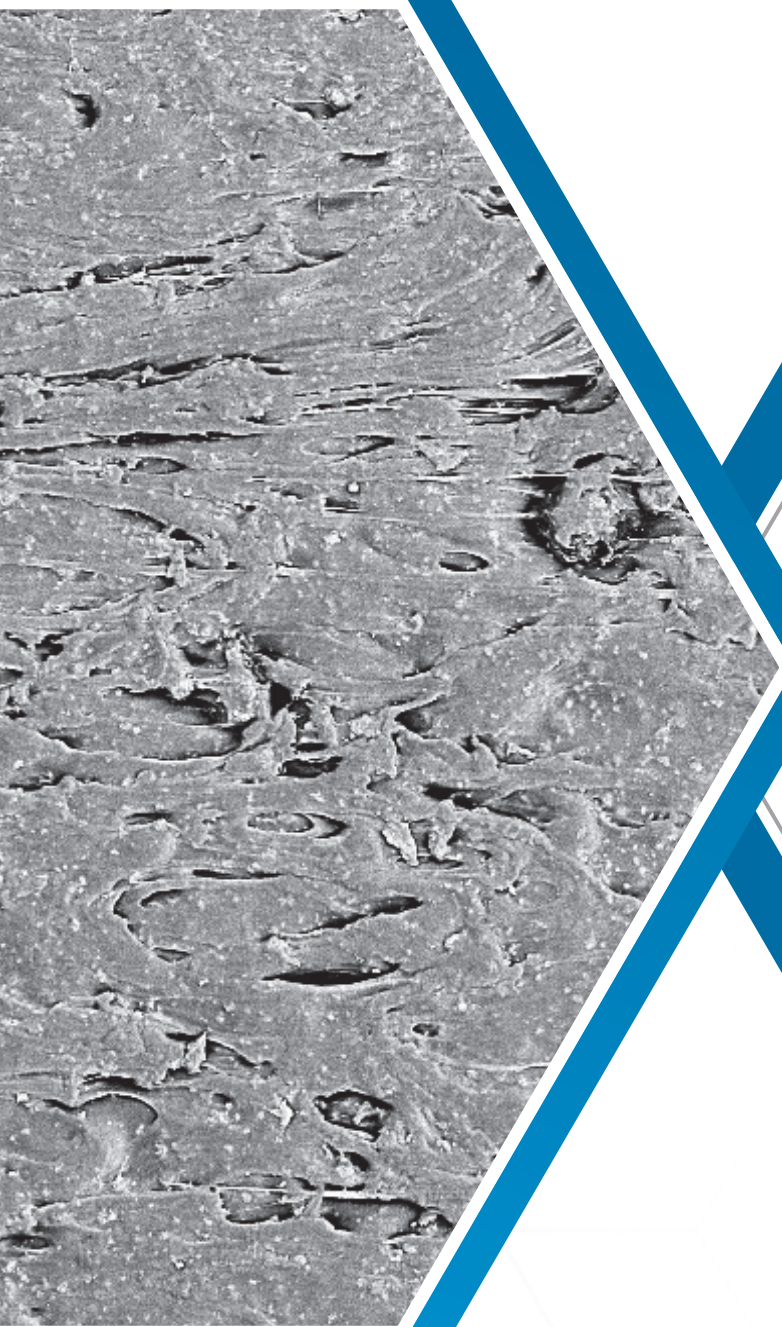




Biomatlante

Biologics Solutions



Osteotwin™

Resorbable Fixation System

Osteotwin™ is a biocompatible and resorbable interference screw composed of PLDLLA & BCP, or PLDLLA only.

Osteotwin™ is indicated for Knee Ligament Reconstruction.

Osteotwin™

Resorbable Fixation System

Orthopaedics:

It is intended for use for ligament/graft fixation within the osseous tunnel during knee ligament reconstruction.

Designed to provide fixation by interference between the ligament/graft and the bone tunnel during the consolidation period.

Technical information

Osteotwin™, resorbable and resistant interference screw

Osteotwin™ Composite
75% PLDLLA + 25% BCP

Based on MBCP® Technology, it is composed of 25% biphasic calcium phosphate (20%HA/80%β-TCP) that provides osteoconductive properties.

The addition of the mineral charge to PLDLLA improves ossification, reduces tunnel widening and increases cortical formation.

Osteotwin™ Composite presents the convenient ratio between the necessary mechanical resistance for ligament reconstruction and the faculty to generate bone ingrowth.

Osteotwin™ Poly lactic
100% PLDLLA

Composed exclusively of PLDLLA, it combines mechanical properties (L-lactide units) and biocompatibility improvement (amorphous D,L-lactide units), compared to a pure PLLA.

Resorbable

The composite screw is intended to be absorbed by the organism in 48 months, thanks to the mineral charge and a hydrolysis mechanism.

The poly lactic screw is intended to be resorbed by the organism in 30 months through a simple hydrolysis mechanism

Specifically designed for
Easy Insertion & Resistance

The specific design thread for each screw diameter allows maximum contact between implant and bone and makes Osteotwin™ interference screws more resistant to pull-out.

A specific 5-branch recess ensures proper distribution of the screwing torque.

The tip of screws 25 to 35mm is tailored to assist insertion into the bone tunnel. These screw sizes also benefit from an auto stopper half head design.

The larger tip and headless design of screws 20mm maximize contact with the graft.

Osteotwin™ interference screws are fully cannulated to insure alignment of the screw into the tunnel.

Sterilisation

Irradiation

Shelf-life

Composite: 3 years
Poly lactic: 2 years



Diameter x Length in mm



Available in different sizes
Composite or Poly lactic

Read instructions for use for a complete list of warnings, precautions, possible adverse events and other important medical information.

Not all products are registered or available in every country/region. Please check with Biomatlante representative for availability and further information.

Bibliography can be found at www.biomatlante.com

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