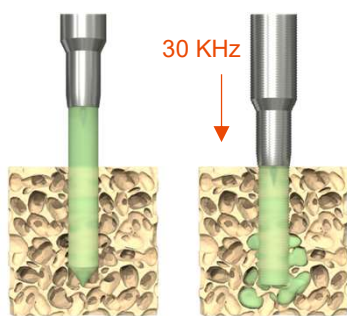
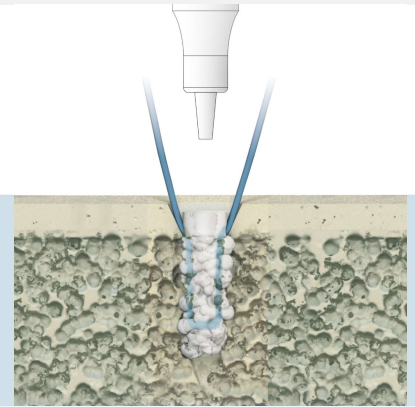


Weldix[®] Suture Anchor

Revolutionizing Animal Orthopedics

The revolutionary ultrasonic micro-suture anchor provides excellent anchorage even in absence of cortical bone. The Weldix[®] 2.3mm Anchor is a fully bioresorbable implant designed for reconstruction, reattachment and repair of soft tissue to bone by means of suture material.



BoneWelding[®] Fixation

The BoneWelding[®] technology employs ultrasonic energy to liquefy the polymeric components of the Weldix[®] 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 a 3D anchorage of the implant.

The thermal impact on the bone is minimal. The short ultrasonic impulse (1 second) and the localized liquefaction of the polymer disturb neither bone healing nor osseointegration.

Weldix[®] 2.3 mm Anchor

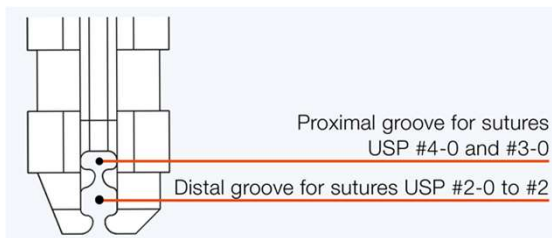
The Weldix[®] 2.3mm Anchor is made of biocompatible and fully bioresorbable Polylactide (PLDLLA 70:30). The “in-vivo” degradation of the Weldix[®] 2.3mm Anchor is based on the natural physiological process of hydrolysis, which results in a complete metabolization of the polymer into H₂O and CO₂. The Anchor is 2.3 mm in diameter and 7.2 mm in length and requires a drill hole of 1.8 mm in diameter and 7.6 mm in depth.



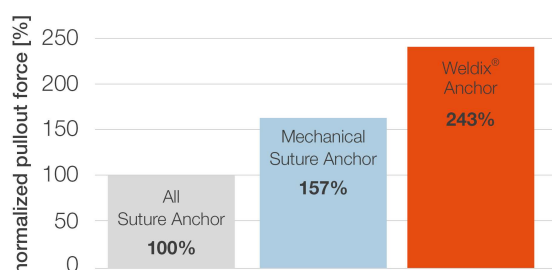
Suture Compatibility

The Weldix[®] 2.3mm Anchor can be combined using the suture types listed in the subsequent table. The sutures are not included in the package and are sold separately.

The Weldix[®] 2.3mm Anchor features two transverse, apical “click-in” grooves to position the suture before implantation.



Suture Type	Suture Size
Monofilament, resorbable	
Polyglyconate (copolymer of glycolic acid /trimethylene carbonate copolymer)	USP #2-0 to #2
Monofilament, non-resorbable	
Polypropylene	USP #2-0 to #1
Polyamide 6 and 6.6	
Multifilament, non-resorbable	
Polyester (polyethylene terephthalate)	USP #3-0 to #2
UHMWPE/polyester	USP #4-0 to #2



Weldix[®] Anchor Pullout Strength

All-Suture Anchor: Anchor made from suture only, forming a knot in the bone while tightening

Mechanical Suture Anchor: Titanium anchor having mechanical retention structures like barbs or threads to create a hold in bone

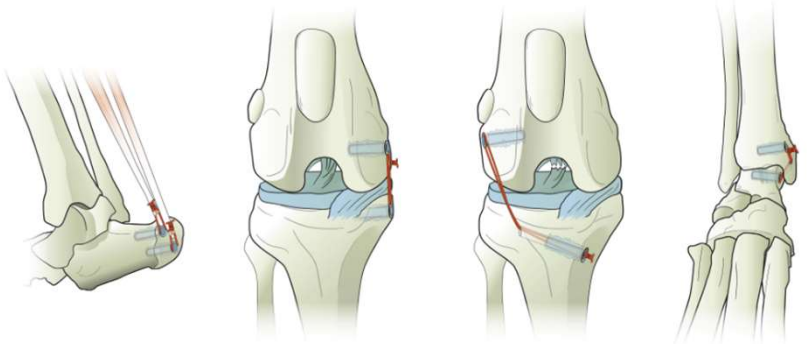
The Weldix[®] Anchor maintains mechanical strength for at least 6 months.

Indications

The Weldix[®] Anchor System is intended to be used for suture or tissue fixation in several procedures in cats and dogs. The Weldix[®] 2.3mm Anchor is designed only to be inserted with the BoneWelder[®] Vet system.

Indications include:

- Hip luxation (capsule repair, ligamentum teres femoris repair)
- Tarsal collateral ligament reconstruction
- Reattachment of achilles tendon
- CCL extracapsular fixation
- Knee collateral ligament



VetWelding[®] Ultrasonic System and Instruments



BoneWelder[®] Vet Ultrasonic Device and Handpiece

The ultrasonic energy for the implantation of the Resorb pin and plate is provided by the BoneWelder[®] Vet ultrasonic generator and applied via the attached handpiece.

Wrench



The wrench helps you to mount the sonotrode properly on the handpiece making sure the connection is tight for an appropriate transfer of the ultrasonic energy into the implant.

Sonotrode



The sonotrode (handpiece tip) is mounted on the handpiece. It transmits the ultrasonic energy to the Weldix[®] 2.3mm Anchor.

Drill Bit



The drill bit (with or without drill stop) is sized specifically for the Weldix[®] 2.3mm Anchor. It helps ensure safe and easy handling of the implants and correct implantation.

About VetWelding AG

VetWelding AG is a Swiss veterinary orthopedic company founded in 2017. We are dedicated to providing innovative implants and solutions for trauma and degenerative disorders in the animal musculo-skeletal system.

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