

MASTOID SELF-RETAINING RETRACTOR

DESCRIPTION

A Mastoid Self-Retaining Retractor is a specialised ENT (Ear, Nose, Throat) surgical instrument used to hold soft tissues apart during mastoidectomy and ear surgeries. It features outward-directed sharp prongs and a locking mechanism that keeps the surgical field open without the need for manual assistance. The retractor provides excellent visibility and access for delicate bone and soft-tissue work in the mastoid region.

SPECIFICATION

- **Material:** High-grade surgical stainless steel
- **Arms:** Dual outward-curving arms designed for optimal tissue separation
- **Tips:** Sharp prongs (2×2 or 3×3 depending on model)
- **Mechanism:** Self-retaining ratchet lock
- **Finish:** Satin/matte to reduce glare under operating lights
- **Usage Type:** Reusable and fully autoclavable
- **Grip:** Ring-handle or solid grip depending on design
- **Working End:** Wide span suitable for mastoid exposure

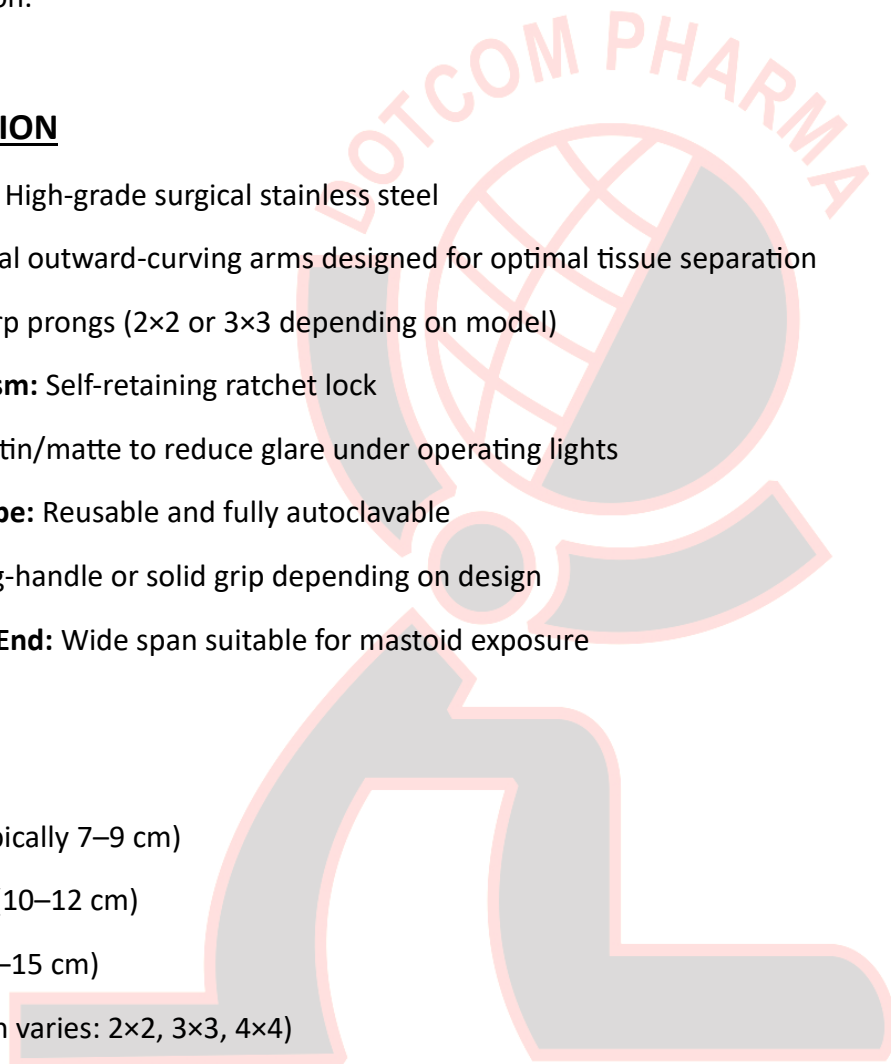
SIZES

- Small (typically 7–9 cm)
- Medium (10–12 cm)
- Large (13–15 cm)

(Tip configuration varies: 2×2, 3×3, 4×4)

SHAPES

- Straight mastoid retractor
- Curved-arm mastoid retractor
- Narrow-prong configuration
- Wide-prong configuration
- Deep cavity retractors



MATERIAL TYPES

- Stainless Steel SS 304
- Stainless Steel SS 316 (high surgical grade)
- Hardened stainless steel for durable prongs

CATEGORY

- ENT Surgical Instruments
- Self-Retaining Surgical Retractors
- Neurosurgical & Cranial Access Tools

PRODUCT FORM

- Stainless-steel self-retaining retractor
- Sharp pronged ends with lock mechanism
- Reusable, non-sterile when supplied

USAGE

Human Application:

- Mastoidectomy procedures
- Ear canal and middle ear surgeries
- Cranial and temporal bone exposure
- Soft tissue retraction around the mastoid region
- ENT, neuro-otology, and otolaryngology procedures

Veterinary Application:

- Used in small-animal ENT surgeries (rare but applicable)
- Provides access in delicate skull and ear operations

ADVANTAGES

- Provides hands-free retraction
- Sharp prongs anchor securely in tissue
- Enhances visibility and working space
- Durable and corrosion-resistant stainless steel

DISADVANTAGES

- Sharp prongs can cause trauma if placed aggressively
- Not suitable for delicate or superficial tissues
- Requires proper positioning to avoid slippage
- Prongs may dull over long-term use

PRECAUTIONS

- Place prongs gently to avoid unnecessary tearing
- Ensure correct alignment before locking mechanism
- Avoid excessive opening to prevent tissue overload
- Inspect tips for sharpness or damage before surgery
- Use only by experienced ENT professionals

HANDLING DETAILS

- Hold by the finger rings or grip handle
- Insert slowly and position tips symmetrically
- Engage ratchet lock gradually
- Remove carefully by releasing ratchet first
- Store with tip protectors or in padded trays

STERILISATION DETAILS

- Fully autoclavable
- EO (Ethylene Oxide) compatible
- Safe for plasma and chemical sterilisation
- Clean prongs thoroughly to remove debris
- Dry completely to avoid corrosion spots

HS CODE (Harmonized System Code)

HS Code: 9018 – Medical, surgical, dental, veterinary instruments.

HSN CODE (India)

HSN Code: 9018.90 – Other surgical instruments & appliances.

? FAQ (Frequently Asked Questions)

1. What is a Mastoid Self-Retaining Retractor used for?

It is used to hold tissues apart during mastoid and ear surgeries, providing hands-free access.

2. Does it have a locking mechanism?

Yes, it includes a ratchet lock that keeps the arms open without manual assistance.

3. What material is it made from?

It is made from surgical-grade stainless steel (SS 304, SS 316, or SS 410).

4. Can it be used in veterinary surgeries?

Yes, although less common, it can be used in small-animal ENT procedures.

5. Is it reusable?

Yes, it is fully reusable and autoclavable.

