

ActivaScrew™ Interference

Contact

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Absorbable self-reinforced biopolymer (poly L-lactide-co-glycolide copolymer, PLGA 85/15)

Advanced absorbable interference screw for fixation of tissue, including ligament or tendon to bone, or a bone-tendon to bone in the presence of appropriate immobilization or controlled mobilization.

Interference fixation is intended for surgeries of knee, shoulder, elbow, ankle, foot and hand/wrist.

The ActivaScrew™ Interference is manufactured from absorbable, self-reinforced poly(L-lactide-co-glycolide) (PLGA 85/15) with patented Self-Locking SL™ technology. ActivaScrew™ Interference gradually loses its strength, however, maintaining its function for at least 12 weeks. Complete absorption takes place within approximately two years, thus eliminating the need for implant removal surgery.

Patient Benefits

The ActivaScrew™ Interference is designed for fixing the ligament or tendon to the bone in the upper or lower extremities. With Bioretec's absorbable implants, only one surgical procedure is required, reducing the risk of complications and minimizing patient discomfort.

During the absorption process, the implants maintain accurate position of the tendon or ligament graft after surgical procedure. The function of the implants is maintained for at least 12 weeks. Absorption takes place within approximately two years, thus eliminating the need for implant removal surgery and reducing patient stress and discomfort.

Professional Benefits

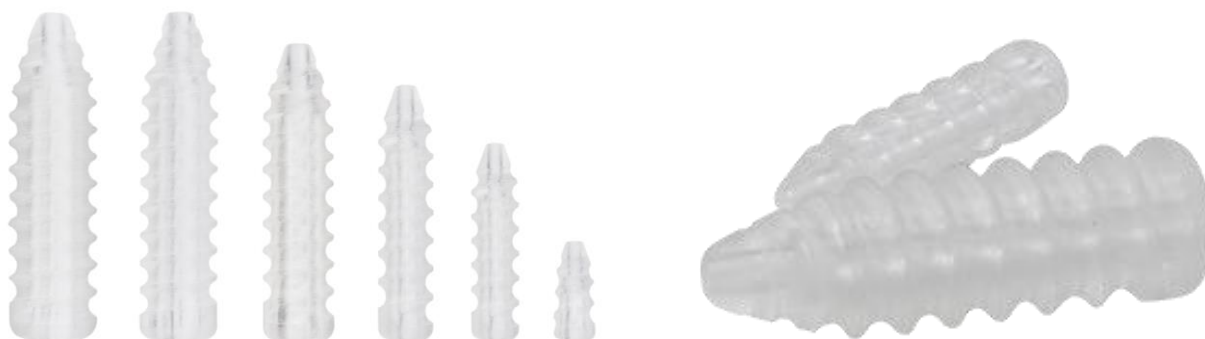
The ActivaScrew™ Interference is a versatile bioabsorbable interference screw designed for secure and biologically integrated fixation. Made from self-reinforced bioabsorbable poly(L-lactide-co-glycolide) (PLGA). Self-reinforcement significantly enhances the interference screw's mechanical properties, e.g., torsional strength. The ActivaScrew™ Interference naturally degrades approximately within two years, eliminating the need for removal surgery.

Available in sizes ranging from Ø 4 mm to 10 mm, it accommodates diverse surgical needs and is MR-compatible. Its patented Self-Locking SL™ technology enables 1–2% expansion under human conditions, enhancing stability and compressing grafts tightly against the drill canal for up to 8–12 weeks postoperatively.

The screw's optimized thread profile minimizes graft damage while ensuring strong pull-out strength and homogenous pressure. A center-driven Torx driver design allows for precise insertion, and it is compatible with 0.8 mm or 1.6 mm guide wires. If necessary, reoperation or removal can be performed by drilling through the screw.

With high strength, innovative design, and advanced materials, the ActivaScrew™ Interference ensures reliable and effective fixation for various medical applications.

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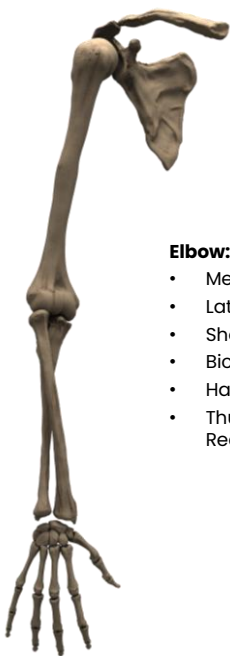
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Overview

- A strong absorbable screw for fixation of ligament, tendon, or bone-tendon to bone.
- ActivaScrew™ Interference provides higher strength and stiffness created by the tailored material and the proprietary manufacturing technique.
- The material's bending modulus is closer to the value of cortical bone, which eliminates stress shielding in bone.
- Patented Self-Locking SL™ technology enables 1–2% expansion under human conditions, enhancing stability and compressing grafts tightly against the drill canal for up to 8–12 weeks postoperatively.
- Product range starts from the world's smallest bioabsorbable interference screw, Ø 4 x 10 mm.

Specific Indication Examples



Elbow:

- Medial Collateral Ligament Reconstruction
- Lateral Collateral Ligament Reconstruction
- Shoulder
- Biceps Tenodesis
- Hand
- Thumb Carpometacarpal Ligament Reconstruction



Knee:

- Anterior Cruciate Ligament (ACL) Reconstruction
- Posterior Cruciate Ligament (PCL) Reconstruction
- Medial Patellofemoral Ligament (MPFL) Reconstruction
- Foot and ankle
- Lateral Ankle Reconstruction
- Flexor Digitorum Longus Tendon Transfer
- Flexor Hallucis Longus Tendon Transfer-Achilles Tendon

Features / Unique Selling Points

Self-reinforced structure provides additional strength and stiffness.

Excellent load-carrying capacity.

Single sterile packed.

Graft conserving implant thread design.

Self-Locking SL™ technology provides additional fixation security.

Excellent also in pediatric orthopaedics.

All Activa implants are MR Safe.

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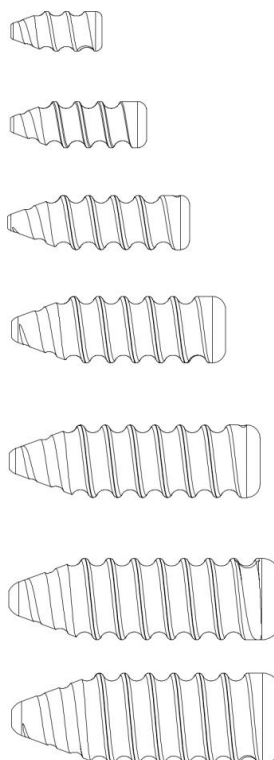
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Product Codes

B-AI-0410	ActivaScrew™ Interference 4 x 10 mm
B-AI-0415	ActivaScrew™ Interference 4 x 15 mm
B-AI-0420	ActivaScrew™ Interference 4 x 20 mm
B-AI-0510	ActivaScrew™ Interference 5 x 10 mm
B-AI-0515	ActivaScrew™ Interference 5 x 15 mm
B-AI-0520	ActivaScrew™ Interference 5 x 20 mm
B-AI-0615	ActivaScrew™ Interference 6 x 15 mm
B-AI-0620	ActivaScrew™ Interference 6 x 20 mm
B-AI-0626	ActivaScrew™ Interference 6 x 26 mm
B-AI-0720	ActivaScrew™ Interference 7 x 20 mm
B-AI-0724	ActivaScrew™ Interference 7 x 24 mm
B-AI-0726	ActivaScrew™ Interference 7 x 26 mm
B-AI-0730	ActivaScrew™ Interference 7 x 30 mm
B-AI-0820	ActivaScrew™ Interference 8 x 20 mm
B-AI-0824	ActivaScrew™ Interference 8 x 24 mm
B-AI-0828	ActivaScrew™ Interference 8 x 28 mm
B-AI-0830	ActivaScrew™ Interference 8 x 30 mm
B-AI-0833	ActivaScrew™ Interference 8 x 33 mm
B-AI-0920	ActivaScrew™ Interference 9 x 20 mm
B-AI-0924	ActivaScrew™ Interference 9 x 24 mm
B-AI-0928	ActivaScrew™ Interference 9 x 28 mm
B-AI-0930	ActivaScrew™ Interference 9 x 30 mm
B-AI-0933	ActivaScrew™ Interference 9 x 33 mm
B-AI-1024	ActivaScrew™ Interference 10 x 24 mm
B-AI-1028	ActivaScrew™ Interference 10 x 28 mm
B-AI-1030	ActivaScrew™ Interference 10 x 30 mm
B-AI-1033	ActivaScrew™ Interference 10 x 33 mm



Instrumentation Options

Product Code	Description	pcs / package
B-IIS-1000	ActivaScrew™ Interference Instrument Set	1
set includes the following reusable instruments:		
B-II-8010	Notcher for interference screw	1
B-II-9031	Torx driver for interference screw	1
B-ISC-9013	Large handle, cannulated, quick coupling	1
B-II-9032	Torx shaft for 4/5/6 mm interference screw with quick coupling	1
B-II-0815B	K-wire Ø0.8 mm, length 150 mm, blunt ends, for 4/5/6 mm interference screw	4
B-II-0830B	K-wire Ø0.8 mm, length 300 mm, for 4/5/6 mm interference screw, blunt ends	4
B-II-1630B	K-wire Ø1.6 mm, length 300 mm, for 7/8/9/10/11 mm interference screw, blunt ends	4
B-II-4000	Drill bit Ø4.0 mm, cannulated, for 4 mm interference screws, quick coupling	1
B-II-5000	Drill bit Ø5.0 mm, cannulated, for 5 mm interference screws, quick coupling	1
B-II-6000	Drill bit Ø6.0 mm, cannulated, for 6 mm interference screws, quick coupling	1
B-II-9000	Sterilization tray, for ActivaScrew™ Interference instruments	1

Instruments are delivered unsterile.

Product properties

- Material: ActivaScrew™ Interference is made of PLGA, which safely absorbs in the body in approximately two years. The material has a long history in medical use and is proven to be safe in various scientific health care studies and practical use.
- Certificates: ActivaScrew™ Interference is FDA cleared.
- Product dimensions: ActivaScrew™ Interference is available in diameters 4-10 mm and lengths 10-33 mm.

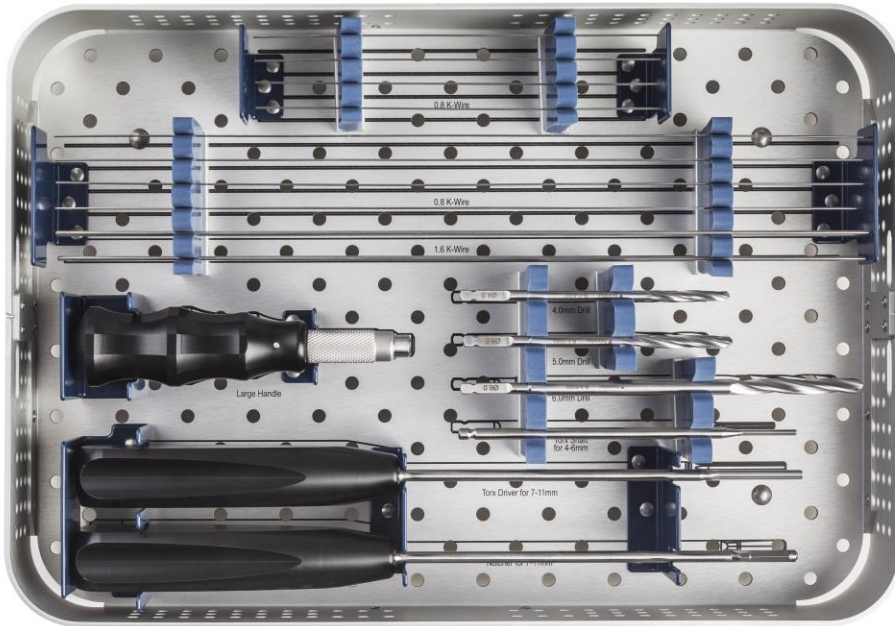
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ActivaScrew™ Interference Instrument Set



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Product Information and Availability Notice

Please refer to the package labelling and Instructions For Use to identify the intended use, indications and surgical technique for additional information.

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.

For orders and more information, contact sales@bioretec.com or visit www.bioretec.com.