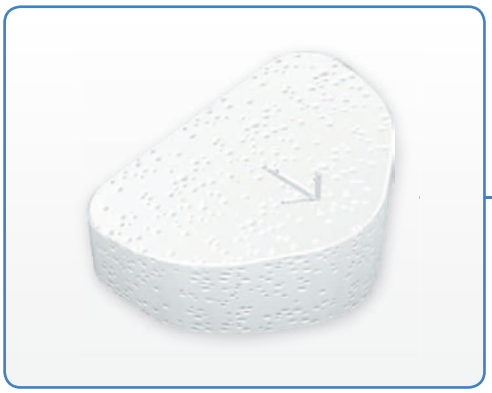
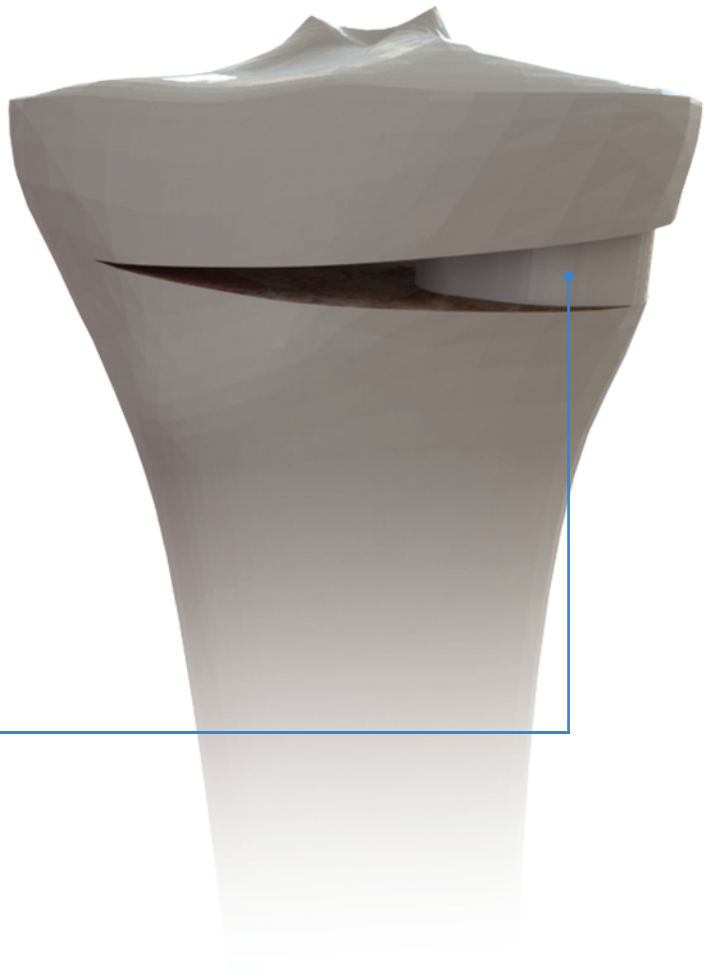
Opening Wedge High Tibial Osteotomy

Anatomically shaped resorbable implants

OTIS®





- Precise correction
- Various porosities
- Bioactive
- Synthetic

SBM
Science & Bio Materials

+ complete instrumentation set

Resorbable synthetic wedge

SBM, 20 years of experience, was the first company to manufacture synthetic wedges for High Tibial Osteotomy (HTO) by addition in 1996. Manufactured in Biosorb (100% β Tricalcium Phosphate), the OTIS® osteotomy line was adapted in porosity and sizes in order to provide the widest range available.

Adaptability

Anatomically shaped [15]

OTIS® implants have been designed to fit into the tibial osteotomy plane, by a design combining a flat lower surface and an angulated upper surface.

Several porosities

OTIS® implants have been adapted in terms of porosity to fit to any need: 30% porosity for a high mechanical resistance, 50% porosity for a fast resorption.

Perfect precision

A complete range of 10 height of wedges for a perfect correction from 6 to 15 mm.

Ensuring results

Bioactivity [1-15]

A real strong chemical link without fibrous interlaying is developped with bone, creating a long term biological fixation of the implant.

Osteointegration [1-15]

The total control of the macro-porosity guides bone cells and improves bone graft integration.

Resorption [1-15]

Due to its chemical composition, the implant is resorbed through a cellular process simultaneously to bone growth.

Wide choice of corrections

OTIS®

30 % porosity

Mechanical strength

(can be associated to a plate or staples)

OTIS 50®

50 % porosity

Accelerated resorption

(has to be associated with a locking plate)