

# RemeOs™ Screw COM

## Contact

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## 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.

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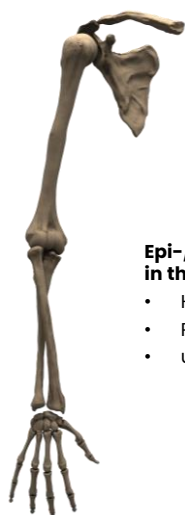
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## Overview

- 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 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:

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

### Design:

Headless, partially threaded, compression screw with cannulation and different thread pitches in screw ends

### 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-FC-2008	RemeOs™ Screw COM 2.0 x 8 mm	B-FC-3530	RemeOs™ Screw COM 3.5 x 30 mm
B-FC-2010	RemeOs™ Screw COM 2.0 x 10 mm	B-FC-3532	RemeOs™ Screw COM 3.5 x 32 mm
B-FC-2012	RemeOs™ Screw COM 2.0 x 12 mm	B-FC-3534	RemeOs™ Screw COM 3.5 x 34 mm
B-FC-2014	RemeOs™ Screw COM 2.0 x 14 mm	B-FC-3536	RemeOs™ Screw COM 3.5 x 36 mm
B-FC-2016	RemeOs™ Screw COM 2.0 x 16 mm	B-FC-3538	RemeOs™ Screw COM 3.5 x 38 mm
B-FC-2018	RemeOs™ Screw COM 2.0 x 18 mm	B-FC-3540	RemeOs™ Screw COM 3.5 x 40 mm
B-FC-2020	RemeOs™ Screw COM 2.0 x 20 mm		
B-FC-2510	RemeOs™ Screw COM 2.5 x 10 mm	B-FC-4014	RemeOs™ Screw COM 4.0 x 14 mm
B-FC-2512	RemeOs™ Screw COM 2.5 x 12 mm	B-FC-4016	RemeOs™ Screw COM 4.0 x 16 mm
B-FC-2514	RemeOs™ Screw COM 2.5 x 14 mm	B-FC-4018	RemeOs™ Screw COM 4.0 x 18 mm
B-FC-2516	RemeOs™ Screw COM 2.5 x 16 mm	B-FC-4020	RemeOs™ Screw COM 4.0 x 20 mm
B-FC-2518	RemeOs™ Screw COM 2.5 x 18 mm	B-FC-4022	RemeOs™ Screw COM 4.0 x 22 mm
B-FC-2520	RemeOs™ Screw COM 2.5 x 20 mm	B-FC-4024	RemeOs™ Screw COM 4.0 x 24 mm
B-FC-2522	RemeOs™ Screw COM 2.5 x 22 mm	B-FC-4026	RemeOs™ Screw COM 4.0 x 26 mm
B-FC-2524	RemeOs™ Screw COM 2.5 x 24 mm	B-FC-4028	RemeOs™ Screw COM 4.0 x 28 mm
B-FC-3010	RemeOs™ Screw COM 3.0 x 10 mm	B-FC-4030	RemeOs™ Screw COM 4.0 x 30 mm
B-FC-3012	RemeOs™ Screw COM 3.0 x 12 mm	B-FC-4032	RemeOs™ Screw COM 4.0 x 32 mm
B-FC-3014	RemeOs™ Screw COM 3.0 x 14 mm	B-FC-4034	RemeOs™ Screw COM 4.0 x 34 mm
B-FC-3016	RemeOs™ Screw COM 3.0 x 16 mm	B-FC-4036	RemeOs™ Screw COM 4.0 x 36 mm
B-FC-3018	RemeOs™ Screw COM 3.0 x 18 mm	B-FC-4038	RemeOs™ Screw COM 4.0 x 38 mm
B-FC-3020	RemeOs™ Screw COM 3.0 x 20 mm	B-FC-4040	RemeOs™ Screw COM 4.0 x 40 mm
B-FC-3022	RemeOs™ Screw COM 3.0 x 22 mm	B-FC-4042	RemeOs™ Screw COM 4.0 x 42 mm
B-FC-3024	RemeOs™ Screw COM 3.0 x 24 mm	B-FC-4044	RemeOs™ Screw COM 4.0 x 44 mm
B-FC-3026	RemeOs™ Screw COM 3.0 x 26 mm	B-FC-4046	RemeOs™ Screw COM 4.0 x 46 mm
B-FC-3028	RemeOs™ Screw COM 3.0 x 28 mm	B-FC-4048	RemeOs™ Screw COM 4.0 x 48 mm
B-FC-3030	RemeOs™ Screw COM 3.0 x 30 mm	B-FC-4050	RemeOs™ Screw COM 4.0 x 50 mm
B-FC-3032	RemeOs™ Screw COM 3.0 x 32 mm		
B-FC-3034	RemeOs™ Screw COM 3.0 x 34 mm		
B-FC-3036	RemeOs™ Screw COM 3.0 x 36 mm		
B-FC-3038	RemeOs™ Screw COM 3.0 x 38 mm		
B-FC-3040	RemeOs™ Screw COM 3.0 x 40 mm		
B-FC-3514	RemeOs™ Screw COM 3.5 x 14 mm		
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B-FC-3524	RemeOs™ Screw COM 3.5 x 24 mm		
B-FC-3526	RemeOs™ Screw COM 3.5 x 26 mm		
B-FC-3528	RemeOs™ Screw COM 3.5 x 28 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.

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## Instrumentation Options

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

#### B-FC-20XX REF

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

#### 2 mm RemeOs Screw COM

##### 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 COM 2.0/2.5 mm, quick coupling  
Driver T6, for RemeOs™ Screw 2.0/2.5 mm, quick coupling

#### B-FC-25XX REF

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

#### 2.5 mm RemeOs Screw COM

##### 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 COM 2.0/2.5 mm, quick coupling  
Driver T6, for RemeOs™ Screw 2.0/2.5 mm, quick coupling

#### B-FC-30XX REF

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

#### 3 mm RemeOs Screw COM

##### 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 COM 3.0 mm, quick coupling  
Driver T8, for RemeOs™ Screw 3.0 mm, quick coupling

#### B-FC-35XX REF

B-IRC-1215  
B-ISC-9020  
B-ISC-4505

#### 3.5 mm RemeOs Screw COM

##### 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 (alternatively: B-IS-3505 Double drill sleeve Ø2.5/3.5 mm, for 3.5mm 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 COM 3.5 mm, quick coupling  
Driver T10, for RemeOs™ Screw 3.5/4.0 mm, quick coupling

#### B-FC-40XX REF

B-IRC-1615  
B-ISC-9020  
B-ISC-4505

#### 4 mm RemeOs Screw COM

##### 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 COM 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.