

# Weitlaner & Mastoid Retractors

## Description

The **Weitlaner Retractor** is a versatile self-retaining surgical instrument used to hold back tissues during various surgeries, providing enhanced visibility and access to the surgical site. It features finger ring handles with a ratchet lock mechanism and sharp or blunt prongs, designed for general surgical use including orthopedic, plastic, and hernia surgeries.

The **Mastoid Retractor** (also known as the Mollison Mastoid Retractor) is a specialized self-retaining instrument primarily designed for ear surgeries involving the mastoid area. It has a smaller, curved design tailored for mastoidectomies, middle ear surgeries, cochlear implants, and ear canal procedures, also equipped with a ratchet lock and finger ring handles.

## Specification

- **Weitlaner Retractor:**
  - Length: 4.25" to 6.5" (various sizes available)
  - Prongs: 2x3, 3x3, or 3x4 (sharp or blunt)
  - Material: Surgical-grade stainless steel
- **Mastoid Retractor:**
  - Length: Approximately 4 inches
  - Prongs: Sharp or blunt, curved for ear anatomy
  - Material: Surgical-grade stainless steel

## Sizes

- Weitlaner Retractors come in multiple sizes and prong configurations to suit different surgical needs.
- Mastoid Retractors are typically smaller and designed specifically for ear surgeries.

## Shapes & Types

- Both retractors feature finger ring handles with ratchet locks for self-retention.
- Weitlaner has straight or slightly curved prongs depending on model.
- Mastoid Retractor has a curved blade to fit the mastoid area.

## **Material**

- Made from high-quality surgical-grade stainless steel, ensuring durability, corrosion resistance, and ease of sterilization.

## **Category**

### **Surgical Retractors – Self-Retaining Instruments**

## **Product Form**

Reusable stainless steel surgical instrument with ratchet locking finger ring handles and multiple prong configurations.

## **Usage**

- **Weitlaner Retractor:** Used in orthopaedic, plastic, general, hernia, and mastoid surgeries to hold back soft tissues.
- **Mastoid Retractor:** Specialized for ENT surgeries involving the mastoid and middle ear area.

## **Advantages**

- Self-retaining mechanism frees surgeon's hands.
- Durable and reusable after sterilization.
- Available in multiple sizes and prong types for versatility.
- Provides excellent tissue retraction with minimal trauma.

## **Disadvantages**

- Prong tips can cause tissue damage if not used carefully.
- Requires proper sterilization after each use.
- Smaller mastoid retractors are limited to ENT applications.

## **Precautions**

- Use appropriate prong type (sharp or blunt) as per surgical requirement.
- Handle with care to avoid injury or damage to tissues.
- Always sterilize before and after use.

## **HS & HSN Codes**

- HS Code: 9018.90 – Instruments and appliances used in medical, surgical, dental or veterinary sciences
- HSN Code: 9018

## **Handling**

- Handle with surgical gloves during procedures to maintain sterility.
- Use the ratchet lock carefully to secure tissue without excessive pressure.
- Clean and sterilize thoroughly after every use.

## **Sterilization Details**

- Suitable for autoclaving and standard sterilization methods used in surgical instruments.
- Stainless steel construction withstands repeated sterilization cycles.

## **Human Application**

- Widely used in human surgical procedures including orthopaedics, general surgery, plastic surgery, and ENT.

## **Veterinary Application**

- Used in veterinary surgeries requiring tissue retraction, particularly in orthopaedic and ENT veterinary procedures.

## **Frequently Asked Questions (FAQs)**

### **Q1: Are Weitlaner and Mastoid retractors interchangeable?**

A1: No. Weitlaner retractors are general-purpose, while Mastoid retractors are specialized for ear surgeries.

### **Q2: Can the prongs be sharp or blunt?**

A2: Yes, both retractors come with options for sharp or blunt prongs.

### **Q3: Are these instruments reusable?**

A3: Yes, they are made of surgical-grade stainless steel and can be sterilized and reused.

### **Q4: What sterilization methods are suitable?**

A4: Autoclaving and standard surgical instrument sterilization procedures are appropriate.

### **Q5: Can these retractors be used in veterinary surgeries?**

A5: Yes, both retractors are used in veterinary surgeries, especially in orthopaedics and ENT procedures.