

Bugiardino PinFix (EN)

Bone Screws for External Fixator PinFix®

Instructions and precautions for their use

Foreword

PinFix® screw is a self tapping and self drilling bone screw used with the external fixator. For its use also refer to the instructions that appear in literature nominating the external fixator. It is a medical surgical device intended to be used by medical staff only.

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Limitations and restrictions - sterilization

PinFix® screw is packaged in a sterile double bag and box for its protection. It is explicitly a single-use product and cannot be re-sterilized after the package has been opened; sterilization takes place by means of radiation.

The sterilization has guarantee on reported exp.date and whole package; in ambiguous case do not use it and replace.

Description

PinFix® is both a modern self-tapping and self-drilling screw and an important contact surface for thread/bone.

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Also the auto-drilling screws can require pre-perforation if the bone cortex is particularly resistant and/or thicker than 3-4 mm.

If the screw is inserted by a motor do not use a high-speed rotation.

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To assure the maximum hold the screw has to always be bi-cortex with at least 1-2 threads showing.

A screw with a diameter of 6mm should be used on a bone of at least 18/20 mm in diameter, otherwise evaluated the use of minor caliber screws.

To prevent osteolysis and to even out the load between the bone and the fixator the screws should be positioned perpendicular to the diaphysis or parallel to the articular joint .

If a drill bit is used, the diameter has to be suitable to the calibration of the screw and to the quality of the bone :

-screw diam. 5mm use 3.2-3.5mm drill in the cortex region. (evaluate do not drill in metaepiphyseal area)

-screw diam. 6mm use 4.5-4.8mm drill in the cortex region.

in the epiphyseal region it is advised to use 3.2-3.5mm drill.

Materials, brands and production

PinFix® screw is made of stainless steel according to the normative ISO 5832/1

PinFix®HA has thread covered with hidroxyhapatite (Osprovit® by Eurocoating Italy)

CE0476

PinFix® manufacturing by Dial Medicali srl Milano (Italy) and also sold with own trade mark DIALMED®