



**MEDEVAC SYSTEMS  
INSTRUCTIONS MANUAL**



**Read carefully all the information contained in this manual.** If you have any doubts, immediately contact our technical support by the e-mail: [sac@sitmed.com.br](mailto:sac@sitmed.com.br) or by the phone **+55 54 3196 8000**.

Sitmed has no responsibility for damages or accidents that may happen when using our equipment's in disagreement with the instructions in this manual.

# WARNING



The equipments here presented must be handled only by skilled professionals with knowledge of rescue routines, medical emergencies, patients handling and transport.



These equipments leaves our factory preset. Before using, check if all settings are in accordance with our Online Instructions Manual.



Never use the equipment if it presents malfunction or failure in any of its mechanisms. if this occurs its use should be immediately discontinued.



For a longer lifetime do not expose or use the equipment's under adverse conditions, such as rain, humidity, dirt, sand and excessive heat or cold.



Never change any parts or perform any maintenance that may require structure modifications in the product without contacting our technical department.



Before starting any patient transport procedure, make sure that seat belts are properly buckled and locked.



Always respect the load capacity of each equipment and use it in agreement with the instructions displayed in the equipment.



**Cleaning and care:** The equipment should be periodically cleaned or right after each usage. Cleaning should be done using only cloth soaked in alcohol or neutral detergent



**Preventive Maintenance:** A preventive maintenance schedule should be created and all equipment joints and articulations must be checked, tested and periodically lubricated.

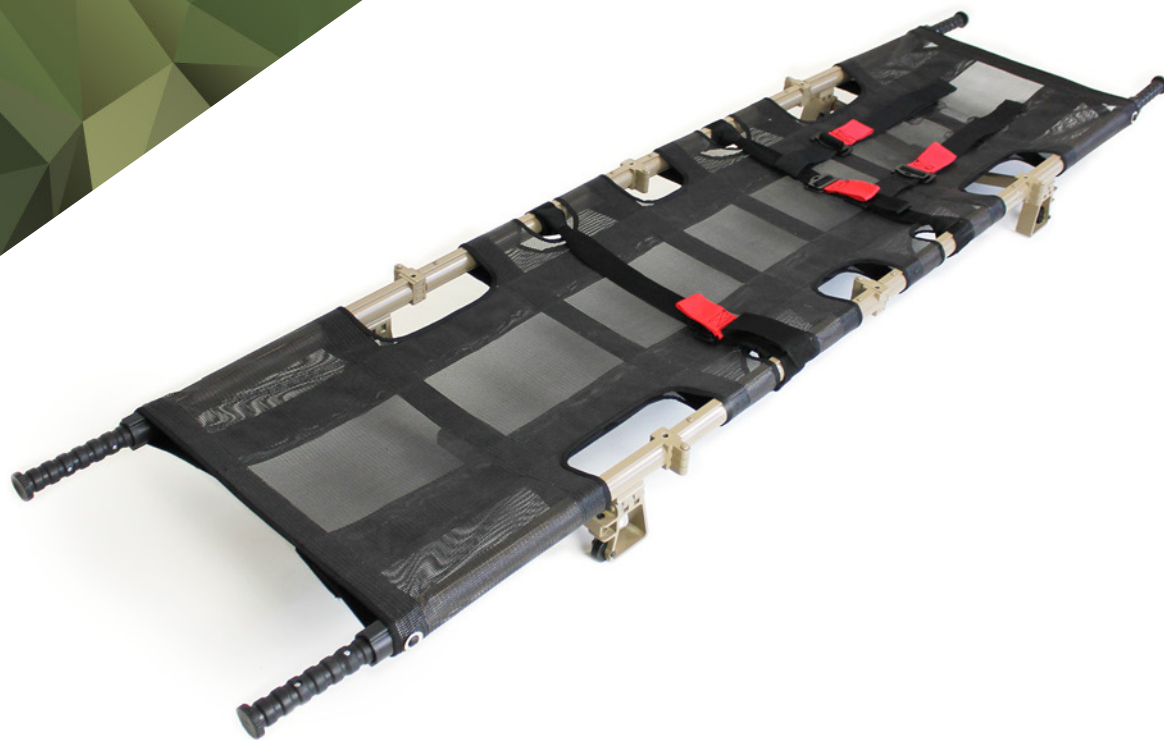


Equipments not enabled for use in MRI rooms.



All products and parts used by Sitmed are recyclable. Before discarding parts or unserviceable equipment, please verify the necessity of disinfecting and sterilizing them. **Having any doubts or difficulties, return your equipment to Sitmed for them to be correctly disposed.**

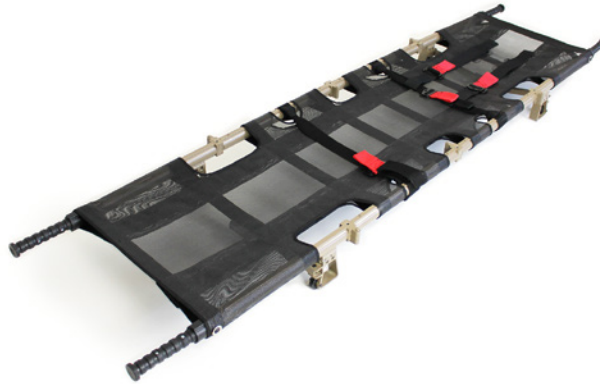
# PANDORA III LITTER MPS 400



# PANDORA III LITTER KIT



Backpack



Pandora III Litter



Krisalis Flexible Litter  
(optional)



IV Pole (optional)



Two Mitis transport  
suspenders (optional)



Adjustable military backrest  
(optional)

# PANDORA III LITTER KIT

## MPS 400

Highly durable, light and compact Multi-folding litter. Easy to carry and operate, Pandora III is a multipurpose litter which can be used under several situations of rescue and medical evacuation.

Structure in hard tubular aluminum.

Drilled fabric frame, which allows the flow of fluids. The base is removable to facilitate cleaning or even for maintenance and replacement.

Highly resistant extruded aluminum fittings.

Compact equipment (Multi-folding opening and closing system).

Retractable transport levers.

Two seat belts (four tips belt for shoulders and a belt for the legs with fast coupling and adjustment).

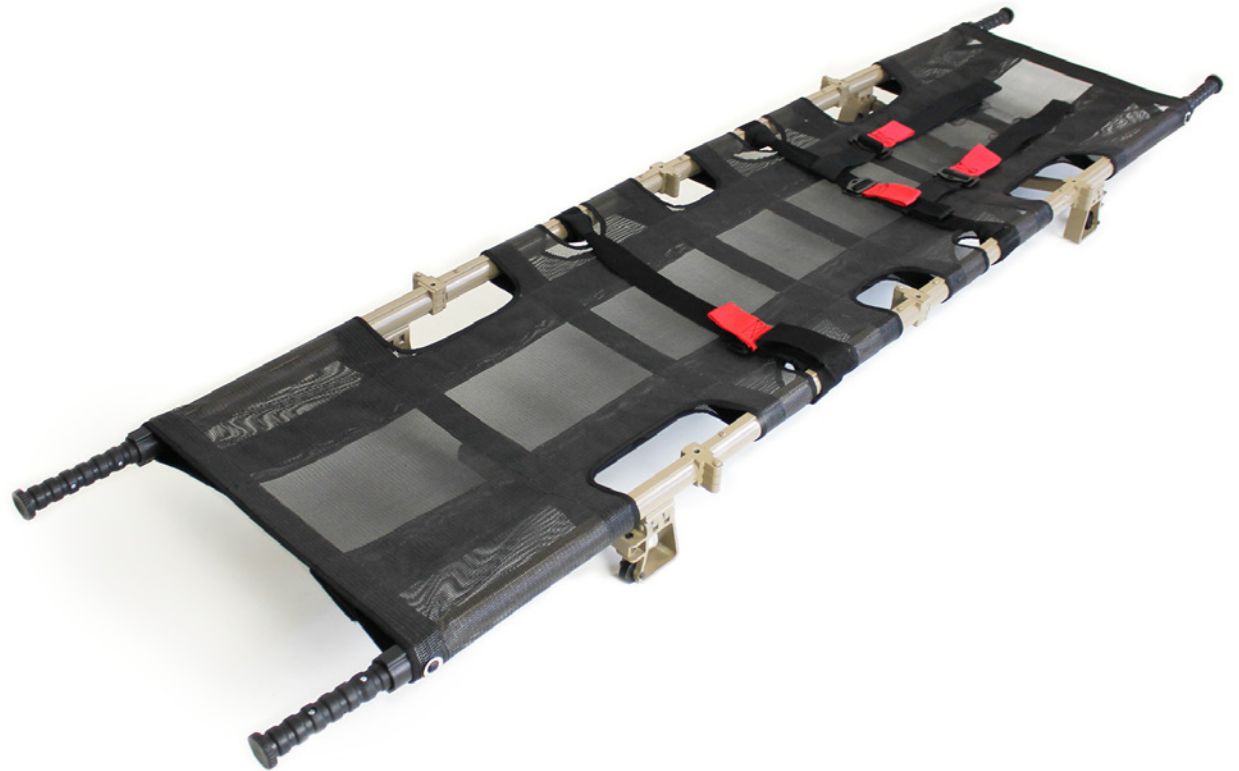
**Sliding support feet**, which aims to facilitate the insertion of the litter inside a vehicle or aircraft without damaging the floor.

Lightweight: Just **18,08 lb.**

Manufactured in accordance with **Stanag 2040**

**250kg** Load capacity (In agreement with **EN1865**) Include transport backpack.

Assembly and dismantling approximate time: **10"**



# PANDORA III LITTER KIT

## MPS 400

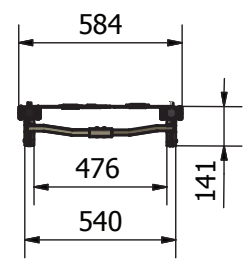
### Technical Information

- Material: **Aluminum**
- Base **Nylon**
- Finishings: **PVC**
- Cubage: **0,048**
- Package Dimension: **330 x 260 x 570**
- Load Capacity: **250kg**
- Gross Weight: **13kg**
- Net Weight: **8,2kg**

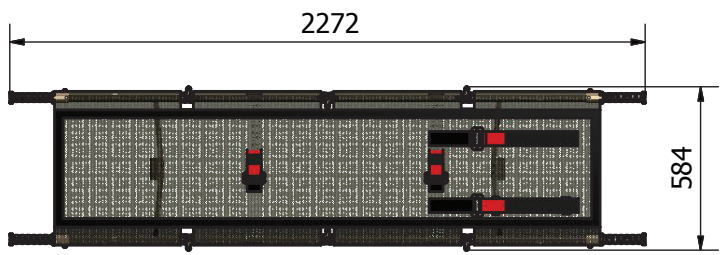
OPEN FRONTAL VIEW



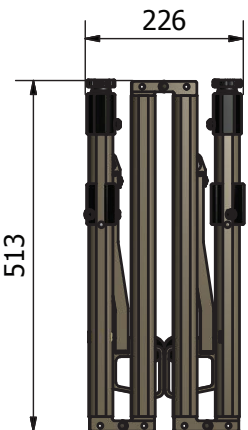
OPEN LATERAL VIEW



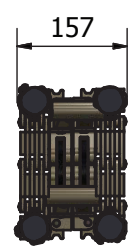
OPEN SUPERIOR VIEW



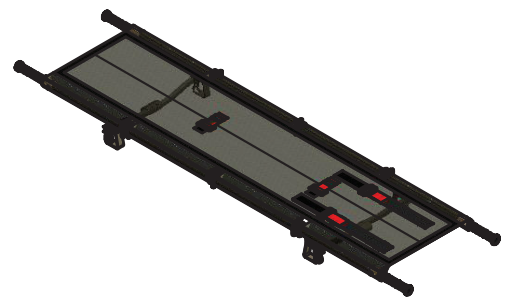
CLÇSED LATERAL VIEW



CLOSED SUPERIOR VIEW



OPEN 3D VIEW

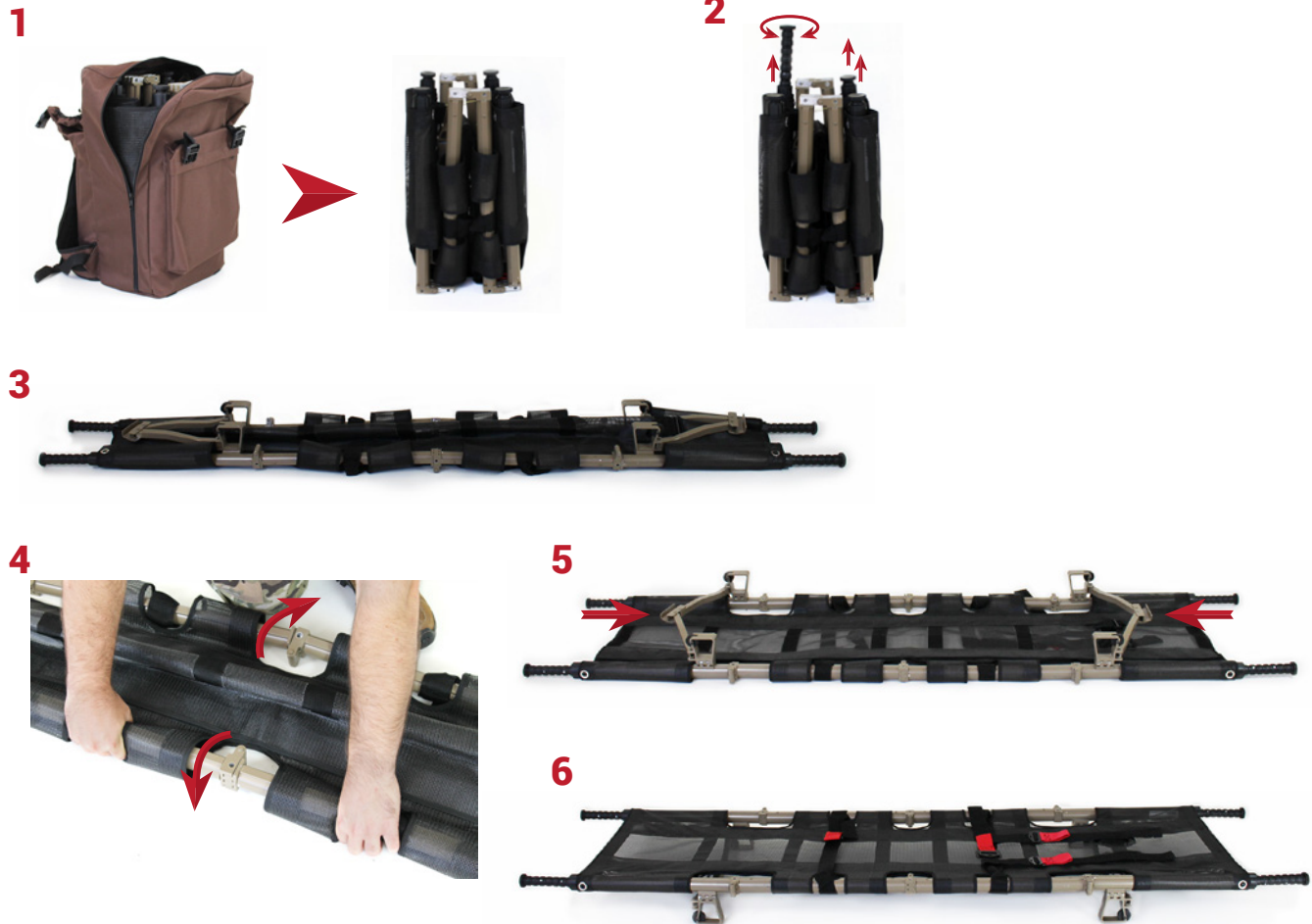


# PANDORA III LITTER KIT

## MPS 400

### Usage Mode

1. Fully open the backpack, removing the litter from its interior and resting the same on the ground, leaving the levers facing the upper side.
2. Rotate the levers counter-clockwise to unlock them. Extend the levers by pulling them up to the bottom and rotate them clockwise to lock it.
3. Open the litter over lengthwise.
4. Rotate the lateral/external frames from both sides in opposite directions so the litter can be completely extended.
5. Lock both of the litter stabilizer bars, pulling the handles from outside to inside.
6. Turn the litter leaving its feet to the bottom.
7. The litter is ready to be used.





# PANDORA III LITTER KIT

## MPS 400

### Disassembly

1. Turn the litter down.
2. Unlock the two stabilizing bars, pushing the handles from the inside to outside.
3. Rotate the lateral/external frames in both sides to the opposite directions.
4. Fold the litter, pulling it upwards in the middle and then fold its extremities.
5. Rotate the levers counter-clockwise to unlock them. Store them by pushing it down and rotate the levers clockwise to lock.



# PANDORA III LITTER KIT

## MPS 400

### Removing the Base

To remove the base, if needed for cleaning, maintenance and replacement.

1. With the base not tensioned, detach the eyelets of the extremities, next to the levers.
2. The base has also a triple fixation with overlapping Velcro that helps to intend the litter (forming sort of a sandwich). Pull away all the Velcros to completely loosen the fabric and then remove it from the litter.

The safety belts also can be removable, either for cleaning or to replace them in a different position, depending on the patient height.



# PANDORA III LITTER KIT

## MPS 400

### Transport

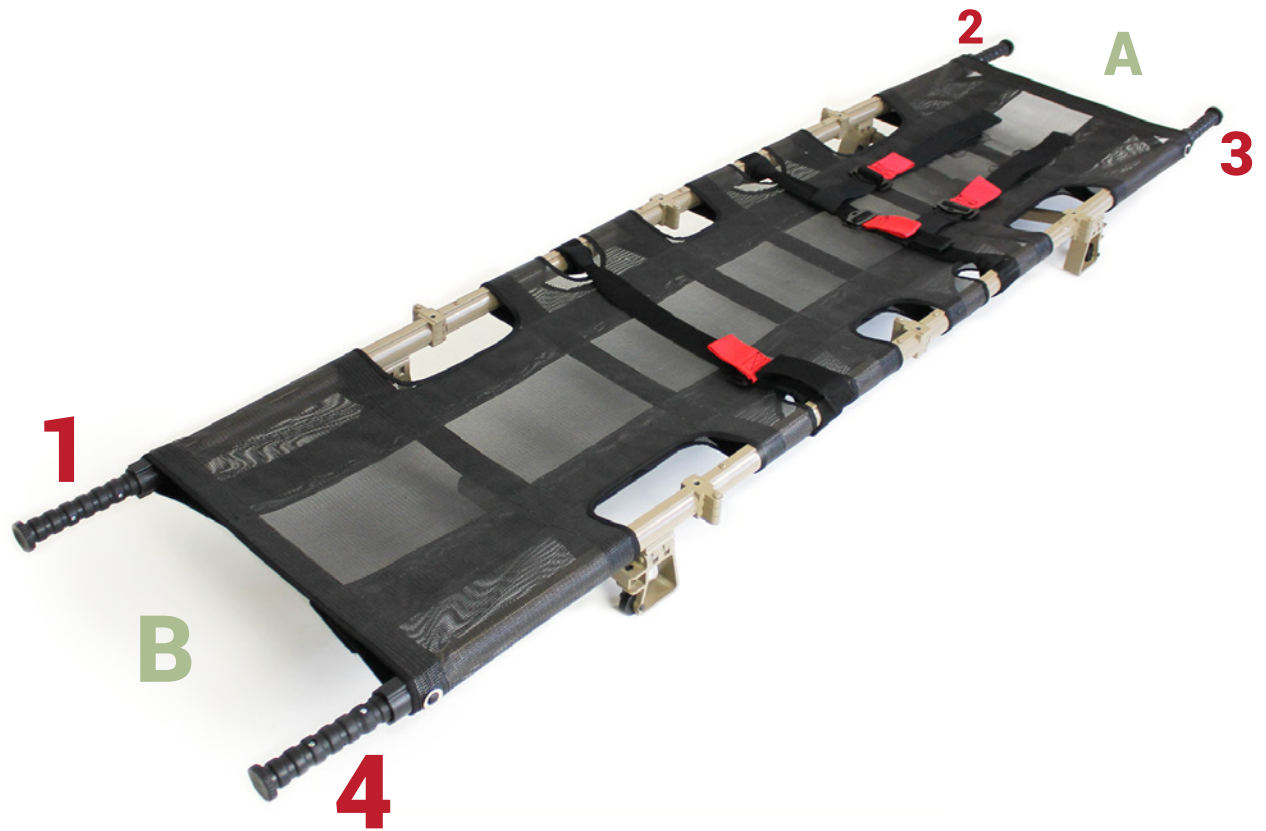
The Pandora III shall be used by trained professionals and with knowledge of the basic rescue routines, aiming the correct stabilization and handling of the victim.

For greater safety it is recommended to handle this equipment with four responders, placed in positions shown as illustrated in positions **1, 2, 3, and 4**.

It's also possible to handle the equipment with just 2 responders, placed as illustrated in positions **A and B**.

To transport the litter, you can also use the Pegasus Carrier (details below).

In extreme cases, depending on the patient's weight it is also possible to handle the stretcher with six responders, all placed as shown alongside.



# IV POLE

## SS 90 - OPTIONAL

Hard tubular aluminum structure.

Rod with adjustable height of 470mm to 750mm.

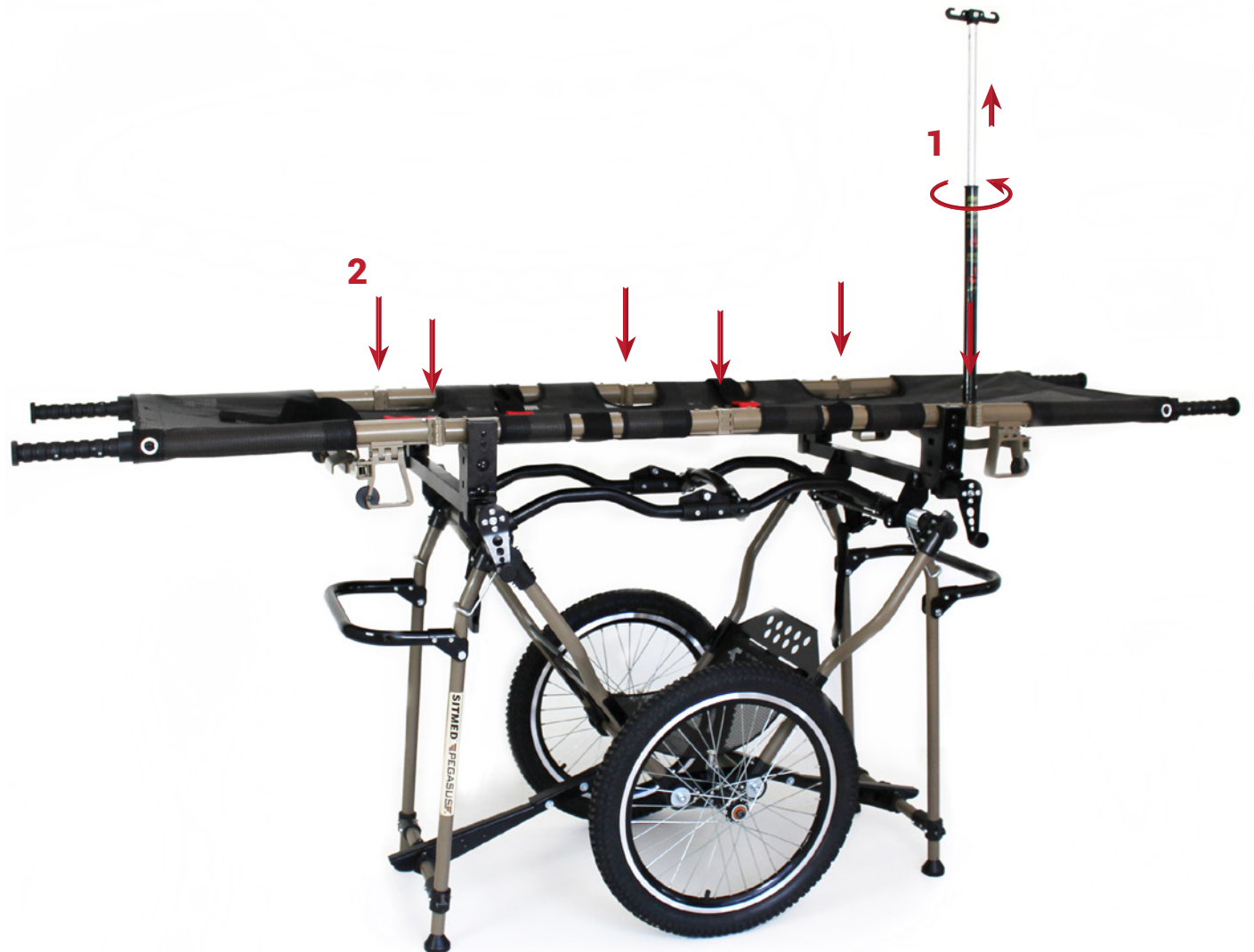
Quick height adjustment system.

Dual coupler for serum and blood bags.

5kg load capacity (2,5kg each couple)

### Usage Mode

- 1.** Turn the couple counter-clockwise to unlock the rod. Extend the rod. Turn clockwise to lock again.
- 2.** Use the lower pin to fix the IV Pole in the litter sides as shown in the indicative arrows.



# MITIS SUSPENDER

## SMS 930 - OPTIONAL

Multipurpose transport Suspenders, to use along with the Pandora III litter, providing more comfort and load distribution during transport.

Light and resistant.

**60Kg** load capacity.

Adjustable shoulder straps.

Allows the transport leaving your hands free for a faster and precise action.

Malleable and easy to storage.

Ergonomic and adapts to the user.

Lightweight material for better mobility.

### Usage Mode

- 1.** The rescuer should wear the suspender as a vest, using the front buckle to fasten it.
- 2.** The lower straps should be adjusted at the hands height.
- 3.** Crouched, the responder must suspend the litter handles inside the suspender lower straps.



# FLEXIBLE LITTER

## MFS 420 - OPTIONAL

Soft fabric litter, used in emergency situations, when a tactic and quick evacuation is necessary.

Washable fabric base, which allows fluids flow.

**150kg** Load Capacity.



# MILITARY BACKPACK

## MMS 450

Reinforced fabric Backpack, developed to transport and store Pandora III.

**Waterproof fabric** with protective zipper cover.

Adjustable waist strap.

Adjustable shoulder straps.

Front pocket (for accessory storage).

Back pocket (flexible litter storage).

90° opening angle, to facilitate placing and removing the litter.



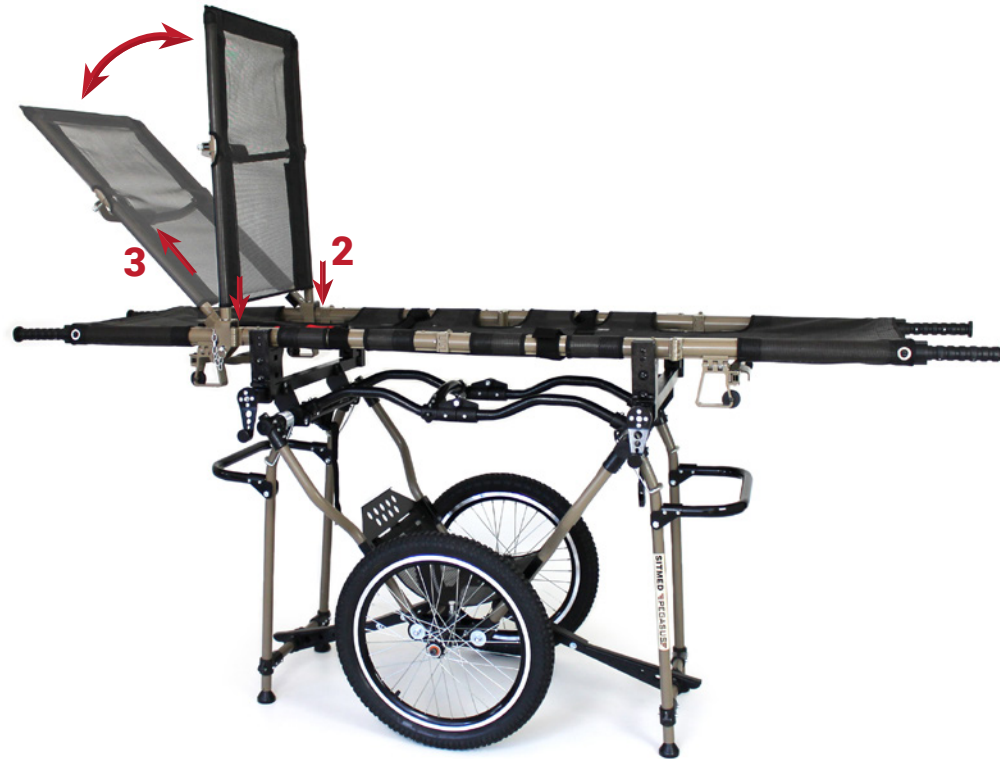
# ADJUSTABLE BACKREST

## EMS 430 - OPTIONAL

Removable backrest with adjustment to accommodate the victim in a sitting position (Fowler), adjustable at 45 or 90 degrees, with quick hitch for easy coupling.

### Usage Mode

1. Open the backrest.
  2. Attach the backrest in the sidebars of litter in the indicated location.
  3. Tighten the stabilizer bar behind the backrest.
  4. Use the pins to secure it on both sides.
- A.** When the pin is in the lower drill, the backrest stays in a 45° angle.
- B.** When the pin is the upper drill, the backrest stays in a 90° angle.





# PEGASUS CARRIER MTS 410



# PEGASUS CARRIER

## MTS 410

Multipurpose carrier that may be used along with the Pandora III Litter and with Meduse Spinal Board. Lightweight and of easy operation, provides strength and is highly compact.

Hard tubular aluminum structure.

**Unions in high tenacity polymers** (without welding).

20 rim wheels, highly resistant and durable.

Multi-folding system for storage and transport.

**Dual system slot** to use with the litter or the spinal board.

It can be used as a transport stretcher in camp or campaign hospital.

**Detachable wheel** for more transport convenience and storage space gain.

**200kg** load capacity.

Weight: **23kg**.

Shielded wheel hub.



# PEGASUS CARRIER

## MTS 410

### Technical Information

Material: **Aluminum**

Treatment: **Nylon**

Finishing: **PVC**

Cubage: **0,22**

Package Dimensions: **700 x 390 x 820**

Load Capacity: **200kg**

Gross Weight: **27kg**

Net Weight: **25kg**

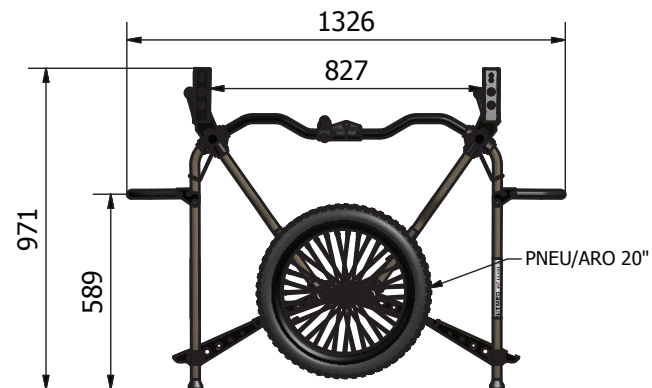
#### Closed Carrier Dimensions:

Width: **680mm**

Length: **400mm**

Height: **800mm**

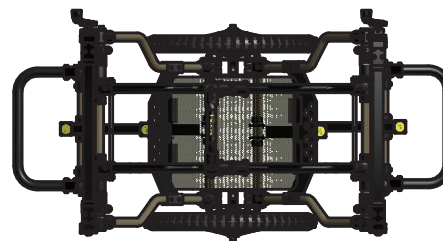
OPEN FRONTAL VIEW



OPEN LATERAL VIEW



OPEN SUPERIOR VIEW



OPEN 3D VIEW

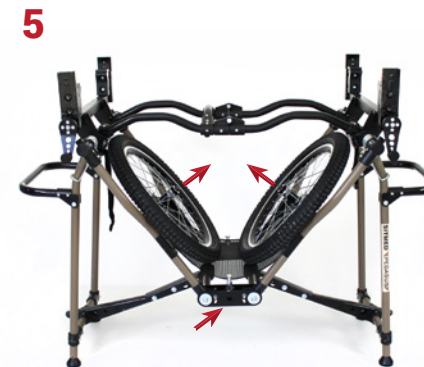
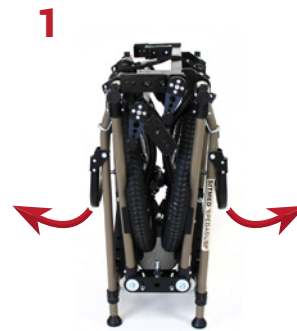


# PEGASUS CARRIER

## MTS 410

### Usage Mode

1. Extend the lateral support handles, pulling them above.
2. Support one hand on the handle and the other on top of the carrier. With one foot, bend the stabilizer bar in bottom of the carrier, intending it. Repeat the process on the other side. Thus, the carrier feet will be stabilized.
3. Release the buckle on top.
4. Positioned in one side of the carrier, support one hand on the lateral bar, and with the other pull up the central bar. Perform the movement with precision to stabilize the carrier, avoiding that the bar returns to its original position and avoiding to trap the hand in the center of carrier.
5. Disengage the wheels from the carrier interior and attach them at the lateral, using the pins in the carrier.
6. Make sure the stabilizer bars of the legs are tensioned before using the carrier.



# PEGASUS CARRIER

## MTS 410

### Disassembly

1. Pull up the wheel pins, removing the wheels from the set.
2. Store the wheels inside the carrier, fitting the axle pin in the perforated plate.
3. Positioned on the side of the carrier, support one hand in the sidebar and with the other push the central bar low.
4. The locking systems will be one over the other.
5. Fasten the buckle on the upper side.
6. With the foot loosen the stabilizer bar at the bottom of the carrier. Repeat the process on the other side.
7. Collect the side support handles.

1



2



3



4



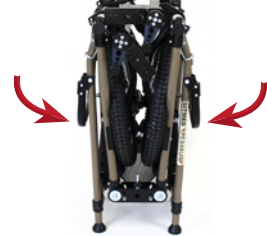
5



6



7

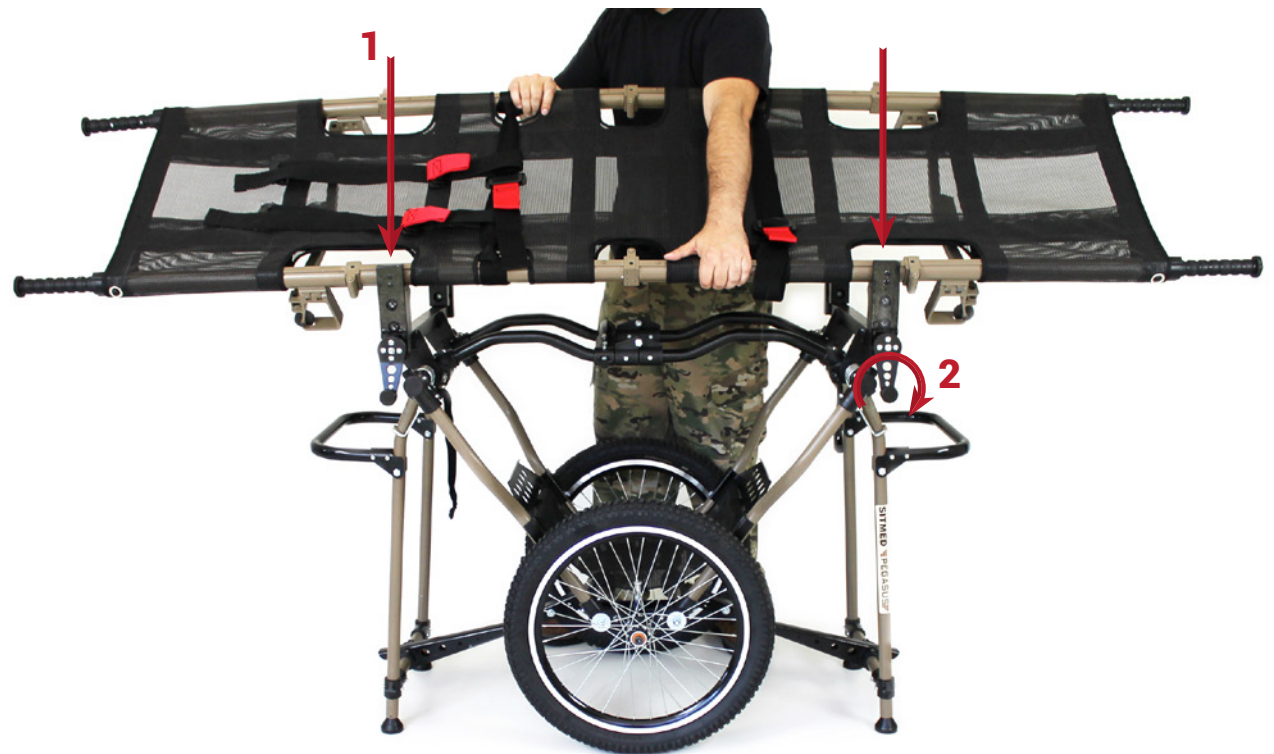


# PEGASUS CARRIER

## MTS 410

### Attaching the Litter to the Carrier

1. Center the litter over the carrier, positioning it on top of the locking system.
2. Attach it by turning the handles of the locking system clockwise. Check the point of attachment on the litter.

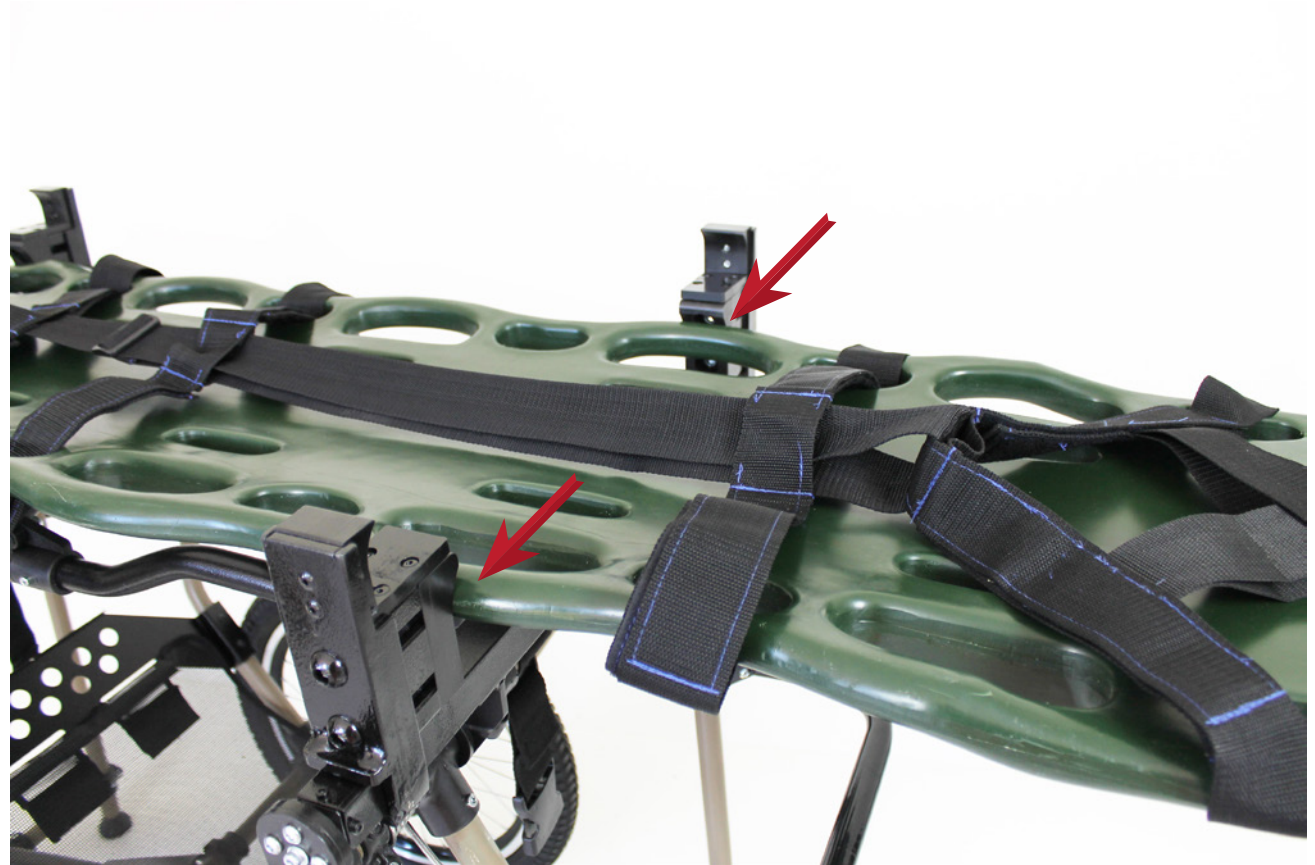


# PEGASUS CARRIER

## MTS 410

### Attaching the Spinal Board

Unlike the stretcher it's not necessary to centralize the board. For being attached, it must be placed in the lower locking system where the responder realizes that has enough space for the board to stand. Attach it by turning the handles of the locking system clockwise. Check the point of attachment on the spinal board.



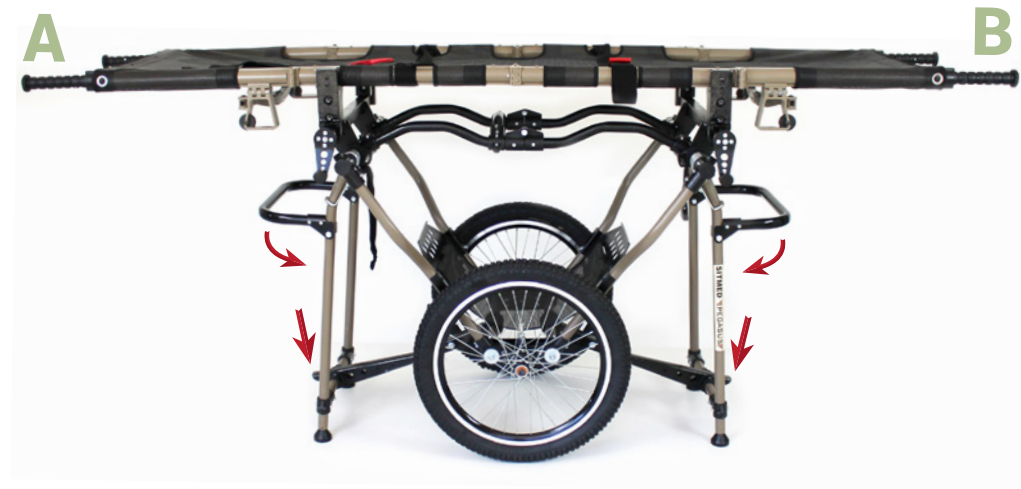
# PEGASUS CARRIER

## MTS 410

### Transport

Carriage must be performed by at least two or more responders in positions **A** and **B**.

1. Collect the support handles on the side.
2. Lift the patient holding the levers of the litter.
3. With the foot, unlock the stabilizer bar on the lower part of the carrier. The carrier feet will be raised enabling to perform the transport.
4. When the carrier is in use, the central base in which the wheels were stored can be used to transport supplies during the service.





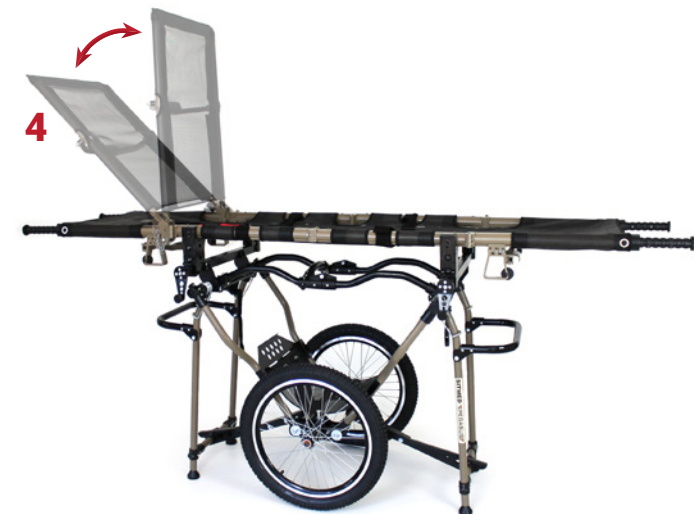
# PEGASUS CARRIER

## MTS 410

### Positioning

Carrier may keep the patient in different positions:

1. Surgical position: in which the patient is lying on belly up.
2. Trendelenburg position: With the patient lying on the litter, it's possible to lean the carrier, keeping the upper torso down, and feet elevated.
3. Reverse Trendelenburg position: With the patient lying on the litter, it's possible to lean the carrier with your feet, keeping the patient inclined with his head elevated.
4. Fowler or sitting position: Using the backrest the patient can be maintained seated.

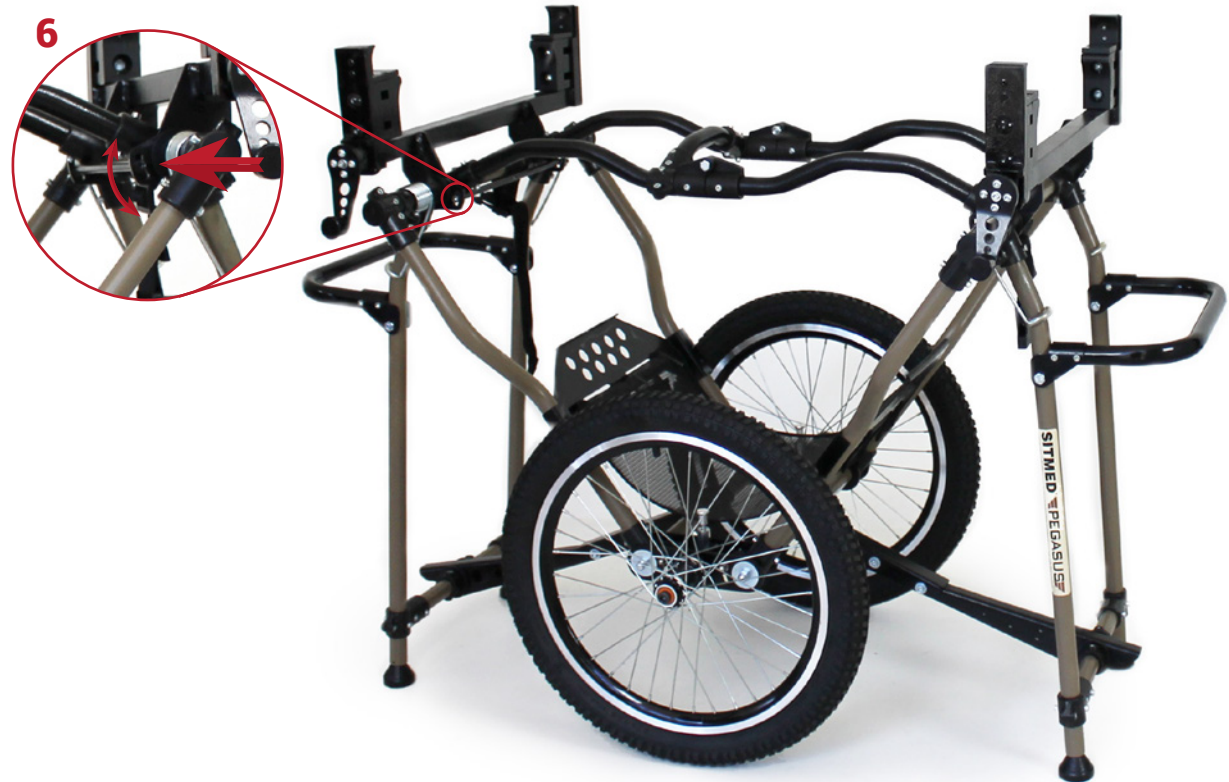


# PEGASUS CARRIER

## MTS 410

### Carrier Basic Maintenance

1. Periodically inspect the equipment to verify if the components of the structure has not loosened.
2. Periodically apply a lubricating oil in all moving parts of the equipment.
3. Verify calibration of the tires to be maintained at 60 psi.
4. Cleaning should be performed using nonabrasive cleaning products.
5. Carrier screws maintenance can be made using standard tools.
6. In case of unevenness of the fitting systems, use an Allen key to loosen the screws, adjust the correct position and lock again.



# HIBERNA CAMPAIGN BED MCS 440



# HIBERNA CAMPAIGN BED

## MCS 440

Compact, lightweight and rugged campaign bed. It has a perforated base that optimizes ventilation and an innovative stabilizer bar system for opening and closing.

Stabilizer bar for opening and closing of the campaign bed.

**Foldable structure**, that offers higher convenience in transport and storage space gain.

Perforated, washable and removable fabric, that allows the fluid flows and airflow.

Large and sturdy handles.

Easy to storage.

**220Kg** load capacity.

Accompanying bag for packaging and transport.

Aluminum structure with steel union fittings.

E-coat paint finish.

Opening with stabilizing bar (Sitmed exclusive) Easy to use, eliminating separate parts for bed mounting.



# HIBERNA CAMPAIGN BED

## MCS 440

### Technical Information

Material: **Aluminum**

Treatment: **PU**

Finishings: **PVC**

Cubage: **0,023**

Package Dimensions: **250 x 120 x 1020**

Load Capacity: **220kg**

Gross Weight: **9kg**

Net Weight: **7,6kg**

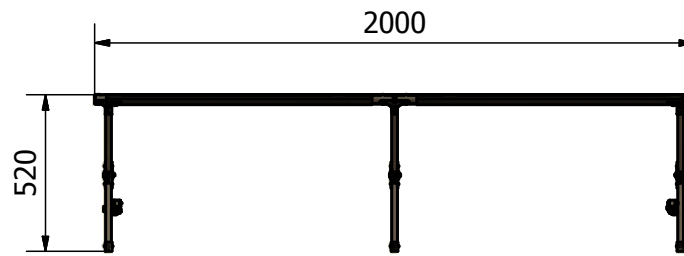
#### Closed Bed Dimensions:

Width: **2300mm**

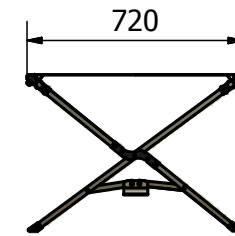
Length: **1000mm**

Height: **100mm**

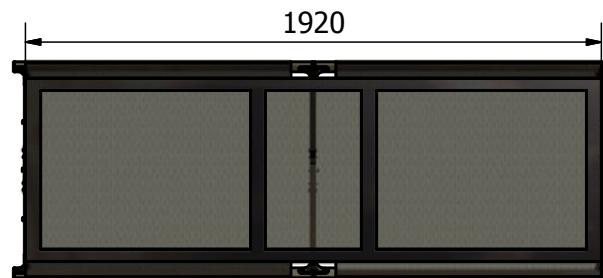
OPEN LATERAL VIEW



OPEN FRONTAL VIEW



OPEN SUPERIOR VIEW



OPEN 3D VIEW



# HIBERNA CAMPAIGN BED

## MCS 440

### Usage Mode

1. Open the bed laterally by its length.
2. Then open the two outer foot of the bed, already positioning them to be supported on the floor.
3. Holding the side bars of the bed, extend it by complete. Thus, the feet remain open and completely supported.
4. With your arms resting on the bed, step on the stabilizing bar to arm and lock the external feet.

### Disassembly

Unlock the external feet stepping on the roll bar and repeat the reverse process.





**SITMED**<sup>®</sup>  
NUMBER ONE IN LIFE TRANSPORT

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