Instruction MANUAL

MXS 331 - PANTOGRAPHIC STRETCHER - SITMED ELEVEX II

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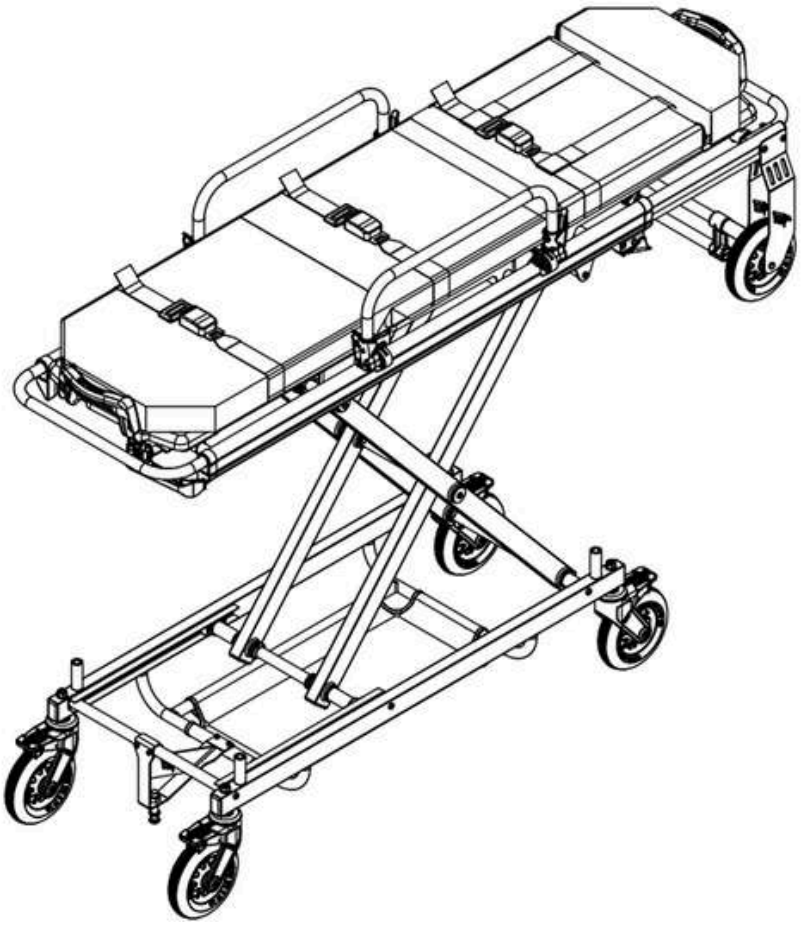
SITMED
NUMBER ONE IN LIFE TRANSPORT

Instruction Manual 2024

MXS 331 - MACA PANTOGRÁFICA - SITMED ELEVEX II

MD
Medical Device



Device in compliance with MDR Medical Devices Regulation 2017/745 (EU)

	MANUFACTURER SITMED MEDICAL EQUIPMENT LTD. Felisberto Pereira da Silva Street, 550 - Nova Trento Neighborhood - Flores da Cunha - RS - Brazil ZIP CODE 95270-000 - CNPJ 02.473.977/0001-51 - IE 048/0022410 Phones: +55 (54) 3196 8000 - +55 (54) 3196 8001 E mail: contato@sitmed.com.br / Website: www.sitmed.com.br EUDAMED ID/SRN: BR-MF- 000008307
CE EC REP	AUTHORIZED REPRESENTATIVE IN THE EUROPEAN UNION RÁPIDO E CONTÍNUO, UNIPESSOAL LDA. Business Center Street, Beloura, Office Park - Building 4, Office 6 2710-693 - Sintra - Portugal - PJ 517714558 - EUDAMED ID/SRN: PT-AR 000039288

TABLE OF CONTENTS

LEGAL NOTICE

1- GENERAL INFORMATION

1.1 - PURPOSE

The purpose of this Instruction Manual is to provide important information about the use of the MXS 331 - PANTOGRAPHIC STRETCHER - SITMED ELEVEX II. Read carefully and pay attention to all operating and safety instructions, so that you can use the equipment properly and safely. The Retractable Stretcher was developed for the transportation of disabled persons and accident victims. It is practical, versatile, robust and has been designed for use in ambulances or rescue and emergency vehicles.

1.2 - WARNING

Before using the Pantographic Stretcher, make sure that all its components are properly adjusted and functioning correctly. Follow the instructions in this manual and always use appropriate personal protective equipment. When using the stretcher in ambulances or rescue vehicles, follow the applicable safety standards and regulations for emergency response.

1.3 - ACCESS TO THE MANUAL

The Instruction Manual will be available on the Sitmed website and can also be accessed through the QR Codes attached to stickers on the stretcher.

CE	Device in compliance with MDR Medical Devices Regulation 2017/745 (EU)
	Medical Device Manufactured in Brazil
CE EC REP	Authorized Representative in the European Community
	Consult the Instructions for Use
MD Medical Device	Medical Devices
NON STERILE	Non-Sterile Medical Device
UDI	Unique Device Identification
	Date of Manufacture
	Manufacturer
SN	Serial Number

REF	Catalog Number
	Caution / Warning
	Logistics
	Expiry Date
CC	Country of Origin
	Importer
	Keep Dry
	Fragile

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		PESO LÍQUIDO NET WEIGHT	XXXXXXXX
CE EC REP	RÁPIDO E CONTÍNUO, UNIPESSOAL LDA. Rua Centro Empresarial, Beloura, Office Park - Ed. 4, Escritório 6 2710-693 – Sintra – Portugal - PJ – 517714558 EUDAMED PT-AR 000039288	DANFE BRAZILIAN DANFE	XXXXXX
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DETALHES / FEATURES	XXXXXXXX XXXXXXX XXXXXXXXX XXXXXXXX XXXXXXX	SN	XXXXX
OBSERVAÇÕES/COMMENTS	XXXXXXXXXX XXXXXXXXX XXXXXXXXX XXXXXXXXX XXXXXXXX		DD/MM/YYYY
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MD Medical Device · NON STERILE · CE · UDI		(01)12345678910111213 (10) 1234 (11)YYMMDD(17)YYMMDD	

The packaging label follows the guidelines determined by the MDR - Medical Devices Regulation 2017/745 (EU) European Community and Resolution - RDC N° 751, of September 15, 2022 - ANVISA.

1.6 - IDENTIFICATION AND TRACEABILITY LABEL

All Sitmed equipment is identified with a serial label for traceability control. The identification label is located on the bottom of the stretcher bed and contains the manufacturer's identification, product name, model, serial number, Anvisa (Brazilian Health Regulatory Agency) registration number of the Brazilian Ministry of Health, CE marking, and the Unique Device Identification (UDI-DI) number.

When the stretcher is no longer in usable condition due to natural wear, damage from misuse, or accident damage to the ambulance, and has not been contaminated by any infectious agent or contaminant, it can be discarded for recycling, since all the materials used are recyclable.

INSTRUCTIONS MANUAL

This label should never be removed, as the serial number will allow full traceability of components, processes, documents, date of manufacture, warranty, and will identify the equipment throughout its entire life cycle.

1.7 - GUIDELINES FOR TRANSPORTING PACKAGED PRODUCTS

All medical devices produced by Sitmed are delivered properly packaged from the factory to ensure their integrity and preservation during transport. If you receive the product with damaged packaging, immediately check in the presence of the carrier whether it has suffered any damage. If so, the damage must be reported on the back of the freight bill and the merchandise returned to Sitmed.
Packaged products must be handled and transported with care, avoiding exposure to rain and hot and/or humid locations. They must also be transported observing the maximum stacking and the respective direction in which the packaged product must be transported and stored, as indicated by the directional arrows.

1.8 - REQUEST FOR MAINTENANCE AND TECHNICAL ASSISTANCE SERVICES

For maintenance, technical assistance, or acquisition of spare parts, you must contact Sitmed's technical assistance department by phone (+55 54) 3196 8000 and 3196 8001, WhatsApp (+55 54) 99904 4900 or by email: sac@sitmed.com.br, contato@sitmed.com.br, or vendas@sitmed.com.br.
To facilitate the technical assistance service, please always inform the serial number (SN) located on the adhesive fixed on the lower structure of the stretcher bed or on the packaging label.

1.9 - DECOMMISSIONING AND DISPOSAL OF THE EQUIPMENT

As soon as the poor condition of use of the stretcher is evidenced, whether due to its natural wear, damage, misuse, or accident damage to the ambulance, and it is not contaminated by any infectious agent or contaminant, it can be discarded for recycling, since all the materials used are recyclable.

2 - IMPORTANT WARNINGS

2.1 - GENERAL WARNINGS FOR USE AND SAFETY

• The Retractable Stretcher must be operated only by trained and qualified professionals. Improper or incorrect use can damage the equipment and cause injury to the patient and rescuers.

• Do not allow untrained people to help maneuver, use or move the stretcher, as they may cause injury to the patient, rescuers and themselves.

• An accident victim can only be transported after being properly evaluated, stabilized and immobilized.

• Always immobilize the patient using the belts that accompany the stretcher, which are designed for this purpose. Lack of immobilization can pose serious risks to the patient's physical integrity.

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• To safely and efficiently transport the patient, always use all safety belts, including the shoulder belts, and keep the side handles armed at all times.

• Never leave the patient alone on the stretcher, as the lack of assistance contributes to the risk of falling.

• To avoid any risk to the safety of the patient and the rescuer during transport, it is recommended that at least two rescuers be present, one positioned at each end of the stretcher.

• Pay close attention to possible obstacles in the path of the stretcher's movement, preventing debris from locking the wheels, destabilizing the rescuers, and consequently causing the stretcher and patient to fall.

• When handling the stretcher without patients, always keep the safety belts buckled and the side handles armed to prevent damage to the equipment.

• Perform periodic maintenance as described in this Manual, as proper and continuous maintenance ensures longer equipment lifespan and maintains safety during use.

• Use only original parts supplied by Sitmed and, before performing any maintenance, carefully read this Manual and/or contact Sitmed's technical assistance to receive guidance and clarification. Using unsuitable or incompatible replacement parts, as well as modifying the equipment by altering the original design, in addition to generating accident risks and loss of warranty, also results in the owner of the equipment being held responsible for any damages caused.

• Before using the equipment, make sure it is in perfect working condition. Regularly check its integrity, carefully examining the stretcher to confirm the absence of damage to its structure or loose components.

• Always store the equipment in a clean and perfect condition for the next use.

• Do not store the equipment under heavy objects that may cause damage to its structure.

• The equipment must not be exposed to or come into contact with any source of combustion or flammable agents.

• Once inside the ambulance, the equipment must be securely anchored to the anchoring system, keeping it firmly in place to prevent accidents with the loose stretcher.

• Do not use the equipment if any damage, failure, or malfunction is identified. In these cases, the equipment must be segregated, and technical assistance, maintenance, or disposal measures must be taken to prevent accidents or inadequate care.

• Under no circumstances should the equipment be tampered with, modified, or adapted. In these cases, the warranty is void, and the responsibility for damages to the equipment, the rescuer, or the patient rests with the owner of the equipment, with Sitmed being exempt from any liability.

• The distributor or owner of the equipment must be aware of the legal requirements and valid in the country of final destination applicable to this medical device, including Laws, Regulations and Standards on technical specifications, safety requirements and disposal.

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• Laboratory tests, field tests, risk analysis, and the instruction manual do not always manage to predict all possible scenarios for the use of this equipment. In this way, the performance of the equipment in some cases may be different from the results obtained. Promptly notify Sitmed of any inconsistency between the equipment and what is described in this Manual, in order to ensure the conformity of the product with the specifications of use and safety.

• The health authorities, as well as the manufacturer, must be immediately informed of any accident caused by this equipment, as well as the measures taken. All with the aim of always ensuring the physical integrity of patients and rescuers.

• Use the equipment with due care and diligence, contributing to ensuring compliance with the safety and usability requirements of the equipment, as set forth in this Manual.

• In case of any doubt regarding the correct interpretation of the instructions contained in this Manual, please contact Sitmed immediately by phone +55 54 3196 8000, by WhatsApp +55 54 99904 4900 or by email: sac@sitmed.com.br

2.2 - LIMITATION OF LIABILITY

Sitmed disclaims any responsibility for damages or accidents caused under the following conditions:

- Non-compliance with the instructions, and use contrary to the instructions in this Manual;
- Natural wear and tear of parts and components without proper replacement;
- Use by inexperienced, untrained and/or uncertified personnel;
- Incorrect and improper use of the safety belts;
- Inadequate installation of the anchoring system in the ambulance;
- Non-observance of the integrity of the equipment;
- Lack of periodic maintenance.
-

2.3 - SPECIFIC WARNINGS

• Establish a schedule of periodic maintenance and testing to identify failures, loose parts, natural wear and tear from use, and thus ensure the essential requirements for using the equipment, as provided for in this Manual. Sitmed recommends semi-annual maintenance and testing.

• Use only original Sitmed components, replacement parts and accessories.

• Always respect the maximum load capacity of 300 kg, considering in the calculation the weight of the patient, life support equipment and accessories. Equipment and accessories must always be distributed in a way that maintains the stability of the equipment.

• After cleaning and disinfection, before being stored, it is recommended that the equipment be completely dry.

• Follow the procedures approved by the Emergency Medical Services for the proper positioning and transport of the patient.

• Before each use, check the integrity of the safety belts. In case of malfunction or damage that may compromise the operation and safety of the patient or rescuer, the replacement of the belts is essential.

• The swivel wheels are not suitable for all types of terrain, so be careful when driving the stretcher on uneven ground. The stretcher must always be driven by TWO rescuers, one at each end, and always with care to prevent the equipment from colliding with any obstacle, and causing imbalance and even the consequent fall of the patient.

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2.4 - CONTRAINDICATIONS AND SIDE EFFECTS

• The use of the stretcher as described in this Manual will result in efficient and effective rescue.

2.5 - PHYSICAL REQUIREMENTS OF THE OPERATORS

The STRETCHER is a device intended for professional use only, and the rescue operators must have the following minimum requirements:

• Have good muscle structure and motor coordination;
• Have been properly instructed and trained to use the medical device;
• Have the knowledge to assess the conditions and risks;
• This stretcher requires at least TWO operators, with strength, balance, coordination and common sense. In certain situations, such as when dealing with obese patients, performing transfers, transporting on uneven terrain or facing special and adverse circumstances, the participation of more than two rescuers in the operation of the stretcher may be required. The evaluation of the training and skills of the auxiliary rescuers is for the purpose of preventing incidents during the procedure.

2.6 - ENVIRONMENTAL CONDITIONS
Operating temperature: from -20 to +50 ˚C Relative humidity: from 20 to 100%.

PRODUCT DESCRIPTION
Sitmed Level Up II - MRS 321 Bi-Articulated Stretcher was specially designed for heavy loads and to reduce the effort when placing or removing it from ambulances. Built in lightweight and durable duralumin, it has a retractable and automatic assembly system, adjustable backrest in rigid plastic material, a mattress made of polyurethane foam, coated in waterproof material with electronic stitching, a set of safety belts and a complete anchoring or locking system. It offers agility, safety, practicality and robustness.

The Sitmed stretcher offers optional features to meet different needs:

- 127 mm (5-inch) wheel for regular terrain with low oscillation.
- 200 mm (8-inch) wheel for uneven terrain.
- Retractable aerial axle for access to limited spaces, reducing the size of the bed.
- Footrest/Trendelenburg to raise the patient's legs for hypotensive patients and for pain relief.
- Standard color: Sitmed orange.

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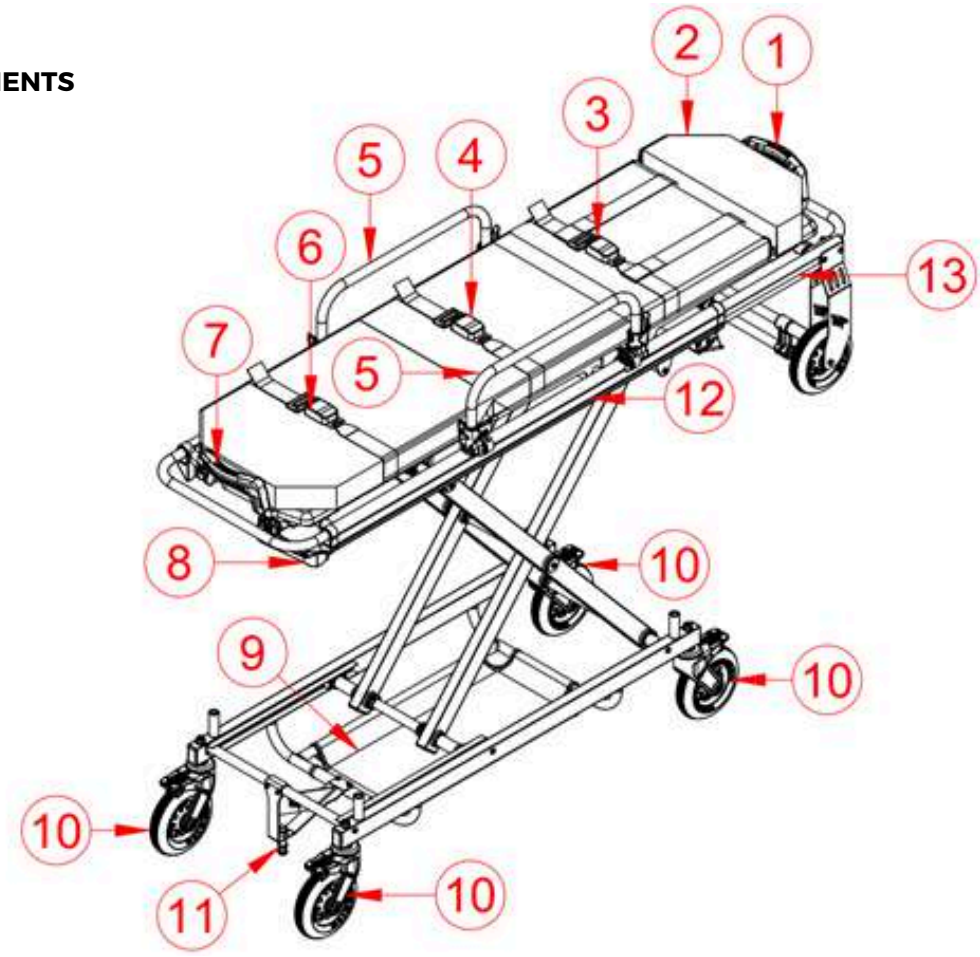
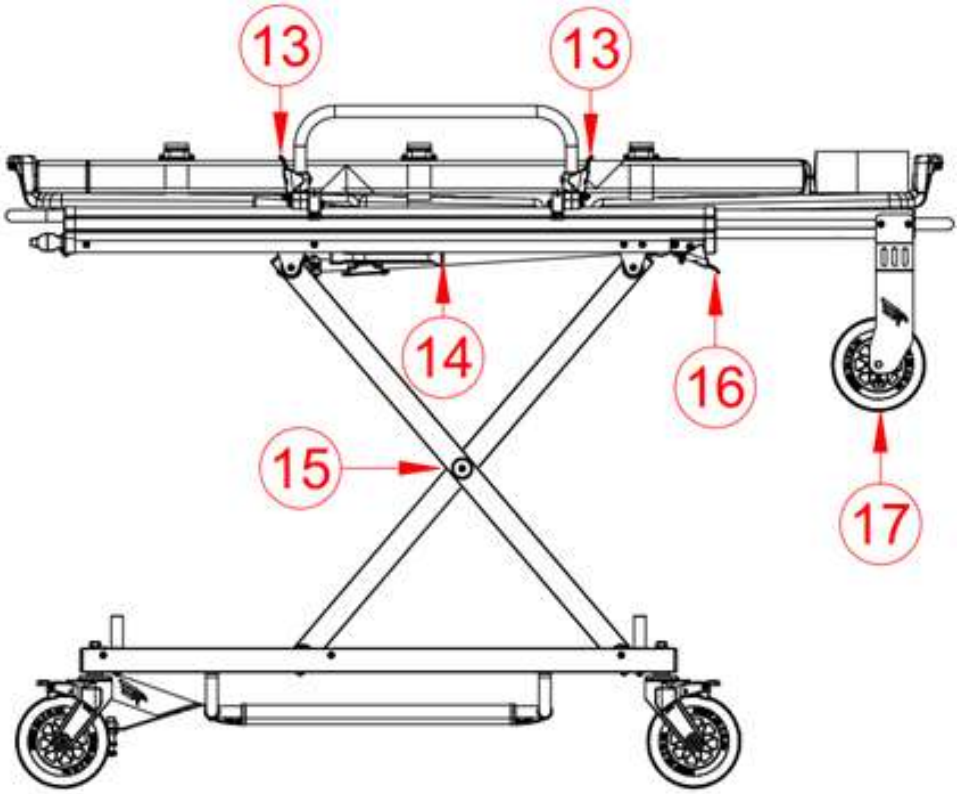
- Customized color available upon consultation.
- Fixed support for IV fluids and blood, easy to activate and adjust.

Note: The height of the aerial wheels must be adjusted according to the height from the ground to the floor of the ambulance.

3.1 - MAIN COMPONENTS





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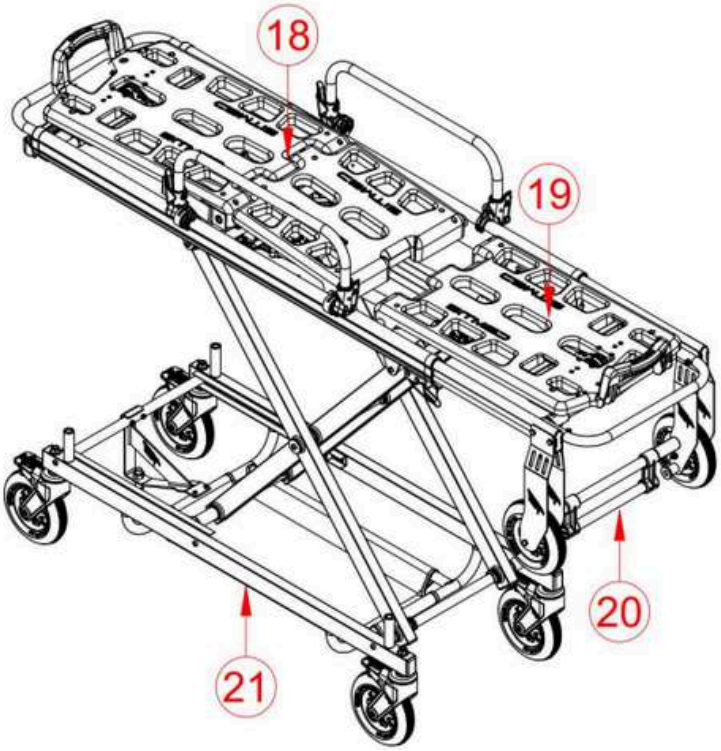

N°	COMPONENT DESCRIPTION
1	FRONT HANDLE
2	MATTRESS
3	4-POINT BELT - CHEST AND SHOULDER
4	2-POINT BELT - PELVIS
5	SIDE HANDLE
6	2-POINT BELT - FEET
7	REAR HANDLE
8	RETRACTION LEVER
9	MATERIAL TRANSPORT COMPARTMENT
10	CASTER
11	LOCKING PIN
12	BALLAST
13	SIDE HANDLE TRIGGER
14	SIDE RETRACTION LEVER
15	"X" JOINT
16	AERIAL AXIS TRIGGER
17	AERIAL WHEEL
18	FOOTREST / TRENDELENBURG
19	HEADREST / FOWLER
20	SAFETY LOCK
21	SUPPORT STRUCTURE / CART

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3.2 - TECHNICAL DATA

CHARACTERISTICS

MEASUREMENT WITH 200 MM CASTERS WIDTH.....612 mm
LENGTH OPEN.....2050 mm
LENGTH OPEN WITH AERIAL AXIS RETRACTED (OPTIONAL).....1712 mm
HEIGHT OF AERIAL AXIS "A" SEE DIMENSIONS AND WEIGHT TABLE
LENGTH CLOSED.....2050 mm
DISTANCE BETWEEN FIXING POINTS.....1673 mm
LENGTH OF THE BED.....1890 mm
WIDTH OF THE BED.....490 mm
LOAD CAPACITY.....300 kg
NET WEIGHT.....51 kg

QUANTITY	ACCESSORY	WEIGHT (KG)
1	2-POINT SAFETY BELT (PELVIC REGION)	0,3
1	2-POINT SAFETY BELT (FEET)	0,3
1	2-POINT SAFETY BELT (CHEST)	0,4
1	MATTRESS PAD	3,0
1	LOCKING / ANCHORING SYSTEM	1,5
1	LOCKING / ANCHORING SYSTEM (GUIDE)	0,7

OPTIONALS	WEIGHT (KG)
IV POLE	0,8
OXYGEN SUPPORT	2,0
MONITOR STAND	6,0

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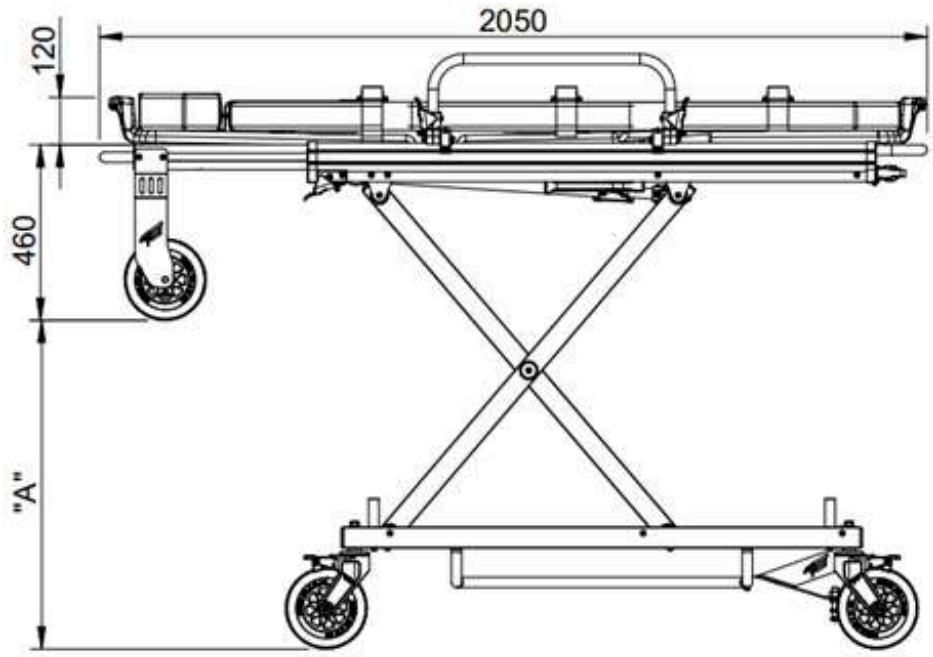

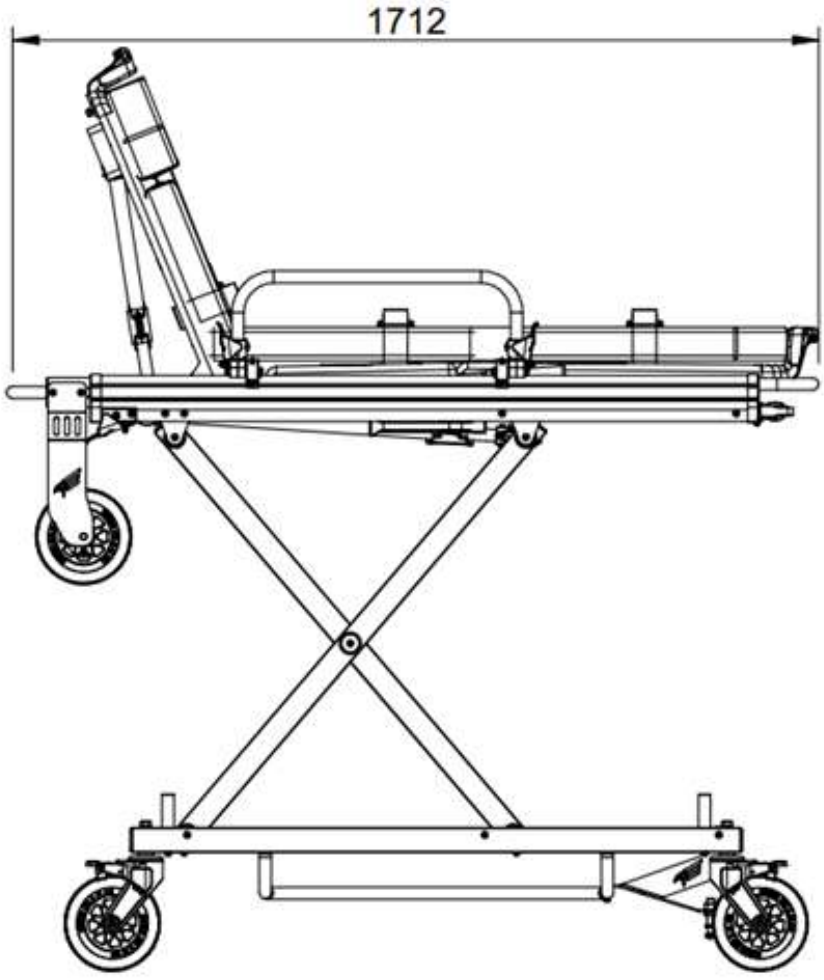

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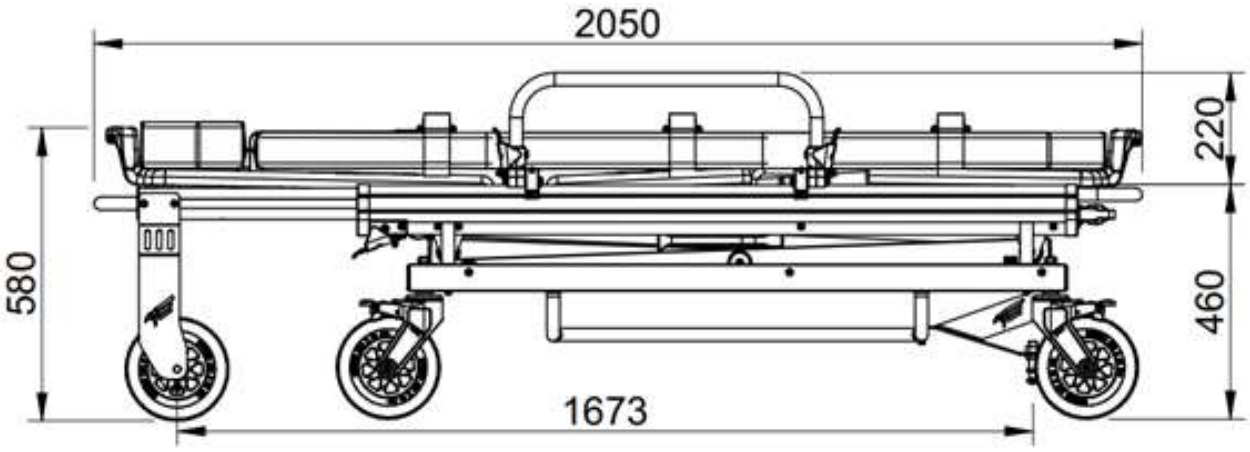

DIMENSIONAL AND WEIGHT TABLE	
WHEEL 8" - 200 mm	

POSITION	HEIGHT "A"
1	0-CLOSED
2	220
3	320
4	415
5	500
6	575
7	650
8	725
9	800

NET WEIGHT*	WEIGHT WITH ACCESSORIES*	WEIGHT WITH PACKAGING*
51	55	65

*Net Weight - Stretcher
*Weight with Accessories - Stretcher + 2P Belt + 2P Belt + 4P Belt + Mattress
*Weight with Packaging - Stretcher + Accessories + Fixing System + Packaging

Note: All measurements are in millimeters.

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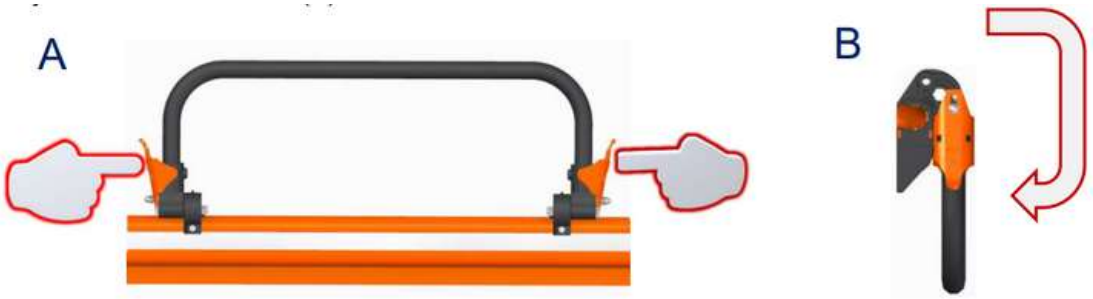
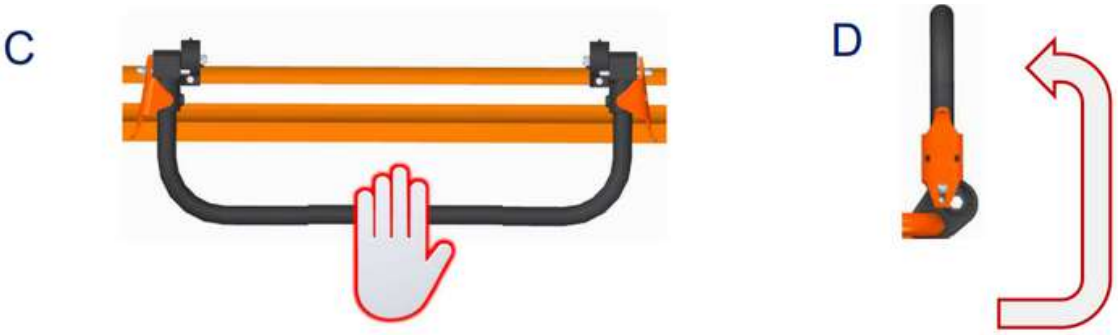
3.3 – SIDE HANDLES

The side handles on the stretcher are intended to protect the patient during transport. To operate, locate the side triggers and activate them simultaneously (A), then lower the assembly in the lateral direction (B).

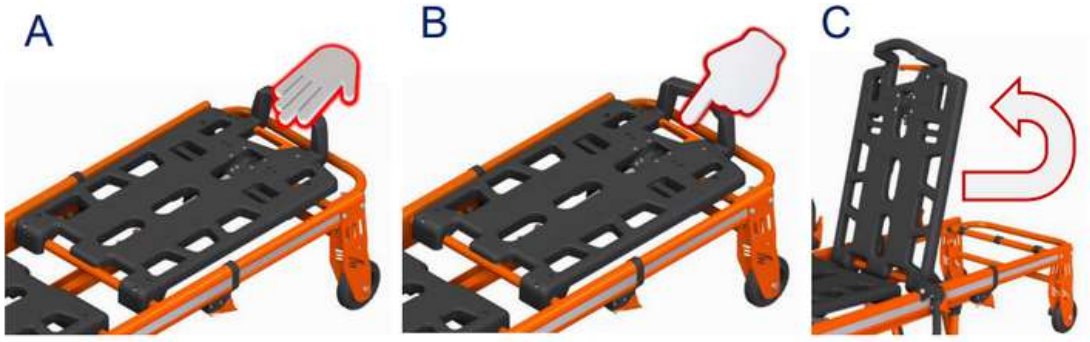


To raise the handle, hold the central part (C) and move it until it is perpendicular to the bed (D). The handle assembly will automatically lock into place.



3.4 – HEAD SECTION (FOWLER)

The head section of the stretcher is designed to elevate the patient's torso and head region. It has 6 height levels with an elevation range of 0˚ to 70˚. For adjustment, place one hand on the handle (A), supporting the weight, and with the other hand, activate the trigger (B) to release the movement of the assembly. Position the head section at the desired height, release the trigger, and listen for the "click" of the locking pin before releasing (C).



3.5 – IV AND BLOOD BAG SUPPORT

The IV and blood bag support is an optional accessory that can be attached to the Sitmed stretcher. It is retractable and has a telescopic mechanism that allows height adjustment. Locate the support on the front of the equipment (A). To use it, hold the shaft and activate the lower trigger (B), then move the assembly perpendicular to the bed until the locking pin "clicks" (C). To close it, perform the reverse movement.

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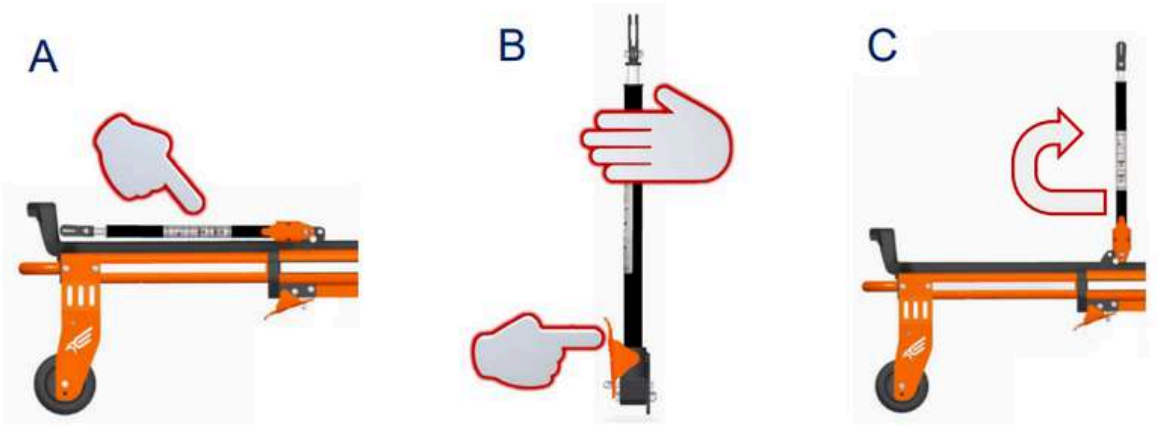
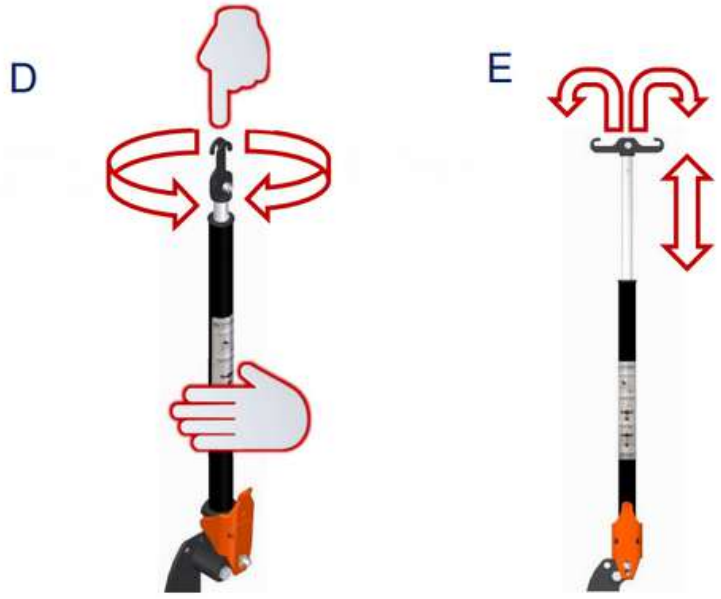


To adjust the height, position one hand on the support shaft and with the other, rotate the upper shaft counterclockwise (D). Adjust the height to the appropriate position and rotate clockwise to lock it, then open the suspension hooks for the IV or blood bags (E).



3.6 – MOBILE AIR SHAFT

The mobile air shaft is an optional feature of the Sitmed stretcher, designed to reduce the length of the stretcher for movement in limited access areas and elevators.
To retract the air shaft, first check if your equipment has this option and also has an IV support. If so, follow these steps:
1 - Move the IV support to the perpendicular position to the bed, as in item 3.5 C.
2 - Raise the head section (Fowler) to the highest level, with the patient sitting, as in item 3.4 C.
3 - To retract the air shaft, position yourself at the front of the stretcher (A),
4 - Then locate the release triggers for the assembly on the lower part of the bed (B).
5 - Lean in, activate the triggers simultaneously, and push the assembly with your body (C).
6 - Push the air shaft assembly until it is fully retracted and locked at the end of the travel (D).
To extend the air shaft again, perform the simultaneous trigger activation movement and observe that the extension movement starts automatically, then pull the assembly by the front arch until the pins are locked. Test to ensure the locking has occurred to avoid accidents.

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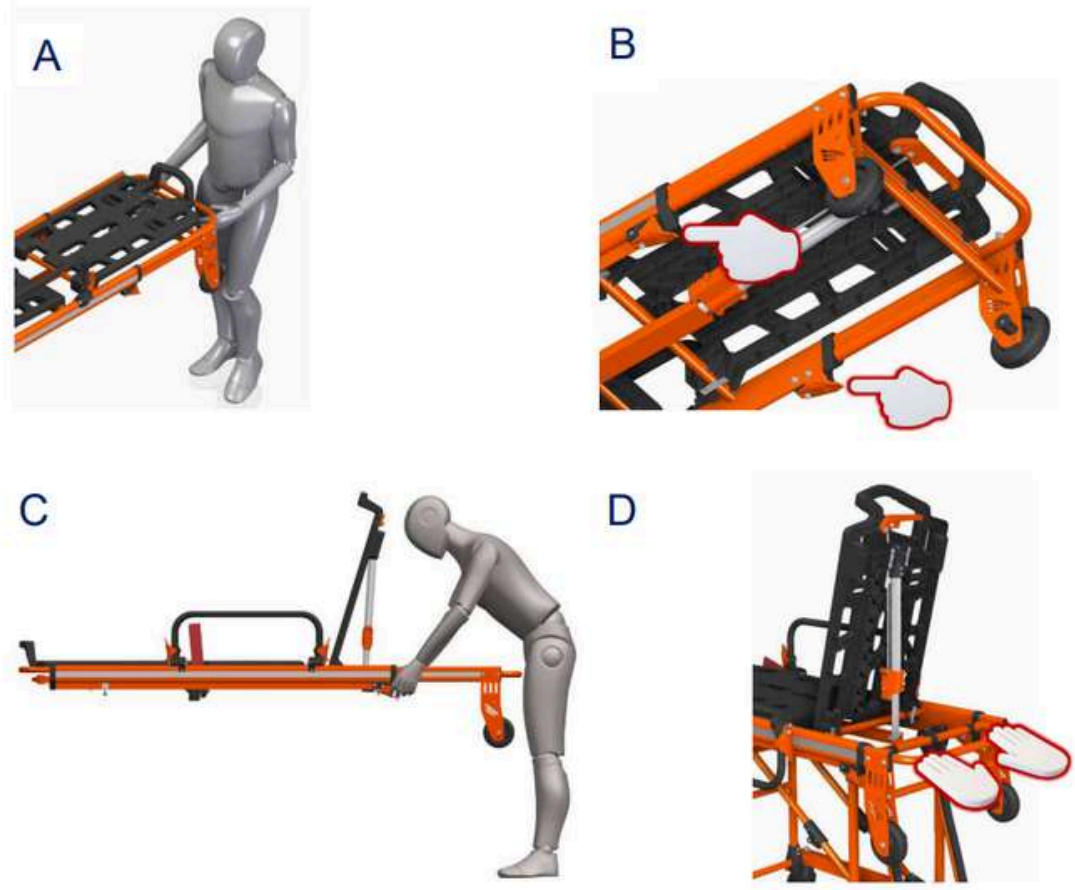
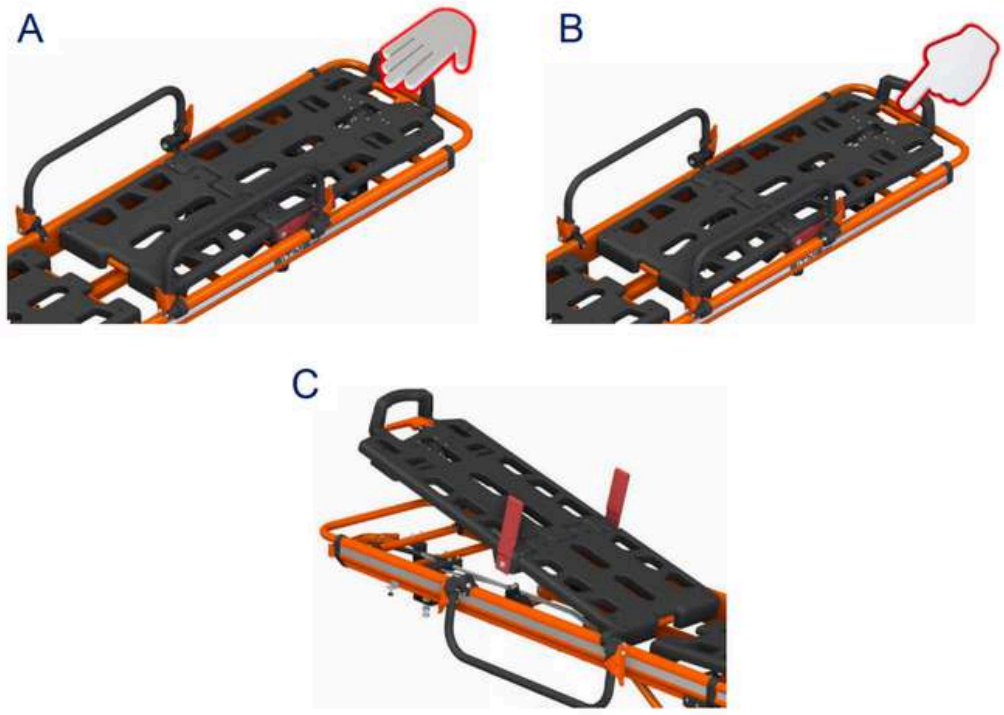


3.7 – MOBILE FOOTREST (TRENDELENBURG)

The mobile footrest (Trendelenburg) is an optional feature of the Sitmed stretcher, to raise the patient's legs during treatment. It has 3 adjustment levels: flat, level 1 and level 2.
To raise the legs, place one hand on the handle (A), supporting the weight, with the other hand activate the trigger (B), raise to the desired height and release the trigger, wait for the "click" of the locking pin before releasing the handle (C).



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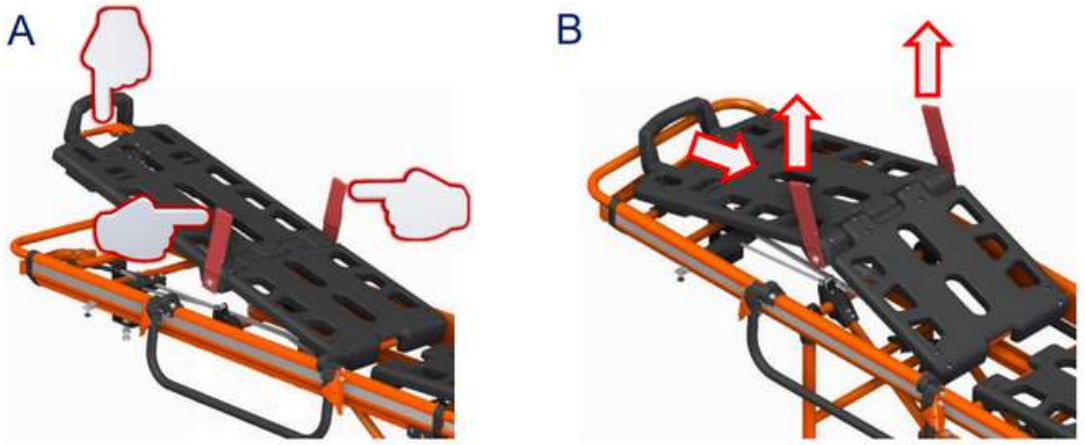
3.8 – LEG FLEXION

The leg flexion position is an optional feature of the Sitmed stretcher and is a variation in the position of the mobile footrest for cases where the patient's condition allows, providing greater comfort during transport.
To perform this position, raise the footrest to the highest point, see item 3.7, hold the center handles of the footrest, support the weight, and then activate the trigger, flexing the footrest until the "click" of the locking pin (B).
To return the footrest to the flat position, hold the handle supporting the weight and activate the trigger, move it to alignment, choose the position and listen for the "click" of the pin before releasing.



3.9 – BED POSITIONS

The Sitmed stretcher was developed to provide the best conditions for patient care and comfort. Below are the configuration possibilities for the patient's accommodation bed.

NOTE: It is only possible to perform all configurations for the model with the optional mobile footrest.

3.9.1 – OPEN POSITION

With the legs fully extended. This is the position for moving the stretcher and transporting the patient.

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3.9.2 – CLOSED POSITION

With the legs retracted. This is the position the stretcher is in when introduced into the ambulance, but it can also be used to facilitate patient accommodation.

3.9.3 – SUPINE POSITION

The supine position, also known as the dorsal decubitus position, is when the patient is lying on their back, with their face upwards, their legs extended and their arms at their sides. This position is one of the most common positions in patient transport and can be indicated for various clinical situations, including: monitoring, post-operative, rest and comfort, medical exams and procedures, prevention of pressure ulcers, facilitation of drainage, airway management, among others.

3.9.4 – FOWLER POSITION

This position, also called semi-Fowler, consists of raising the torso at an angle between 40 and 50 degrees in relation to the bed. This position can be adjusted to different degrees of inclination, depending on the patient's needs. The Fowler position is indicated for various clinical situations, including: Improving breathing, reducing gastroesophageal reflux, improving blood circulation, facilitating feeding and swallowing, promoting comfort and post-operative recovery.

3.9.5 – SEMI-FOWLER OR HEAD-OF-BED POSITION

The Semi-Fowler position is a variation of the Fowler position, where the bed is inclined at a smaller angle, generally between 30 to 40 degrees, keeping the patient in a semi-sitting position. This position can be indicated for various clinical situations, including: Respiratory problems, aspiration prevention, reduction of gastroesophageal reflux, post-operative comfort, facilitation of circulation, control of intracranial pressure, reduction of swelling.

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3.9.6 – SEATED POSITION

This position, also known as the orthostatic position or the 70 degree or more position, is indicated for various clinical situations such as: Early mobilization, deep vein thrombosis, pneumonia, performing procedures, gastroesophageal reflux, and improved oxygenation.

3.9.7 – LEG FLEXION POSITION

The leg flexion position with the abdomen facing up is when the patient is lying on their back on the stretcher with their knees bent towards the abdomen. This position can be indicated for: Relief of low back pain, disc hernias, muscle relaxation, venous access, and comfort.

3.9.8 – TRENDELENBURG OR VASCULAR POSITION

A position in which the patient is in the supine position (lying on their back) and the legs are elevated at an angle of approximately 45 degrees. In the Trendelenburg position, the bed or stretcher is inclined with the head lowered and the feet elevated, placing the patient in a descending inclination. This position is used in various clinical situations, including: Improving blood circulation in the lower extremities, improving cerebral circulation in some medical emergencies, prevention or treatment of hypovolemic shock (sudden drop in circulating blood volume), facilitating venous return in some cases of heart failure.

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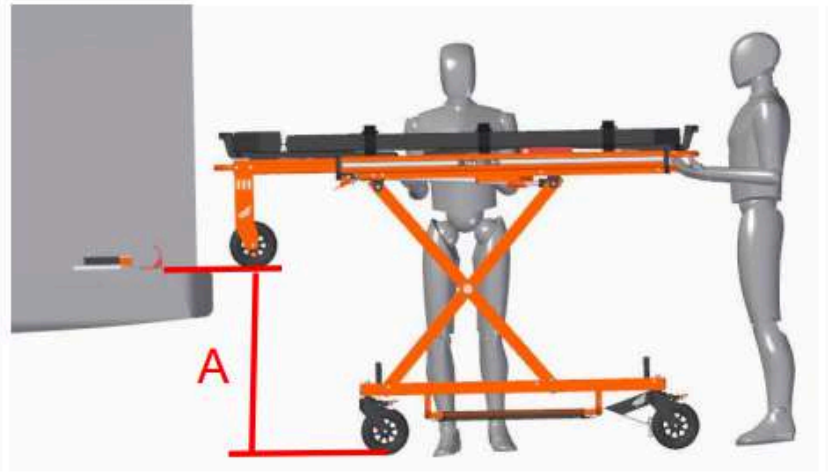
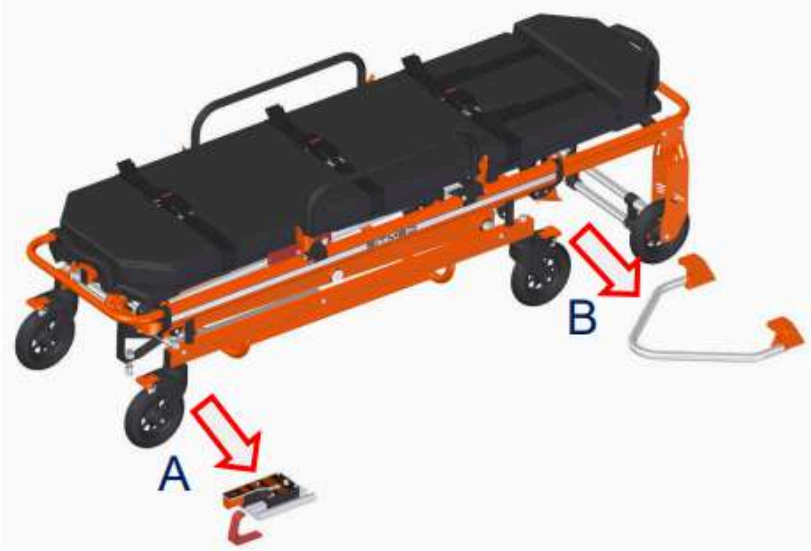
3.10 – STRETCHER HEIGHT / AMBULANCE HEIGHT

The Sitmed pantographic stretchers have predefined "A" air axis height levels, see item 3.2 of this manual. Position the stretcher at the level compatible with the vehicle height to proceed with the entry operation.



3.11 – ANCHORING SYSTEM

The Sitmed stretcher anchoring system in the ambulance is composed of the rail, lock, and safety lock in the rear region (A), and the guide and stops in the front region (B).



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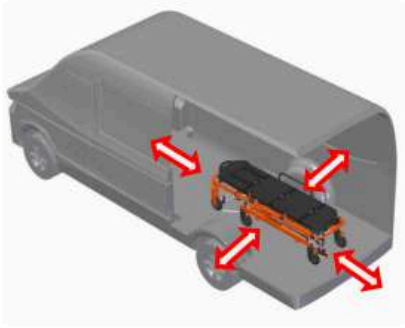
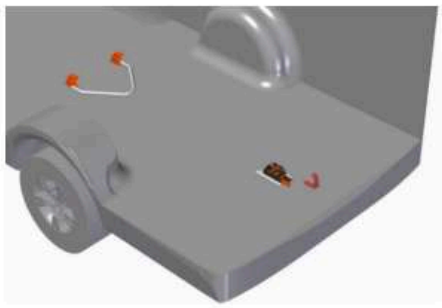
3.11.1 – INSTALLATION OF THE ANCHORING SYSTEM

Position the stretcher inside the ambulance and check the adequate distance in the following directions: front, right side, left side, and rear, in order to allow entry, exit and coupling without any obstacles (A). Mark the positions for drilling and fixing the anchoring system (B). The stretcher anchoring system is essential to ensure the safety of the patient and the operator, so follow the instructions described below for the correct installation and operation.

A

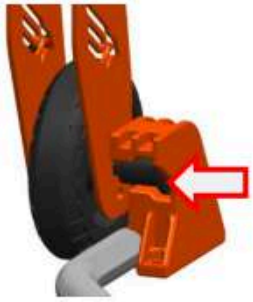


B



With the stretcher in the installation position, attach the front (C) and rear (D) anchoring system to the stretcher. The anchoring system must be adjusted with the minimum possible clearance to avoid oscillations during transport.

C

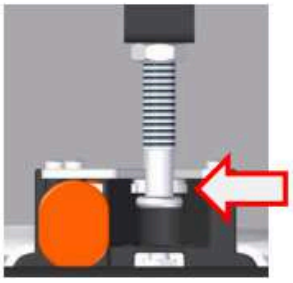


D

If necessary, adjust the height of the pin (E) with the help of 2 size 24 open-end wrenches. The height of the pin must be compatible with the height required for locking in the fixing lock (F).

E

F



The fixing lock can be adjusted on the rail, allowing a fine adjustment to reduce any clearance in the anchoring system (G). To release the movement of the lock on the rail, locate the screw on the surface of the fixing lock (H) and with the help of a size 8 Allen wrench, turn it counterclockwise to release and clockwise to lock.

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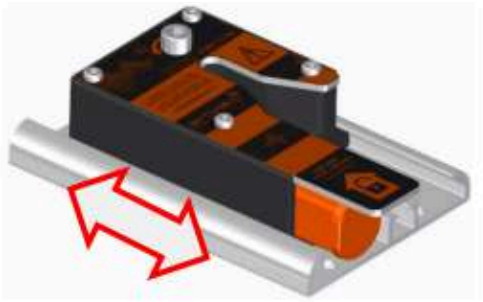
G

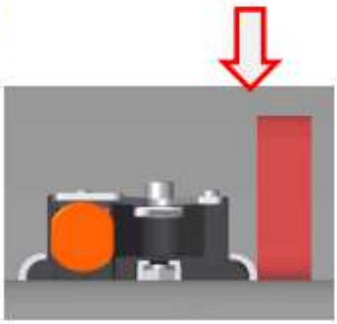


H

The stretcher safety lock must be installed in the position where the air wheel remains supported on the vehicle floor when removing the stretcher from the ambulance (I) (J) (K).

I

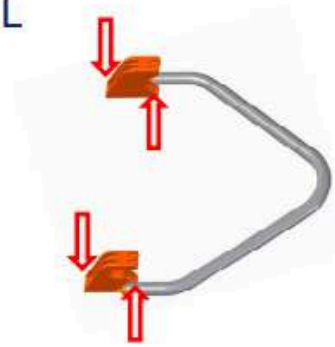
J



K

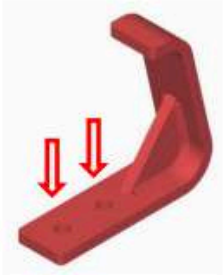
Make sure to position the stretcher correctly and attach the front (L) and rear (M) anchoring systems to the stretcher. Then, position the safety lock (N) and mark the points on the vehicle floor where the drilling will be done. Before proceeding, check that the drilling will not cause damage to the vehicle components. Use an 8 mm diameter drill bit to make the hole.

L



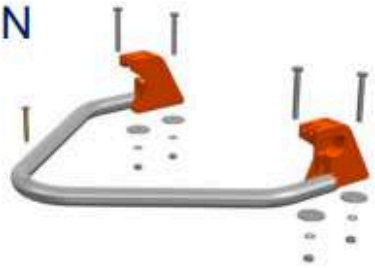
M

N



Secure the front (N), rear (O) and safety lock (P) anchoring system with the hardware available in the kit that comes with the product. Use a size 13 hex wrench and make sure the fixing system bolts are tight and secure.

N



O

P

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To install the rear anchoring system (O), follow the steps below:

1 - First, insert the screws closest to the rear door of the ambulance.
2 - Next, fit the latch assembly into the rear track from front to back.
3 - Finally, insert the other two screws.
4 - Make sure the screws are tightened and tightened securely.

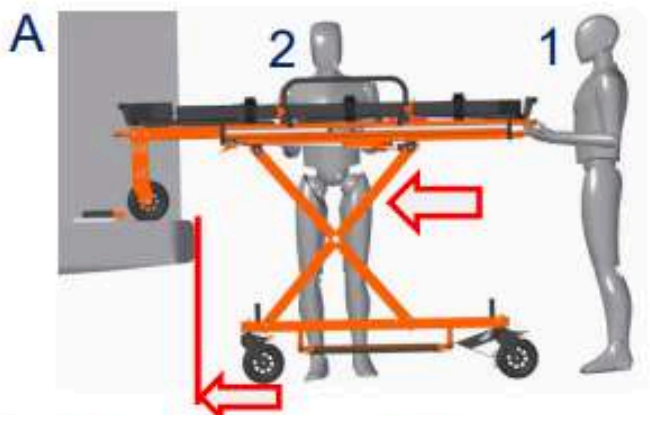
3.12 - INTRODUCING THE STRETCHER INTO THE AMBULANCE

To introduce the stretcher into the ambulance, follow these steps:

1. Position the ambulance in a level location.
2. Leave the ambulance doors in the open and locked position.
3. Make sure the side handles of the stretcher are raised and locked.
4. Check the patient's safety conditions.
5. Operate the equipment with a minimum of 2 operators. If there are unsafe conditions and for obese patients, request the assistance of more operators.
6. Approach the stretcher to the rear door of the ambulance, push until the air wheels rest on the floor, and maintain alignment with the attachment system (A).

Note: For the patient's comfort and to avoid damaging the vehicle and stretcher components, avoid colliding with the stretcher abruptly at the rear of the ambulance.

1. Observe that the lower structure of the stretcher does not exceed the limit of the bumper (A).
2. Make sure the air wheels are fully inside the cargo compartment and in a safe condition (A).
3. OPERATOR 1: Hold the stretcher by the rear arch level with the vehicle floor (B), then lift and activate the retraction lever to release the joint of the lower support / cart assembly (C).
4. OPERATOR 2: Move the lower support / cart assembly to the upper structure / ballast (D), and help push the stretcher into the vehicle (E) (F).
5. Position it in the locking system (G) and perform the coupling (H).
6. Check that the pin is correctly engaged in the anchoring system and that the stretcher is secure for transport.
7. The stretcher has retraction levers on both sides to allow the additional operator to activate the opening and closing (I).



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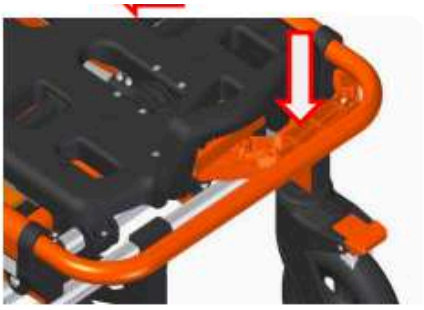
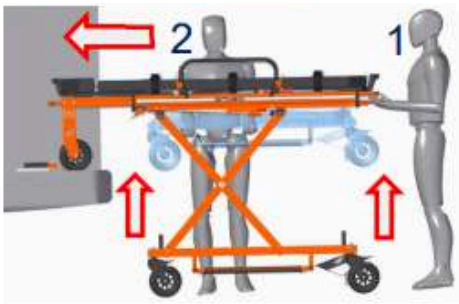
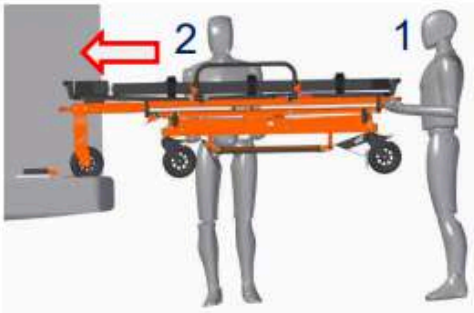
C



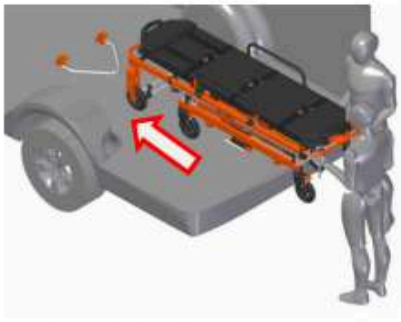
D



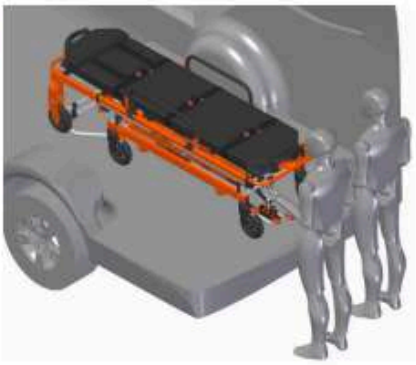
E



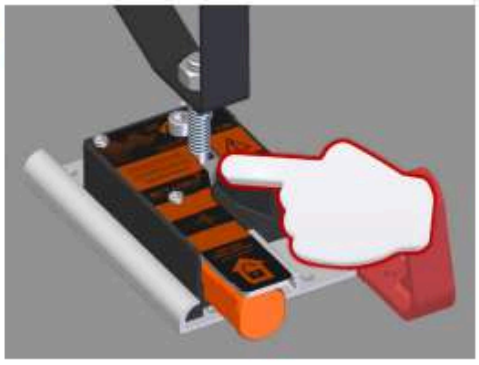
F



G



H



I

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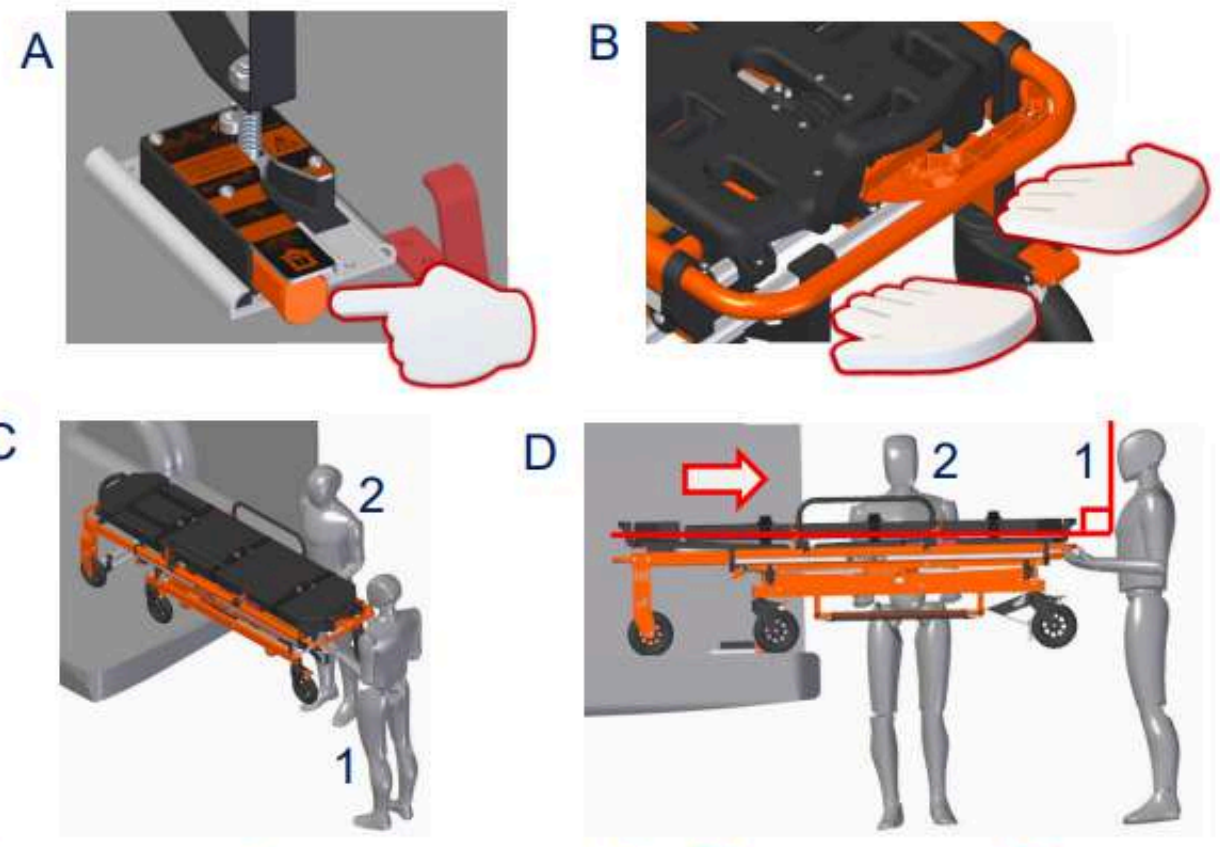
3.13 - REMOVING THE AMBULANCE

For an easy and safe removal of the stretcher, the ambulance should preferably be in a flat location to allow the proper articulation of the stretcher legs.

1. To remove the stretcher from the ambulance, activate the rear anchoring system button, releasing the lock pin (A).
2. OPERATOR 1: Hold the stretcher by the rear arch (B) and gently pull it out of the ambulance, leaving the front wheels of the trolley on the floor (C).
3. OPERATOR 2: Lift the lower support/trolley assembly of the stretcher (D).
4. OPERATOR 1 and 2: Remove the stretcher from the vehicle, keeping the aerial axis on the floor (E).
5. OPERATOR 1 and 2: Ensure that the limit of the lower support/trolley assembly has passed the bumper limit, to allow for opening (E).
6. OPERATOR 1: Hold the bed in a horizontal, parallel position to the vehicle floor, and activate the retraction lever (F).
7. OPERATOR 2: Move the lower support/trolley assembly to the ground/floor (G).
8. OPERATOR 1 and 2: Release the retraction lever and ensure that the opening system is locked/secured.
9. OPERATOR 1 and 2: Observe if the mobile tube of the aerial axis is resting on the safety lock, and if so, move the stretcher 30 cm back into the vehicle.
10. OPERATOR 2: Release the safety lock by moving the mobile crossbar of the aerial axis until it passes through the fixed lock on the vehicle floor (H).
11. OPERATOR 1 and 2: Remove the stretcher from the vehicle.
12. The stretcher has retraction levers on both sides to enable the additional operator to activate the opening and closing (I).



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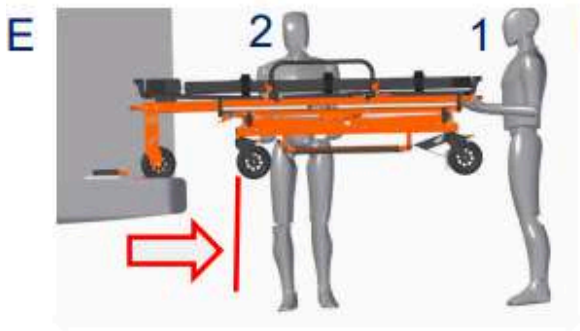

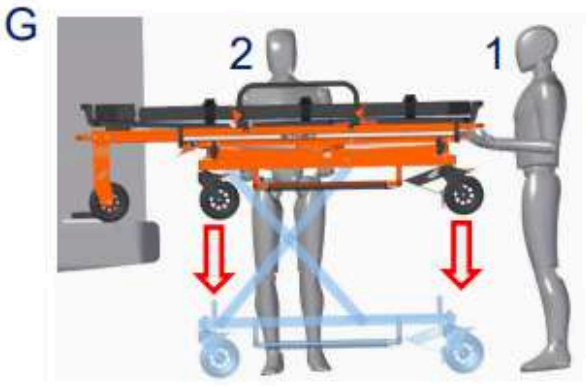

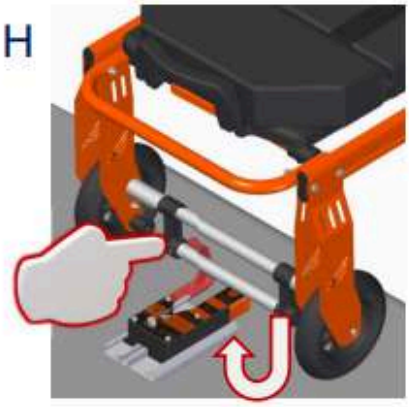

3.14 - LOWERING THE STRETCHER WITHOUT THE PATIENT

Before lowering the stretcher, find a flat and stable place where it is possible to perform the following operations.

1. Ensure that the side rails are raised, otherwise they may be damaged.
2. Position an operator at each end (A) or on the sides (B).
3. Grasp the frame of the counterweight and lift the weight of the stretcher, then activate one of the rear or side retraction levers.
4. Gently lower the stretcher until it is fully closed.
5. For the transport of obese patients, request additional operator assistance.

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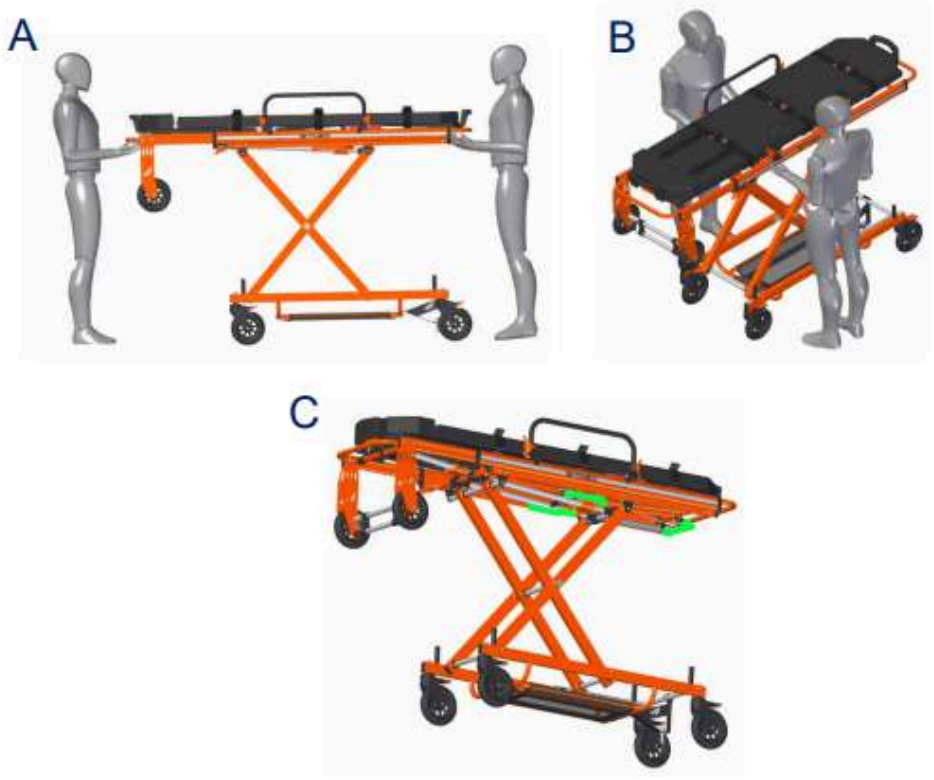

3.15 - PATIENT TRANSFER

Before moving the patient, check if the initial medical assessments have been performed. To move the patient on the stretcher, evaluate the environment, the equipment, and the patient, and request assistance if necessary. Ensure that the operators are skilled and trained before using the stretcher. Always use the safety belts when lifting, lowering, or transporting the patient on the stretcher.

3.15.1 - LOW-LEVEL PATIENT TRANSFER

To place the patient on the stretcher from ground level, follow these steps:

1. Close the stretcher as indicated in section 3.14 of the manual.
2. Position the stretcher close to the patient to minimize the distance for the transfer.
3. Engage the wheel brakes and remember to unlock them before moving the stretcher.
4. Lower the side handle where the patient will be accommodated.
5. If possible, ask the patient to actively collaborate during the transfer to the stretcher, ensuring they are aware of the risks.
6. The patient can sit on the central region of the stretcher and then lie down (A).
7. If the patient is immobilized or unable to cooperate, the operators should position themselves at the extremities, head, and feet, and perform the transfer (B).
8. To raise the stretcher, the operators should position themselves at the extremities (C) or on the sides of the stretcher (D).
9. Activate one of the retraction levers (E) and perform the lifting motion.
10. Before releasing the support of the stretcher, ensure that the opening lock has occurred.

Note: For obese patients, request additional assistance as indicated in section 3.16. Ensure to follow these guidelines to ensure a safe and proper transfer of the patient to the stretcher.

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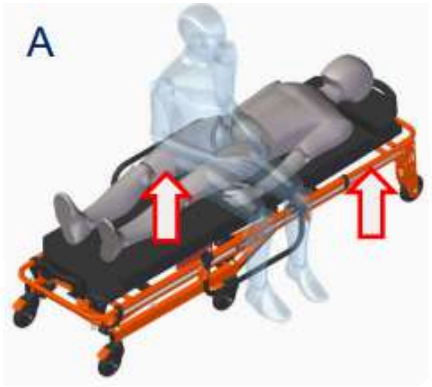

3.15.2 - HIGH-LEVEL PATIENT TRANSFER

To transfer the patient from a hospital stretcher to the Sitmed transport stretcher or from the transport stretcher to the hospital bed, additional assistance is required to perform the operation.

Follow these steps for the transfer:

1. Engage the wheel brakes of the stretcher before moving the patient to the bed and remember to unlock them when necessary.
2. Position the stretcher next to the bed, with one professional at each end of the stretcher (head and feet) and one professional on the side to assist in the transfer of the patient and prevent the stretcher from moving during the operation (A).
3. Ensure that the hospital bed is locked before proceeding with the patient transfer.

Note: For obese patients, it is recommended to request additional assistance as indicated in section 3.16.
By following these guidelines, you can perform the patient transfer safely and efficiently.

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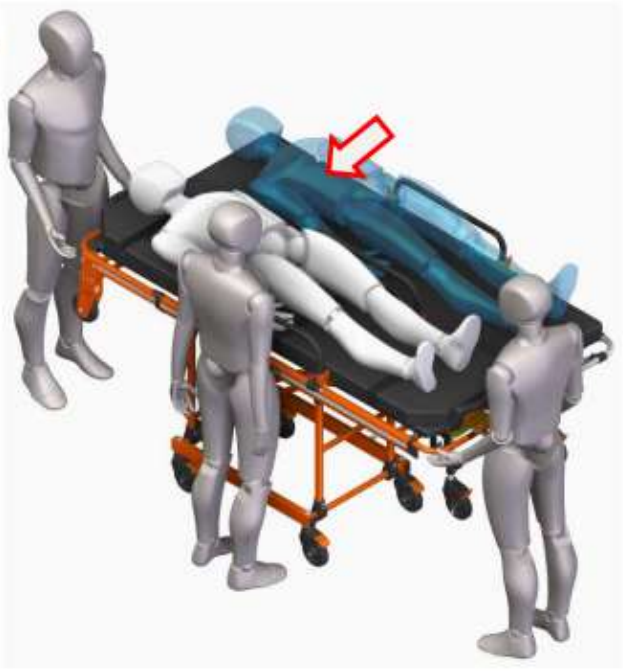
A



3.16 - TRANSPORT OF OBESE PATIENTS

When transporting a stretcher with an obese patient, it is advisable to have additional operators to assist both during the handling and transport (A), and during the entry and exit of the vehicle (B).
Ensure to evaluate the conditions of the environment, the patient, and the operators. Analyze the potential risk situations and decide on the most appropriate approach for the transport, aiming to ensure the safety of all those involved.

A

B

3.17 - PATIENT IMMOBILIZATION

The Sitmed stretchers were designed with the safety of both the patient and the operator in mind.
They are equipped with quick-release immobilization belts along the bed, with the aim of reducing the patient's movements during transport, ensuring their safety.
It is essential not to perform any action of lowering, raising or transporting the patient without using all the safety belts.
The safety belts have different purposes: the 4-point belt is used to immobilize the chest (A), the 2-point belt for the pelvic region (B), and another 2-point belt for the ankles (C).
To fasten the belt, insert the buckle into the latch box (D). To release the belt, press the button on the latch box and remove the buckle (E).

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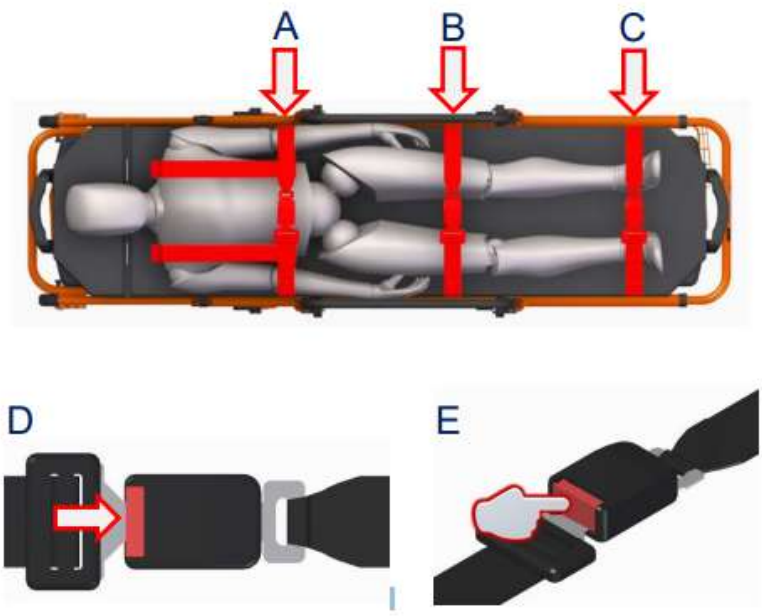

3.18 - WHEEL BRAKE

The stretcher caster has a wheel locking system to prevent the unintended movement of the stretcher, especially on inclined surfaces (A). To engage the wheel brake, press the region marked "ON" until you hear the latch "click" (B). To release the wheel lock, press the brake in the region marked "OFF" (C).
Note: Always use the wheel brakes whenever you stop the stretcher, and release them before moving the stretcher.

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4 - MAINTENANCE

The Pantographic Stretcher requires regular maintenance to ensure its proper functioning and prolong its useful life. Periodically check the components, such as wheels, brakes, safety belts, and fastening systems, immediately replacing any damaged or worn parts. Additionally, it is essential that the owner or responsible party perform periodic inspections and maintenance on the equipment due to its joints and moving mechanisms, to ensure perfect functionality, safety, and increased useful life. Sitmed recommends semi-annual maintenance.

The inspections and maintenance should cover the following points:

- Check for damage to the structure, parts, or joints.
- Evaluate loose or worn components or parts due to use.
- Ensure that screws and nuts are tight and in their proper places.
- Confirm that the casters rotate without play and brake properly when the brake is applied.
- Ensure that all moving parts are functioning correctly.
- Verify the operation of the movable headrest at all inclination levels.
- Ensure that the mattress is sanitized and free of perforations.
- Confirm that the safety belts are sanitized, securely attached to the equipment, and functioning properly.
- Check the operation of the retraction systems to retract the legs.
- Ensure that the stretcher's air wheels are at the same height as the ambulance floor.
- Verify the correct entry and exit of the stretcher into the ambulance.
- Confirm the firmness of the locking systems and that the stretcher couples perfectly.

During an inspection, if any damage or unusual behavior is detected, the equipment must be immediately removed from use until maintenance is performed.

It is prohibited to tamper with the structure of the equipment or perform maintenance using components such as iron, wires, ropes, nails, tapes, bandages, and/or any other items foreign to the original stretcher.

For maintenance, Sitmed suggests contacting its technical department.

Use only original Sitmed components and parts. The use of any third-party parts, accessories, or materials is the sole responsibility of the owner and will result in the loss of the equipment warranty.

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5 - WARRANTY AND TECHNICAL ASSISTANCE

5.1 - WARRANTY:

SITMED guarantees the buyer of its equipment a warranty period of 2 years for structural components such as aluminum profiles and exclusive SITMED parts, effective from the date of issue of the *equipment invoice.
This warranty will be void if the equipment suffers any damage caused by accident, natural agents, use in disagreement with this instruction manual, shows signs of violation in its structure, lack of serial number, adjustment or repair carried out by an unauthorized person or by a fortuitous or force majeure defect.
Other items purchased from third parties for inclusion and formatting of the product, such as: Mattress, seat belts, wheels and casters have a warranty period limited to 12 months, with the term of validity also counted from the date of issue of the equipment invoice.
The device, if used as indicated in the instructions manual below, has an average life of 5 years. The lifetime can only be extended after a general overhaul of the product that must be carried out by the manufacturer or an authorized company.

5.2 - TECHNICAL ASSISTANCE

SITMED will provide warranty-related services exclusively at its respective factory, located in the city of Flores da Cunha - RS - Brazil.

The owner residing in another location will be responsible for the expenses and risks of round-trip transportation of the equipment.

The warranty will only be valid if a manufacturing defect is duly proven, as stipulated above.

There is the ownership of the equipment and the warranty period through the serial number and the *equipment purchase invoice.

Note: In the case of joint purchase of the equipment with the ambulance, request a copy of the invoice for your equipment from the company responsible for the vehicle transformation.

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