



Rescue Cushion 16 M

Contents

1	Safety instructions and warnings	3
2	Description of Rescue Cushion 16 M	4-5
	2.1 General	
	2.2 Specifications	
3	Handling	6-8
	3.1 Set up	
	3.2 Instructions	
	3.3 Packing	
4	Maintenance and storage	9
	4.1 After use but without a rescue jump or after training	
	4.2 After use with a rescue jump	
	4.3 Annual check	
	4.4 Cleaning	
	4.5 Storage	
	4.6 Documentation	

Rescue Cushion 16 M

1 Safety instructions and warnings

Safety symbols used in this manual



Warning! Is a warning sign indicating that physical or material damage may occur if the instructions are not followed.

- Read the instructions carefully before using the rescue cushion.
- The packed rescue cushion weighs 45 kg and must always be carried by several persons also in fully inflated state.
- It is only allowed to use the rescue cushion for emergency purposes. It is strictly forbidden to use the rescue cushion for practice or entertainment.
- Only use the rescue cushion when other means of rescue are not possible.
- Never throw or drag the rescue cushion or the bag.
- Always lift the rescue cushion when moving it in place.
- Do not place the rescue cushion on sharp or burning objects.

Losberger is not responsible for the consequences if instructions with regard to the use of the product are not followed. Accessories may only be fitted on or in the shelter if explicitly authorized by Losberger. The inspection book must always be kept up to date and has to be carried along with the product at all times, also when in use.

Rescue Cushion 16 M

2 Description of Rescue Cushion 16 M

2.1 General

This rescue cushion can be a life-saving equipment however, when used improperly severe injuries may occur.

The rescue cushion is an inflatable jumping device for rescuing falling/jumping people from buildings of up to 16 meters in height.

It consists of an inflatable cubic frame. The frame is covered with a high tensile fabric. The structure can be inflated with the help of a BA cylinder.

When opening the air cylinder the beams of the frame will be filled with air and the cubic structure will automatically unroll and set up. The jumping area on the top is white. The sides and bottom are orange. On every corner a handle is attached to move the cushion easily.

When a falling person/object is hitting the middle of the cushion, the construction will deform and the air contained in the cushion will escape through the holes at the sides. This way the kinetic energy of the person/object will be absorbed.

It is very important that the person/object is hitting the jumping area of the cushion. The maximum shock absorption is achieved when the falling person/object hits the center; falling on the sides may cause serious injuries.

After the rescued person has been evacuated from the cushion, it will automatically erect itself and can be used again for rescuing additional persons.

At least two persons are necessary for the proper handling of the cushion.

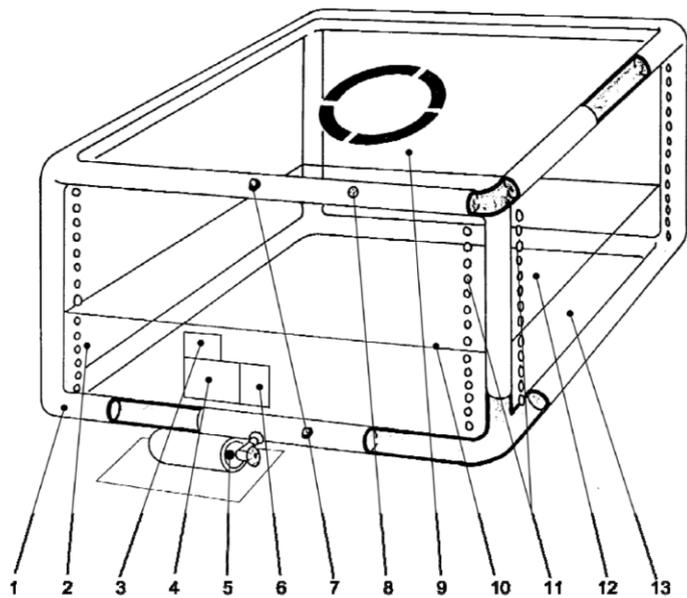
The outer fabric is fire retardant and will not ignite because of fire sparks.

The operating temperature is between -26°C and +50°C.

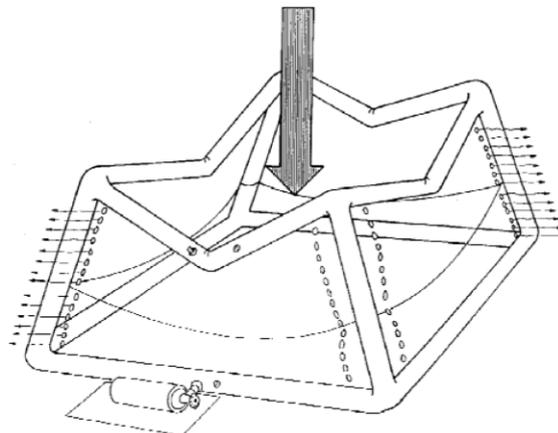
Rescue Cushion 16 M

2.2 Specifications

Type:	Rescue Cushion 160
Art.-no.	CUS160
Personnel needed	2 min.
Dimensions	3,40 x 3,40 x 1,65 m
Size packed	0,85 x 0,60 x 0,35 cm
Weight incl. BA cylinder	45 kg
Operating pressure	0,50 bar
Set up time	ca. 30 seconds
Minimum interval time between two jumps	30 seconds
Max. rescue height ca.	16 m
System	LORSBACH



- 1 Inflatable frame
- 2 Side
- 3 Documentation pocket
- 4 Serial number with safety instructions
- 5 BA cylinder pocket
- 6 Inspection report
- 7 Relief valve
- 8 Pressure release valve
- 9 Rescue surface
- 10 Inner middle surface
- 11 Jumping relief valves
- 12 Top air chamber
- 13 Bottom air chamber



Rescue Cushion 16 M

3 Handling

3.1 Set up

Check if the PVC cap on the opening valve is attached with a breaking cord to the BA cylinder. This is to ensure that the BA cylinder is fully filled with 300 bar.

Carry the bag to the area where you want to inflate the rescue cushion. You need at least 4 m x 4 m of openly accessible space. The BA cylinder must be at the edge of the area. Make sure this is not the place where people are to be rescued to avoid people jumping before the cushion is fully inflated.



Warning! Open the fasteners of the packing bag, take off the PVC cap of the BA cylinder and open the valve on the BA cylinder by turning it.

The rescue cushion will unroll itself and fully erect.

After air is escaping from the overpressure relief valve the inflation valve on the BA cylinder can be closed.

The rescue cushion is now ready for use and can be carried (min. 2 persons) to the area where people need to be rescued.

3.2 Instructions

When using the rescue cushion, an outside temperature between -26 °C and +50 °C must be ensured. The rescue cushion is to be placed straight under the people to be rescued, so an upright jump can take place.

It is not necessary that the surface is totally flat as the rescue cushion can be placed over small soft-edged obstacles.

It is important to know that the people to be rescued should fall in the centre of the rescue cushion. Only then their jump will be absorbed properly.



Warning! Jump one by one!

Once the beams are inflated it is not necessary to reinflate the frame as long as the rescue cushion is standing straight up. Also after a rescue jump it is not necessary to reinflate as long as the rescue cushion fully erects itself.

After each jump it must be checked that the rescue cushion is still placed straight under the people to be rescued.

Rescue Cushion 16 M

3.3 Packing

Carry the rescue cushion away from the rescuing area to a clean area. It might be necessary to use a tarpaulin on the ground.

Has the rescue cushion not been used, check if it is clean and wipe off dust and sand from the bottom. Then it can be packed again.

Open the relief valves and push the air out of the beams. Follow the packing instructions carefully.

During packing, the relief valves must stay open.

Lay the top beams on to the bottom beams and the side covers in between the top and bottom cover as straight as possible to the middle (pic. 1).

Fold the two sides to the middle where the BA cylinder is attached (pic. 2).



Pic. 1



Pic. 2

Rescue Cushion 16 M

Fold the right side again over the other side. The width should be approx. 80 cm (pic. 3).

Tightly roll the rescue cushion to the BA cylinder side (pic. 4).

Close the relief valves, place the two caps on the relief valves.



Pic. 3



Pic. 4

Place the packing bag on the ground and carry the rescue cushion on to the middle of the packing bag. Make sure the BA cylinder symbol is at the BA cylinder side (pic. 5).

Close the packing bag. Make sure the PVC cap is on top of the bag (to indicate the BA cylinder is not inflated and therefore the rescue cushion is not operational) (pic. 6).



Pic. 5



Pic. 6

At the station immediately refill the BA cylinder.

Reinstall the cylinder in the pocket and put the PVC cap over the opening valve. Attach the cord from the PVC cap to the cylinder. It must be impossible to open the cylinder without breaking this cord.

Rescue Cushion 16 M

4 Maintenance and storage

4.1 After use but without a rescue jump or after training

Check the rescue cushion for holes then wipe dust and sand away and be sure the rescue cushion is dry before packing. Refill the air bottle before packing it together with the Rescue Cushion.

4.2 After use with a rescue jump

The rescue cushion and the BA cylinder must be checked by an authorized institute. Inspection to be recorded in the inspection report.

4.3 Annual check

The rescue cushion must be checked annually by an authorized institute and this must be recorded in the inspection report.

4.4 Cleaning

To clean the rescue cushion only use warm (max. 40 °C) water with a regular neutral detergent. The use of high-pressure cleaners or steam blasters is not permitted. Before packing the cushion, it must be fully dried.

4.5 Storage

Always keep the rescue cushion in a dry area at temperatures between -26 °C and +50 °C. The BA cylinder must be on top.



Warning! Repairs must be carried out by an authorized institute.

4.6 Documentation

Every training, check, repair and every use must be documented in the documentation report. Annual inspections, repairs and inspection after a rescue jump must be separately documented in the inspection report.