

INSTRUCTIONS FOR USE

STERILE KIRSCHNER WIRES, STEINMANN & DENHAM THREADED PINS

Description:

Sterile Kirschner, Steinmann and Denham Threaded Pins are made from 1.4441 grade stainless steel. Supplied in varying lengths and dimensions, both in single ended and double ended versions.

Application/Intended Use/Performance:

Kirschner wires are used to stabilize small bones. These wires are introduced percutaneously into the bone to stabilize bone fragments.

Steinmann and Denham Pins are used for traction of larger bones. These pins are pushed through the skin rotating clockwise to engage the thread into the bone. The pin should be sited at 90 degrees to the axis of the limb and in a horizontal plane.

When the threads of a Denham Pin reach the bone, screw them in so that some of the threads enter its cortex. The threads should lie in the cortex of the bone, not in the medulla. Secure the pin in a Bohler's stirrup or with Thomas pin mounts. Protect the sharp points with a cap to prevent injury.

To be used on patients with the following conditions:

- Fractures of the fingers & toes
- Orthopaedic Trauma conditions
- Elective Orthopaedic conditions

Procedures indicated:

- Reduction and fixation of bone fractures
- Hip surgery
- General Orthopaedic procedures

Intended User:

Qualified clinicians with the required specialist knowledge.

Patient Population:

No restriction on patient age or population.

Packing & Sterilisation:

Sterile Kirschner, Steinmann and Denham Threaded Pins are supplied sterile for single use only. Packed individually in a box of 5 or 10, sterilised by Gamma Irradiation in accordance with EN 11137.

Precautions:

- There is a risk of injury with sharp ends and care should be taken when handling.
- Avoid contact with the peroneal nerve when introducing the pin.
- When in situ, protect the point with caps.
- If there are any signs of infection around the pin, remove immediately.
- When removing, always unscrew a Denham Pin, do not pull it out.
- Precaution should be taken if the patient is subject to an MRI scan. Magnetic field may have adverse effect causing the migration of a K-wire
- The material is LATEX FREE.
- Must only be used for its intended purpose.
- Not for implantation - Must be removed from the wound before closure.
- Not to be used for longer than 60 minutes continuously.
- This device is supplied sterile, intended for single use ONLY.
- Not to be re-sterilised once opened.
- Do not use if the packaging is damaged or open. Dispose of immediately if packaging is found to be breached in any way.
- Re-use of single use devices present a risk of infection to the patient.

Storage:

- To be stored under normal ambient conditions.
- Keep away from direct sunlight and keep dry.
- Life of the product is limited to the expiry date on the label.

Disposal:

Can be disposed of without any special instructions and poses no danger if standard medical waste disposal regulations are observed.



Manufacturers name



Manufacturing date



Lot number



Expiry date



Method of sterilisation



Indicates single use



Refer to instructions



Keep dry



Keep out of direct sunlight



Do not use if packaging is damaged



Consult instructions for use

CE 1639

MERCIAN

Surgical Instruments of Excellence

Mercian Surgical Supply Co. Ltd.
10 Topaz Way, Topaz Business Park,
Bromsgrove, Worcestershire B61 0GD. UK

Tel: +44 (0) 844 879 1133

Email: info@merciansurgical.com

Date of issue: **August 2023**

Revision number: **3**