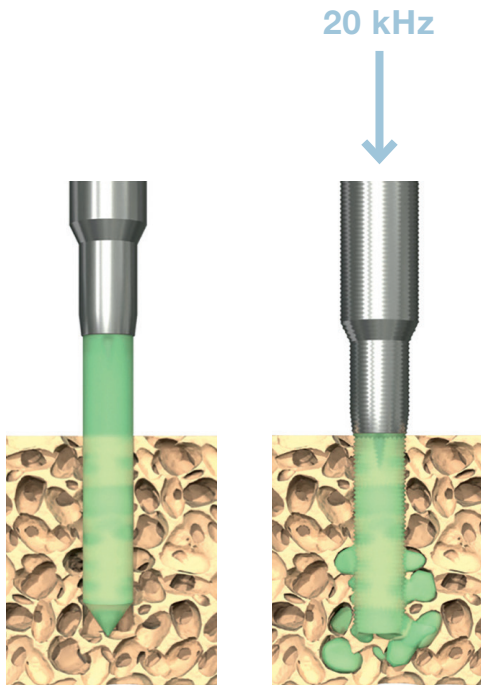


BoneWelding® Fixation

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 melting of the polymer neither disturb bone healing nor osseointegration.

About VetWelding AG

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

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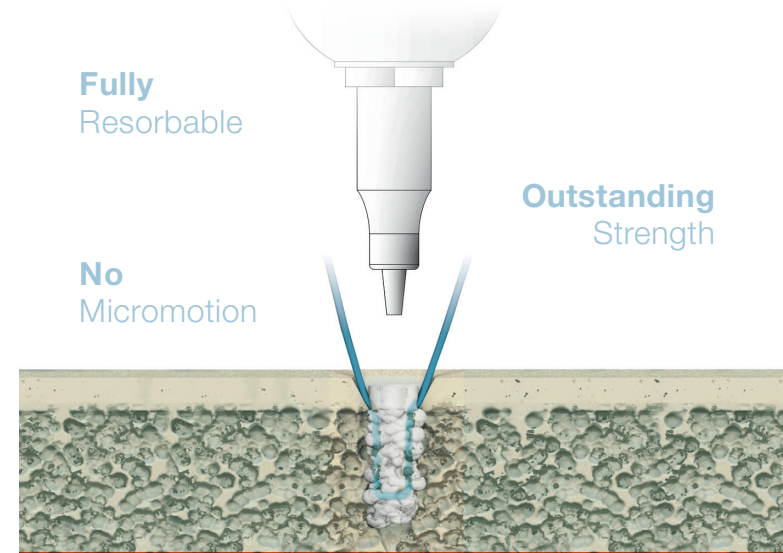
*For trademark information please refer to www.vetwelding.com/about-us
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Fully
Resorbable

No
Micromotion

Outstanding
Strength



VetWelding® Weldix® 2.3mm Anchor

The revolutionary ultrasonic micro-suture anchor
Providing excellent anchorage – even in absence of
cortical bone

Revolutionizing Animal Orthopedics

VetWelding® Weldix® 2.3 mm Anchor

The VetWelding® Weldix® Anchor is made of biocompatible and fully bioresorbable Polylactide (PLDLLA 70:30). The “in-vivo” degradation of the Weldix® Anchor is based on the natural physiological process of hydrolysis, which results in a complete metabolization of the polymer into H₂O and CO₂.

The Weldix® 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 7.3 mm in depth.

Suture

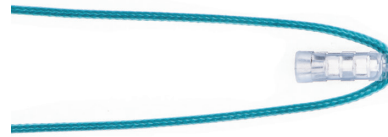
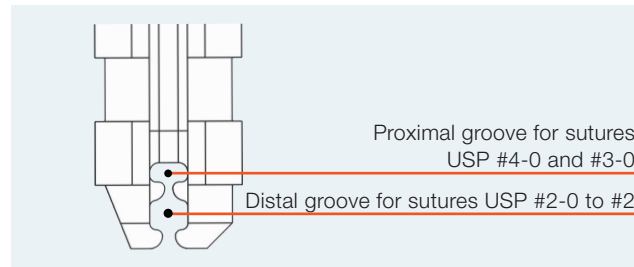
The Weldix® Anchor can be combined using the following sutures:

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

Sutures are not included in the package. The Weldix® Anchor features two transversal, apical “click-in” grooves for positioning of the suture before implantation.



Weldix® 2.3 mm Anchor

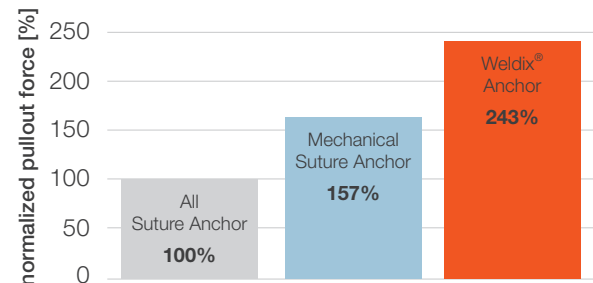


Indication

The anchor is indicated for several procedures in cats and dogs such as:

- Hip luxation (capsule repair, ligamentum teres femoris repair)
- Tarsal collateral ligament repair
- Achilles tendon repair
- CCL extracapsular repair
- Knee collateral ligament repair
- Elbow / Shoulder luxation repair

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

VetWelding® Ultrasonic System

The ultrasonic energy for the implantation of the Weldix® Anchor is provided by the BoneWelder® Vet ultrasonic generator and applied via the attached handpiece.



Handpiece and Sonotrode

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



Drill

The twist drill (with or without drill stop) is used with the Weldix® Anchor. It guarantees safe and easy handling.

