

# Operation & Maintenance Manual

## S-M-100 Stretcher



Amico

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# Intended Use

The S-M-100 Stretcher is intended for patients in all areas of the hospital and in free-standing surgical centers.

## Introduction

The Amico S-M-100 stretcher features a simple design and distinctive features which bring efficiency to the medical and surgical environment.

This manual provides the instructions required for normal operation of the S-M-100 stretcher from Amico Beds Corporation. Prior to operation of this stretcher, you must read and understand in detail the contents of this manual. It is important that this manual is read in its entirety and the safety aspects contained in this manual are strictly adhered to.

The movement of the S-M-100 is controlled by the caregiver via a lever located at the foot end of the stretcher.

## Features

Item	Description
1	Side Rails
2	Mattress Pad
3	Oxygen Holder
4	Wheel Caster
5	Fifth Wheel Pedal (optional)
6	Fifth Wheel (optional)
7	Brake Pedal
8	Knee Surface Articulation Crank



# Warnings



## **WARNINGS:**

- The stretcher has to be installed, cleaned, and used as described within this manual
- The stretcher has to be operated by trained personnel only
- Maximum weight limit is 550 lbs (250 kg)
- Entering and exiting the stretcher has to be done at the side with the side rails lowered completely
- Avoid sitting at the extreme ends of the stretcher
- It is recommended not to use water or silicone surfaces in order to not exceed the maximum weight limit of 550 lbs (250 kg)

## Description of Features

### **SIDE RAIL POSITIONS**



**WARNING:** Patients should be evaluated for entrapment risks according to faulty protocol and monitored adequately.



**WARNING:** Ensure that all side rails are fully latched when in the raised position. Failure to do either of these could result in serious injury or death.

**NOTE:** Side Rails are intended to be a reminder to the patient of the unit's edges, not a patient-restraining device. When appropriate, Amico recommends that medical personal determine the proper methods necessary to ensure a patient remains safely in stretcher.

### **Raising the Side Rails**

- Grasp the top of the side rail and pull it out from underneath its stored position.
- Pull the side rail up until it clicks into place.
- To make sure the side rail is fully latched, try pivoting the side rail down.

### **Lowering the Side Rails**

- Pull up the side rail.
- Grasp the top of the side rail.
- Simultaneously rotate the side rail down and release the side rail release lever.
- Completely lower the side rail.

### **Storing the Side Rails**

To store a side rail, completely lower the side rail and then push it toward the sleep surface until it stops.

# Description of Features

## IV POLE MOUNTING SOCKETS



**WARNING:** An IV pole Mounting Socket is located at each corner of the stretcher.

## MATTRESSES



**WARNING:** Use mattresses that meet Amico specifications. Failure to do so could reduce the effectiveness of the safety features and systems incorporated into the stretcher. Personal injury or equipment damage could occur.

## BRAKE / STEER PEDALS



**WARNING:** The Brake/Steer Pedals are located at the foot end of the S-M-100 with a central brake system.



**WARNING:** Unless transporting the patient, always set the brakes when the stretcher is occupied. Confirm that the brakes are set before any patient transfer. Failure to do so may result in personal injury or equipment damage.

- To set the brakes, press down on one of the black brake pedals. All four casters lock.
- To release the brakes, put the black pedal in the neutral position.

## HEAD SECTION ARTICULATION



**WARNING:** A surface position that causes the patient's torso to be at an angle less than 90° to the legs could reduce circulatory efficiency in the lower extremities. Such positions are not recommended for extended periods of time and should be under medical supervision. Patient injury could occur.



**WARNING:** Make sure to fully control the lift mechanism when there is little or no weight on it. Failure to do so could cause it to rise quickly and cause personal injury or equipment damage.

### Raising the Head Section

- Squeeze the bar under the head section and lift up on the head section.
- Release the bar when the desired position is reached. The head section is locked in place.

### Lowering the Head Section

- Squeeze the bar under the head section and push down on the head section until it is in the desired position.
- Release the bar when the desired position is reached. The head section is locked in place.

# Description of Features

## STEERING PLUS STEERING SYSTEM

The Steering System is optional on the S-M-100 stretcher. The Steering Plus function is used to keep the stretcher moving in a straight line and to make it easier to turn corners.

## PUSH HANDLES

The Push Handles located within the fowler section of the stretcher are used to move the stretcher. The handle at the foot end is fixed and the handle located at the head end can be stored when not in use.

## TELESCOPIC IV POLE



**WARNING:** Do not exceed the load capacity of the telescopic IV pole. If the IV pole is over loaded, personal injury or equipment damage may occur.

The safe working load of the pole is 25 lbs.

### Raising the IV Pole

- Grasp the stored IV pole and raise it from its stored position. Make sure it is secure in its support bracket, with the sleeve over the support bracket.
- Grasp the top section of the IV pole, and raise it to one of the two heights available. The top section will click into place.

### Lowering the IV Pole

- Unscrew the knob to release the IV pole.
- Manually lower the top section of the pole until it fully collapses.
- Screw the knob to hold the IV pole in position.

## BRAKES



**WARNING:** Unless transporting the patient, always set the brakes when the stretcher is occupied. Confirm that the brakes are set before any patient transfer. Failure to do so may result in personal injury or equipment damage.

Brakes should always be set when the stretcher is occupied and especially when moving a patient from one surface to another. Patients often use the stretcher for support when getting out of stretcher and could be injured if the stretcher moves unexpectedly. After setting the brakes, push and pull the stretcher to make sure it is stable.

# Description of Features

## SIDE RAILS / RESTRAINTS / PATIENT MONITORING



**WARNING:** Evaluate patients for entrapment risk according to facility protocol, and monitor patients appropriately.



**WARNING:** Make sure that all side rails are fully latched when in the raised position. Failure to do either of these could result in serious injury or death.

### NOTES:

Side Rails are intended to be a reminder to the patient of the stretcher's edge, not a patient-restraining device. When appropriate, Amico recommends that medical personnel determine the proper methods necessary to make sure a patient remains safely in the stretcher.

Side rails may serve several beneficial uses including providing an edge reminder and stretcher exit assist, as well as access to the patient controls. The use of side rails may also provide a sense of security. The use of side rails in any position should be determined according to patient need after assessing any risk factors according to the facility protocols for safe positioning.

When raising the side rails, a click indicates that the side rails are completely raised and locked in place. Once the click is heard, gently pull on the side rails to make sure it is latched correctly in position.

For restraining devices, consult the restraint manufacturer to verify the correct application of each restraining device.



**WARNING:** Patient restraints are not intended as substitutes for good nursing practices. Physical restraints, even properly installed, can result in entanglement, physical injury or death, particularly with agitated and disoriented patients. Monitor patients when using physical restraints in accordance with legal requirements and facility protocol.

1. Develop guidelines for all patients that indicate:

- Which patients may need to be restrained and the appropriate restraint to utilize.
- The proper method to monitor a patient, whether restrained or not, including time interval, visual check of restraint, etc.

2. Develop training programs for all caregivers concerning the proper use and application of restraints.

3. Maintain the stretcher at its lowest position whenever a caregiver is not in the room.

4. Clarify the need for restraint devices to families or guardians.

# Parts and Accessories

Use only Amico parts and accessories with this stretcher. Do not modify the stretcher without authorization from Amico.

## Safety Tips

### OPERATING THE STRETCHER / SURFACE PRECAUTIONS



**WARNING:** Use oxygen administering equipment of the nasal, mask, or ventilator type only - or oxygen tents that can be contained inside the side rails. Failure to do so could result in personal injury or equipment damage.



**WARNING:** Operate the stretcher within the stated environmental conditions. Failure to do so could result in patient injury or equipment damage.

### TRANSPORT



**CAUTION:** Before transporting the stretcher, make sure that the power cord, hoses, and other equipment are properly stored. Failure to do so could result in patient injury or equipment damage.



**CAUTION:** Do not push or pull the stretcher by IV poles, side rails, or other equipment. Use the transport handles, headboard, footboard, or other designated locations. Failure to do so could result in equipment damage.

The stretcher is intended to be used to transport patients with the foot end of the system forward. Use only the transport handles (if installed) to move the stretcher.

Make sure the patient, equipment, and all lines are securely placed within the perimeter of the stretcher for intra-hospital transport.

Fully extended IV poles could impact doorways or ceiling fixtures. Lower the poles prior to patient transport.

# Safety Tips

## FLAMMABILITY



**WARNING:** Do not operate the stretcher in the presence of flammable gas or vapors. Doing so could result in personal injury or equipment damage.



**WARNING:** Patients should not be allowed to smoke in the stretcher. Sheets and pillows generally do not have flame retardant properties. Personal injury or equipment damage could occur.

Reduce the possibility of fires by observing fire prevention rules and regulations.

To help prevent the risk of hospital stretcher fires, make sure facility personnel follow the safety tips in the '*FDA Public Health Notification: Safety Tips for Preventing Hospital Bed Fires*'.

## SPRAY WASHING



**CAUTION:** Do not directly spray the hydraulic cylinders. Equipment damage could occur.



**CAUTION:** Do not exceed 25 psi (172 kPa) when spray washing. Equipment damage could occur.

The stretcher can be spray washed as necessary. Use a maximum nozzle pressure of 25 psi (172 kPa) at 6" (152 mm). Spray wash comprised of water only should not exceed a temperature of 180° F (82° C). Spray wash comprised of detergent or solvents (no bleach) should not exceed a temperature of 120° F (50° C). After washing, prepare any exposed or chipped steel parts or oxidized areas, and coat with paint.

# Preventive Maintenance



**WARNING:** Only facility-authorized personnel should service the S-M-100 Series stretchers. Servicing performed by unauthorized personnel could result in personal injury or equipment damage.

The S-M-100 Series stretcher requires an effective maintenance program. We recommend that you perform annual preventive maintenance (PM) and testing for Joint Commission on Accreditation of Healthcare Organizations (JCAHO). PM and testing not only meet JCAHO requirements, but will help ensure a long operative life for S-M-100 Series stretchers. PM will minimize downtime due to excessive wear.

Perform annual preventive maintenance procedures to make sure all S-M-100 Series stretcher components are functioning as originally designed. Pay particular attention to safety features, including but not limited to the following:

- Side rail latching mechanisms
- Caster braking systems
- Integrity of sleep surface ticking
- Integrity of warning/caution labels

## Cleaning

### Bleach Cleaning Instructions

If none of the approved cleaning products provide the disinfectant level required, then use a solution of 5.25% Sodium Hypochlorite diluted to 1 part bleach to 50 parts water (1,000 ppm), (volume to volume).

Bleach products are corrosive and degrading in nature, and may cause damage to your product. If bleach is used, measures must be taken to ensure the product is rinsed thoroughly with clean water and thoroughly dried. Failure to rinse and dry the product will leave a corrosive residue on the surface possibly causing corrosion.

Failure to follow the above directions may void the product's warranty.

- Do not immerse the product in water.
- Do not attempt to clean or degrease the steel shafts of the actuators.
- Use only approved cleaning products. If bleach is being applied to the product, strictly adhere to the BLEACH CLEANING instructions.
- For electrical equipment, please do not unplug the handset or actuators from the control box for cleaning.
- Do not use a water temperature of more than 50° C or 122° F.

# Technical Specifications

## Model Number

Model Number S-M-100

## Overall Dimensions

Overall Length 83" (211 cm)  
Overall Width 28" (71 cm)  
Patient Surface 28" x 75" (71 cm - 211 cm)  
Height Range (to the surface of the litter)  
High 34" (86 cm)  
Low 22" (56 cm)

## Litter Positioning

Trend./Reverse Trend. n/a  
Maximum Fowler Section Inclination 75° + 5°  
Maximum Knee Section Inclination n/a

## Weight Capacity & Caster Diameter

Weight Capacity 550 lbs (250 kg)  
Caster Dimension 8" (20 cm)

## Optional Features & Accessories

Overbed tables  
Removable IV pole

# Warranty Policy

Amico Beds Corporation warrants its Patient Equipment to be free from defects in material and workmanship for a period of twelve (12) months from the date of shipment. Within this period Amico Beds Corporation will provide the parts for repair or replacement of defective parts at Amico Beds Corporation cost.

Shipping and Installation costs after the first twelve (12) months will be borne by the Customer.

This warranty is valid only when the product has been properly installed according to Amico Beds Corporation specifications, used in a normal manner and serviced according to factory recommendations. It does not cover failures due to damage which occurs in shipments or failures which result from accidents, misuse, abuse, neglect, mishandling, alteration, misapplication or damage that may be attributable to acts of God.

Amico Beds Corporation shall not be liable for incidental or consequential damages resulting from the use of the equipment.

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