



# DX 040

## Rescue stretchers

### INSTRUCTION MANUAL



#### INFORMATION LABEL ON THE PRODUCT:

Reference no.: DX 040	Manufacturer reference number
Cloth: Cotton	Type of cloth used for sheathing: Cotton / Cordura
Serial number: 000000000	Serial number of the stretcher
Mfg date: mm yyyy	Date of manufacturing

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#### 1. GENERAL INFORMATION

The following instruction manual includes only basic information concerning proper and safe use of the rescue stretcher. The instructions shall not be treated as training material nor a rescue procedure. Every user of the rescue stretcher should get acquainted with these instructions. Every user should get to know the structure of the stretcher and should be trained in the use of this device in the conditions of simulated rescue actions. These instructions shall be provided with each set of the stretchers and shall be available to all users, to ensure access to information.

The manufacturer declares that the DX 040 series stretchers were tested in accordance with the Directive 93/42/EEC and were assigned full conformity as a medical product of class I, principle I.

To prove conformity with the a/m directive the stretchers are designated with the CE mark.

#### 2. INFORMATION ON HAZARDS

The following instruction manual includes information concerning possible hazards resulting from careless or incompetent use of the stretchers. This information was highlighted to draw particular attention of the user and to eliminate potential risk.

#### 3. INFORMATION ON STRETCHERS OPERATORS

The persons who are using the DX 040 stretcher during a rescue action should have knowledge on handling and transportation of injured persons and should be familiar with these instructions and the stretchers itself. These persons should also be trained in the use of the basket in simulated conditions of rescue actions.

NOTE! The use of the stretchers by incompetent persons may be associated with the risk of additionally hurting the injured and the rescuers.

NOTE! If the stretchers is intended for vertical transport of the injured, the rescue staff should be additionally trained to this effect.

#### 4. INFORMATION ON THE STRETCHER AND STANDARD EQUIPMENT

##### 4.1 Stretcher:

- length: 195 cm (90cm folded)
- width: 40 cm
- height: 10 cm (15cm folded)
- weight: 4 kg
- max. load: 300 kg
- scope of temperatures: -30 to +50 °C



##### 4.2 Securing belts:

- max. load: 300 kg

##### 4.3 Materials used in the product:

- frame: aluminium and galvanized steel
- coating: Cordura/cotton fabric; polyester webbings

NOTE! The manufacturer claims the right to change the specification of the device.

## 5. SECURING BELTS

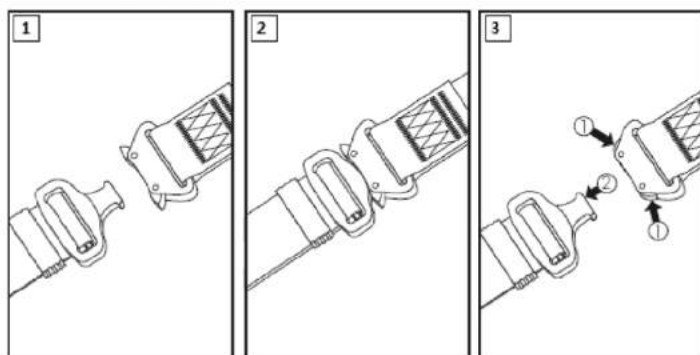
The standard equipment of the stretcher comprises four belts securing the injured against falling out of the basket. These belts are only designed to stabilize and position the injured. The belts shall not in any case be used as slings for transportation of the stretch.

### 6. FASTENING AND UNFASTENING OF THE SECURING BELTS

The set comprises four belts. Each belt consists of two parts and is to be connected using the automatic buckle

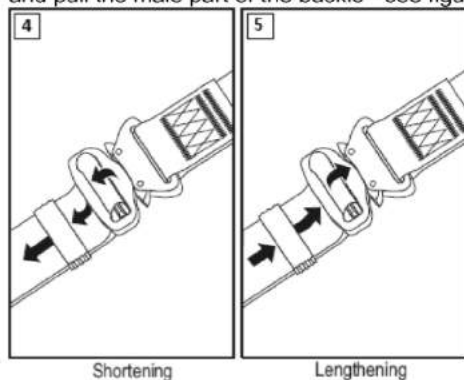
- belt fastening:

- place both parts of the belt opposite to each other - see figure #1
- push the male part of the buckle into the female part - a greencolor appears in the control window if the buckle is properly fastened - see figure #2
- shortening of the belt is done by pulling the webbing from the buckle - shortening of the belt is shown in figure #4



- belts loosening and unfastening

- in order to loosen the belts pull the belt loosening webbing towards the buckle till the moment the suitable length of belts is achieved
- in order to open the buckle simultaneously push two tongues on the female part of the buckle and pull the male part of the buckle - see figure #3



**NOTE!** Care should be taken to properly fasten all belts.

## 7. STRECHER USE

Prior to the use of the stretcher:

- read these instructions carefully
- visually inspect the condition of the frame, sheathing, the securing belts and slings

General recommendations on the use of the stretcher:

- a minimum of two trained persons are required for the stretcher handling (in some cases assistance of third persons may be necessary)
- when using the stretcher, follow the rescue action procedures
- during rescue actions one person should be in continuous contact with the injured
- use the standard securing belts provided with the stretcher to position the injured and to protect him against falling out.

Transport of the stretcher:

Transport of the stretcher requires the cooperation of at least two persons. It is necessary to ensure even distribution of weight on the attachment points. If more than two persons transport the stretcher, close cooperation and coordination of their actions during transport is necessary.

Vertical transport of the stretcher:

Vertical transport of the stretcher needs the use of additional equipment. Suitable training and skills are required to ensure safety during this type of transport. Particular attention should be paid to the maximum admissible load on each of the elements. In every case the injured must be fully protected against slipping from the stretcher. In vertical transport the stretcher is suspended with integrated webbing straps terminated with the D-ring buckles. In the case where standard lifting slings are used, the snap hooks of such shall be attached in the opening shown in the picture below.



## 8. ADDITIONAL RECOMMENDATIONS FOR THE STRECHER OPERATION

- checking the actual state of equipment: visual inspection after every use
- disinfection: when required
- cleaning: when required or minimum once a month
- the stretcher life is endless, provided the reviews are carried. Both frame elements and sheathing can be replaced **ONLY** by original parts supplied by the manufacturer.

## 9. STRECHER MAINTENANCE

The stretcher are rescue devices which require regular servicing and maintenance in a ready-for-use condition in case of emergency. The minimum maintenance operations for stretcher are listed below. In the case of intensive use the frequency of servicing should be increased.

Sheathing and belt disinfection and cleaning:

- a) dismantle the cloth with the belts from the frame and wash in warm water without bleach
- b) the cloth with the belts should be dried hung out, do not use any drier
- c) fix the sheathing again and screw back the M10 screws

Frame disinfection and cleaning:

The whole frame and grid should be e.g. sprayed with disinfectant in accordance with the manufacturer's instructions. Noticeable stains would be removed with the use of "mild" detergents. During washing a detailed review of the frame should be done in terms of mechanical damage.

### CHECKING OF THE STRECHER:

- check the belts webbing - cuts, burns, local discolouring (chemical damage) or other damage is unacceptable.
- check the condition of connections components in terms of cracks and material defects
- all elements of the frame should be free from cracks
- the cloth should be free from cuts and should be properly fixed to the frame
- securing belts buckles should operate smoothly, be free from abrasion and signs of wear

Should any doubts arise as to the condition of the equipment it should be withdrawn from use and the manufacturer or an authorized representative should be contacted to clear those doubts.

## 10. STRECHER STORAGE

The stretcher should be stored in a dry conditions, not exposed to direct sunlight.

**NOTE!** Improper maintenance or storage may affect the state of repair of stretcher and directly influence the safety of the injured and the staff participating in the rescue action.

**NOTE!** Do not clean nor disinfect the belts with the use of cleaning agents containing bleachers, phenols or iodine. These substances may damage the belts webbing.

# THE EQUIPMENT IDENTITY CARD

Entries in the equipment identity card are the responsibility of the work place in which the equipment is used. The equipment identity card should be filled in prior to the first release of the equipment for use. All information about the protective equipment (name, serial number, date of purchase and commissioning, name of the user, information about repairs and inspections and withdrawal from use) must be entered into the given equipment identity card. The card is to be filled in by the person who is responsible in the facility for protective equipment. It is forbidden to use personal protective equipment without a completed equipment identity card.

Device name	Rescue basket stretchers	Ref no.	DX .....
Serial no.		Date of production	

User's name	
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Date of purchase		Date of commissioning	
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### TECHNICAL INSPECTIONS

No	Date of inspection	Causes for running inspection or repair	Recorded damages, completed repairs, other remarks	Date of next inspection	Signature of responsible person