

Eye Hook

Description:

An **Eye Hook** is a surgical instrument primarily used in **ophthalmology** for manipulating the eye during surgery. It is designed to hold the eye in a specific position while the surgeon performs delicate procedures. The hook is especially useful for handling the eye in **cataract surgery, glaucoma surgery, and other ocular surgeries**.

The **Eye Hook** is available in different sizes, and can have either **sharp** or **blunt** tips depending on the surgical needs. **Sharp** tips are used for more precise manipulation, while **blunt** tips are typically preferred for softer, less invasive manoeuvres.

Specifications:

- **Material:** Stainless Steel or Titanium (for superior strength and corrosion resistance)
- **Finish:** Satin or Mirror finish for easy cleaning and rust resistance
- **Handle Type:** Ergonomically designed for a firm grip
- **Hook Shape:** Slight curve, designed to fit securely around the eye

Sizes:

- **Size 2:** Small size, ideal for paediatric or delicate surgeries.
- **Size 4:** Medium size, for general ophthalmic use.
- **Size 6:** Larger size, used in more invasive procedures or in adult patients with larger eyes.

Sharp / Blunt Tips:

- **Sharp:** For precision, often used for holding tissues or making delicate adjustments.
- **Blunt:** Less invasive, used when gentler manipulation is needed to avoid trauma to the eye.

Types:

1. **Single End Eye Hook:** One hook, typically used for specific manipulation of the eye.
2. **Double End Eye Hook:** Two hooks of different sizes or tip types for versatile use in the same procedure.

Material:

- **Stainless Steel:** High durability and corrosion resistance, ensures the hook remains sharp.
- **Titanium Coated:** For added durability and resistance to rust and wear.

Category:

- **Ophthalmic Instruments**
- **Surgical Hooks**

Product Form:

- Surgical Hook (Manual Tool)

Usage:

- **Human Applications:** Used in ophthalmic surgeries such as **cataract removal, glaucoma surgery, and retinal surgeries.**
- **Veterinary Applications:** Used in animal eye surgeries, particularly in larger animals where more precision is needed.

Advantages:

- **Precision:** Offers controlled manipulation of delicate eye tissues.
- **Versatility:** Available in multiple sizes and tip configurations for different needs.
- **Ergonomic Handle:** Designed for ease of use during long surgeries.

Disadvantages:

- **Skill Required:** Precise handling is necessary to avoid causing injury to the eye.
- **Limited Use:** Primarily used in **ophthalmic surgeries**, not suitable for general surgeries.
- **Can be Expensive:** Depending on the material and brand, these instruments can be costly.

Precautions:

- Always ensure the hook is sterilized properly before use.
- Use gentle pressure to avoid causing trauma to the eye.
- Check for any wear or damage before each use.

HS / HSN Code:

- **HS Code:** 9018.90.30 (Medical and Surgical Instruments)
- **HSN Code:** 9018.90 (Surgical Instruments for Ophthalmology)

Handling Instructions:

- Clean thoroughly after each use with a medical-grade disinfectant.
- Sterilize the Eye Hook after each procedure to ensure patient safety.
- Store in a secure, dry place to prevent damage.

Sterilization Details:

- Can be sterilized using autoclaving (steam sterilization) or chemical sterilization.
- Recommended autoclave temperature: **121°C to 134°C** for 15-20 minutes.
- Ensure the instrument is fully dry before storing to prevent rust.

Human Applications:

- **Ophthalmic Surgeries:** Used in various eye surgeries, including **cataract** and **retinal surgery**.
- **Glaucoma Surgery:** Helps in the repositioning of the eye during surgery.
- **Corneal Procedures:** Assists with manipulating and holding the eye in delicate procedures.

Veterinary Applications:

- **Animal Eye Surgeries:** Used in procedures requiring fine control of the eye, such as in **veterinary ophthalmology** for pets and larger animals like horses and cattle.

? Frequently Asked Questions (FAQs)

1. **What is an Eye Hook used for?**

ANS: An **Eye Hook** is used in **ophthalmic surgeries** to manipulate and hold the eye in place during delicate procedures such as **cataract surgery**, **retinal surgery**, and **glaucoma surgery**.

2. **What are the different sizes of Eye Hooks?**

ANS: Eye Hooks come in **Size 2**, **Size 4**, and **Size 6**, with each size designed for different types of surgeries and eye sizes.

3. **What is the difference between a sharp and blunt Eye Hook?**

ANS: A **sharp Eye Hook** is used for precise tissue manipulation and holding, while a **blunt Eye Hook** is gentler and is used to avoid trauma to the eye.

4. **Can Eye Hooks be used in veterinary medicine?**

ANS: Yes, **Eye Hooks** are used in **veterinary ophthalmic surgeries**, especially for larger animals such as **horses** and **cattle**, where precision is required.

5. **How do I sterilize an Eye Hook?**

ANS: **Eye Hooks** can be sterilized using **autoclaving** at **121°C to 134°C** for 15-20 minutes or through chemical sterilization methods.

