

Steinman Pin

Description

The Steinman Pin is a sturdy orthopaedic fixation device used primarily in bone fracture management and skeletal traction. Made of high-quality stainless steel, the 5mm Steinman pin provides reliable stability for bone fragments during healing. It's widely used in both human and veterinary orthopaedic surgeries.

Specifications & Sizes

- Diameter: 5 mm
- Length: Various lengths available to suit surgical requirements (commonly 150mm to 300mm)
- Smooth, strong, and rigid design for optimal bone fixation

Types

- Smooth Steinman Pins
- Threaded Steinman Pins

Material

- Surgical-grade stainless steel
- Corrosion-resistant and biocompatible

Category

- Orthopaedic Implants
- Bone Fixation Devices

Product Form

- Sterile, single-use pins or reusable depending on surgical protocols
- Available individually or in sets

Usage

- Used in skeletal traction for fracture immobilization
- Provides internal fixation for long bone fractures
- Commonly applied in veterinary and human orthopaedic surgeries

Advantages

- Provides strong and stable bone fixation
- Biocompatible material reduces risk of rejection
- Versatile use in multiple orthopaedic procedures

Disadvantages

- Requires surgical expertise for insertion and removal
- Potential risk of infection if not handled properly

Precautions

- Ensure sterile handling to prevent infection
- Select appropriate pin size and length for fracture type
- Monitor for signs of pin site infection post-surgery

Handling & Sterilization Details

- Sterilized before use, usually supplied in sterile packaging
- Reusable pins must be sterilized according to medical standards after each use
- Store in dry, sterile environment

Veterinary Application

- Used in fracture fixation and orthopaedic surgeries in animals
- Suitable for small to large animal bone stabilization
- Critical tool for veterinary orthopaedic trauma management

Human Application

- Widely used in trauma surgery and fracture management
- Supports effective bone healing and immobilization
- Applied in both emergency and elective orthopaedic procedures

HS & HSN Codes

- **HS Code:** 9021.10 — Orthopaedic devices (including pins)
- **HSN Code:** 9021 — Orthopaedic appliances

FAQs

Q: What is the purpose of a Steinman pin?

A: It is used to stabilize bone fractures through internal fixation or traction.

Q: Is the 5mm size suitable for all bones?

A: The 5mm diameter is commonly used for medium to large bones; size selection depends on fracture and bone type.

Q: Can Steinman pins be reused?

A: Some can be sterilized and reused, but often they are single-use to ensure sterility and integrity.

Q: Is the Steinman pin used in veterinary surgery?

A: Yes, it is a standard orthopaedic tool in veterinary fracture management.

Q: How is infection prevented at the pin site?

A: Through sterile technique during surgery and proper post-operative care.