



USER MANUAL & TECHNICAL INFO OF ST 72 - PATIENT STRETCHER



ST 72 - Patient Stretcher

User Manual and Technical Info

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Property of all commercial rights and brands are owned by the manufacturer. The manufacturer reserves the right for revision and modification to stretchers mentioned in this manual. Therefore; the product being produced right now could be different than the one described here.

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1 INTRODUCTION

The stretcher depicted in this manual is designed for long-term care patients in hospitals, providing both comfort and functionality for patient care and medical procedures.

This stretcher meets the following international standards:

- **EN 60601-2-38**
- **EN 60601-1-2**
- **EN 60601-1-4**
- **ISO 10993**

These standards ensure compliance with the **93/42/EEC System Certificate**, which governs the design, production, and distribution of medical devices and accessories. Additionally, the stretcher is manufactured in accordance with **EN ISO 9001:2000** and **EN ISO 13485:2000** quality control standards, guaranteeing a reliable and durable product.

Important Notes Before Use

Before operating the stretcher, thoroughly review all details in this manual. All functions and usage must strictly adhere to the guidelines provided. Improper use of the stretcher may result in safety risks or equipment damage. The manufacturer is not liable for any issues caused by improper or unauthorized use.



CAUTION!

- ⚠ The manufacturer cannot be held liable for any damage resulting from careless handling, misuse, or incorrect relocation of the stretcher.
- ⚠ Transportation of the stretcher should only be performed by the manufacturer, vendor, or trained personnel to ensure safe handling and avoid damage.
- ⚠ To guarantee safety, it is critical to closely follow the instructions for the initial start-up of the stretcher as outlined in this manual.

1.1 Parts Delivered

ST 72 Patient Stretcher is equipped with castors designed specifically for use on **smooth, indoor surfaces**. Usage on uneven or dirty surfaces may pose significant risks and should be avoided.

Important Guidelines

- Always read this manual carefully before using the stretcher to ensure safe and proper operation.
- Do not use the stretcher if any part is broken or damaged, as this could endanger patients or hospital staff.

- Installation of the stretcher should only be carried out by authorized personnel, ensuring proper assembly and functionality. A warranty must be provided upon correct installation.
- Personnel assigned by the manufacturer must be familiar with the stretcher's functions and operational guidelines.

User Responsibility

- The user must ensure they understand how to safely operate the stretcher and confirm that it is functioning correctly before use.
- The stretcher should always be placed on a hard, flat floor as described in this manual. Using the stretcher on improper surfaces can compromise safety and performance.

2 GENERAL EXPLANATIONS

This manual must be thoroughly read before operating the **ST 72 Patient Stretcher** to ensure proper usage and avoid potential dangers caused by user error.

2.1 Safety Instructions

- Nurses and caregivers must have sufficient experience and knowledge of the stretcher's functions. All operations must be performed in accordance with the manual.
- Do not use the stretcher if it has any faults or damage that could pose risks to patients or personnel.
- The stretcher should only be operated by trained personnel.
- Manufacturer's personnel should provide instructions to users regarding the functionalities and safety features of the stretcher.
- Before use, all functions and the overall condition of the stretcher must be thoroughly checked to ensure proper operation.
- The stretcher should be used exclusively on clean and smooth floors.
- The safe load capacity of the stretcher must not be exceeded.
- When a patient is on the stretcher, the castors must be locked to ensure stability. Failing to lock the castors may lead to accidents during patient movement or positioning.
- Only one patient should be on the stretcher at a time. A second person must not sit or lie on the stretcher.
- Accessories added to the stretcher must not interfere with its functions.

Dangerous Situations

The following situations pose significant risks to both patients and caregivers:

- Transporting the stretcher on uneven or unclean surfaces.
- Performing improper maintenance on the stretcher.

- Exceeding the stretcher's safe working load.
- Operation by untrained or unauthorized personnel.
- Using the stretcher near explosive or flammable materials.
- Using unapproved spare parts or accessories. The manufacturer is not responsible for damage caused by unauthorized parts.
- Cleaning or repairing the stretcher without first locking all functions.

2.2 Environment Stretcher in Use

The stretcher should be operated under the following environmental conditions:

- Room Temperature: 10°C to 40°C
- Humidity: 30% to 75%
- Barometric Pressure: 700 hPa to 1060 hPa



WARNING!

- ⚠ If the stretcher is to be used for purposes other than those outlined in this manual, consult the manufacturer for guidance. The stretcher is designed for **medical purposes** and should only be used in accordance with its intended function.

3 STRETCHER PRODUCT DESCRIPTION



4 START-UP OF THE STRETCHER

Follow the rules below during the initial startup of the **ST 72 Patient Stretcher** to ensure proper installation and functionality:

1. Carefully Unpack the Stretcher:

- Open the packaging carefully to avoid damage to the stretcher or its components.

2. Inspect for Transportation Damage:

- Examine the stretcher for any damage that may have occurred during transit. If any damage is found, contact the manufacturer or service provider immediately.

3. Check for Missing Parts:

- Verify that all parts and accessories listed in the manual are present. If any parts are missing, contact customer support.

4. Read the Manual Thoroughly:

- Review this manual carefully before performing any operations or assembling the stretcher.

5. Assemble the Accessories:

- Attach all accessories according to the instructions provided in the manual.

6. Test the Functions:

- Check that all functions, buttons, and mechanical systems of the stretcher are working properly.

7. Verify Mechanical Components:

- Ensure that the mechanical parts, such as castors, side rails, and the backrest adjustment mechanism, function correctly.



WARNING!

- ⚠ Ensure the control units are not obstructed or at risk of getting stuck while using the stretcher's functions.
- ⚠ Do not place any objects on the lower frame cover plastic to prevent damage or interference.

5 USE OF THE STRETCHER

Manual control.

Mattress, water resistant and removable."

5.1 Castors

The **ST 72 Patient Stretcher** is equipped with four swivel castors, two of which are lockable. Proper use of the castors ensures safe and controlled operation of the stretcher.

Locking the Castors

- Ensure that all castors are locked when a patient is on the stretcher to prevent accidental movement.
- To lock a castor, firmly press the locking mechanism on the castor as shown in the accompanying picture.



Unlocking the Castors

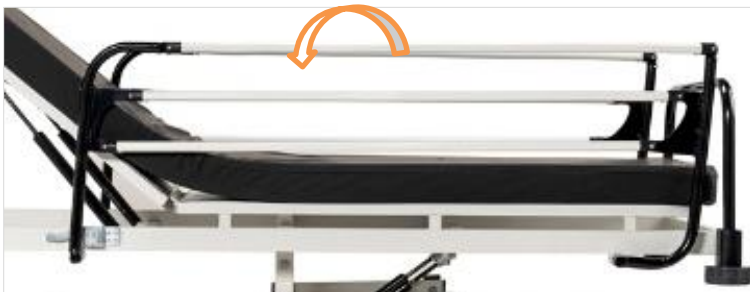
- When the stretcher needs to be moved, release the castor locking mechanism.



- To unlock a castor, pull up the **locking mechanism** as shown in the accompanying picture.

5.2 Side Rails

The ST 72 Patient Stretcher is equipped with two side rails, designed to reduce the risk of accidental falls and enhance patient safety during use.



Closing the Side Rails

1. **Press the Locking Mechanism:**
Push the locking mechanism to release the side rails from the upright position.
2. **Lower the Rails:**
Gently push the rails downward as shown in the accompanying picture until they are fully closed.



CAUTION!

- ⚠ While moving the side rails, ensure they move smoothly. If resistance is encountered, do not force the rails. Contact technical support for assistance.
- ⚠ Using a mattress thicker than recommended may reduce the effectiveness of the side rails and increase the risk of the patient falling off the stretcher. In such cases, the patient must be closely monitored.
- ⚠ The manufacturer, Optium, is not liable for any issues arising from non-compliance with these instructions.

Safety Recommendations

- Always ensure the side rails are locked upright when a patient is placed on the stretcher.
- If the patient's state of awareness is impaired (e.g., agitation, confusion, disorientation, weariness), they must be closely monitored by caregivers or through medical monitors.
- For unconscious patients, use restraining straps to prevent accidental movement or injury.

5.3 Trendelenburg and Reverse Trendelenburg (Optional)

The ST 72 Patient Stretcher is equipped with **optional** Trendelenburg and Reverse Trendelenburg adjustment features, providing up to **15°** tilt for specific medical needs and procedures. These positions must be adjusted **carefully** following the steps below.

5.3.1.1 Adjusting the Trendelenburg Position:

- 1. Push the Frame Downwards:**
Firmly press the stretcher frame downward with one hand to stabilize it during adjustment. *(Indicated with a red downward arrow in the diagram.)*
- 2. Pull the Adjustment Handle:**
While holding the frame, pull the handle to activate the Trendelenburg adjustment mechanism. Hold the handle until the desired angle is achieved.
- 3. Release the Handle:**
Let go of the handle once the desired Trendelenburg position is set.
- 4. Remove Your Hand from the Frame:**
After confirming the position is stable, release the frame.



5.3.1.2 Adjusting the Reverse Trendelenburg Position:

1. **Push the Frame Downwards:**

Stabilize the frame by pushing it firmly downward with one hand. (*Indicated with a **red downward arrow** in the diagram.*)

2. **Pull the Adjustment Handle:**

Pull the handle to activate the Reverse Trendelenburg adjustment. Hold the handle until the stretcher reaches the desired tilt angle.

3. **Release the Handle:**

Let go of the handle to lock the position.

4. **Remove Your Hand from the Frame:**

Ensure the stretcher is stable before removing your hand.



WARNING!

- ⚠ Always push the frame downward firmly to control the stretcher and prevent sudden movements during Trendelenburg adjustments.
- ⚠ Use Trendelenburg and Reverse Trendelenburg positions only when necessary, as determined by medical personnel.
- ⚠ Ensure no objects or body parts obstruct the adjustment mechanism during operation.

5.4 Backrest Down



Lowering the Backrest

1. **Push the Gas Spring Lever Forward:**

Using both hands, push the gas spring lever forward to unlock the backrest adjustment mechanism.

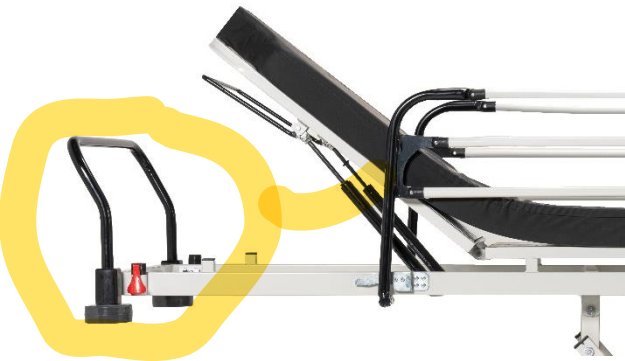
2. **Pull the Backrest Downward:**

While holding the lever forward, gently lower the backrest to the desired angle.

3. **Release the Lever:**

Once the backrest is at the desired position, release the gas spring lever to lock it securely in place.

5.5 Backrest Up

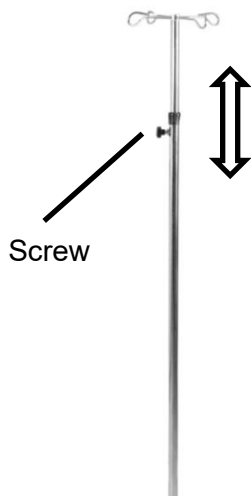


Raising the Backrest

1. **Push the Gas Spring Lever Upward:**
Using both hands, push the gas spring lever upward to unlock the backrest adjustment mechanism.
2. **Pull the Backrest Upward:**
While holding the lever upward, gently raise the backrest to the desired angle.
3. **Release the Lever:**
Once the backrest is at the desired position, release the gas spring lever to lock it securely in place.

6 ACCESSORIES

6.1 IV Pole



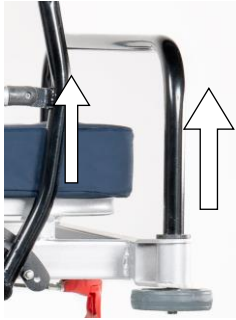
The stretcher comes with a height-adjustable, double-hooked IV pole. It is designed for use with accessory sockets located on all four corners of the stretcher. The working load of the IV pole is 4 kg.

Height Adjustment Procedure:

1. Locate the screw mechanism on the IV pole.
2. Turn the screw **counter-clockwise** to unlock the pole.
3. Adjust the height by pulling the pole up or down to the desired position.
4. Secure the pole in place by turning the screw **clockwise** until firmly tightened.

- ⚠ Do not use the IV pole as a support structure to lean on or apply pressure. Improper use may result in injury or damage to the stretcher.
- ⚠ Ensure the working load of the IV pole does not exceed 4 kg.

6.2 Pushing Bars



Removable Pushing Bar

The removable pushing bar is located at the foot end of the stretcher. It can be detached by pulling it outward until it is fully removed from its sockets. This bar should be stored safely when not in use.

7 STRETCHER TRANSFER

When a patient is on the stretcher, it is critical to ensure that the side rails are locked to maintain safety. To facilitate smoother transfer, bring the stretcher to an appropriate height and ensure that accessories, such as the IV pole, do not get stuck or damaged while passing through doors or corridors. During the transfer, make sure accessories are not bumped into obstacles, as this could cause damage to the stretcher or its components.

Stretcher During Transfer	Stretcher in Store
Height should be lowered to the minimum.	Height should be lowered to the minimum.
Castors should be locked, and all mobile pieces should be fixed.	Castors should be locked, and mobile pieces fixed.
Should be protected from water.	Should be protected from water.
Should be kept in -10°C to +50°C temperature range.	Should be kept in -10°C to +50°C temperature range.
Humidity should be between 20% and 80% (30°C).	Humidity should be between 20% and 80% (30°C).
Pressure should be between 500 hPa and 1060 hPa.	Pressure should be between 500 hPa and 1060 hPa.

⚠ Important Safety Notes:

- Stretchers should never be stacked during transfer or storage to avoid damage or accidents.

8 MATTRESS

The stretcher is designed to function optimally with the recommended mattress specifications. Proper use of the mattress ensures both safety and functionality.

- Place the mattress securely on the stretcher, ensuring it fits properly.
- Only use the mattress recommended by our company. If you choose to use a different mattress, ensure it conforms to the stretcher dimensions and does not compromise the quality or safety of the stretcher's functions.
- The mattress thickness should be 80 mm. Using a thicker mattress may interfere with the operation of the side rails, reducing their effectiveness.
- The mattress dimensions should be 60 x 190 cm, matching the stretcher's lying area.

9 GENERAL CARE & CLEANING INSTRUCTIONS

The general care and cleaning instructions outlined in this manual must be followed to ensure the safety of patients and healthcare personnel and to avoid damaging the stretcher. Failure to comply with these instructions may result in injuries or impair the functionality of the stretcher.

9.1 Cleaning Instructions

To clean the stretcher, follow these steps:

- Place the stretcher in the designated cleaning area and lock the castors to ensure stability.
- Use a soft, damp cloth with a conventional disinfectant to clean the stretcher. Avoid using harsh chemicals, such as bleach or thinner, and do not use excessive water during cleaning.
- After cleaning, dry the stretcher thoroughly before use.



WARNING!

- ⚠ Ensure that the stretcher is locked and raised to its highest position during cleaning.
- ⚠ Do not use high-pressure water hoses or steam cleaning machines.
- ⚠ Avoid using water heated above 60°C, especially when cleaning the hydraulic pump, and refrain from excessive water exposure in that area.
- ⚠ Failure to follow these cleaning instructions may impair the stretcher’s functionality and void the warranty.

9.2 Misuse Warnings

Improper use of the stretcher may result in damage to the equipment or injury to patients or healthcare personnel. Avoid the following incorrect practices:

- Using the stretcher in areas other than emergency services, operating rooms, or monitoring rooms.
 - Operating the stretcher in high-pressure environments.
 - Allowing unqualified personnel or those unfamiliar with the manual to operate the stretcher.
 - Having multiple individuals operate the stretcher’s functions simultaneously.
 - Exceeding the stretcher’s weight capacity of **220 kg**.
 - Using non-recommended accessories or attachments.
 - Operating or storing the stretcher in undefined or improper conditions.
 - Using the stretcher in explosive environments or on soft or unstable flooring.
 - Placing the stretcher in areas containing flammable gases, excessive steam, or temperatures outside the recommended range.
 - Neglecting the care, cleaning, and operational guidelines outlined in this manual.
- ⚠ **Note:** Misuse or failure to comply with the instructions in this manual can void the warranty and compromise safety and functionality.

CLEANING PROCESS	PARTS AND DETAILS OF THE STRETCHER
1. DAILY CLEANING	• Daily cleaning the surface of the stretcher. • Cleaning the functions of the stretcher. • Cleaning for every staff. • Cleaning the back of backrest • Cleaning the side rails • Cleaning the accessories

2. CLEANING THE STRETCHER FOR A NEW PATIENT	• Daily cleaning • All plastic parts and cleaning the mattress • Lower frame plastic cover • Side, front, and back surface of stretcher • Easily accessible parts • IV pole • Bumpers • Castors and pedals
3. FULL DETAIL CLEANING	• 1st and 2nd should be done. • After upper frame plastics are removed all accessible parts should be cleaned. • Cleaning gas springs. • Side rails

10 TRANSPORTATION & CARGO INSTRUCTIONS

- Product should not be stacked without packing.
- Protect the product from direct sunlight and rain.
- Ensure the package is properly secured during transportation.
- Avoid bumps or impacts that may damage the product.

Warning: Follow these instructions strictly to ensure the safety and proper handling of the stretcher during transportation. Let me know if further revisions are needed!

11 WARRANTY & AFTER SALES SERVICE

The warranty period is **2 years**, starting from the invoice date.

The product is covered under warranty for 2 years for any technical failure or manufacturing defect. Repair and troubleshooting will be provided free of charge for parts and labor, as long as the instructions outlined in the manual are followed during use.

11.1 Conditions That Void the Warranty:

- If breakage or failure is caused by the user,
- If the serial number of the stretcher is removed, damaged, or scratched,
- If any accident occurs during loading, unloading, or delivery,
- If the product is used against the instructions in the manual.

12 STORING

The following instructions must be followed to store the stretcher for an extended period:

- Reset all functions of the stretcher to their default position.
- Ensure that the castors are placed on a flat and stable surface.
- Avoid placing any heavy objects on the stretcher to prevent damage.

13 MAINTENANCE

Gas springs and other moving parts of the stretcher should be periodically inspected every three months. Carefully follow the instructions below:

- Inspect the side rails and locking mechanisms for proper function.
- Examine the gas springs for any signs of wear or damage.
- Ensure all nuts on moving parts are securely fastened.

It is highly recommended that maintenance and technical service be carried out by authorized manufacturer personnel.



WARNING!

- ⚠ Do not use the stretcher if any unexpected issues arise during maintenance. Contact technical support immediately for assistance.

14 ENVIRONMENTAL PROTECTION

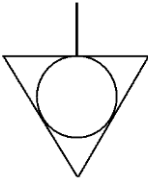
Optium Healthcare is committed to providing a sustainable and healthy lifestyle for future generations by safeguarding the environment. The production processes strictly use environmentally friendly materials.

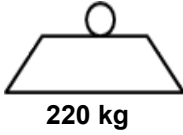
Key Environmental Commitments:

- Avoidance of dangerous substances like mercury, cadmium, PCB, and CFC, which pose threats to human life and the environment.
- Use of recyclable materials such as plastic electronics, steel, and other metal components, which are processed at recycling facilities to ensure reuse.



15 SIGNS AND LABELS

	Type B		Purpose of product
	Grounded		Do not put in trash
	Locks itself when heated		Conformité Européenne
	Electro magnetic		Do not throw it away.
	Compatibility grounding		Warning

	Recyclable materials		Read the manual
	Recyclable	 220 kg	Safe working load

MAINTENANCE – MAINTENANCE SCHEDULE

[illegible]