

Hohmann Bone Lever Retractor

Description

Hohmann Bone Lever Retractors are sturdy surgical instruments designed to retract soft tissues and expose bones during orthopaedic procedures. These instruments provide excellent leverage and control, helping surgeons maintain clear visibility and access to the surgical site.

Specifications

- **Material:** High-quality stainless steel (rust-resistant, durable)
- **Finish:** Mirror-polished, smooth surface for easy sterilization
- **Design:** Lever-shaped with a flat blade at one end and handle for firm grip
- **Length:** Typically ranges from 15 cm to 25 cm (varies by model)
- **Packaging:** Usually sold individually or in surgical instrument sets

Types & Shapes

- **Standard Hohmann Retractor:** Straight lever with flat blade
- **Curved Variants:** Designed for easier access in certain surgical sites
- **Sizes:** Multiple sizes available depending on surgical need

Sizes

Common sizes range between 15 cm (6 inches) to 25 cm (10 inches) in length, varying by manufacturer.

Material

Made from surgical-grade stainless steel to ensure strength, corrosion resistance, and easy sterilization.

Category

Orthopaedic surgical instrument.

Product Form

Solid, lever-type instrument with flat blade and ergonomic handle.

Usage

- Used primarily in orthopaedic surgeries to retract muscles, tendons, and soft tissue to expose bone.
- Provides leverage to lift bones or maintain retraction during procedures such as fracture repair, joint surgeries, or bone grafting.

Advantages

- Durable and strong for effective retraction
- Ergonomic handle for better grip and control
- Smooth finish prevents tissue damage
- Easy to sterilize and reusable

Disadvantages

- Requires proper handling to avoid tissue injury
- Can be heavy or bulky depending on size
- Not suitable for very delicate soft tissues

Precautions

- Ensure proper sterilization before each use
- Use with care to avoid excessive force and tissue trauma
- Select size appropriate to surgical site

HS Code & HSN Code

- **HSN Code:** 9018.90 (Instruments used in medical, surgical, dental or veterinary sciences)
- Typically falls under the same category as other surgical retractors.

Handling

- Handle with care to avoid dropping or bending
- Store in protective trays or cases
- Avoid exposure to harsh chemicals outside sterilization agents

Sterilization Details

- Autoclave sterilization recommended (121°C for 15-20 minutes)
- Can also be sterilized by chemical means if needed
- Ensure drying before storage to prevent rust

Human Application

Widely used in orthopaedic surgeries for effective retraction and exposure of bone and surrounding tissues.

Veterinary Application

Used in veterinary orthopaedic procedures to aid in bone surgeries and other musculoskeletal interventions.

Frequently Asked Questions (FAQs)

Q1: What is a Hohmann Bone Lever Retractor used for?

A1: It is used to retract soft tissues and expose bones during orthopaedic surgeries.

Q2: What materials are Hohmann Retractors made of?

A2: Made from surgical-grade stainless steel for durability and corrosion resistance.

Q3: Can it be used in veterinary surgeries?

A3: Yes, it is widely used in veterinary orthopaedic procedures.

Q4: How should it be sterilized?

A4: Recommended sterilization is autoclaving at 121°C for 15-20 minutes.

Q5: Are there different sizes available?

A5: Yes, sizes typically range from 15 cm to 25 cm depending on surgical requirements.