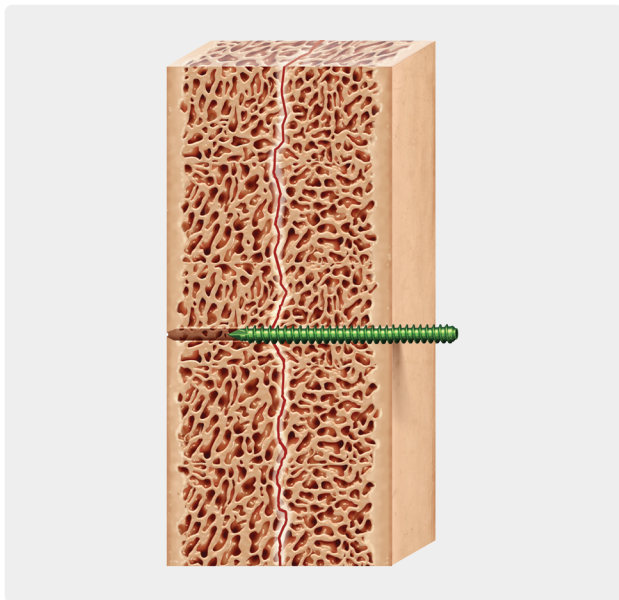
If removal is necessary, use the corresponding pin extractor on power and in reverse to expose the head of the implant and engage with the threads.

Note: Ensure that the extractor is oriented in the same axis as the implant.



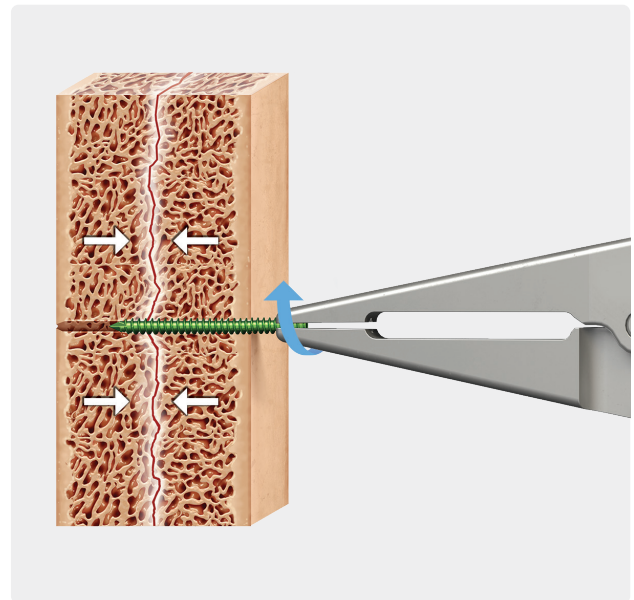
14

Apply downward force while on reverse. Once the extractor has engaged the threads of the implant, continue in reverse to remove the implant entirely.



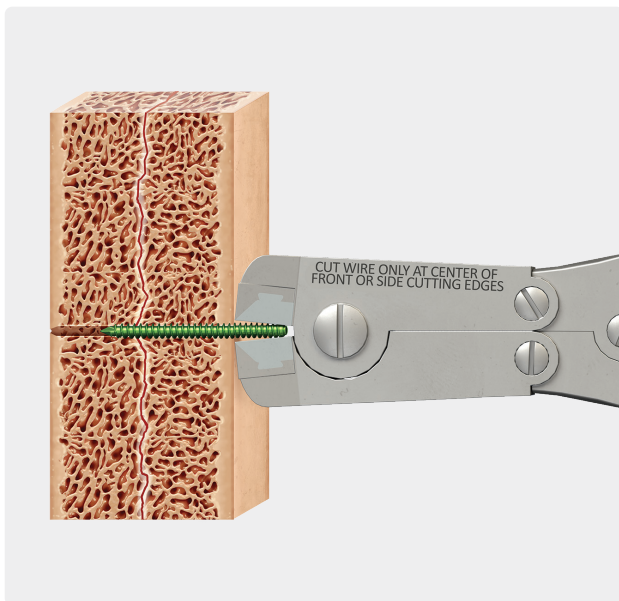
15

If the implant is unintentionally left proud, you have multiple options to address this.



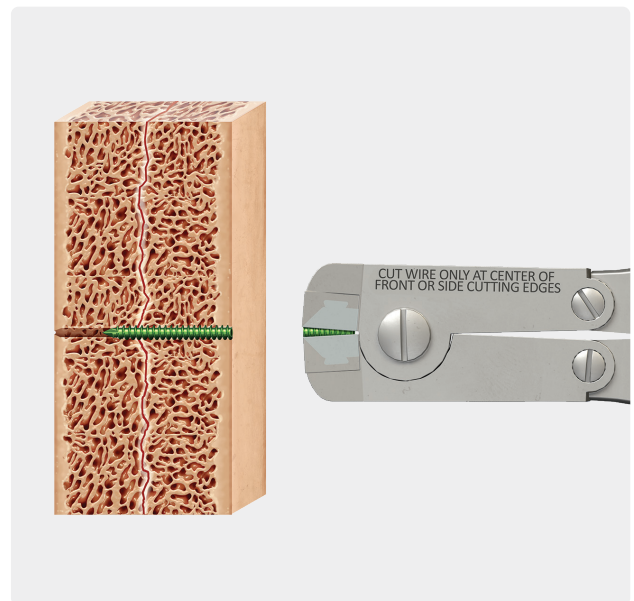
16

Advance the implant further using the locking pin driver.



17

If fixation and position is sufficient, cut the implant flush with the pin cutter.



18

Any small fragment that is cut off should be contained by the rubber inserts in the cutter.

Biologic Augmentation Options



ArthroCell™ Viable Bone Allograft

ArthroCell osteogenic, osteoinductive, and osteoconductive bone allografts deliver a 100% human-derived product that mimics the structure of native bone, provides optimal handling, and resists irrigation. The grafts are preserved in a novel DMSO-free cryoprotectant for preservation of cells, eliminating the need to rinse or decant during graft preparation.

| | |
|-----------------------------------|-------------|
| ArthroCell, 2.5 cc | ABS-2009-02 |
| ArthroCell, 5.0 cc | ABS-2009-05 |
| ArthroCell Plus allograft, 1 cc | ABS-2090-01 |
| ArthroCell Plus allograft, 2.5 cc | ABS-2090-02 |
| ArthroCell Plus allograft, 5.0 cc | ABS-2090-05 |



AlloSync™ Pure Matrix

AlloSync Pure demineralized bone matrix is derived from 100% allograft bone. Surgeons can adjust the viscosity of AlloSync Pure bone matrix to have a more flowable or putty-like consistency based on hydration ratio to readily mold into various fracture patterns or bone voids.

| | |
|----------------------|-------------|
| AlloSync Pure, 1.0cc | ABS-2010-01 |
| AlloSync Pure, 2.5cc | ABS-2010-02 |



AlloSync Putty, Gel, and Paste

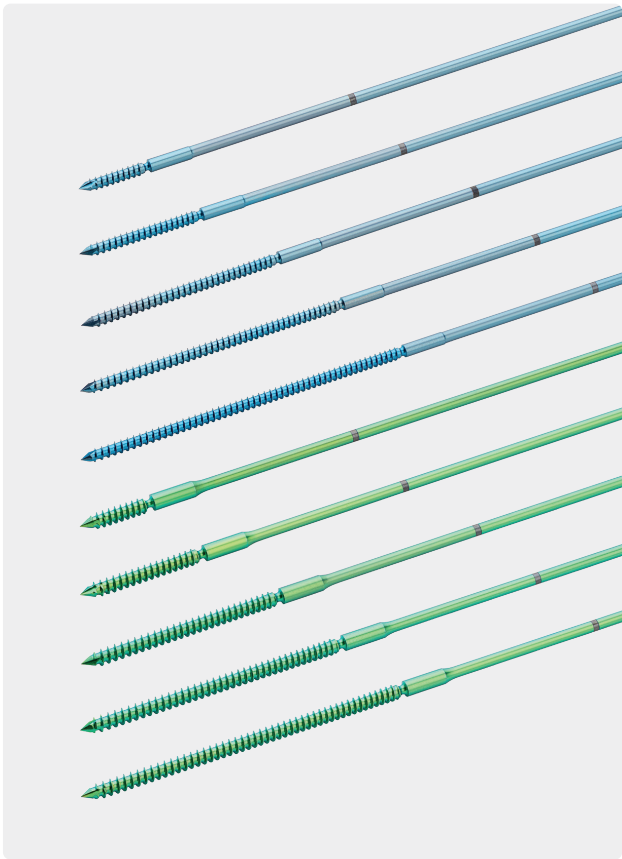
AlloSync putty, gel, and paste grafts provide ease of use with superior handling characteristics via a reverse-phase medium (RPM) carrier. Every lot of demineralized bone matrix is tested for osteoinductive potential with additional scaffolding properties provided.

| | |
|-----------------------------|-------------|
| AlloSync DBM putty, 1cc | ABS-2012-01 |
| AlloSync DBM putty, 2.5 cc | ABS-2012-02 |
| AlloSync DBM gel, 1 cc | ABS-2013-01 |
| AlloSync CB DBM paste, 1 cc | ABS-2015-01 |
| AlloSync CB DBM paste, 3 cc | ABS-2015-03 |

Ordering Information

Snap-Off Compression FT Pins (AR-9938S)

| Instruments | |
|---|---------------|
| Pin Insertion Guide | AR-9938-01 |
| Measuring Drill Guide | AR-9938-02 |
| Depth Device | AR-9938-03 |
| Locking Pin Driver | AR-9938-09 |
| Pin Cutter | AR-9938-11 |
| Cannulated Scalpel Handle, 1.35 mm | AR-9938-12 |
| Implants | |
| 1.9 mm Snap-Off Compression FT Pins, 10 mm-50 mm | AR-9919-10-50 |
| 2.4 mm Snap-Off Compression FT Pins, 10 mm-50 mm | AR-9924-10-50 |
| Compression FT Pin, solid (sterile), 1.9 mm × 30 mm | AR-9919T-30S |
| Compression FT Pin, solid (sterile), 1.9 mm × 50 mm | AR-9919T-50S |
| Compression FT Pin, solid (sterile), 2.4 mm × 30 mm | AR-9924T-30S |
| Compression FT Pin, solid (sterile), 2.4 mm × 50 mm | AR-9924T-50S |
| Disposables for 1.9 mm Snap-Off Compression FT Pins | |
| Calibrated Measuring K-Wire, 1.1 mm, qty. 6 | AR-9938-04 |
| Hard-Bone Drill, 1.5 mm, qty. 2 | AR-9938-05 |
| Pin Extractor, 1.9 mm, qty. 2 | AR-9938-08 |
| Disposables for 2.4 mm Snap-Off Compression FT Pins | |
| Calibrated Measuring K-Wire, 1.35 mm, qty. 6 | AR-9938-10 |
| Hard-Bone Drill, 1.7 mm, qty. 2 | AR-9938-06 |
| Pin Extractor, 2.4 mm, qty. 2 | AR-9938-07 |



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. Postoperative management is patient-specific and dependent on the treating professional's assessment. Individual results will vary and not all patients will experience the same postoperative activity level or outcomes.



Arthrex manufacturer, authorized representative, and importer information (Arthrex eIFUs)



US patent information