

Weldix[®] Suture Anchor System

Excellent Anchorage Fully Resorbable Small Footprint Fast and Easy to Use



Wide range of indications

2.3 mm and 3.0 mm Anchors

	Weldix* 2.3 mm Anchor	Weldix* 2.0 mm Anchor
Diameter	2.3 mm	3.0 mm
Length	7.2 mm	8.7 mm
Material	PLDLLA	PLDLLA & BTCP
Drill Footprint	1.8 mm x 8.5 mm	2.3 mm x 12 mm



Choose your preferred suture

The Weldix[®] Anchor can be utilized with the following sutures:

Weldix [®] Anchor	Suture Type	Suture Size	
Weldix [®] 2.3 mm	Monofilament, resorbable, single loaded		
	Polyglyconate (copolymer of glycolic acid / trimethylene carbonate copolymer)	USP #2/0 to #2	
	Monofilament, non-resorbable, single loaded		
	Polypropylene	- USP #2/0 to #1	
	Polymide 6 and 6.6		
	Multifilament, non-resorbable, single loaded		
	Polyester (polyethylene terephthalate)	USP #3/0 to #2	
	UHMWPE/polyester	USP #4/0 to #2	
Weldix [®] 3.0 mm	Monofilament, non-resorbable, single loaded		
	Polypropylene	USP #2 to #5	
	Multifilament, non-resorbable, single loaded		
	Polyester (UHMWPE & polyethylene terephthalate)	USP #2 to #5	
	Polyester Tape	Up to 2 mm	
	Multifilament, non-resorbable, double loaded		
	Polyester (UHMWPE & polyethylene terephthalate)	USP #2	
	Polyester Tape	Up to 1.5 mm	



The Weldix[®] Anchor is fully weight bearing for 6 months

The Weldix[®] polymer material is resorbed and substituted by natural bone within 12–24 months through a process of hydrolysis

The polymer of the Weldix[®] Anchor is fully weight bearing for 6 months. Through a process of hydrolysis, the polymer is resorbed and transformed into natural bone within 24 months.



6 months post OP – polymer mass is still intact



12 months post OP – Main phase of polymer degradation with gradual mass loss and load transfer

Small Footprint and Superior Pull-Out Strength

The Weldix[®] Suture Anchor requires only half the pilot hole size compared to standard anchors of similar pull-out strength.



Fast and Easy to use

The insertion of the anchor takes only a few seconds

Ultrasonic energy is employed to liquefy the Weldix[®] Suture Anchor at the interface with bone tissue.

The liquid polymer flows into the marrow space of the surrounding cancellous bone where it is immediately quenched and provides strong anchorage of the implant.

The thermal impact on the bone is minimal and does not disturb bone healing and osseointegration.



Weldix[®] Suture Anchor System

Fast & Easy to use



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The Weldix[®] Suture Anchor System consists of resorbable suture anchors that are fused into the bone with an ultrasound powered handpiece. Other VetWelding products, like the Resorb plates and pins and the Hylock System, can be applied with the same system.

Ergonomic, battery powered BOS drill





Literature and Reference

- 1. Schuenemann 2021 Biceps Tenodesis with a bioabsorbable bone anchor using BoneWelding Technology 5 clinical cases with the Weldix[®] Anchor.
- 2. Koch et al 2021 Comparison of Extracapsular Stabilization Techniques Using an Ultrasonically Implanted Absorbable Bone Anchor (Weldix) after Cranial Cruciate Ligament Rupture in Cats – An In Vitro Study.
- Kastenberger et al 2020 Clinical results of the BoneWelding[®] Fiji[®] anchor for the treatment of Stener lesions of the thumb (Fiji[®] anchor is the human equivalent anchor to Weldix[®] 2.3 mm Anchor).

- Langhoff 2009 An Ultrasound Assisted Anchoring Technique (BoneWelding Technology) for Fixation of Implants to Bone – A Histological Pilot Study in Sheep (Biocompatibility, animal data performance).
- 5. Wagner 2017 Biomechanical in vitro comparison of suture anchors for thumb UCL repair paper on the Fiji[®] Anchor (the human equivalent anchor to Weldix[®] 2.3 mm Anchor).
- Ferguson 2006 Enhancing the mechanical integrity of the implant bone interface with BoneWelding[®] – paper on BoneWelding[®] Technology.
- 7. Source: J. D. Langhoff, 'Anchoring implants into bone an in viva approach'.

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