

DX030 DX 031 DX 032 DX033 Rescue basket stretchers

INSTRUCTION MANUAL



PROTEKT®

PROTEKT, 93-403 LODZ, ul. Starorudzka 9, POLAND,
TEL: (48 42) 680 20 83, FAX: (48 42) 680 20 93, www.protekt.com.pl

1. GENERAL INFORMATION

The following instruction manual includes only basic information concerning proper and safe use of the rescue basket stretcher. The instructions shall not be treated as training material nor a rescue procedure. Every user of the rescue basket 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 03x 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

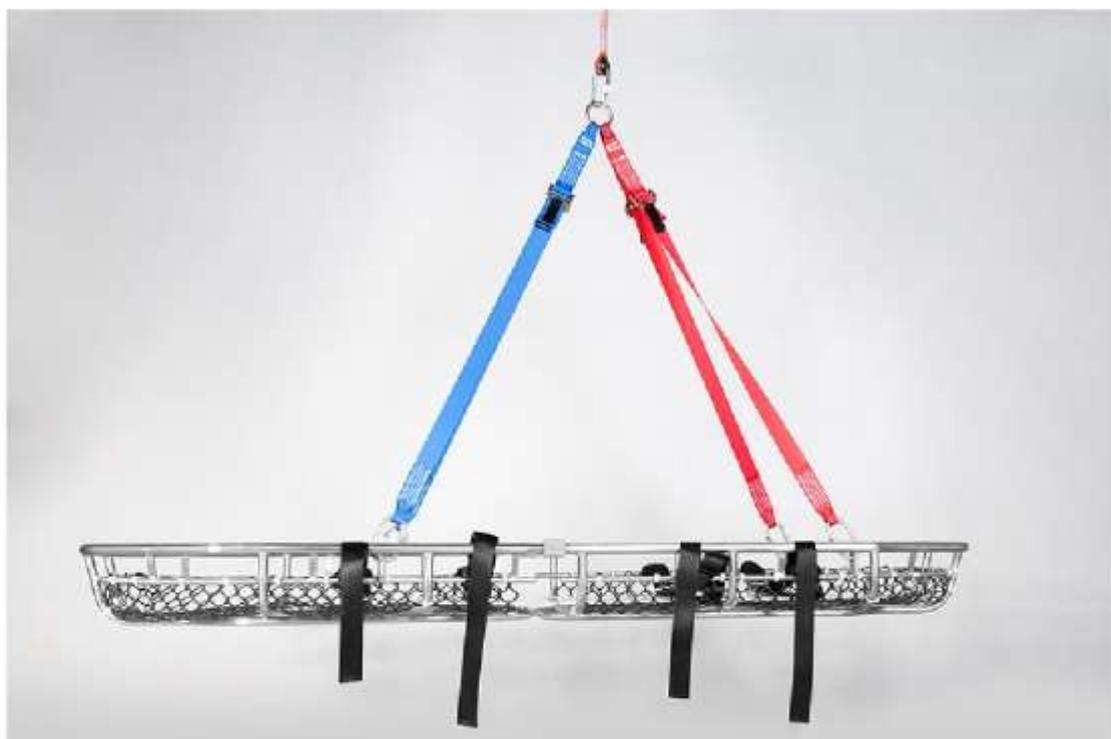
The following instruction manual includes information concerning possible hazards resulting from careless or incompetent use of the basket. This information was highlighted to draw particular attention of the user and to eliminate potential risk.

3. INFORMATION ON BASKET OPERATORS

The persons who are using the DX 03x stretcher during a rescue action should have knowledge on handling and transportation of injured persons and should be familiar with these instructions and the basket itself. These persons should also be trained in the use of the basket in simulated conditions of rescue actions.

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

NOTE! If the basket 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: 210 cm
- width: 58 cm
- height: 18 cm
- max. weight: 15 kg
- max. load: 1000 kg

4.2 Securing belts:

- max. load: 450 kg

4.3 Securing belt fasteners

- max. load: 1800 kg

4.4 Internal mesh

- material: PVC
- scope of temperatures: -30 to +50 °C



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. ASSEMBLY, FASTENING AND UNFASTENING OF THE SECURING BELTS



The set comprises four belts. Each belt consists of two parts.

- belt fastening:

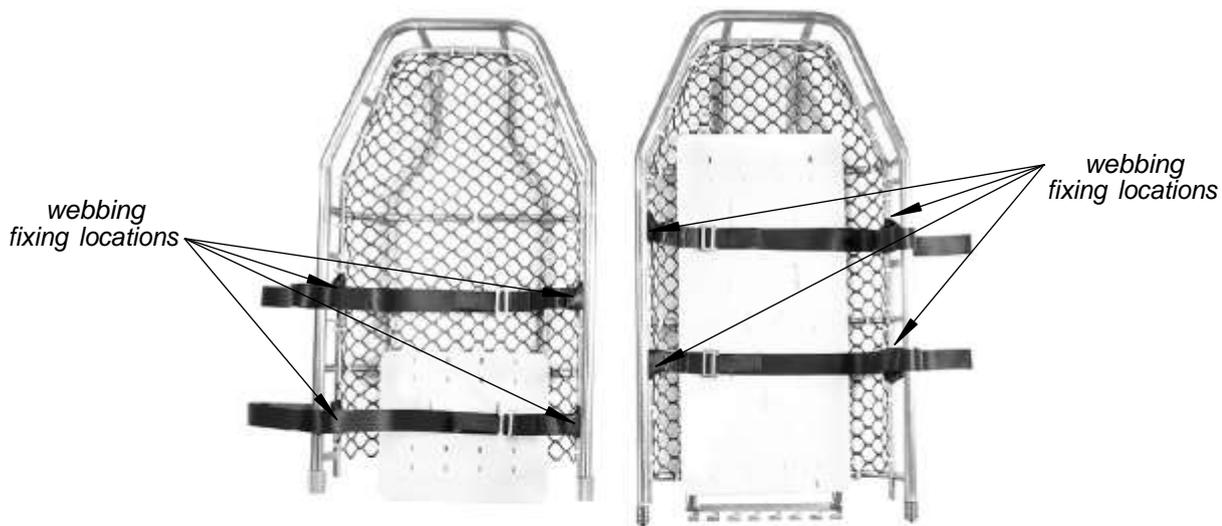
- a) place both parts of the belt opposite to each other so that the eyes for fixing to the frame of the basket are directed outwards, with both parts of the fastening in the center
- b) place the lug-ended part above the fastening and slip the fastening through the lug so that the loose end of the belt remains underneath
- c) pull the loose end of the belt slightly, to ensure tight adherence of the fastening to the lug and to obtain respective belt tension.

- belts loosening and unfastening

- a) in order to loosen the belts pull the belt loosening webbing towards the fastening (lug) till the moment the suitable length of belts is achieved
- b) in order to unfasten the belts loosen them by pulling the belt loosening webbing and then slip the fastening through the lug in reverse order to the belt fastening

- fixing the belts to the basket frame

The basket frame consists of pipes. Belts are fixed to the smaller lower one, running circumferentially below the main circumferential pipe. The belts are fixed at locations shown in the picture below.



- a) unfasten the belts so that each of the two parts is separate
- b) slip the belt eye under the smaller pipe towards the center of the basket
- c) place the other end of the belt around the pipe and slip it through the eye, towards the center of the basket
- d) pull the belt tight around the small pipe
- e) repeat the above for the remaining belts

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

7. BASKET USE

Prior to the use of the basket:

- read these instructions carefully
- properly fix the securing belts
- visually inspect the condition of the basket, internal grid, the securing belts and slings

General recommendations on the use of the basket:

- a minimum of two trained persons are required for the basket handling (in some cases assistance of third persons may be necessary)
- when using the basket, 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 basket to position the injured in the basket and to protect him against falling out.

Transport of the basket:

Transport of the basket 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 basket, close cooperation and coordination of their actions during transport is necessary.

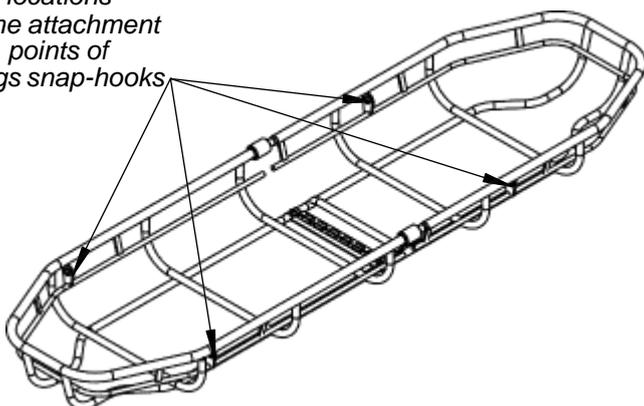
Pulling the basket on the surface:

The structure of the basket allows its pulling on the surface. Two bottom pipes are then used as skids. In order to avoid hurting the injured, the basket should not be pulled over uneven surfaces.

Vertical transport of the basket:

Vertical transport of the basket 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 out of the basket. In vertical transport the basket is suspended with the use of the top large circumferential pipe. 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.

*Locations
of the attachment
points of
slings snap-hooks*



8. ADDITIONAL RECOMMENDATIONS FOR THE BASKET OPERATION

- checking the actual state of equipment: visual inspection after every use
- disinfection: when required
- cleaning: when required or minimum once a month
- periodical review by the manufacturer or person authorized by the manufacturer: minimum once a year
- the basket life is endless, provided the annual reviews are carried out by the manufacturer or person authorized by the manufacturer (also valid for the guaranty period), the results of the periodical review should be entered into the "Equipment Identity Card" - see page 7.

9. BASKET MAINTENANCE

The baskets 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.

Belt disinfection and cleaning:

- a) dismantle the securing belts
- b) prior to disinfection fasten the two parts of belt together away from the stretcher
- c) put the fastened belts into a bag and wash in warm water without bleacher
- d) the belts should be dried hung out, do not use any drier
- e) fix the belts again as instructed

Basket disinfection and cleaning:

The whole basket 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. After washing the basket should be dried with the use of a towel. During washing a detailed review of the basket should be done in terms of mechanical damage.

Checking the state of repair:

- check the presence and condition of all components of the basket
- check the condition of connections between components in terms of cracks and material defects
- all elements of the basket should be free from cracks
- the grid should be free from cracks and should be properly fixed to the basket frame
- the back support should be stable and well fixed
- securing belts should be free from discoloration, abrasion and signs of wear
- belt fastenings should operate smoothly

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. BASKET STORAGE

The basket should be stored in a dry room. Prior to putting the basket into storage its state of repair should be checked, so that it is ready for use.

NOTE! Improper maintenance or storage may affect the state of repair of the basket and directly translate into 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 or the basket.

