

ROOT ELEVATOR

DESCRIPTION

A Root Elevator is a dental extraction instrument used to loosen, elevate, and luxate teeth or root fragments from the socket before forceps extraction. It works by applying controlled leverage between the root and bone, reducing trauma and aiding smooth removal. Root Elevators are essential in dental, oral surgery, and veterinary procedures for safe and effective tooth extraction.

SPECIFICATION

- **Material:** High-grade stainless steel
- **Working End:** Sharp/flat/curved blade depending on type
- **Handle:** Ergonomic, serrated or smooth, slip-resistant
- **Design:** Single-ended or double-ended
- **Length:** 14–16 cm
- **Finish:** Satin or polished
- **Usage Type:** Reusable and autoclavable
- **Function:** Luxation, elevation, and loosening of teeth/roots

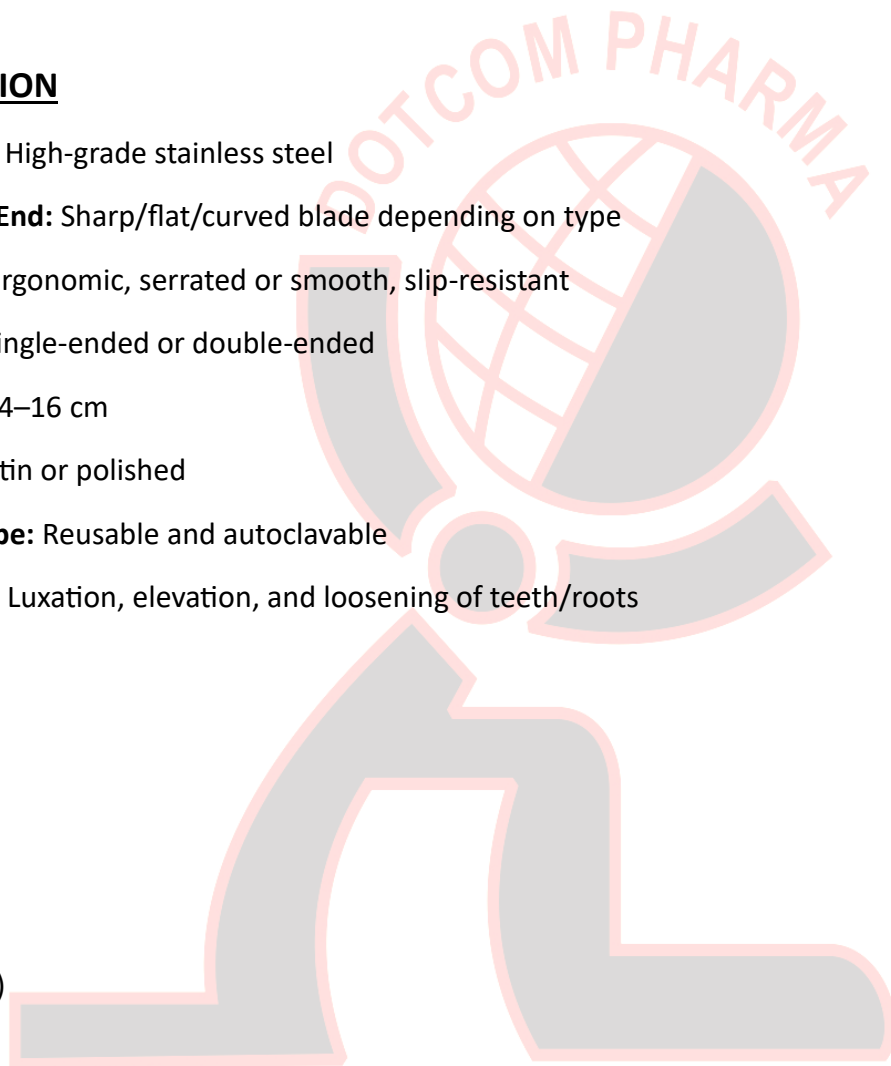
SIZES

- 14 cm
- 15 cm
- 16 cm

(Varies by model)

TYPES & SHAPES

- Straight Root Elevator
- Curved Root Elevator
- Cryer Elevator (Left & Right)
- Warwick-James Elevator
- Apexo Elevator
- Coupland Elevator



MATERIAL TYPES

- Stainless Steel SS 410 (hardened cutting edge)
- Stainless Steel SS 304
- Stainless Steel SS 316 surgical grade

CATEGORY

- Dental Extraction Instruments
- Oral Surgery Tools
- Veterinary Dental Equipment

PRODUCT FORM

- Stainless-steel, hand-held elevator instrument
- Single working tip
- Reusable, non-sterile when supplied

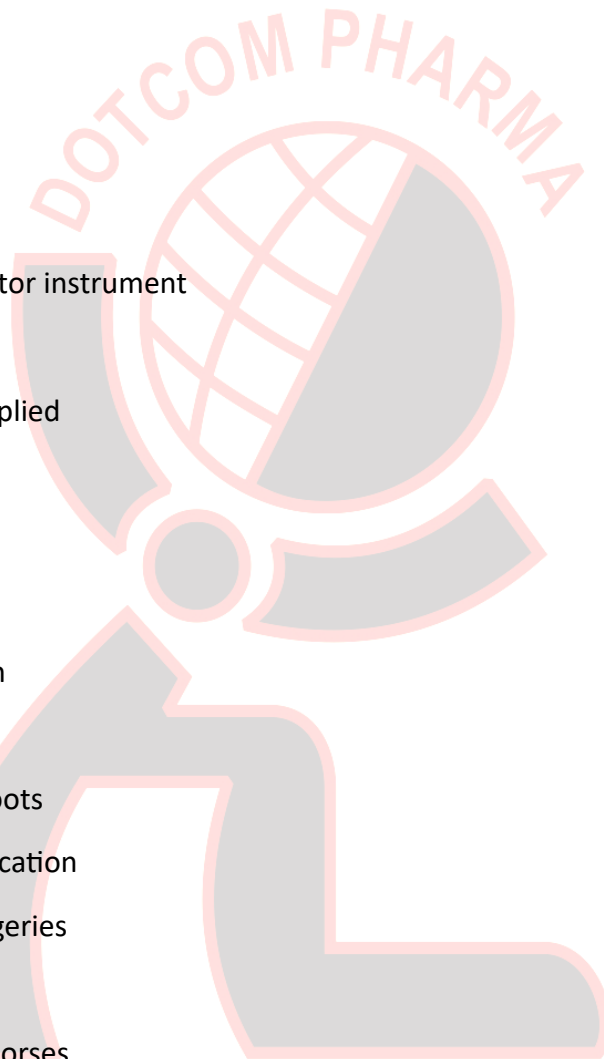
USAGE

Human Application:

- Luxating teeth before extraction
- Elevating roots and fragments
- Removing broken or retained roots
- Creating space for forceps application
- Used in oral & maxillofacial surgeries

Veterinary Application:

- Tooth extraction in dogs, cats, horses
- Loosening retained or decayed roots
- Elevating fractured dental structures



★ ADVANTAGES

- Precise lift and leverage
- Minimises bone trauma
- Autoclavable and reusable
- Strong, durable stainless steel
- Allows easy forceps placement
- Reduces extraction difficulty

⚠ DISADVANTAGES

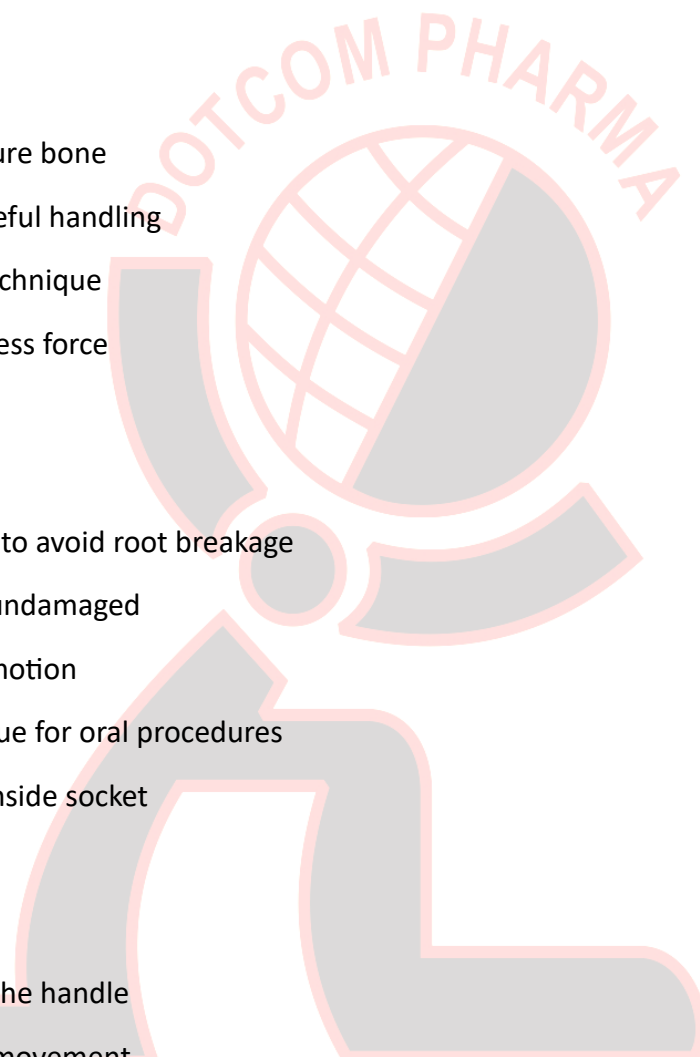
- Improper use may fracture bone
- Sharp edges require careful handling
- Requires professional technique
- Can slip if used with excess force

🚫 PRECAUTIONS

- Use controlled pressure to avoid root breakage
- Ensure tip is sharp and undamaged
- Avoid excessive prying motion
- Maintain sterile technique for oral procedures
- Do not twist forcefully inside socket

📦 HANDLING DETAILS

- Hold using firm grip on the handle
- Apply gentle rotational movement
- Support jaw or tissue to avoid injury
- Clean thoroughly to remove debris
- Store with edge protectors



STERILISATION DETAILS

- Fully autoclavable
- EO (Ethylene Oxide) compatible
- Safe for chemical disinfectants
- Dry completely to prevent corrosion
- Avoid abrasive scrubbing on tips

HS CODE (Harmonized System Code)

HS Code: 9018 – Surgical, dental, and veterinary instruments.

HSN CODE (India)

HSN Code: 9018.49 – Other dental instruments & appliances.

FAQ (Frequently Asked Questions)

1. What is a Root Elevator used for?

To loosen and elevate teeth or root fragments before extraction.

2. Are there different types of Root Elevators?

Yes — including Cryer, Coupland, Seldin, Apexo, and Warwick-James.

3. Is it reusable?

Yes, made of stainless steel and fully autoclavable.

4. Can Root Elevators be used for animals?

Yes, commonly used in veterinary dentistry.

5. Does it replace forceps?

No, it assists and prepares the tooth for easier forceps extraction.