Implants are manufactured in cooperation with Königsee Implants GmbH in Germany.

Subject to printing errors and other errors.

NEW!
FROM APRIL 2016.

METALLIC AND BIOABSORBABLE
THE INNOVATION: MAGNEZIX® Pin

www.syntellix.com
The most important advantages – an overview:

**MAGNEZIX®**

**NOW AVAILABLE AS PIN**

MAGNEZIX® – the superior alternative to titanium or polymer implants is now also available as pins: with diameters of 1.5, 2.0, 2.7 and 3.2 mm available in a total of 69 lengths, this offers you an even broader spectrum of indications for this innovative material!

In addition to quality Made in Germany, these pins offer you the well-established advantages of MAGNEZIX®:

- **Stability:** MAGNEZIX® Pins are considerably more stable than polymer implants and clearly superior to conventional absorbable products.
- **Osteoconductivity:** MAGNEZIX® Pins stimulate bone growth and are not only degraded but converted into body tissue.
- **Inhibits infections:** when magnesium degrades, it generates an alkaline, active antibacterial environment.
- **Tolerability:** no allergies or foreign body reactions are known for the components of the alloy.

**Metallic and bioabsorbable.**

**Osteoconductive.**

**Reduced risk of infection.**

**Virtually no radiological artefacts.**

**Suitable for diagnostics in MRI and CT.**

**Free of nickel and aluminium.**

**No known allergies and reactions to foreign bodies.**

**Considerably more stable than PLA/PGL implants.**

**Prevents “stress shielding”.**

Syntellix AG is an internationally operating German medical technology company specialised in the research, development and marketing of bioabsorbable metallic implants made of magnesium. We have received numerous awards for our work: in 2013, the “German Industry Innovation Award” and in 2015, the “Top Innovator Award” among German mid-sized businesses.
Head design
The flat designed head of the MAGNEZIX® Pin enables stable repositioning of the bone fragment and complete countersinking of the pin head. This avoids any damage to proximal structures due to protrusion. In addition, a recess in the pin head improves positioning of the impactor, slipping during placement of the pin is avoided.

Stabilising axial shaft design
The symmetrically arranged ribs of the pin shaft result in compression of the free bone fragment during placement of the implant. Furthermore, they increase the positioning precision of the implant and thus ensure repositioning during the healing process.

Design of the pin tip
The tip design of the MAGNEZIX® Pin displaces cancellous bone, compresses the implant bed and facilitates positioning of the MAGNEZIX® Pin.
INDICATIONS

NEW, DIVERSE APPLICATION OPTIONS

Depending on the chosen size, MAGNEZIX® Pin products can be used as bone pins for children, adolescents or adults for adaptive or mobilisation-stable fixing of bones, bone fragments or osteochondral fragments for areas that are only subjected to minor loads, for example:

- intra-articular and extra-articular fractures of small bones and bone fragments
- arthrodese and osteotomies of small bones and joints
- small bone ligament and sinew ruptures
- osteochondral fractures and dissecans

MAGNEZIX® Pin 1.5 among others:
- phalangeal, metacarpal bones
- osteochondritis dissecans

MAGNEZIX® Pin 2.0 among others:
- carpal, metacarpal, tarsal and metatarsal bones
- ulnar and radial styloid processes
- radial head and capitulum

MAGNEZIX® Pin 2.7 and 3.2 among others:
- Pijkin fractures
- metaphyseal fractures of the radius and ulna
- hallux valgus corrections

No compromises anymore:
The metallic MAGNEZIX® Pins are considerably more stable than conventional polymer implants, and in contrast to screws or K-wires, they do not have to be extracted again; they are absorbed and replaced with body tissue.

PRODUCT OVERVIEW

THE PINS – METALLICALLY STABLE AND BIOABSORBABLE

<table>
<thead>
<tr>
<th>PIN</th>
<th>DIMENSIONS</th>
<th>LENGTHS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAGNEZIX® Pin 1.5</td>
<td>Diameter 1.5 mm</td>
<td>Head diameter 2.5 mm</td>
</tr>
<tr>
<td>MAGNEZIX® Pin 2.0</td>
<td>Diameter 2.0 mm</td>
<td>Head diameter 3.0 mm</td>
</tr>
<tr>
<td>MAGNEZIX® Pin 2.7</td>
<td>Diameter 2.7 mm</td>
<td>Head diameter 4.0 mm</td>
</tr>
<tr>
<td>MAGNEZIX® Pin 3.2</td>
<td>Diameter 3.2 mm</td>
<td>Head diameter 5.0 mm</td>
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