

# Features & Benefits

## *PLDLA Copolymer Material*

- Not visible on radiographs
- Superior biocompatibility
- Amorphous, non-crystalline
- Simplifies revisions
- Won't interfere with MRI or CT scans

## *Implant is One Piece Sutureless Design*

- Eliminates suture management issues
- Easy to use
- Simplifies arthroscopic technique

## *Oblong Implant Head Design*

- Prevents humeral head impingement of the glenoid rim

## *30° Angled Implants*

- Allows flush implant seating during angled insertion

## *Barbed Shaft*

- Gives unprecedented pull-out strength

## *Cannulated Implant Design*

- Cannulated Drill with Guide Wire ensures accurate implant placement
- Long Guide Wire option provides direct control of the guide wire throughout the procedure

## *TissueTak II*

### *Instrumentation Set (AR-1937S):*

TissueTak II Driver, 5 mm head, straight	AR-1935DB
TissueTak II Driver, 5 mm head, 30° angle	AR-1935DB-30
TissueTak II Guide Wire Alignment Sleeve	AR-1935AS
TissueTak II Drill Sleeve	AR-1935DS
TissueTak II Cannulated Tissue Elevator	AR-1935GU
TissueTak II Spear	AR-1936
TissueTak II Instrumentation Case	AR-1937

### *Implants & Disposables: (all single use)*

TissueTak II, 5 mm head, straight	AR-1935B
TissueTak II, 5 mm head, 30° angle	AR-1935B-30
TissueTak II Cannulated Drill	AR-1935CD
1.5 mm Guide Wire, stainless steel, qty. 6	AR-1933
TissueTak II Disposables Kit, Long Guide Wire	AR-1935S

*(includes one drill and two long guide wires)*

### *TissueTak II Instrumentation Set, Long Guide Wire (AR-1937SL) includes:*

TissueTak II Instrumentation Case	AR-1937
TissueTak II Straight Driver, Long Guide Wire	AR-1935DBL
TissueTak II Angled Driver, 30° angle, Long Guide Wire	AR-1935DBL-30
TissueTak II Drill Sleeve	AR-1935DS
TissueTak II Cannulated Tissue Elevator, unsterile	AR-1935GU
TissueTak II Guide Wire Driver, Long Guide Wire	AR-1935GWD
TissueTak II Spear, 5 mm Tear Drop Handle	AR-1936 AR-2001

# TissueTak™ II



### *Innovative Solutions in Minimally Invasive Orthopaedics*

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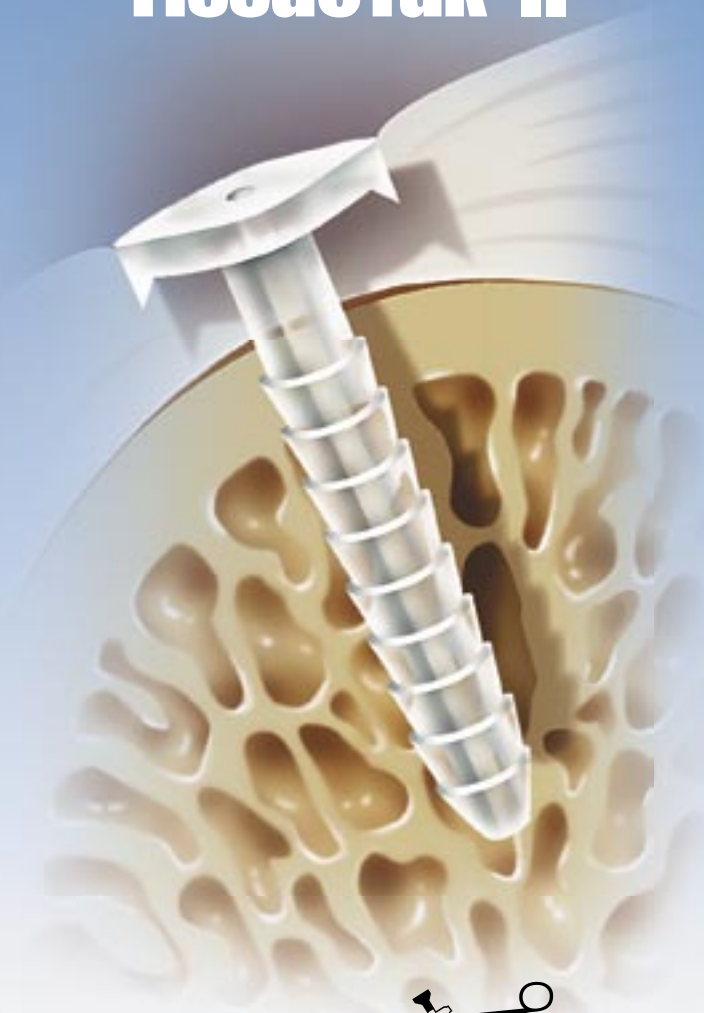
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The TissueTak II is a sutureless bioabsorbable implant designed specifically for open or arthroscopic repair of Bankart and SLAP lesions. The low profile, oval-shaped head eliminates the potential for humeral head impingement, while the 30° angled implant option allows full seating of the implant when access to the glenoid in a perpendicular plane isn't possible. The unique design of the implant shaft provides more than double the pull-out strength of other bioabsorbable tacks. *In-vitro* studies conducted for Arthrex were performed to evaluate the degradation characteristics of the TissueTak II Implant. Implant chemical and mechanical properties were tested through 12 weeks of degradation at physiological conditions. On average the implants maintained 85% of their initial pull-out strength at 12 weeks. The TissueTak II Implant is molded from a non-crystalline, amorphous PLDLA copolymer. Studies suggest that this type of material should completely degrade within 64 weeks.

## Simplified Surgical Technique

The sharp distal tip of the TissueTak II Spear is used to penetrate and shift the labrum, and the notch formed by the tip is positioned on the glenoid rim. The 1.5 mm Guide Wire is secured in the TissueTak II Cannulated Drill with the distal tip protruding slightly beyond the distal tip of the drill. Using a motorized drill, the cannulated drill is advanced through the spear into bone to the depth stop. The motorized drill is removed and the thumb screw on the cannulated drill is loosened. A mallet is used to advance the guide wire into bone until it is flush with the back of the cannulated drill. The cannulated drill and spear are removed leaving the guide wire in place. The TissueTak II Implant is placed over the guide wire and the TissueTak II Driver is used to advance it through tissue and securely into the glenoid using a mallet. Remove the guide wire.

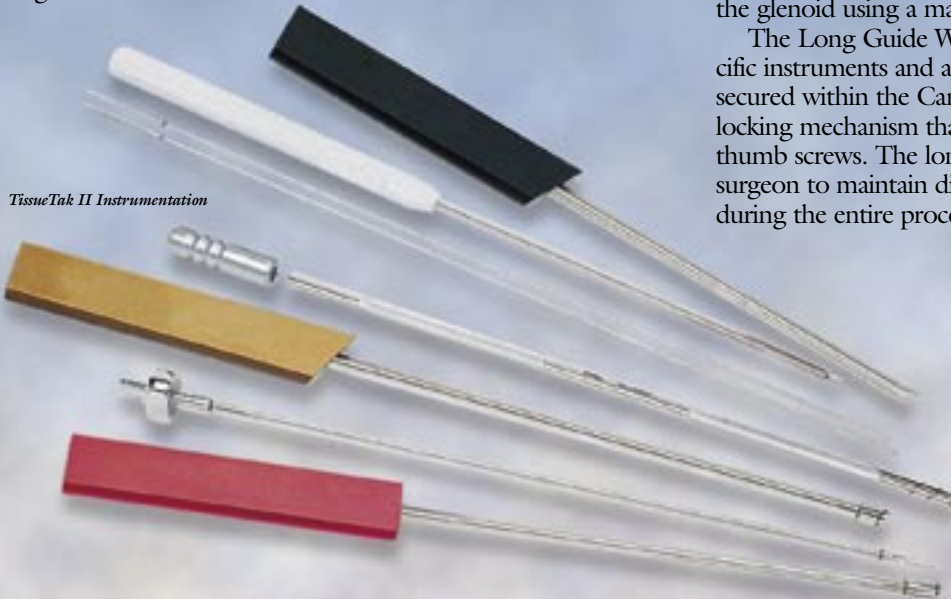
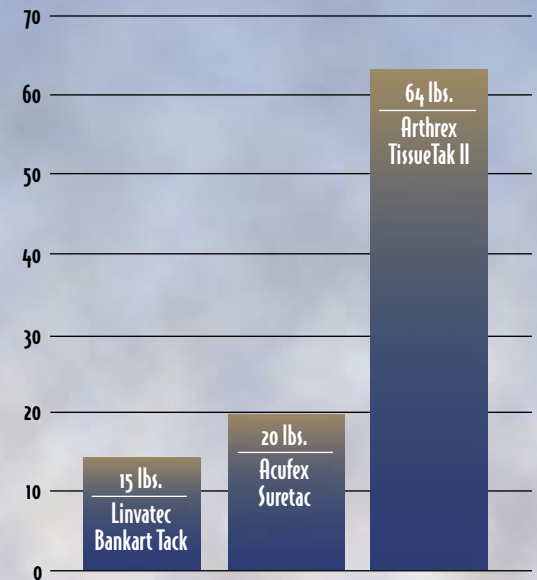
The Long Guide Wire option includes specific instruments and a new long guide wire that is secured within the Cannulated Drill using a unique locking mechanism that eliminates screwdrivers and thumb screws. The longer guide wire allows the surgeon to maintain direct control of the guide wire during the entire procedure.

## Unsurpassed Pull-Out Strength

Contrary to other bioabsorbable suture anchor implants that are susceptible to breakage during insertion and have low pull-out strength, lab testing of the TissueTak II shows that it withstands up to 64 pounds of pull-out force to failure. Biomechanical testing shows that pull-out strength of the Suretac by Acufex is only 20 pounds and the Bionx Bankart Tack is only 15 pounds.

*The chart below illustrates this testing.*

### Implant Comparison



TissueTak II Instrumentation

Actual size of 5.0 mm TissueTak II, straight & 30° angle

