

# RemeOs™ Screw LAG Solid

**Contact**

Yrittäjänkulma 5  
FI-33710 Tampere, Finland

Tel +358 20 778 9500  
sales@bioretec.com

**Absorbable Osteopromotive Magnesium Alloy**

The RemeOs Screw is an innovative absorbable metal alloy designed to promote natural bone healing without the need for removal surgery. Composed of safe, biocompatible elements – magnesium, calcium, and zinc – it offers a natural and effective solution. RemeOs Screw is intended for use in traumatic and orthopedic surgery for the fixation of bone fractures (osteosynthesis) and for the fixation after osteotomies, e.g., for the correction of deformities or malalignments. The absorbable implants serve as temporary fixation and stabilization by osteosynthesis of bone fractures and osteotomies until bony fusion has occurred. It is indicated for the fixation of medial malleolus fractures for skeletally mature adults.

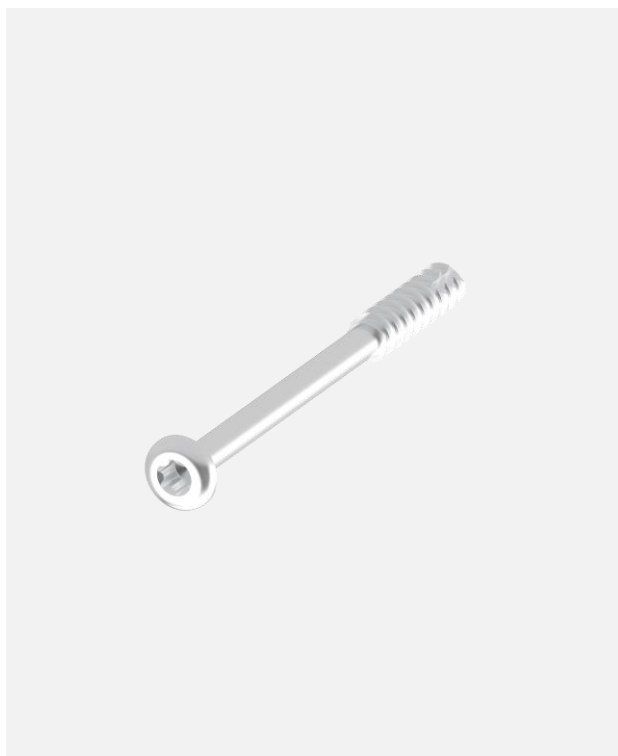
**Patient Benefits**

The absorbable nature of the RemeOs Screw eliminates the need for a second surgery, as the implant doesn't require removal and is naturally replaced by new bone. The magnesium alloy promotes natural bone growth, accelerating fracture healing. Additionally, the absence of a removal surgery reduces the risk of potential complications.

**Professional Benefits**

Made from biocompatible elements – magnesium, calcium, and zinc – the RemeOs Screw ensures safe and effective healing without the use of rare earth elements (REE). It features a self-tapping design for easy insertion into cancellous bone or cancellous bone with a thin cortical layer, with surgical techniques similar to conventional metal implants, making it both efficient and familiar to use. Despite its absorbable nature, it offers compression performance and fixation strength comparable to traditional metal implants.

The RemeOs Screw also enhances imaging diagnostics by ensuring compatibility with radiographic tools and being MR conditional. Its bioactive, osteopromotive properties actively promote rapid bone in-growth, regeneration, and replacement, supporting faster and more effective healing. Additionally, this sustainable solution reduces healthcare costs by avoiding the need for secondary surgeries, enhancing patient outcomes while contributing to long-term resource efficiency.

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## Overview

- Naturally absorbs over time, eliminating secondary removal surgeries and streamlining postoperative care.
- Tailored to align with the bone healing process, providing reliable support during recovery.
- Made from magnesium (Mg), calcium (Ca), and zinc (Zn), ensuring safe and effective healing without rare earth elements (REE).
- Features a self-tapping design for easy insertion with techniques similar to conventional metal implants.
- Delivers compression performance and fixation strength comparable to traditional metal implants, despite being absorbable.
- Compatible with radiographic tools and MR conditional for enhanced diagnostic accuracy.
- Promotes rapid bone in-growth, regeneration, and replacement for faster, more effective healing.
- Reduces healthcare costs by avoiding secondary surgeries and enhancing patient outcomes.

## Intended Use and Specific Indication



### Fractures and Orthopaedic Diseases of Foot & Ankle

The RemeOs™ Screw LAG Solid is indicated for the fixation of the medial malleolus.

RemeOs™ Screw LAG Solid is intended for the use in traumatic and orthopedic surgery for the fixation of bone fractures (osteosynthesis) and for the fixation after osteotomies, e.g., for the correction of deformities or malalignments. The absorbable implants serve as temporary fixation and stabilization by osteosynthesis of bone fractures and osteotomies until bony fusion has occurred.

The RemeOs™ Screw LAG Solid is intended to be used for skeletally mature adults.

## Features / Unique Selling Points

### Absorbable:

Naturally absorbs, eliminating the need for removal surgery. Strength retention tailored to match the bone healing

### Excellent

**biocompatibility:** Made from Mg, Ca and Zn for safe and effective healing. REE-free

### Surgical technique:

Easy insertion and safe use, comparable to conventional metal implants. Self-tapping in cancellous bone or cancellous bone with a thin cortical layer

### Design:

Partially threaded non-cannulated screw with head

### Strong fixation:

Compression performance and fixation strength comparable with conventional metal implants

### Imaging

**Compatibility:** No interference with radiographic imaging. MR conditional

### Osteopromotive,

**Bioactive:** Promotes faster, more effective healing. Rapid bone in-growth, regeneration and replacement

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## Product Codes

B-FSL-3524	RemeOs™ Screw LAG Solid 3.5 x 24 mm
B-FSL-3526	RemeOs™ Screw LAG Solid 3.5 x 26 mm
B-FSL-3528	RemeOs™ Screw LAG Solid 3.5 x 28 mm
B-FSL-3530	RemeOs™ Screw LAG Solid 3.5 x 30 mm
B-FSL-3532	RemeOs™ Screw LAG Solid 3.5 x 32 mm
B-FSL-3534	RemeOs™ Screw LAG Solid 3.5 x 34 mm
B-FSL-3536	RemeOs™ Screw LAG Solid 3.5 x 36 mm
B-FSL-3538	RemeOs™ Screw LAG Solid 3.5 x 38 mm
B-FSL-3540	RemeOs™ Screw LAG Solid 3.5 x 40 mm

## Instrumentation Options

### Necessary reusable instruments for RemeOs™ Screw LAG Solid insertion:

B-IS-9020	Depth gauge, for 2.0/2.7/3.5 mm screws
B-ISC-4505	Double drill sleeve Ø4.5/3.5 mm, for 4.0/4.5 mm cannulated screws (alternatively: B-IS-3505 Double drill sleeve Ø2.5/3.5 mm, for 3.5mm screws)
B-IP-2703	Drill bit Ø2.7 mm, for 2.7 mm pins/nails, quick coupling
B-ISC-9013	Large handle, cannulated, quick coupling
B-IS-3501	Tap Ø3.5 mm, for 3.5 mm screws
B-IS-3504	Countersink, for 2.7/3.5 mm screws
B-IRC-4002	Driver T10, for RemeOs™ Screw 3.5/4.0 mm, quick coupling

### Sterilization tray and insert

B-IRC-9000	Sterilization Base and Lid, for Sterilization Inserts
B-IRC-9001	Sterilization Insert, for RemeOs™ Instruments

*The above-listed instruments are included in the*  
**B-IRS-1000 Instrument set, for RemeOs Screw™**

Instruments are delivered unsterile.

## Product properties and Availability Notice

Material: RemeOs implants are made from a magnesium alloy containing calcium (Ca) and zinc (Zn), ensuring safe and effective healing without rare earth elements (REE).

Registrations for Bioretec implants vary by market and specific product design, including but not limited to authorizations from the FDA in the United States and CE marking in Europe. For more information, please contact Bioretec customer service.