

molift[®] **STRETCHER**



OPERATOR MANUAL

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Etac AS, Etac Supply Gjøvik

Hadelandsveien 2

2816 Gjøvik, Norway

Teleph: (+47) 40001004

Fax: (+47) 40001008

www.molift.com

molift@etac.com



Molift Stretcher has CE label according to the Council Directive 92/42/EEC for Medical Devices.


The Molift Stretcher is only ment to be used by qualified personnel.


Please read these operating instructions carefully before putting the product into operation. We assume no liability for damage or malfunctions resulting from failure to comply with the instructions.


All technical information, data and instructions for operation contained in these operating instructions were up-to-date at time of print and are compiled on the basis of our experience and to the best of our knowledge. We reserve the right to incorporate technical modifications within the scope of further development of the product described in this manual.

Molift Stretcher

Molift Stretcher is made of a light plastic composite material and steel locks. It is designed to be used in combination with a lifter to lift from bed or floor. It is also possible to be used in hospitals in combination with x-ray, CT-scanning.

 *The stretcher can only be used with a 4-point suspension with a fixed connection or with a complete free connection (the suspension swings freely). A suspension with fixed connection*

 *The stretcher is designed for indoor use and should not be exposed to direct sun over a longer period*

 *It is possible to use the stretcher without lifter and straps. Safety straps is recommended.*

Technical data

Weight: Total: 14,4 kg
One half: 7,2 kg

Measurements

1980x630x126 mm (LxWxD)

Material Plastic composite body and stainless steel locks

Safe Working Load
300 kg.

Molift Stretcher

2150103 Molift Stretcher excl. Lifting loops and safety belts

Lifting loops

- The stretcher is available with standard lifting straps or lifting straps with reels that automatically retracts the lifting straps when not in use. See illustration.




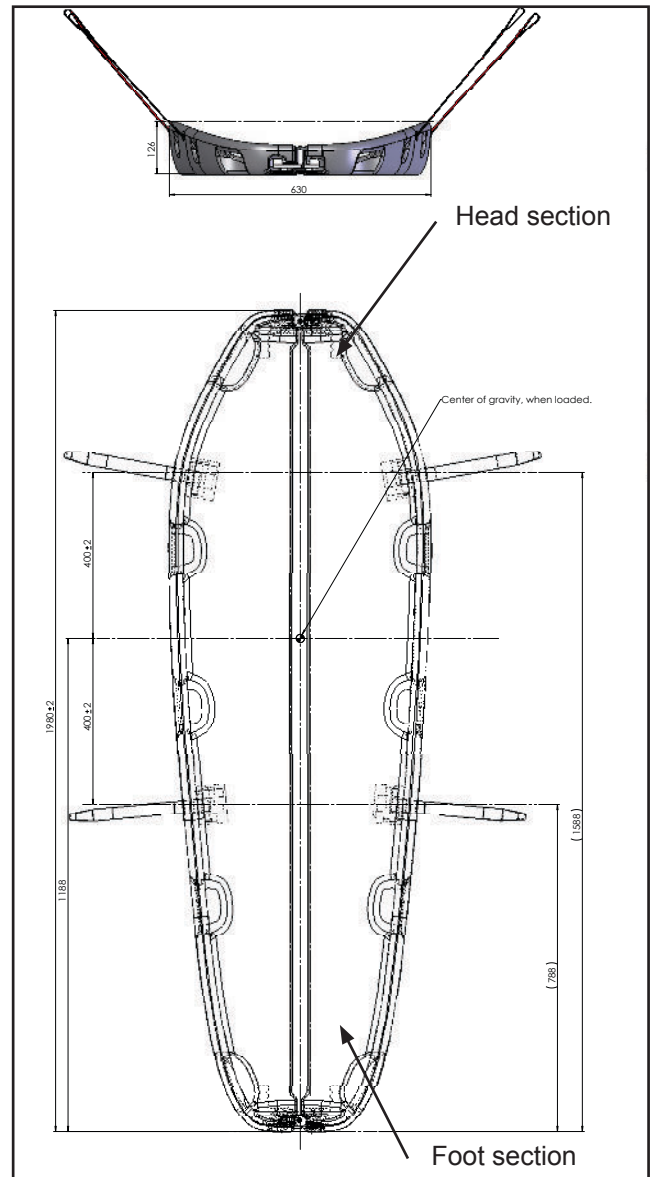
2150357 Set of lifting loops standard (4 pcs/stretcher)

2150356 Set of straps with auto strap collectors (4pcs/stretcher)

- Security straps might be ordered separately. Set of 3 straps for each side.

2150355 Set of safety belts (3 pcs/stretcher)

 *Use the straps to secure the patient. The straps will avoid the patient from sliding out of position.*



Using the stretcher



Lifting and moving patients always involves a certain degree of risk. Read the lift's user manual carefully! It is important to understand and be familiar with the equipment, and only trained personnel should use it. Show caution and care when you use the lift and its accessories. The need of safety straps should be considered. You, as a carer, are responsible for the safety of the patient.

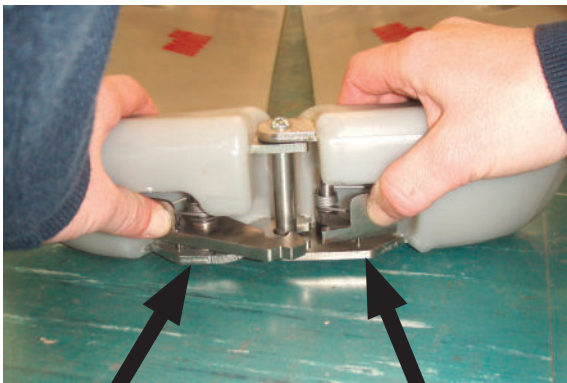
The stretcher is split in two parts. The locks in the top and bottom end is opened and closed as described below. Try to open and lock a couple of times before use the first time to learn how it works.



Do not tamper with the locks when stretcher is loaded. The locks are easier to operate when the stretcher is resting on a plane surface, this is also a safety precaution.

Opening the stretcher locks

Without load



Lock

Security lock

- Open the lock by pushing in the security lock and lock handles and then pull the stretcher apart.

With load on a soft surface



Lock

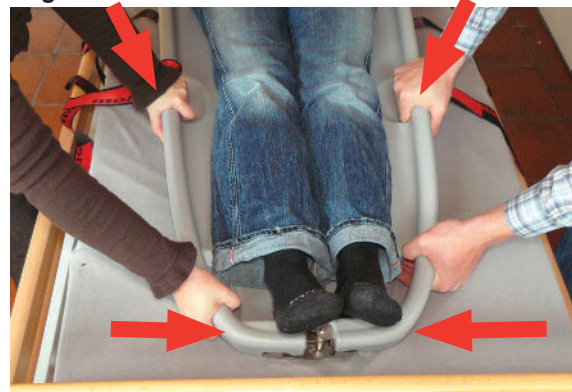
Security lock

- Push the stretcher down on one side (1) to unload the stretcher lock. Open the lock by pushing in the security lock and lock handles on both sides and pull the stretcher apart.



If the lock is hard to open, push the stretcher parts down on both sides in a way that makes the stretcher even and unloads the locking mechanism. It may help to turn the patient over on one side as well.

Closing the stretcher locks



- Push the stretcher part together until the lock clicks in place.



Make sure that the locks are secured in correct position.





If the lock is hard to close, push the stretcher parts down on both sides in a way that makes the stretcher even. It may help to turn the patient over on one side as well.


Check before use


- Check that there is no damage on stretcher or accessories.
- Check that lifting belt has no damage, torn or frayed.
- Check that the locks work properly and secure.


Lift and movement with Molift Stretcher


 Make sure that the patient always is stable and don't slide. Do not push or pull the stretcher when transferring with a lifter. Use safety straps when needed.

 Use a pillow under the head of the patient during the handling, for better protection against injury.

 Remember the correct working position to protect your back!


 If the stretcher is used in swimming pool, the stretchers buoyant force will change if water enters inside the stretcher.

 Molift recommends three carers when placing and operating the stretcher.

 The stretcher normally doesn't have to be removed before x-ray or CT-scanning.



Placing the stretcher in bed

 If possible, adjust the bed to a suitable working height, and lock the wheels on the bed.

- If possible, arrange to have access from both sides of the bed before you start the procedure.
- Split the stretcher in two parts as described above.

- Cross the opposite leg and arm of the patient over the other leg and arm to simplify the tilting of the patient to the side, as shown on picture.



- If possible, use the sheet to tilt the patient slightly to the side. If no sheet could be used, see page 8 for description of placing the stretcher.



- Place one part of the stretcher underneath the patient.



- Change the patients position with crossing the leg and arm to the opposite side.



- Then again, if possible, use the sheet to turn the patient to the other side.
- Place the other part of the stretcher under the patient, and push the two stretcher parts together.



- Secure the lock in the foot section first, then secure the lock in the head section. If the mattress is soft, it is necessary to push the stretcher parts down on the sides to make the stretcher horizontally even. This will simplify the engagement of the security lock and lock, Keep the patient turned to one side.



- Close the stretcher in the head section in the same way as in the foot section, by pushing the section parts down on the sides, and then together.



- Turn the patient on the back, and place the patient in a stable and comfortable lying position.



- If necessary, the patient shall be strapped to the stretcher with security straps, to ensure he/she does not move and slide out of position.



Lifting from bed with patient lifter

Example showing lift with Molift Partner 255

- Place the lifter over the patient as shown on the illustration.



- Attach the 4 lifting straps to the suspension.



Make sure that the two stretcher locks are properly secured and the 4 straps correctly attached on the suspension before lifting.



Note that a fixed suspension is more stable than a suspension hanging freely.

- Lift the user carefully so the stretcher is clear of the bed and move him or her. You do not have to lift high. Ensure that the patient is stable and do not slide. Do not push or pull the stretcher!



- Lower the user carefully down to desired surface. Make sure the user and stretcher are placed steadily. Take the loops off the hooks and remove the lift.

Removing the stretcher

- Unlock the stretcher in the foot section. Push the stretcher parts down (1) to unload the stretcher lock. The patient might also be turned to one side. Open the lock by pushing in the security lock and lock handle and pull the stretcher apart.



- Pull the two parts carefully from each other, to create a V-shape.



- Unlock the stretcher in head section: push down the stretcher parts and push the security lock and lock and the pull the stretcher parts apart.



- Remove carefully the two stretcher parts from the bed.



- Place the patient in a comfortable lying position.

Placing the stretcher with patient on floor

- Place the two stretcher parts in a V-shape around the patient.



- Secure the stretcher lock in foot section, and slide the V-shaped stretcher as close to the patient as possible
- If possible, cross the opposite leg and arm of the patient over the other leg and arm to simplify the tilting the patient to the side, as shown on picture.



- Tilt the patient slightly on the side and push carefully one part of the stretcher underneath the patient.
- Tilt the patient slightly on the opposite side, and push carefully the other part of the stretcher underneath the patient.



- Secure the lock in the head section.

Lifting from floor with Molift Partner 205/230/255

- Adjust the legs of the lifter to maximum width.
- Place the lifter in the head section of the stretcher, as close as possible.



- Attach the straps in the head section of the stretcher in a diagonal pattern on the 4-point suspension.



Alternatively, for lifters with **fixed** suspensions (Molift Partner 230/255), the straps can be attached on one side of the 4-point suspension. This will simplify the following procedure.



- Lift up the stretcher enough to turn the lifter 90° (with the lifter legs underneath the stretcher).

- Adjust the legs to minimum width.
- To balance the stretcher, pull it slightly backwards, then lower the stretcher carefully down on the legs of the lifter.



- Lower the user carefully down to desired surface. Make sure the user and stretcher are placed steadily. Take the loops off the hooks and remove the lift.
- Remove the stretcher as described on page 7.

- Remove the strap on the backmost hook of the suspension and attach it to the foremost hook. Attach the two lifting straps closest to the foot section on the backmost hooks, as shown on the illustration below.



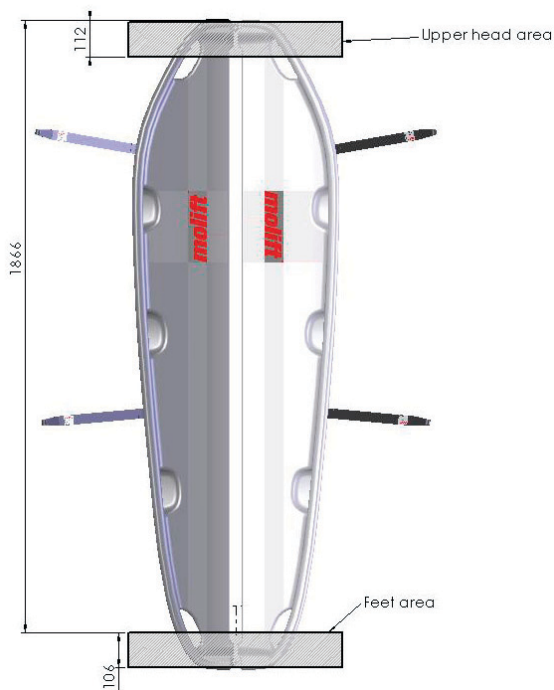
- Lift the patient from the floor. Make sure that the patient always is stable and don't slide. Do not push or pull the stretcher when transferring with a lifter.



X-ray and CT scanning

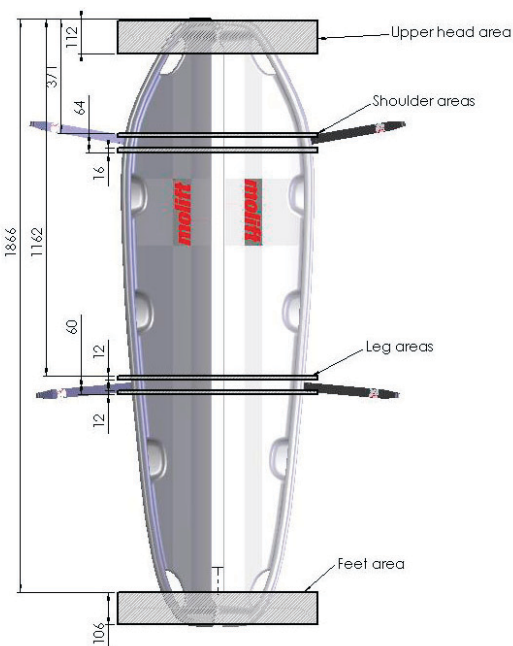
The stretcher is designed to give as little shadow as possible when used in x-ray or CT-scanning, and should normally not have to be removed for this. Consider the specific situation.

The illustration below shows the areas where the picture can be jammed when CT scanning a standard stretcher (Part 21500001)

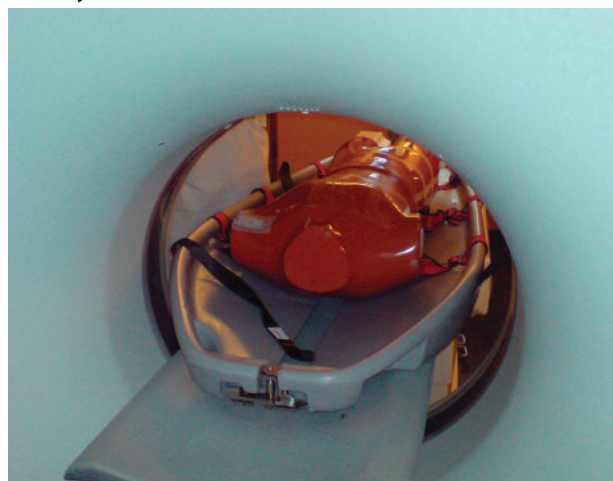


Standard Molift Stretcher has areas around the lock in head- and foot-section where shadows/disturbance may occur by CT-scanning.

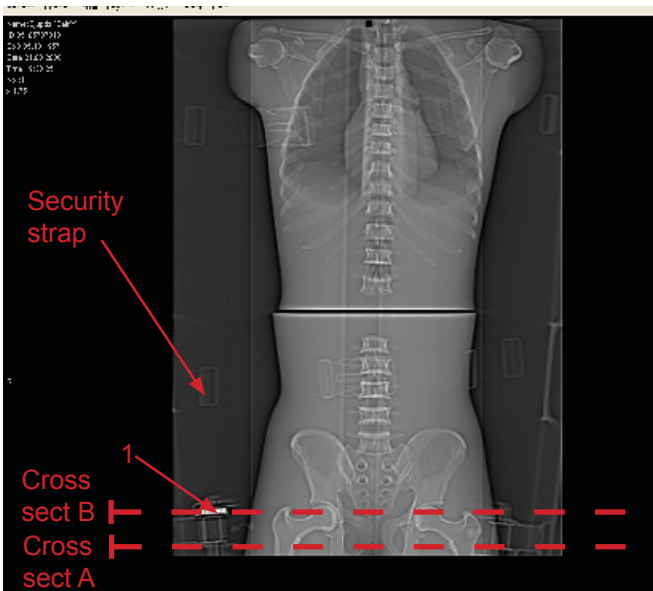
Molift Stretcher with reels (Art 2150010) will in addition have jamming in the areas where the reels with spring is placed. This is in the shoulder area and leg area as shown on next illustration.



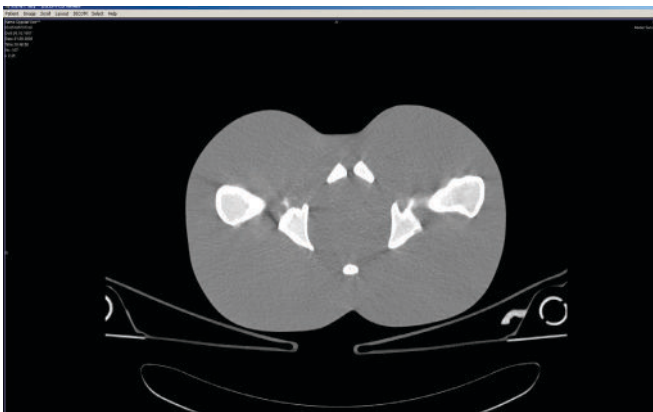
The following pictures is examples from CT-scanning of a dummy on Molift Stretcher.



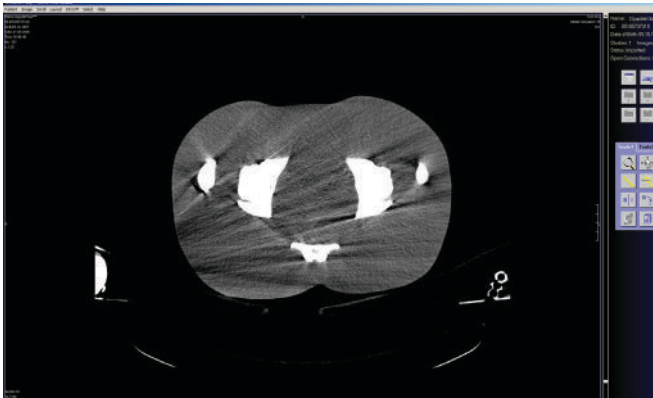
Molift Stretcher with a test dummy in a CT-scanner. One security strap is used



Picture from CT scanning of the dummy on Molift Stretcher. The stretcher outline is only just visible, including the reels in leg area. The left reel is mounted with a spring (1).




Cross section A



Cross section B

The cross-section pictures are from the leg area with lifting straps and reels. Cross-section B shows how the spring on the reel affects the scanning by making stripes on the picture.

 Scanning with X-ray might also have disturbance/shadows in the same areas because of metal in the locks and reels.

Cleaning instructions

- The Molift Stretcher can be washed with normal household detergents and disinfected with normal disinfectants on a cloth.
- The stretcher can be washed in hospital washing machines at 80°C in short term washing. The stretcher must be cooled down to normal room temperature (max 30°C) before use.
- Careful high pressure cleaning is possible (100 bar).



Remember to remove the straps before washing in washing machine or with high pressure.

The stretcher has a hollow structure, and we recommend to check that no water is trapped inside the stretcher after washing.

Maintenance

Molift recommends annual inspection of the stretcher:

- Check that there is no damage on stretcher or accessories.
- Check that lifting straps has no damage, torn or frayed. Damaged lifting straps must be replaced, contact your dealer or Molift.
- Check that the locks works properly and secure, with no loose parts.
- Check that there is no water trapped inside the stretcher.

Max user weight (SWL) is 300 kg for Molift Stretcher

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by Etac