

RemeOs™ Screw FT

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

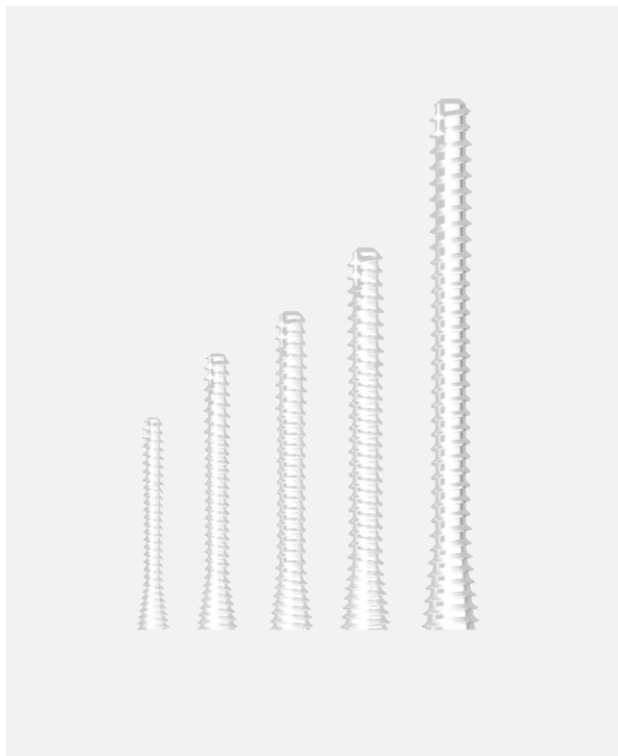
The absorbable nature of the RemeOs Screw eliminates the need for a second surgery, as the implant doesn't require removal and is naturally replaced by new bone. The magnesium alloy promotes natural bone growth, accelerating fracture healing. Additionally, the absence of a removal surgery reduces the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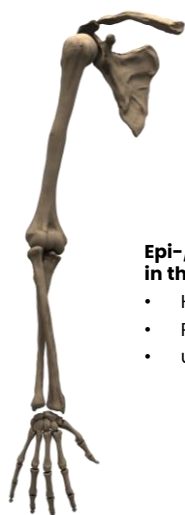
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Overview

- 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, fully threaded, compression screw with cannulation and variable thread pitch

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

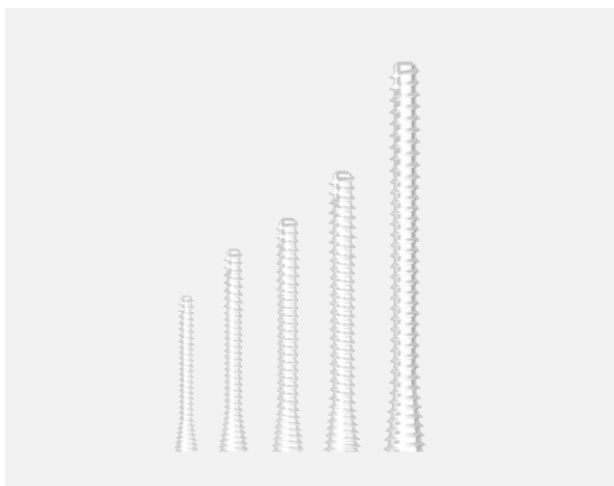
B-FFT-2012 RemeOs™ Screw FT 2.0 x 12 mm
B-FFT-2014 RemeOs™ Screw FT 2.0 x 14 mm

B-FFT-2514 RemeOs™ Screw FT 2.5 x 14 mm
B-FFT-2516 RemeOs™ Screw FT 2.5 x 16 mm
B-FFT-2518 RemeOs™ Screw FT 2.5 x 18 mm
B-FFT-2520 RemeOs™ Screw FT 2.5 x 20 mm
B-FFT-2522 RemeOs™ Screw FT 2.5 x 22 mm
B-FFT-2524 RemeOs™ Screw FT 2.5 x 24 mm
B-FFT-2526 RemeOs™ Screw FT 2.5 x 26 mm
B-FFT-2528 RemeOs™ Screw FT 2.5 x 28 mm
B-FFT-2530 RemeOs™ Screw FT 2.5 x 30 mm

B-FFT-3020 RemeOs™ Screw FT 3.0 x 20 mm
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B-FFT-3030 RemeOs™ Screw FT 3.0 x 30 mm
B-FFT-3032 RemeOs™ Screw FT 3.0 x 32 mm
B-FFT-3034 RemeOs™ Screw FT 3.0 x 34 mm

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B-FFT-3534 RemeOs™ Screw FT 3.5 x 34 mm
B-FFT-3536 RemeOs™ Screw FT 3.5 x 36 mm
B-FFT-3538 RemeOs™ Screw FT 3.5 x 38 mm
B-FFT-3540 RemeOs™ Screw FT 3.5 x 40 mm

B-FFT-4016 RemeOs™ Screw FT 4.0 x 16 mm
B-FFT-4018 RemeOs™ Screw FT 4.0 x 18 mm
B-FFT-4020 RemeOs™ Screw FT 4.0 x 20 mm
B-FFT-4022 RemeOs™ Screw FT 4.0 x 22 mm
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B-FFT-4042 RemeOs™ Screw FT 4.0 x 42 mm
B-FFT-4044 RemeOs™ Screw FT 4.0 x 44 mm
B-FFT-4046 RemeOs™ Screw FT 4.0 x 46 mm
B-FFT-4048 RemeOs™ Screw FT 4.0 x 48 mm
B-FFT-4050 RemeOs™ Screw FT 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.

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Instrumentation Options

Necessary reusable instruments for RemeOs™ Screw FT insertion:

B-FFT-20XX REF

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

2 mm RemeOs Screw FT 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 FT 2.0 mm, quick coupling
Driver T6, for RemeOs™ Screw 2.0/2.5 mm, quick coupling

B-FFT-25XX REF

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

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

B-FFT-30XX REF

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

3 mm RemeOs Screw FT 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 FT 3.0 mm, quick coupling
Driver T8, for RemeOs™ Screw 3.0 mm, quick coupling

B-FFT-35XX REF

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

3.5 mm RemeOs Screw FT 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 FT 3.5 mm, quick coupling
Driver T10, for RemeOs™ Screw 3.5/4.0 mm, quick coupling

B-FFT-40XX REF

B-IRC-1615
B-ISC-9020
B-ISC-4505
B-IRC-4000
B-ISC-9013
B-IRC-4001
B-IRC-3504FT
B-IRC-4002

4 mm RemeOs Screw FT 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
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 FT 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.