

# Suture Needle

## Description

Suture needles are essential surgical instruments designed for stitching tissues together after surgical procedures or injuries. They come in various shapes and sizes to accommodate different types of tissues and surgical techniques. Made from high-quality stainless steel, they are sharp, durable, and provide precise control during suturing.

## Specifications & Sizes

- Sizes range from small (6 mm) to large (50 mm) depending on application
- Needle Curvatures: 1/4 circle, 3/8 circle, 1/2 circle, and straight

## Shapes & Types

- Curved
- Half Circle
- Straight
- Reverse Cutting
- Eye Curved
- Straight Reverse Cutting

## Material

- Surgical-grade stainless steel for strength and corrosion resistance
- Sometimes coated with silicone or other materials to reduce friction

## Category

- Surgical Instrument
- Suturing Tools

## **Product Form**

- Single or double-ended needles
- Sterile individually packaged or in sterile trays
- Attached or detached from suture threads

## **Usage**

- Closing wounds or surgical incisions by stitching tissue layers
- Used in both human and veterinary surgeries for tissue repair
- Compatible with various suture materials like absorbable and non-absorbable threads

## **Advantages**

- Precise tissue penetration with minimal trauma
- Variety of shapes and sizes for diverse surgical needs
- Durable and corrosion-resistant for safe use
- Often designed for single use to maintain sterility

## **Disadvantages**

- Requires skill to handle safely and effectively
- Single-use needles contribute to medical waste
- Improper use can cause tissue damage or needle stick injuries

## **Precautions**

- Always use sterile needles to prevent infections
- Handle with care to avoid accidental needle sticks
- Dispose of used needles in approved sharps containers
- Match needle type and size appropriately to tissue type

## Handling & Sterilization Details

- Sterile packaged, ready for immediate use
- Store in a dry, sterile environment
- Do not reuse needles; dispose of after single use

## Veterinary Application

- Widely used for suturing wounds and surgical incisions in animals
- Different needle types chosen based on animal size and tissue type
- Essential in both routine and complex veterinary surgeries

## Human Application

- Standard instrument in all surgical specialties for wound closure
- Used in emergency, elective, and reconstructive surgeries
- Helps promote proper healing and reduces infection risk

## HS & HSN Codes

- **HS Code:** 9018.39 — Instruments and appliances used in medical, surgical, dental, or veterinary sciences, not elsewhere specified
- **HSN Code:** 9018 — Medical, surgical, dental, or veterinary instruments and appliances

## FAQs

### **Q: What needle type is best for delicate tissue?**

A: Taper point needles are preferred for delicate tissues to minimize trauma.

### **Q: Can suture needles be reused?**

A: No, they are designed for single use to maintain sterility and sharpness.

### **Q: Are suture needles used in veterinary surgery?**

A: Yes, they are essential for wound closure in veterinary procedures.

### **Q: How should used needles be disposed of?**

A: Place them in approved sharps containers to prevent injury and contamination.

### **Q: How to choose the right needle size?**

A: Select based on tissue type, thickness, and surgical procedure requirements.