

MAGNEZIX^{M3}

METALLIC AND BIOABSORBABLE

THE INNOVATION: MAGNEZIX® Pin

NEW!
FROM APRIL
2016.



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

Subject to printing errors and other errors.

Intelligent innovations for a better life.
www.syntellix.com

 SYNTELLIX

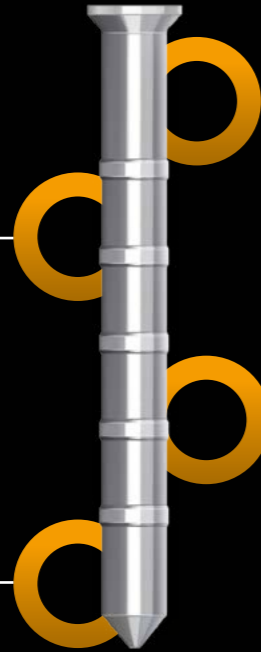
The most important advantages – an overview:

Virtually no radiological artefacts.

Suitable for diagnostics in MRI and CT.

Considerably more stable than PLA/PGL implants.

Prevents "stress shielding".



Metallic and bioabsorbable.

Osteoconductive.

Reduced risk of infection.

Free of nickel and aluminium.

No known allergies and reactions to foreign bodies.

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!

UNIQUE IN THE WORLD!

MAGNEZIX® Pins combine **metallic stability and bioabsorption**. This allows you to set new standards in traumatology and sports surgery.

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.

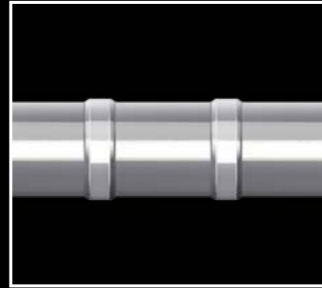
Tolerability: no allergies or foreign body reactions are known for the components of the alloy.



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.

Design features – at a glance:



FEATURES

DESIGN AND FUNCTION

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
- arthrodeses and osteotomies of small bones and joints
- small bone ligament and sinew ruptures
- osteochondral fractures and dissecates

MAGNEZIX® Pin 1.5 among others:

- phalangeal, metacarpal bones
- osteochondrosis 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:

- Pipkin 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.

DISCOVER
THE
BENEFITS!

PRODUCT OVERVIEW

THE PINS – METALLICALLY STABLE AND BIOABSORBABLE

PIN	DIMENSIONS		LENGTHS
MAGNEZIX® Pin 1.5 	Diameter	1.5 mm	8 to 30 mm
	Head diameter	2.5 mm	(in steps of 2 mm)
MAGNEZIX® Pin 2.0 	Diameter	2.0 mm	8 to 40 mm
	Head diameter	3.0 mm	(in steps of 2 mm)
MAGNEZIX® Pin 2.7 	Diameter	2.7 mm	12 to 50 mm
	Head diameter	4.0 mm	(in steps of 2 mm)
MAGNEZIX® Pin 3.2 	Diameter	3.2 mm	12 to 50 mm
	Head diameter	5.0 mm	(in steps of 2 mm)

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