



BIOABSORBABLE SUTURE ANCHOR

BA | BIOABSORBABLE ANCHOR

# ARTHROVFIX<sup>®</sup>



 **SPORT  
MEDICINE**  
ADVANCED TECHNOLOGY

# BIOABSORBABLE SUTURE ANCHOR

Designed specially for rotator cuff repair and biceps tenodesis.

**ARTHROFIX** is a bioabsorbable suture anchor mounted on a single-use screwdriver assembled with two sutures composed of UHMWPE (USP2).

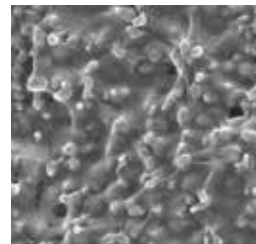


## COMPOSITION

Bioabsorbable biocomposite polymer:  
70% **PLA** (Polylactic Acid)  
30% of **β-TCP** (tricalcium phosphate).

β-TCP particles are sub-micron sized and homogeneously distributed within the PLA matrix, in addition, they are agglomerates free for a better bone integration.

TCP keeps a neutral pH by buffer effect, the resorption speed is thus increased without risk of inflammation.



PLA / β-TCP composite  
(x10 000 MET)\*



Distortion of the thread during resorption \*

■ Bone growth      ■ Implant

## INSERTION



Threading\*



Easy implantation\*



## ADVANTAGES

- BIOCOMPOSITE
- HOMOGENEOUS PLA/TCP POLYMER
- BIOCOMPATIBLE
- DOUBLE THREAD
- RESORPTION SPEED CONTROLLED
- HIGH MECHANICAL PROPERTIES

## PROPERTIES

Its **double thread** allows an increase of the pull out strength of the anchor.

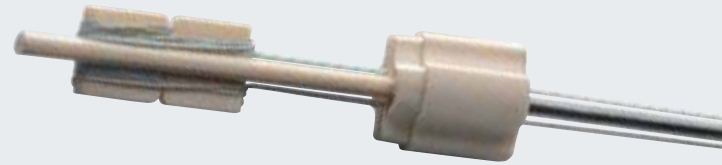
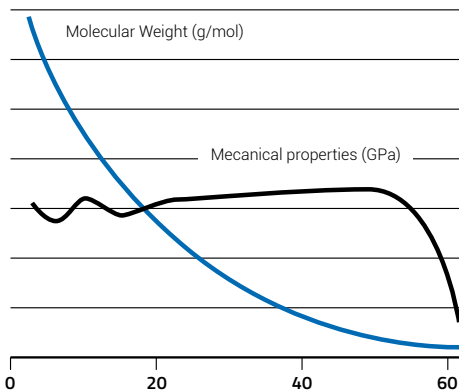
High mechanical properties improved by the **homogeneous distribution of the TCP particles** within the PLA matrix.

### Biocompatible

**Controlled resorption speed** thanks to PLA material which degrades through hydrolysis and TCP particules which increase resorption speed.

**Mechanical properties are maintained for 6 months** and the anchor is no longer detectable after **24 months**.

### RESORPTION+ (weeks)



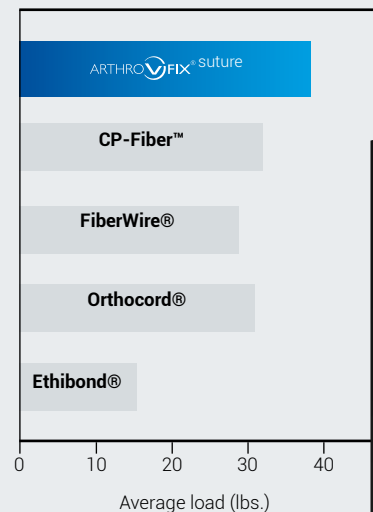
## SUTURE

The USP2 sutures are made of UHMWPE (Ultra High Molecular Weight Poly Ethylene) Each suture is maintained in a dedicated handle which prevents them from becoming tangled.

### PROPERTIES

- High tensile strength
- Suture material and braiding make sliding smoother, but once in position knots are strongly tightened.
- The sutures allow tighter loop security during the tying process and superior knot break strength than competitors.

### Knot Tensile strength



## SUTURE ADVANTAGES

- HIGH TENSILE STRENGTH
- SMOOTH KNOT SLIDING
- THREADS CANNOT BECOME ENTANGLED
- SOLIDITY AND SECURITY OF THE SUTURES



## STORAGE

ARTHROFIX must be stored in its original unopened packaging, in a clean and dry place, at ambient temperature (maximum 37°C).

## PRODUCTS & INSTRUMENTATION

ARTHROFIX anchor is packaged in a blister itself sealed in an aluminum pouch and sterilized by ethylene oxide.

Single use. Do not re-sterilize.

Instrumentation for arthroscopic procedures is available.  
ARTHROFIX must be used with the corresponding tap supplied by VIMS.

**For any further information, please refer to the IFU.**

DESIGNATION	Size	Reference
ARTHROFIX Ø 5.5 ANCHOR	5,5	10001398-1
ARTHROFIX Ø 6.5 ANCHOR	6,5	10001398-2
TAP ARTHROFIX Ø5.5	5,5	TARAUD_5.5
TAP ARTHROFIX Ø6.5	6,5	T067231

**0086**  
CLASS III / ARTHROFIX

**CLASS I NON STERILE / INSTRUMENTATION**

\*Data provided by the manufacturer

Document design date : February 2020 - Range : Bioabsorbable suture anchor -  
Manufacturer : TEKNIMED - Brand Name : ARTHROFIX - Medical Device Class:III  
CE Mark N°: 0086 - Manufacturer : VIMS - Brand Name : Pointeau taraud  
ARTHROFIX - Medical Device Class : I non sterile - User : Health professional  
Indications : Rotator cuff repair and biceps tenodesis - Recommendations for  
use: it is highly recommended to read the labels and the IFU.



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