

# RemeOs™ Screw LAG

## 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. The RemeOs™ Screw is intended for use in traumatic and orthopaedic surgery. The RemeOs™ Screws are used in epi-/metaphyseal bone fractures (osteosynthesis) and for the fixation after osteotomies, for the correction of deformities or malalignments in short bones of midfoot and hindfoot, and long bones of the upper and lower extremity. The implants serve as temporary fixation and stabilization by osteosynthesis of bone fractures and osteotomies until bony fusion has occurred.

## 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.

## RemeOs™ Screw LAG



# RemeOs™ Screw LAG

## Contact

Yrittäjänkulma 5  
FI-33710 Tampere, Finland

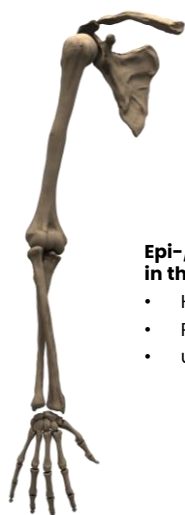
Tel +358 20 778 9500  
sales@bioretec.com

## 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 Indications

The RemeOs Screw is intended for use in traumatic and orthopaedic surgery. The RemeOs Screws are used in epi-/metaphyseal bone fractures (osteosynthesis) and for the fixation after osteotomies, for the correction of deformities or malalignments in short bones of midfoot and hindfoot, and long bones of the upper and lower extremity. The implants serve as temporary fixation and stabilization by osteosynthesis of bone fractures and osteotomies until bony fusion has occurred. The indications have been limited to:



### Epi-/metaphyseal of Long Bones in the Upper Extremity

- Humerus
- Radius
- ulna



### Epi-/metaphyseal of Long Bones in the Lower Extremity

- Tibia
- Fibula
- femur

### Short Bones of Midfoot

- Cuneiforms
- Navicular
- Cuboid
- tarsometatarsal articulations

### Short Bones of Hindfoot

- Talus
- calcaneus

## 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:

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

### Design:

Partially threaded and cannulated screw with head

### Strong:

Compression performance and fixation strength comparable with conventional metal implants

### Imaging Compatibility:

No interference with radiographic imaging. MRI conditional

### Osteopromotive, Bioactive:

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

# RemeOs™ Screw LAG

## Contact

Yrittäjänkulma 5  
FI-33710 Tampere, Finland

Tel +358 20 778 9500  
sales@bioretec.com

## Product Codes

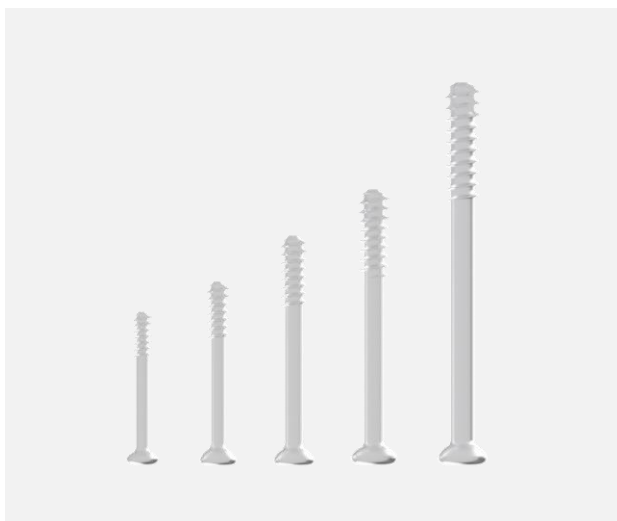
B-FL-2012 RemeOs™ Screw LAG 2.0 x 12 mm  
B-FL-2014 RemeOs™ Screw LAG 2.0 x 14 mm  
B-FL-2016 RemeOs™ Screw LAG 2.0 x 16 mm  
B-FL-2018 RemeOs™ Screw LAG 2.0 x 18 mm  
B-FL-2020 RemeOs™ Screw LAG 2.0 x 20 mm

B-FL-2514 RemeOs™ Screw LAG 2.5 x 14 mm  
B-FL-2516 RemeOs™ Screw LAG 2.5 x 16 mm  
B-FL-2518 RemeOs™ Screw LAG 2.5 x 18 mm  
B-FL-2520 RemeOs™ Screw LAG 2.5 x 20 mm  
B-FL-2522 RemeOs™ Screw LAG 2.5 x 22 mm  
B-FL-2524 RemeOs™ Screw LAG 2.5 x 24 mm

B-FL-3018 RemeOs™ Screw LAG 3.0 x 18 mm  
B-FL-3020 RemeOs™ Screw LAG 3.0 x 20 mm  
B-FL-3022 RemeOs™ Screw LAG 3.0 x 22 mm  
B-FL-3024 RemeOs™ Screw LAG 3.0 x 24 mm  
B-FL-3026 RemeOs™ Screw LAG 3.0 x 26 mm  
B-FL-3028 RemeOs™ Screw LAG 3.0 x 28 mm  
B-FL-3030 RemeOs™ Screw LAG 3.0 x 30 mm  
B-FL-3032 RemeOs™ Screw LAG 3.0 x 32 mm  
B-FL-3034 RemeOs™ Screw LAG 3.0 x 34 mm  
B-FL-3036 RemeOs™ Screw LAG 3.0 x 36 mm  
B-FL-3038 RemeOs™ Screw LAG 3.0 x 38 mm  
B-FL-3040 RemeOs™ Screw LAG 3.0 x 40 mm

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

B-FL-4018 RemeOs™ Screw LAG 4.0 x 18 mm  
B-FL-4020 RemeOs™ Screw LAG 4.0 x 20 mm  
B-FL-4022 RemeOs™ Screw LAG 4.0 x 22 mm  
B-FL-4024 RemeOs™ Screw LAG 4.0 x 24 mm  
B-FL-4026 RemeOs™ Screw LAG 4.0 x 26 mm  
B-FL-4028 RemeOs™ Screw LAG 4.0 x 28 mm  
B-FL-4030 RemeOs™ Screw LAG 4.0 x 30 mm  
B-FL-4032 RemeOs™ Screw LAG 4.0 x 32 mm  
B-FL-4034 RemeOs™ Screw LAG 4.0 x 34 mm  
B-FL-4036 RemeOs™ Screw LAG 4.0 x 36 mm  
B-FL-4038 RemeOs™ Screw LAG 4.0 x 38 mm  
B-FL-4040 RemeOs™ Screw LAG 4.0 x 40 mm  
B-FL-4042 RemeOs™ Screw LAG 4.0 x 42 mm  
B-FL-4044 RemeOs™ Screw LAG 4.0 x 44 mm  
B-FL-4046 RemeOs™ Screw LAG 4.0 x 46 mm  
B-FL-4048 RemeOs™ Screw LAG 4.0 x 48 mm  
B-FL-4050 RemeOs™ Screw LAG 4.0 x 50 mm



## 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.

# RemeOs™ Screw LAG

## Contact

Yrittäjänkulma 5  
FI-33710 Tampere, Finland

Tel +358 20 778 9500  
sales@bioretec.com

## Instrumentation Options

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

#### B-FL-20XX REF

B-IRC-0815  
B-ISC-9020  
B-IS-2705

#### 2 mm RemeOs Screw LAG

##### Description

K-wire Ø 0.8 mm, length 150 mm, for RemeOs™ Screw 2.0 mm  
Depth gauge, for cannulated screws  
Double drill sleeve Ø2.0/2.7 mm, for 2.7mm screws (alternatively: B-IS-3505 Double drill sleeve Ø2.5/3.5 mm, for 3.5mm screws)  
Drill bit Ø 1.7 mm, for RemeOs™ Screw 2.0 mm, quick coupling  
Large handle, cannulated, quick coupling  
Tap Ø 2.0 mm, for RemeOs™ Screw 2.0 mm  
Countersink for RemeOs™ Screw LAG 2.0/2.5 mm, quick coupling  
Driver T6, for RemeOs™ Screw 2.0/2.5 mm, quick coupling

#### B-FL-25XX REF

B-IRC-0915  
B-ISC-9020  
B-IS-2705

#### 2.5 mm RemeOs Screw LAG

##### Description

K-wire Ø 0.9 mm, length 150 mm, for RemeOs™ Screw 2.5 mm  
Depth gauge, for cannulated screws  
Double drill sleeve Ø2.0/2.7 mm, for 2.7mm screws (alternatively: B-IS-3505 Double drill sleeve Ø2.5/3.5 mm, for 3.5mm screws)  
Drill bit Ø 2.0 mm, for RemeOs™ Screw 2.5 mm, quick coupling  
Large handle, cannulated, quick coupling  
Tap Ø 2.5 mm, for RemeOs™ Screw 2.5 mm  
Countersink for RemeOs™ Screw LAG 2.0/2.5 mm, quick coupling  
Driver T6, for RemeOs™ Screw 2.0/2.5 mm, quick coupling

#### B-FL-30XX REF

B-IRC-1115  
B-ISC-9020  
B-ISC-4505

#### 3 mm RemeOs Screw LAG

##### Description

K-wire Ø 1.1 mm, length 150 mm, for RemeOs™ Screw 3.0 mm  
Depth gauge, for cannulated screws  
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)  
Drill bit Ø 2.5 mm, for RemeOs™ Screw 3.0 mm, quick coupling  
Large handle, cannulated, quick coupling  
Tap Ø 3.0 mm, for RemeOs™ Screw 3.0 mm  
Countersink for RemeOs™ Screw LAG 3.0/3.5/4.0 mm, quick coupling  
Driver T8, for RemeOs™ Screw 3.0 mm, quick coupling

#### B-FL-35XX REF

B-IRC-1215  
B-ISC-9020  
B-ISC-4505  
B-IRC-3500  
B-ISC-9013  
B-IRC-3501  
B-IRC-4004L  
B-IRC-3002

#### 3.5 mm RemeOs Screw LAG

##### Description

K-wire Ø 1.2 mm, length 150 mm, for RemeOs™ Screw 3.5 mm  
Depth gauge, for cannulated screws  
Double drill sleeve Ø4.5/3.5 mm, for 4.0/4.5 mm cannulated screws  
Drill bit Ø 2.7 mm, for RemeOs™ Screw 3.5 mm, quick coupling  
Large handle, cannulated, quick coupling  
Tap Ø 3.5 mm, for RemeOs™ Screw 3.5 mm  
Countersink for RemeOs™ Screw LAG 3.0/3.5/4.0 mm, quick coupling  
Driver T10, for RemeOs™ Screw 3.5/4.0 mm, quick coupling

#### B-FL-40XX REF

B-IRC-1615  
B-ISC-9020  
B-ISC-4505  
B-IRC-4000  
B-ISC-9013  
B-IRC-4001  
B-IRC-4004L  
B-IRC-4002

#### 4 mm RemeOs Screw LAG

##### Description

K-wire Ø 1.6 mm, length 150 mm, for RemeOs™ Screw 4.0 mm  
Depth gauge, for cannulated screws  
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)  
Drill bit Ø 3.2 mm, for RemeOs™ Screw 4.0 mm, quick coupling  
Large handle, cannulated, quick coupling  
Tap Ø 4.0 mm, for RemeOs™ Screw 4.0 mm  
Countersink for RemeOs™ Screw LAG 3.0/3.5/4.0 mm, quick coupling  
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.