

General Instrument Set

Description

The General Instrument Set is a comprehensive collection of basic surgical tools used in routine procedures across medical and veterinary fields. It includes a variety of instruments such as scissors, forceps, needle holders, and scalpels designed to perform general surgical tasks.

Specification

- Sterile or non-sterile sets available
- Instruments made of surgical-grade stainless steel
- Available in different configurations (minor, major, basic, advanced)
- Usually packed in sterilizable trays or rolls

Sizes

- Set sizes vary depending on procedure (Minor Set, Major Set, Emergency Set)
- Instruments within sets range from 10 cm to 20+ cm

Shapes

- Straight, curved, or angled depending on instrument type
- Ergonomically designed handles for better grip

Types

- **Minor Surgery Set**
- **Major Surgery Set**
- **Emergency Instrument Set**
- **Diagnostic Set**

✂ Material

- High-grade stainless steel
- Optional tungsten carbide inserts (in scissors or needle holders)
- Anti-corrosive and autoclavable materials

📁 Category

- Surgical instruments
- General surgery and multipurpose kits

📦 Product Form

- Reusable instrument set
- Comes in trays, rolls, or sterilization cassettes

⚙ Usage

- Used in general surgical procedures including incisions, suturing, cutting, and tissue handling
- Also used in emergency and field surgeries
- Applicable in both human and veterinary surgeries

✅ Advantages

- All-in-one set for quick access during procedures
- Customizable based on surgical specialty
- Durable and long-lasting
- Easy to sterilize and maintain

❌ Disadvantages

- Some instruments may not suit specialized procedures
- Initial cost may be high for premium-quality sets
- Requires careful handling to avoid loss or damage

Precaution

- Always inspect the set before and after use
- Replace worn-out instruments immediately
- Ensure all instruments are counted and accounted for post-surgery

HS / HSN Code

- HS Code: 9018.90 (Other instruments and appliances used in medical/surgical/veterinary sciences)
- HSN Code: 9018

Handling

- Use instrument trays or cassettes for safe transport
- Avoid dropping or mixing sharp instruments
- Store in dry, clean, and sterile environment

Sterilization Details

- Autoclave recommended (121–134°C for 15–30 mins)
- Can also be cold sterilized using glutaraldehyde-based solutions
- Dry instruments completely before storage to prevent rusting

Veterinary Applications

- Routine surgeries on small and large animals
- Emergency procedures in clinics and field settings
- Neutering, dehorning, abscess drainage, and wound management

Human Applications

- General surgical procedures in hospitals, clinics, and emergency rooms
- Used for incisions, suturing, tissue dissection, and dressing changes
- Common in minor surgeries and diagnostic procedures

? FAQs (Frequently Asked Questions)

1.What is a General Instrument Set (GIS)?

Standard set of surgical and diagnostic tools for human and veterinary use.

2.What materials are used?

Primarily surgical-grade stainless steel, with some titanium parts.

3.Can instruments be shared between humans and animals?

No, separate sets prevent contamination.

4.How often should instruments be sterilized?

Before and after every use.

5.How should instruments be maintained?

Clean, inspect, lubricate hinges, and store properly.

