

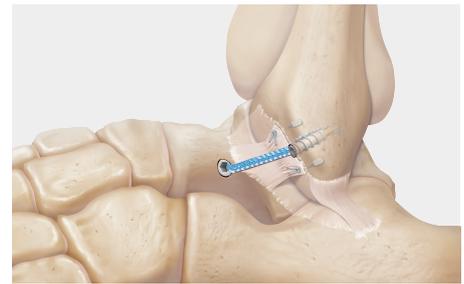
# Distal Extremity Suture Anchors



## FiberTak® Anchors

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The FiberTak product line consists of all-suture anchors loaded with FiberWire or SutureTape suture. The new ergonomic handle makes it easy to insert and set the FiberTak suture anchor. The suture release tab is easily pulled off the handle to release the sutures and effortlessly remove the inserter.



## SwiveLock® Anchors

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The SwiveLock product line consists of fully threaded, twist-in knotless anchors. Designed for use with FiberWire suture, SutureTape, and soft-tissue grafts in repair and reconstruction techniques, these anchors are versatile and easy to use. Tension is visualized, adjusted, and locked into position with the SwiveLock anchor body. The anchors are available in bioabsorbable biocomposite, nonabsorbable PEEK, or titanium materials.



## SutureTak® Anchors

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The SutureTak family of tap-in anchors allows for straightforward insertion. Predrill, tap the anchor into place, and secure the soft tissues with the preloaded FiberWire suture. The unique suture eyelet maintains its strength throughout most of the degradation cycle and eliminates abrasion during knot tying.<sup>1</sup> SutureTak anchors are available in bioabsorbable biocomposite material.



## PushLock® Anchors

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Optimize tensioning and fixation without knot tying. Accommodating sutures ranging in size from 4-0 FiberWire to 1.5 mm LabralTape suture, this two-piece anchor enables a no-profile repair that is quick and straightforward. PushLock anchors are available in bioabsorbable biocomposite and nonabsorbable PEEK materials.



## Corkscrew® Anchors

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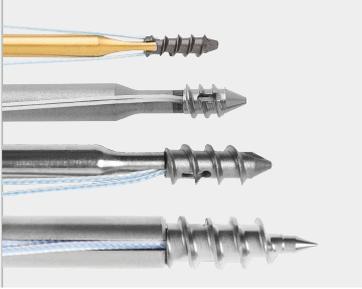
The family of fully threaded Corkscrew suture anchors was designed for maximum fixation strength and simple insertion. An internal drive mechanism is combined with a unique FiberWire suture eyelet to allow for continuous threads along the entire length of the anchor. The anchor sits flush with the cortical bone surface, providing excellent fixation strength.<sup>4</sup> Corkscrew anchors are available in biocomposite and titanium.



# Arthrex Anchors at a Glance

**Titanium Anchors**

Material:  
Titanium



**Fully Threaded Corkscrew® FT Anchors**

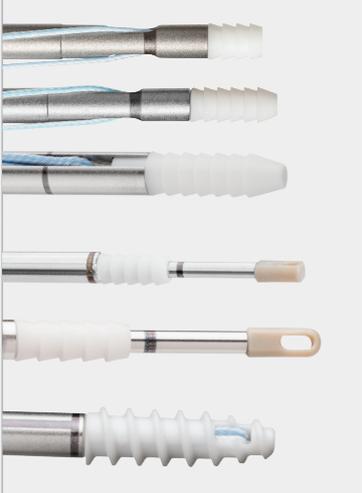
- 1.7 mm × 5 mm Nano Corkscrew FT Anchor
- 2.2 mm × 4 mm Micro Corkscrew FT Anchor
- 2.7 mm × 7 mm Mini Corkscrew FT Anchor
- 3.5 mm × 10 mm Corkscrew FT Anchor

**Actual Size**



**Absorbable Anchors**

Materials:  
PLLA (poly(L-lactide))  
PLDLA (poly(L-lactide-co-D, L-lactide))  
Biocomposite (PLDLA + β-TCP)



**SutureTak® Anchors**

- 2.4 mm × 6.5 mm Micro SutureTak Anchor
- 2.4 mm × 8.5 mm Mini SutureTak Anchor
- 3 mm × 14 mm Small Joint SutureTak Anchor



**BioComposite PushLock® Anchors**

- 2.5 mm × 8 mm BioComposite PushLock Anchor
- 2.9 mm × 12.5 mm BioComposite PushLock Anchor



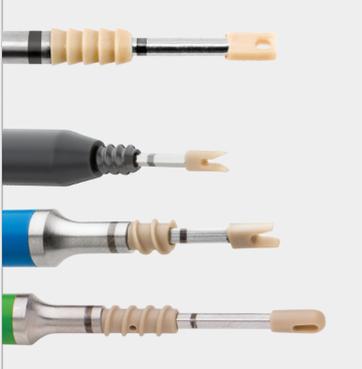
**Bio-Corkscrew® FT Anchor**

- 4.5 mm × 14 mm BioComposite Corkscrew FT Anchor



**Nonabsorbable Anchors**

Material:  
PEEK (polyetheretherketone)



**PEEK PushLock® Anchor**

- 2.5 mm × 8 mm PEEK PushLock Anchor



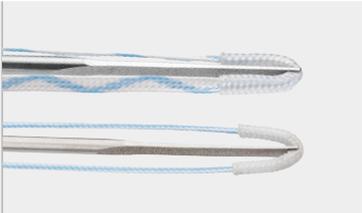
**PEEK SwiveLock® Anchors**

- 2.5 mm × 7 mm Nano SwiveLock® Anchor
- 3.5 mm × 8.5 mm DX SwiveLock SL Anchor
- 3.5 mm × 13.5 mm DX SwiveLock Anchor



**All-Suture Anchors**

Material:  
UHMWPE (ultra-high-molecular-weight polyethylene)



**FiberTak® Anchors**

- 1.35 mm or 1.6 mm DX FiberTak Anchor
- 1.35 mm of 1.6 mm FiberTak Anchor



# InternalBrace™ Ligament Augmentation Repair

Foot and Ankle



- *InternalBrace* 2.0 ligament augmentation – optimized instrumentation and more size and material options
- Drill, tap, and implant through the talus offset guide
- Accelerated rehabilitation for ankle instability<sup>3,4</sup>
- Biomechanically superior to standard Broström repair<sup>5</sup>

## InternalBrace 2.0 Ligament Augmentation Repair

Product Description	Item Number
<i>InternalBrace</i> Ligament Augmentation Repair Mini, 3.5 mm PEEK SwiveLock anchors, qty. 2	AR-1787PJ-CP
<i>InternalBrace</i> Ligament Augmentation Repair Plus, 4.75 mm BioComposite SwiveLock anchors, qty. 2	AR-1789J-CP
<i>InternalBrace</i> Ligament Augmentation Repair Standard, 4.75 mm/3.5 mm PEEK SwiveLock anchors	AR-1788PJ-CP
<i>InternalBrace</i> Ligament Augmentation Repair Standard, 4.75 mm/3.5 mm BioComposite SwiveLock anchors	AR-1788J-CP

## DX FiberTak® Anchors and Disposable Kit

Product Description	Item Number
DX FiberTak Anchor With SutureTape	AR-8990ST
DX FiberTak Suture Anchor Double Loaded With SutureTape	AR-8990ST-2
DX FiberTak Disposable Kit	AR-8990DS

## DX FiberTak Pullout Strength<sup>6</sup>:

- 48 lbs with 1.35 mm drill
- 36 lbs with 1.6 mm drill



DX FiberTak Anchor with SutureTape



The *InternalBrace* surgical technique is intended only to augment the primary repair/reconstruction by expanding the area of tissue approximation during the healing period and is not intended as a replacement for the native ligament. The *InternalBrace* technique is for use during soft tissue-to-bone fixation procedures and is not cleared for bone-to-bone fixation.

# InternalBrace™ Ligament Augmentation Repair

Hand and Wrist

- Time-tested SwiveLock® anchor and SutureTape technology
- Proven to be 4 times stronger than a repair alone<sup>7</sup>
- Return patients to activity faster with the potential for an accelerated rehab protocol<sup>5</sup>

Hand and Wrist *InternalBrace* Ligament Augmentation Repair Convenience Kit

Product Description	Item Number
Implant System	AR-8978-CP

SwiveLock Anchors and Disposables Kit

Product Description	Item Number
DX SwiveLock SL Anchor, 3.5 mm × 8.5 mm	AR-8978P
DX SwiveLock SL Disposable Kit	AR-8978DS-01
Nano SwiveLock Anchor, 2.5 mm × 7 mm	AR-8998T
Nano SwiveLock Disposable Kit	AR-8998DS
Suture (Surgeon-Dependent)	
SutureTape	AR-7500
2-0 FiberLoop® Suture With Tapered Needle	AR-7232-05
3-0 FiberWire® Suture With Tapered Needle	AR-7227-01



2.5 mm × 7 mm Nano SwiveLock Anchor



3.5 mm × 8.5 mm DX SwiveLock SL Anchor

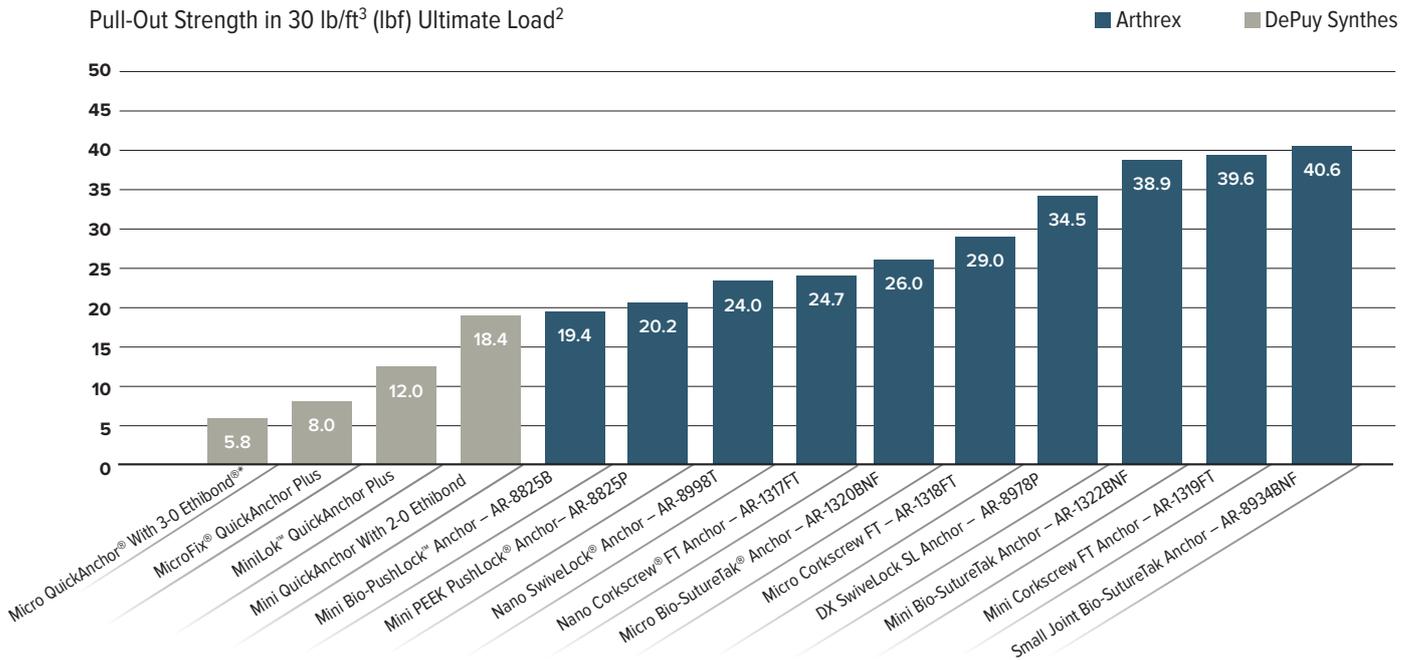
The *InternalBrace* surgical technique is intended only to augment the primary repair/reconstruction by expanding the area of tissue approximation during the healing period and is not intended as a replacement for the native ligament. The *InternalBrace* technique is for use during soft tissue-to-bone fixation procedures and is not cleared for bone-to-bone fixation.

## Anchors Reference Chart

Nano Anchor			Micro Anchors				
Anchor	 Nano SwiveLock® Anchor	 Nano Corkscrew® FT Anchor	Anchor	 Micro Corkscrew FT Anchor	 Micro Corkscrew FT Anchor	 Micro BioComposite SutureTak® Anchor	
Product Number	AR-8998T	AR-1317FT	Product Number	AR-1318FT-40	AR-1318FT	AR-1320BCNF	
Inner Dimension	1.8 mm	1.1 mm × 5 mm	Inner Dimension	1.6 mm × 4 mm	1.6 mm × 4 mm	1.8 mm × 6.5 mm	
Outer Dimension	2.5 mm × 7 mm	1.7 mm × 5 mm	Outer Dimension	2.2 mm × 4 mm	2.2 mm × 4 mm	2.4 mm × 6.5 mm	
Suture Size	Up to SutureTape	3-0	Suture Size	4-0	2-0	2-0	
Number of Sutures	N/A	One with needles	Number of Sutures	One with needles	One with needles	One with needles	
Drill Size	2.0 mm and 2.2 mm	1.35 mm and 1.6 mm	Drill Size	1.1 mm and 1.7 mm	1.1 mm and 1.7 mm	1.8 mm and 2.0 mm	
Material	Titanium	Titanium	Material	Titanium	Titanium	Biocomposite	
Drill Included	No (order AR-8998DS)	Yes	Drill Included	Yes	Yes	No (order AR-1320DSC)	
Mini Anchors			Medium Anchors				
Anchor	 DX FiberTak® Suture Anchor	 DX FiberTak Suture Anchor	 DX FiberTak Suture Anchor	 Mini BioComposite SutureTak Anchor	 Mini BioComposite PushLock® Anchor	 Mini PEEK PushLock Anchor	 Mini Corkscrew FT Anchor
Product Number	AR-8990	AR-8990ST	AR-8990ST-2	AR-1322BCNF	AR-8825BC	AR-8825P	AR-1319FT
Inner Dimension	N/A	N/A	N/A	1.8 mm × 8.5 mm	1.5 mm × 8 mm	1.5 mm × 8 mm	2.0 mm × 7 mm
Outer Dimension	N/A	N/A	N/A	2.4 mm × 8.5 mm	2.5 mm × 8 mm	2.5 mm × 8 mm	2.7 mm × 7 mm
Suture Size	#1	1.3 mm SutureTape	0.9 mm SutureTape	2-0	Two of either 2-0 or 0 suture <sup>1</sup>	Two of either 2-0 or 0 suture <sup>1</sup>	2-0
Number of Sutures	One with needles	One with needles	Two with needles	One with needles	N/A	N/A	One with needles
Drill Size	1.35 mm and 1.6 mm	1.35 mm and 1.6 mm	1.35 mm and 1.6 mm	1.8 mm and 2.0 mm	1.8 mm and 2.0 mm	1.8 mm and 2.0 mm	1.8 mm and 2.2 mm
Material	UHMWPE	UHMWPE	UHMWPE	Biocomposite	Bio	PEEK	Titanium
Drill Included	No (order AR-8990DS)	No (order AR-8990DS)	No (order AR-8990DS)	No (order AR-1322DSC)	No (order AR-1322DSC)	No (order AR-1322DSC)	Yes
Anchor	 BioComposite PushLock Anchor	 Small Joint BioComposite SutureTak	 Small Joint BioComposite SutureTak	 Small Joint BioComposite SutureTak Anchor	 Small Joint BioComposite SutureTak Anchor	 Corkscrew FT Anchor	 Corkscrew FT Anchor
Product Number	AR-8923BC	AR-8934BCST	AR-8934BCST-2	AR-8934BCNF-00	AR-8934BCNF	AR-1915FT	AR-1915FT-2
Inner Dimension	2.3 mm × 12 mm	2.2 mm × 14 mm	2.2 mm × 14 mm	2.2 mm × 14 mm	2.2 mm × 14 mm	2.5 mm × 10 mm	2.5 mm × 10 mm
Outer Dimension	2.9 mm × 12 mm	3 mm × 14 mm	3 mm × 14 mm	3 mm × 14 mm	3 mm × 14 mm	3.5 mm × 10 mm	3.5 mm × 10 mm
Suture Size	Two of either 2-0 or 0 suture <sup>1</sup>	1.3 mm SutureTape	0.9 mm SutureTape	0	#1	0	#1
Number of Sutures	N/A	One with needles	Two with needles	Two with needles	One with needles	Two with needles	One with needles
Drill Size	2.8 and 2.9 mm	2.4 mm	2.4 mm	2.4 mm	2.4 mm	2.3 mm K-wire	2.3 mm K-wire
Material	Biocomposite	Biocomposite	Biocomposite	Biocomposite	Biocomposite	Titanium	Titanium
Drill Included	No (order AR-8923DSC)	No (order AR-8934DSC)	No (order AR-8934DSC)	No (order AR-8934DSC)	No (order AR-8934DSC)	Yes	Yes
Medium Anchors			Large Anchors				
Anchor	 DX SwiveLock® SL Anchor (forked eyelet)	 DX SwiveLock Anchor (closed eyelet)	Anchor	 BioComposite Corkscrew FT Anchor			
Product Number	AR-8978P	AR-8979P	Product Number	AR-8927BC			
Inner Dimension	2.7 mm × 8.5 mm	2.7 mm × 13.5 mm	Inner Dimension	3.4 mm × 15 mm			
Outer Dimension	3.5 mm × 8.5 mm	3.5 mm × 13.5 mm	Outer Dimension	4.5 mm × 15 mm			
Suture Size	Up to one 2.5 mm graft	0 or larger	Suture Size	#1			
Number of Sutures	N/A	N/A	Number of Sutures	One with needles			
Drill Size	3.0 mm and 3.5 mm	3.0 mm and 3.4 mm	Drill Size	3.5 mm Drill, Tap			
Material	PEEK	PEEK	Material	Biocomposite			
Drill Included	No (order AR-8978DS-01)	No (order AR-8979DS)	Drill Included	No (order AR-8927DSC)			

\*Sold separately.

## Pull-Out Strength

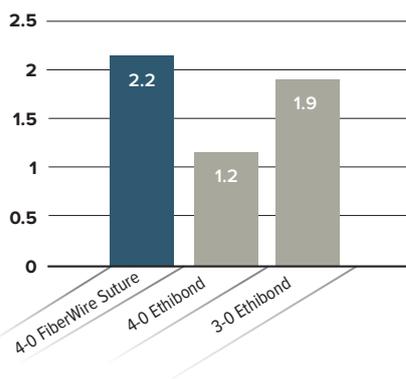


## Suture Strength and Elongation

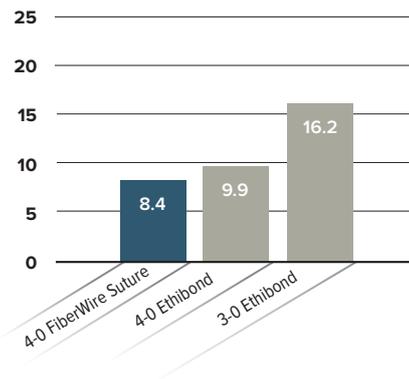
When comparing 4-0 FiberWire sutures to 4-0 and 3-0 Ethibond, FiberWire sutures had significantly higher knot pull strength.<sup>7</sup>

When comparing 4-0 FiberWire sutures to 4-0 and 3-0 Ethibond, FiberWire sutures had a significantly lower percentage of elongation at yield load.<sup>8</sup>

Knot Strength (kgf)



Percent Elongation at Yield Load



### References

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3. Coetzee JC, Ellington JK, Ronan JA, Stone RM. Functional results of open Brostrom ankle ligament repair augmented with a suture tape. *Foot Ankle Int.* 2018;39(3):304-310. doi:10.1177/1071100717742363
4. Kulwin R, Watson TS, Rigby R, Coetzee JC, Vora A. Traditional modified Broström vs suture tape ligament augmentation [published online ahead of print, 2021 Jan 23]. *Foot Ankle Int.* 2021;1071100720976071. doi:10.1177/1071100720976071
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6. Arthrex, Inc. Data on file (APT-03508). Naples, FL; 2018.
7. Shin S, van Eck CF, Uquilas C. Suture tape augmentation of the thumb ulnar collateral ligament repair: a biomechanical study. *J Hand Surg Am.* 2018;43(9):868. doi:10.1016/j.jhsa.2018.02.002
8. Arthrex, Inc. Data on file (APT 2696). Naples, FL; 2015.

\*Ethibond is a trademark of Johnson & Johnson.



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.

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