



# PRODUCT CATALOGUE 2022

The Integrative Approach to Your Surgical Practice



# About us

VetWelding AG is a Swiss veterinary orthopedic company established in 2017. Our vision is to provide innovative options for treatment of trauma and degenerative disorders in the animal musculoskeletal system. In our everyday work, we look to bring new, integrative technologies into veterinary orthopedic and OMF surgery.

With a shared love of animals and the healing process, the team at VetWelding has come together to take veterinary medicine to the next level. Our aim is to share that passion by creating world-class medical products and to provide supportive, inclusive educational opportunities for the veterinary surgical team. Nothing makes us happier than the success of our clients and the health of their patients.

## **Quality Assurance**

Maintaining standards comparable to those used in human surgical practice has always been integral to our daily work. Regardless of the type of patient, medical safety and quality are non-negotiable. Therefore, all our manufacturing partners meet the international standard for quality management systems for medical devices (ISO 13485) to ensure best practices in everything we do.

## **Research & Development**

We are driven by our passion to develop products that improve patient outcomes and solve problems surgeons are facing in the operating theater every day. All of our products are developed by us or our partner companies using a research and testing approach that addresses the need for safe and easy-to-use products with exceptional clinical outcomes. We work with different materials, implant designs, and surgical techniques to address the needs of patients and surgeons alike. It is our continuing mission to provide only the best, for the best.

VetWelding is part of the WoodWelding SA family of companies.



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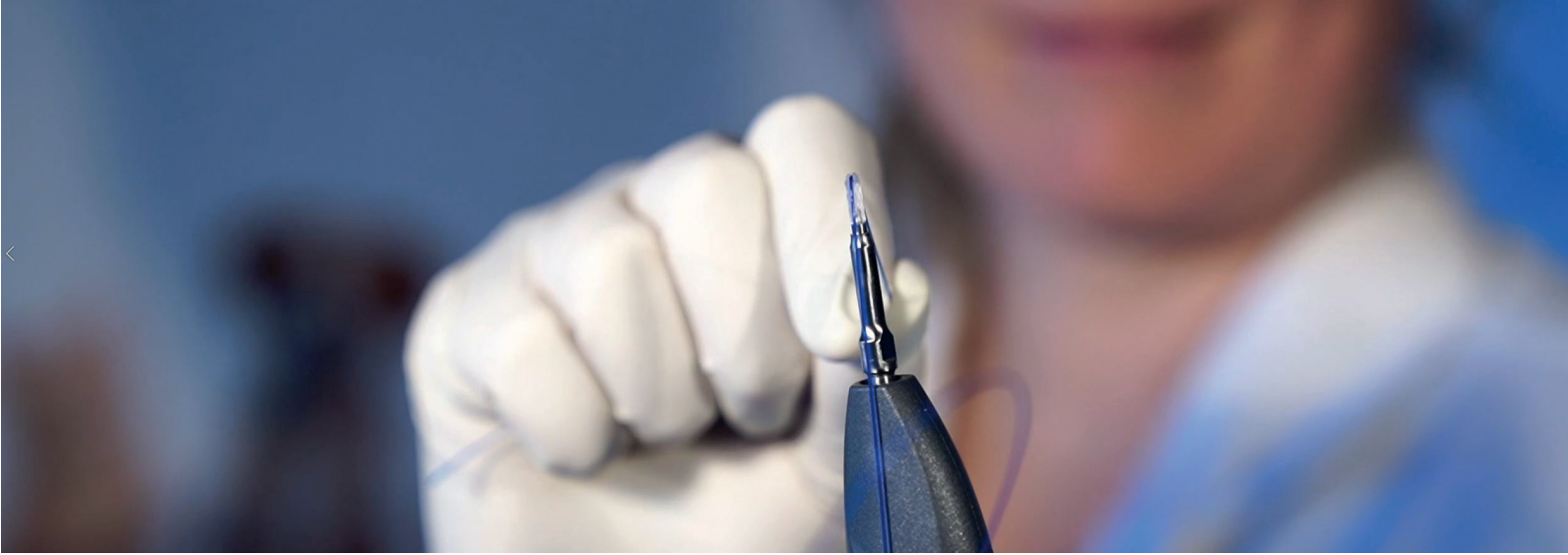
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# Training and Education

At VetWelding, we recognize the importance of every member of the veterinary team, which is why we strive to provide optimal training packages for general practice veterinarians, specialists, and support staff alike.

With an international staff that includes bio-medical engineers and veterinary professionals, we at VetWelding are confident in our ability to answer your questions and guide you from training to the surgical suite. In our educational trainings, you will receive a combination of theoretical and hands-on applications, using either saw bone or cadaver bone to hone your skills. Working one-on-one with each team member is core to our philosophy of staff education.

Once you have completed the training, we are available to you between 8:00 and 00:00 CET (GMT+1) every day for help trouble-shooting your equipment, and also virtually in the OR if you have questions regarding surgical procedures. Because we already provide you with top of the line devices, it is only natural that we provide you with top of the line support. We want you to feel the same confidence in surgery as we do in our products.

Trainings can be done in our laboratories in Switzerland or in your practice. We are also active at specialist surgery and dental meetings throughout the world.

## Contact

T: +41 (0)41 530 70 99 | M: +41(0)76 331 65 65 | [orders@vetwelding.com](mailto:orders@vetwelding.com)



**BoneWelder Vet<sup>®</sup> Equipment**

## BoneWelder® Vet System



The ultrasonic energy for implantation of the BoneWelding® product range is provided by the BoneWelder® Vet ultrasound generator and applied via the attached handpiece.

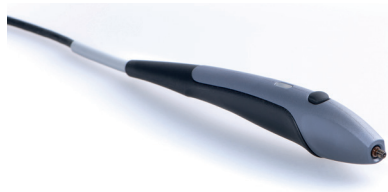
**THIS ONE DEVICE IS USED FOR ALL BONEWELDING® IMPLANTS**

## BoneWelder® Vet



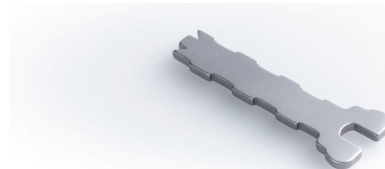
The BoneWelder® Vet is the heart of the BoneWelding® system. This small, user-friendly machine provides the energy to power the ultrasonic handpiece. Two handpiece plug-in option allows for dual user capabilities.

## Handpiece



The handpiece to the BoneWelder® Vet is lightweight and ergonomically designed for comfort in handling. One-button technology allows for ease in use for transferring the ultrasonic power to the implant.

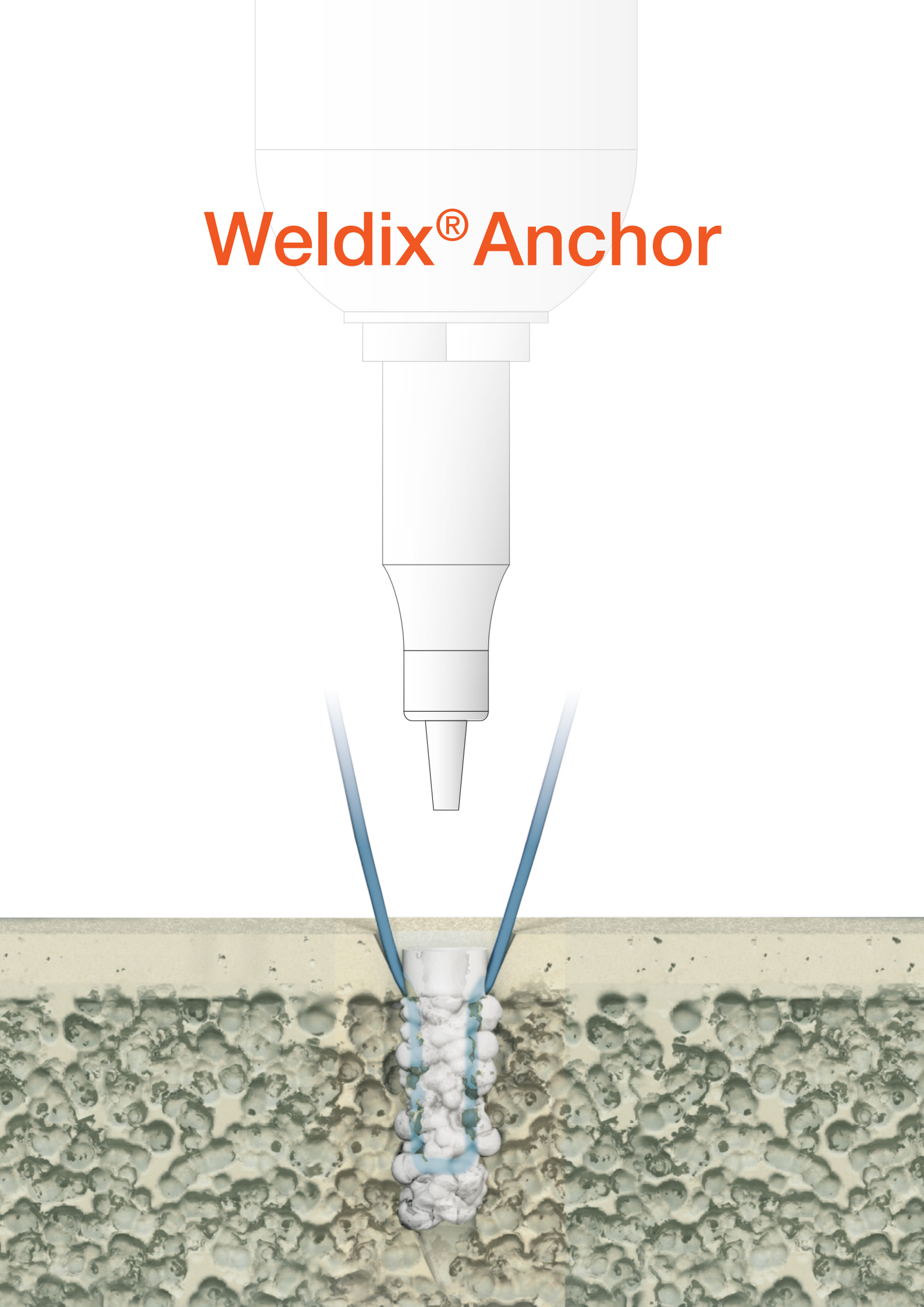
## Wrench



The wrench allows 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. Fits to every sonotrode.

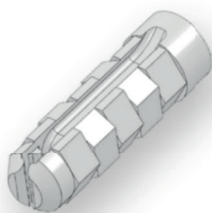
PRODUCT NAME	DESCRIPTION	REF NO.
BoneWelder® Vet System Incl. Ultrasonic Device, Handpiece, Wrench and Power Cord	Set	01-00-001
BoneWelder® Vet Ultrasonic Device Incl. Power Cord	Ultrasonic Device	01-01-001
BoneWelder® Vet Handpiece	Instrument	01-02-001
BoneWelder® Vet Wrench	Instrument	01-03-001

# Weldix<sup>®</sup> Anchor





## Weldix® 2.3mm Anchor

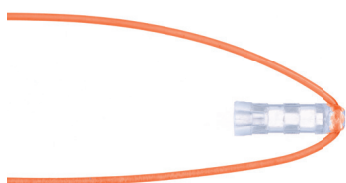


Weldix® 2.3mm Anchors are made of biocompatible and fully bioresorbable Polylactide.

Suture is not included in the package

After working with veterinarians and surgical specialists for nearly 2 decades, our veterinary team understands that every doctor has their go-to suture. That’s why, instead of including suture with our products, we offer you the freedom to choose the suture you are most comfortable using. For a list of compatible sutures, please visit our website or give us a call: we love to talk to you! If you don’t find your favorite suture on our list, let us know what you prefer, and our engineers will personally test it in our laboratories.

### Suture



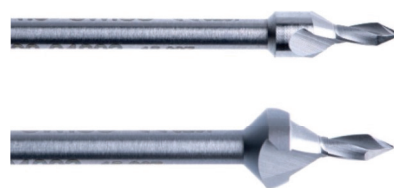
The Weldix® 2.3mm Anchor fits with a suture UPS #4-0 up to #2. Both multi- and monofilament sutures are compatible with the anchor.

### Sonotrode



The sonotrode (handpiece tip) is mounted on the handpiece. It transmits the ultrasonic energy to the Weldix® 2.3mm Anchor. The sonotrode has a press-fit with the anchor preventing the anchor from falling off.

### 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.

PRODUCT NAME	DESCRIPTION	REF NO.
Weldix® 2.3mm Anchor	Implant	02-01-001
DEMO Weldix® 2.3mm Anchor, 10pcs (not for clinical use)	DEMO Implant	02-01-901
BoneWelder® Vet Conical 2mm Sonotrode	Instrument	01-04-001
Drill Bit Weldix® 2.3mm Anchor with Drill Stop	Instrument	01-05-001
Drill Bit Weldix® 2.3mm Anchor without Drill Stop	Instrument	01-05-002



**Resorb Pin and Plate**

## Resorb Product Instruments



### Sonotrodes



Standard Sonotrode, Straight



Standard Sonotrode, Angled

The standard sonotrode (handpiece tip) is mounted onto the handpiece. It transmits the ultrasonic energy required to insert pins at either angled or straight positions.



Smoothing Sonotrode, Straight



Smoothing Sonotrode, Angled

The smoothing sonotrode (handpiece tip) is mounted onto the handpiece. It transmits the ultrasonic energy to smooth implants

### Drill Bits



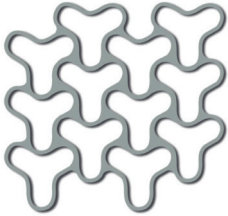
The **Ø 1 mm drill bit** is sized specifically for the 1.6 mm pins and is offered in lengths of 3, 4 & 5 mm.



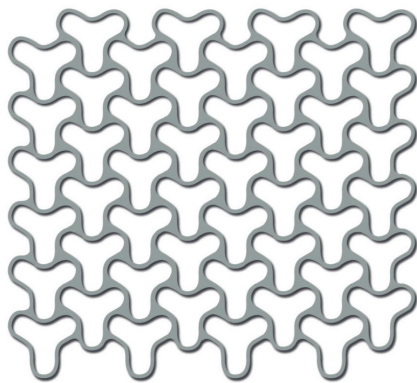
The **Ø 1.6 mm drill bit** is sized specifically for the 2.1 mm pins and is offered in lengths of 4, 5 & 10 mm.

## Resorb Product Instruments

### Resorb Templates



Scale: 1/1  
REF: V52-313-25-04  
Dimensions: 25 x 25 mm  
Titanium Template  
(Autoclavable)



Scale: 1/1  
REF: V52-313-50-04  
Dimensions: 50 x 50 mm  
Titanium Template  
(Autoclavable)

### Water Bath



The specialized water bath is used to warm the resorbable plates just before use. After only a few seconds, the implant can be shaped, contoured, and cut, allowing it to be easily adapted to the surface of the bone. The water bath cover and water container can also be purchased separately if there are multiple procedures to be performed, and are both autoclavable.

### BOS Drill

The ergonomically designed BOS Drill can be used to create the pilot holes for the Resorb plate and pin system. The BOS drill rotates at 600rpm and is autoclavable. The battery pack can be purchased separately.



## Resorb Product Instruments

PRODUCT NAME	DESCRIPTION	REF NO.
BoneWelder® Vet Standard Sonotrode, Straight	Instrument	V52-501-21-04
BoneWelder® Vet Standard Sonotrode, Angled	Instrument	V52-501-22-04
BoneWelder® Vet Smoothing Sonotrode, Straight	Instrument	V52-501-23-04
BoneWelder® Vet Smoothing Sonotrode, Angled	Instrument	V52-501-24-04
BOS-Battery Package, Sterile	Instrument	V50-800-02-71
BOS-Drill Handpiece, Alone	Instrument	V50-800-03-07
Drill Bit 1.0 x 40 x 3 mm (for 1.6 mm Resorb pins)	Instrument	V52-610-03-07
Drill Bit 1.0 x 40 x 4 mm (for 1.6 mm Resorb pins)	Instrument	V52-516-54-04
Drill Bit 1.0 x 40 x 5 mm (for 1.6 mm Resorb pins)	Instrument	V52-516-54-04
Drill Bit 1.6 x 40 x 4 mm (for 2.1 mm Resorb pins)	Instrument	V52-616-04-07
Drill Bit 1.6 x 40 x 5 mm (for 2.1 mm Resorb pins)	Instrument	V52-616-05-07
Drill Bit 1.6 x 40 x 10 mm (for 2.1 mm Resorb pins)	Instrument	V52-616-10-07
Template Mesh 25 x 25 mm	Instrument	V52-313-25-04
Template Mesh 50 x 50 mm	Instrument	V52-313-50-04
Water Bath Complete Incl. Thermal Unit, Cover Hood, Water Container and Power Cord	Water Bath	V52-400-10-04
Water Bath Cover	Water Bath Cover	V52-400-13-04
Water Bath Insert (Water Container)	Water Bath Insert	V52-400-14-04

### Additional Instruments

The following instruments are not included but should be available in the operating room to aid in the implantation of the Resorb Pin and Plates System:

- **Plate stabilizing instrument:** can be used to hold the plate in place during insertion of pins and assist in reducing the fracture
- **Plate grasping forceps:** can be used to remove plate from water bath, position, and hold the plate in place until pins are inserted
- **Scissors:** can be used to cut the plate to the desired shape and size

All components of the Resorb Pin and Plate System are developed and manufactured in cooperation with specialized partners.

## Resorb Product Range

### Resorb Pins



1.6 mm Ø Pin

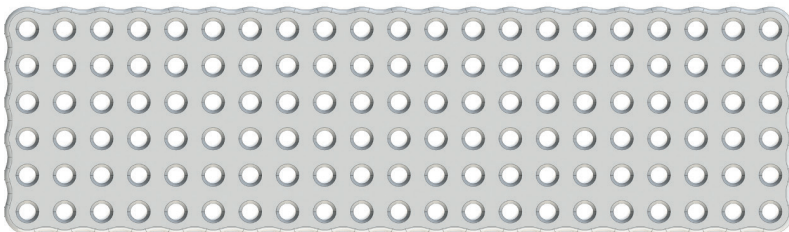


2.1 mm Ø Pin

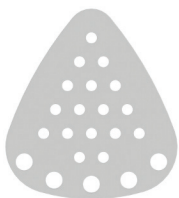
PIN DIAMETER	PIN LENGTH	REF NO.	QUANTITY
1.6 mm	4.0 mm	V52-516-54-04	5
1.6 mm	5.0 mm	V52-516-55-04	5
2.1 mm	4.0 mm	V52-521-54-04	5
2.1 mm	5.0 mm	V52-521-55-04	5
2.1 mm	7.0 mm	V52-521-57-04	5

## Resorb Product Range

### Plates, Meshes and Sheets



Scale: 1/1  
 REF: V52-310-31-04  
 Dimensions: 31 x 106 mm  
 Thickness: 1 mm



Scale: 1/1  
 REF: V52-306-23-04  
 Dimensions: 23mm  
 Thickness: 0.6 mm



Scale: 1/1  
 REF: V52-095-06-04  
 Dimensions: 26 x 16mm  
 Thickness: 1 mm



Scale: 1/1  
 REF: V52-096-06-04  
 Dimensions: 26 x 16mm  
 Thickness: 1 mm

## Resorb Product Range

### Plates, Meshes and Sheets



Scale: 1/1  
REF: V52-077-04-04  
Dimensions: 26 x 7 mm  
Thickness: 1 mm



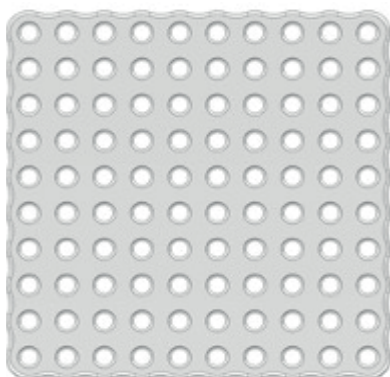
Scale: 1/1  
REF: V52-085-05-04  
Dimensions: 25 x 14 mm  
Thickness: 1 mm



Scale: 1/1  
REF: V52-076-22-04  
Dimensions: 112 x 7 mm  
Thickness: 1 mm



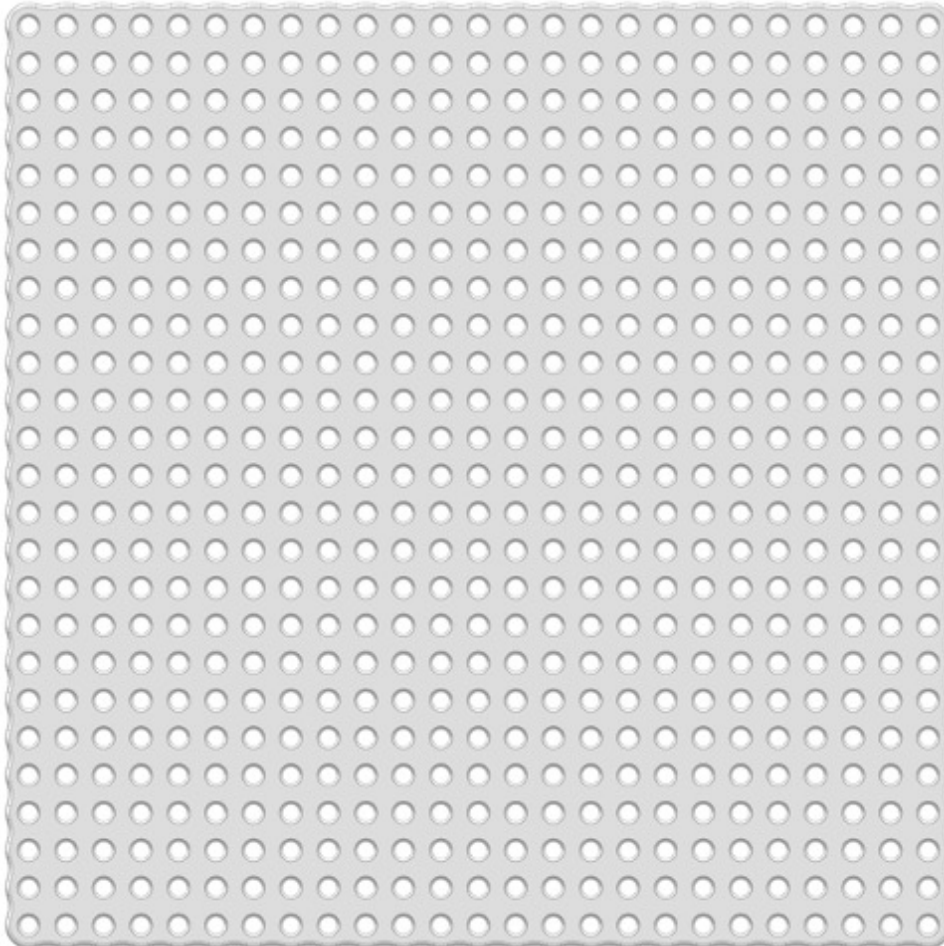
Scale: 1/1  
REF: V52-310-25-04  
Dimensions: 26 x 26 mm  
Thickness: 1 mm



Scale: 1/1  
REF: V52-310-50-04  
Dimensions: 51 x 51 mm  
Thickness: 1 mm

## Resorb Product Range

### Plates, Meshes and Sheets



Scale: 1/1  
REF: V52-310-13-04  
Dimensions: 126 x126 mm  
Thickness: 1 mm



Scale: 1/1  
REF: V52-306-52-04  
Dimensions: 51 X 51 mm  
Thickness: 0.6 mm



## Resorb Product Range

### Plates, Meshes and Sheets



Scale: 1/1  
REF: V52-310-11-04  
Dimensions: 11 x126 mm  
Thickness: 1 mm



Scale: 1/1  
REF: V52-311-15-04  
Dimensions: 11 x 249 mm  
Thickness: 1.5 mm

## Resorb Plus+ Product Range

### Plates



Scale: 1/1  
REF: V52-877-04-04  
Dimensions: 26 x 7 mm  
Thickness: 1 mm



Scale: 1/1  
REF: V52-876-22-04  
Dimensions: 112 x 7 mm  
Thickness: 1 mm

### Resorb Plus+

The base material for the Resorb Plus+ plates is PLLA-PGA in a ratio of 85% PLLA (Poly-L-lactide) and 15% PGA (Poly-glycolic acid). The initial tensile strength of the Resorb Plus+ is significantly higher than the Resorb (which is made of amorphous PDLLA). PGA is furthermore a material that binds and stores water fast. Therefore, the Resorb Plus+ plates have the tendency to be completely resorbed faster than the Resorb plates.

Both Resorb and Resorb Plus+ plates can be fixed with the Resorb Pins that are inserted with the BoneWelding® Technology.

“The Weldix® 2.3mm Anchor is a promising technology with advantages over other anchor systems in regions with limited bone stock or soft tissue coverage and under bony protruberances.”

Dr. Riccarda Schuenemann

*Small Animal Hospital Sattledt, Austria*

“The uncomplicated applicability of the Vetwelding resorbable anchor system makes it easy, safe, and quick to use for tendon and ligament repair. The ability to strength test the implanted Weldix anchor peri-operatively and being able to use multiple suture combinations, turn complex joint trauma into a straightforward procedure.”

Dr. Yuri Béosier

*MyVets, Cham*





# Become a trusted client today!

With a dedicated, multi-lingual crew, we are ready and happy to answer all questions and queries you may have! It is truly a pleasure to share with you our love of animals and our dedication to providing you and your patients the best quality medical devices on the market. Please call or email us any time...

We look forward to meeting you!

## Contact

### Headquarters

VetWelding AG  
Muehlebach 2  
CH – 6362 Stansstad / NW  
Switzerland

### Schlieren Office

VetWelding AG  
Wagistrasse 6  
CH – 8952 Schlieren / ZH  
Switzerland

+41(0)76 331 65 65 | [info@vetwelding.com](mailto:info@vetwelding.com)

[www.vetwelding.com](http://www.vetwelding.com)

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