

# Animal Surgical Structural Trolley

## Description

An **Animal Surgical Structural Trolley** is a mobile, stainless-steel platform designed to support animals during **surgical, diagnostic, or treatment procedures**.

It provides a **stable, height-appropriate, hygienic, and easily cleanable surface** for veterinary surgeons. The trolley is built with **high structural strength**, smooth edges, and durable wheels to allow safe movement of animals within clinics, operation theatres, and grooming centres.

Commonly used for **small animals (dogs, cats, rabbits)** but can also be built in heavier-duty variants for medium-sized animals.

## Specification

- **Product Name:** Animal Surgical Structural Trolley
- **Category:** Veterinary Surgical Support Equipment
- **Product Form:** Rectangular or square stainless-steel trolley with wheels and support frame
- **Material:** Medical-grade stainless steel (usually SS304 or SS316)
- **Surface Design:** Flat, anti-slip or perforated top depending on model
- **Top Size Range:**
  - Small: 60–80 cm length
  - Medium: 90–120 cm length
  - Large: 120–150 cm length
- **Height:** Standard 80–100 cm or adjustable height models
- **Load Capacity:** 40–200 kg depending on construction
- **Wheels:** Medical-grade, noiseless, lockable castor wheels
- **Optional Add-ons:** Instrument tray, waste basin hooks, straps, railings, drainage hole, IV pole attachment
- **Finish:** Matte, polished, or anti-corrosive surface

## Types

- **Standard Surgical Trolley:**  
Basic flat stainless-steel top with four wheels for standard procedures.
- **Adjustable-Height Surgical Trolley:**  
Hydraulic or manual height adjustment for ergonomic surgeries.
- **Perforated Top Surgical Trolley:**  
Allows drainage during washing or wet procedures.
- **Restraint-Integrated Trolley:**  
Built with side rails, hooks, or straps for animal safety during handling.
- **Heavy-Duty Structural Trolley:**  
Reinforced frame for larger animals or heavy diagnostic equipment.
- **Multi-Layer Trolley:**  
Includes one or more lower shelves for surgical instruments or equipment.

## Material

- **Stainless Steel (SS304 / SS316):**  
Corrosion-resistant  
High durability  
Easy to clean and sterilise
- **Rubber or PVC-coated Wheels:**  
Silent movement  
High traction  
Locking system for stability
- **Optional Non-slip Rubber Mats:**  
For animal comfort and additional safety

## Sizes & Shapes

- **Shape Options:**  
Rectangular (most common)  
Square  
Slotted/perforated  
Raised-edge design (anti-spill)
- **Size Variants:**  
Small, Medium, Large based on animal breed and clinical requirement
- **Frame Designs:**  
Tubular frame  
Square pipe frame  
Reinforced X-frame for high load

## Usage

### **Veterinary Clinic Usage**

- General minor surgeries
- Preparation and shaving procedures
- IV drip placement
- Wound cleaning and dressing
- Dental cleaning procedures
- Animal examination and restraint
- Movement of sedated animals

### **Hospital / OT Usage**

- Pre-operative and post-operative positioning
- Transporting animals between wards and OT
- Sterile instrument placement (in multi-layer variants)

### **Grooming & Boarding Centres**

- Bathing support
- Grooming table alternative (in metal top format)

## Handling

- Ensure wheels are **locked** during procedures
- Clean the surface **before and after every case**
- Always check stability before placing the animal
- For large animals, ensure load capacity is not exceeded
- Move slowly when transporting sedated or injured animals
- Use restraint straps to prevent sudden movement

## Sterilisation & Cleaning

- Clean with **mild disinfectant** or veterinary-safe cleaning solutions
- Avoid harsh chemicals that damage stainless steel
- Dry surface thoroughly to prevent water spots
- Deep clean after surgical use
- For perforated tops, remove detachable parts for thorough washing

### **Advantages**

- Easy mobility inside veterinary clinics
- Durable stainless-steel structure
- Supports a wide range of procedures
- Easy to clean and highly hygienic
- Height and design flexibility
- Safe for animals due to smooth edges and strong support

### **Disadvantages**

- Stainless steel may feel cold for animals without padding
- Heavy-duty models can be heavier to push
- Wheels require regular maintenance
- Adjustable models are more expensive

### **Precautions**

- Always lock wheels during procedures
- Do not exceed weight limits
- Keep surface dry to avoid animal slipping
- Use straps for aggressive or nervous animals
- Regularly inspect weld points and wheel brakes
- Disinfect thoroughly between patients to avoid cross-contamination

### **HS & HSN Codes**

- **HS Code:** 9018.90 – Medical, surgical and veterinary instruments & appliances
- **HSN Code (India):** 9018 90 99 – Other surgical instruments and equipment (includes veterinary instruments and trolleys)

## **? Frequently Asked Questions**

### **Q1. What is an Animal Surgical Structural Trolley (ASST)?**

It is a stainless-steel mobile platform used to support small to medium-sized animals during surgical or medical procedures.

### **Q2. Is the trolley height adjustable?**

Some models are fixed height, while others have hydraulic or manual adjustable height systems.

### **Q3. Can it be used for heavy animals?**

Yes, heavy-duty variants are designed to support higher weights with reinforced frames.

### **Q4. What material is most durable for veterinary use?**

Medical-grade stainless steel (SS304 or SS316) is the most durable and hygienic option.

### **Q5. How do you maintain the trolley?**

Regular cleaning, wheel lubrication, checking brakes, and disinfecting after each use ensures long life and safety.

