



HAMSAN
S U R G I C A L

SURGICAL INSTRUMENTS USAGE GUIDE

ENSURING SAFETY, QUALITY, AND
SUSTAINABILITY



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Introduction

Hamsan Surgical, we are committed to delivering high-quality surgical products designed for safety, reliability, and environmental responsibility. This guide serves as a comprehensive resource to help you understand the key considerations when using our products, ensuring optimal performance and safety for healthcare professionals and patients alike.

Material and Manufacturing Details

High-quality materials and precision manufacturing are the hallmarks of reliable surgical instruments. Learn about the materials used and the processes that ensure durability, safety, and compliance with medical standards.

- Stainless steel with chromium for corrosion resistance.
- Heat treatment for enhanced durability and sharpness.
- Ergonomic designs for ease of use and comfort.

Proper Usage and Handling

Correct usage and careful handling of surgical instruments prolong their lifespan and maintain safety. This section covers essential practices to ensure optimal performance and reduce the risk of damage.

Guidelines for Use

- Use instruments only for their intended purpose.
- Avoid applying excessive force to delicate instruments.
- Inspect instruments for damage before each use.

Do's and Don'ts

- Do: Follow sterilization protocols after every procedure.
- Don't: Use harsh chemicals that can corrode the metal.



Sterilization and Maintenance

Proper sterilization and maintenance ensure surgical instruments remain sterile and functional. This section outlines best practices for cleaning, disinfecting, and storing instruments to maintain their quality.

Approved Sterilization Methods

- Autoclaving (preferred for most instruments).
- Chemical sterilization for heat-sensitive items.



Cleaning Protocols

- Rinse immediately after use to prevent organic matter buildup.
- Use pH-neutral detergents for cleaning.
- Dry thoroughly to prevent rusting.

Instrument Identification

Familiarity with the anatomy and design of surgical instruments is crucial for correct usage. This section breaks down the parts and markings of instruments to simplify

identification and application.

- Tips: Functional part used for cutting, grasping, etc.
- Shaft: Provides length and reach.
- Handles: Designed for comfortable grip and control.

Troubleshooting and Common Issues

Regular inspection helps identify problems early, ensuring instruments are safe for use. This section lists common issues, their signs, and recommended actions to maintain quality and performance.

Signs of Wear and Tear

- Blunted cutting edges.
- Loose joints or misaligned parts.
- Rust spots or discoloration.

Action Steps

- Separate damaged instruments for inspection.
- Report issues to Hamsan Surgical for guidance on repairs or replacement.



Safety Standards and Compliance

Compliance with international standards is non-negotiable in the medical field. This section highlights the certifications and regulations that ensure the safety and reliability of Hamsan Surgical instruments.

- **Certifications:** ISO-certified and CE-marked to ensure compliance with global healthcare regulations.
- **Reliability:** Designed and tested to meet the rigorous demands of surgical procedures.

Packaging and Storage

Proper packaging and storage keep instruments sterile and ready for use. This section explains how to organize and protect instruments to prevent damage and contamination.

Storage Techniques

- Store instruments in a dry, well-ventilated area.
- Use dedicated trays to organize instruments by category.
- Avoid stacking instruments to prevent damage.

Environmental Safety Practices

Hamsan Surgical prioritizes environmental sustainability throughout our product lifecycle.

- **Eco-Friendly Materials:** Many products are designed using sustainable or recyclable materials.
- **Disposal Guidelines:** Dispose of single-use products in accordance with local regulations to minimize environmental impact.
- **Sustainability Commitment:** Our manufacturing processes adhere to environmental standards, reducing waste and energy consumption.

Hamsan Surgical is dedicated to supporting healthcare professionals by providing dependable and environmentally responsible solutions. By adhering to the guidelines in this document, you can maximize the safety and efficiency of our products.