



Ref: DX021

# Rescue stretcher DX021



The DX021 kit comprises:

1. Stretcher
2. Transport backpack with attachment points

## Construction

Material: PCV + PS+stainless steel

Load capacity: 500 kg

Working temperature range: -30/+50

The stretcher is made of extremely durable and flexible plastic, with dimensions 120x90 cm.

The plastic is characterised by resistance to: abrasion, discolourations resulting from contact with bodily fluids, and its surface has anti-bacterial properties and is UV-resistant. The material is resistant to disinfectants.

The whole kit is placed in a specially ergonomic transport backpack (2) facilitating its handling both in open areas and in tight gaps and cavities.

Stretcher DX021 has half the standard stretcher length and the same width. The device is composed of two straps for fastening of a patient in chest [A] area and two thigh straps installed in groin [B] area to prevent patient from slipping. Straps are equipped with automatic connecting buckles. Also the stretcher is equipped with two handles on its side surface [C] to improve transportation ergonomics in tight areas.

In the front part the device has a webbing [D] with plastic handle, interlaced through a special system of holes reinforced on their perimeters with stainless steel. The handle is designed for dragging the stretcher with the patient on.

The stretcher is intended for transportation of patients whose spine is immobilised with use of e.g. Kendrick Extrication Device (K.E.D.).

The stretcher is designed to be stored and transported in a rolled-up form (Fig. 2) packaged in special transport backpack [2]. The stretcher should be rolled along the shorter side. Once rolled up, before unfolding please secure it with special connecting strap [E]. When unfolding the stretcher lean it to the other side to straighten the material.



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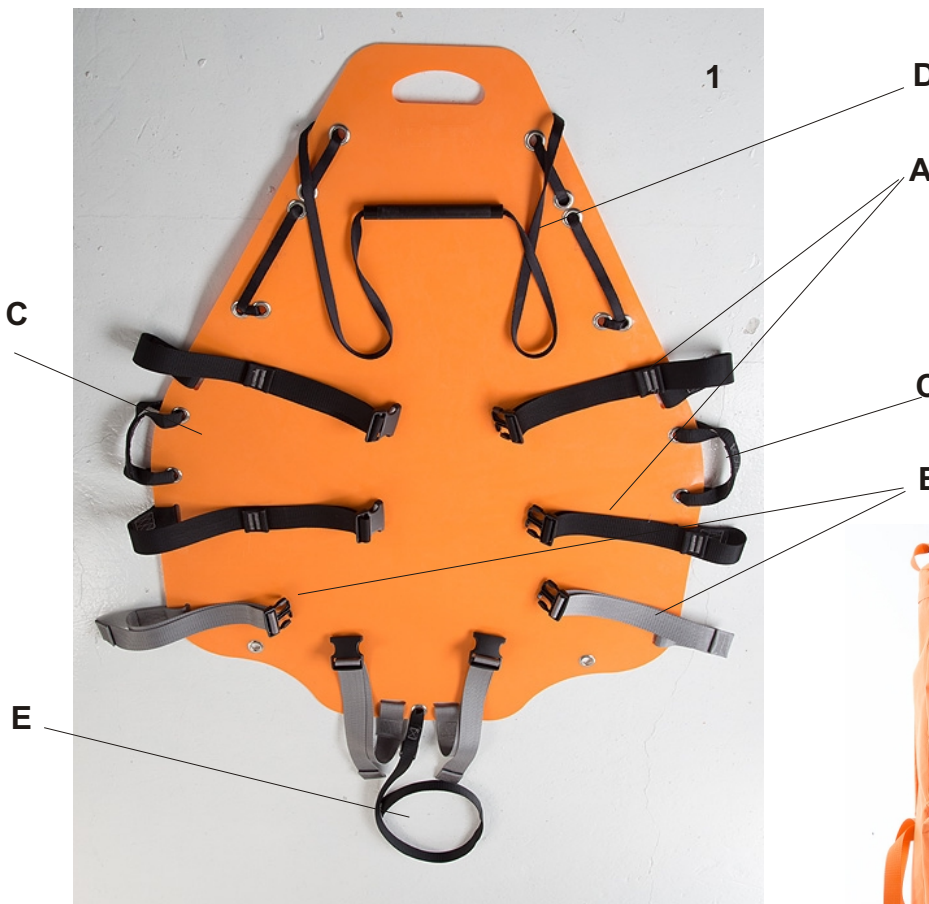


Fig. 1. Components of DX021 kit



Fig. 2. Method of stretcher storage



Proportions of the kit

## Patient positioning

If patient immobilisation devices are used, please follow the procedures in accordance with instructions provided by the manufacturer of these devices. After immobilisation a patient can be moved onto the stretcher in a variety of ways. Selection of the method should depend on environmental conditions and patient's injuries.

If access to a patient is not limited from the side of his/her head or legs, unfold the stretcher and place it above the head or below the legs, and then move the patient onto the stretcher.

If access from the side is possible only, turn the patient to one side, approach the stretcher and then position him/her in the middle, while making sure the body is not bent sideways.

If the patient is placed correctly in the middle and lower end of the stretcher is located at the bum height, move the stretcher so thigh straps in groin area can be connected. Next connect straps on the chest.

If patient is very low, the straps on the chest can be crossed to lower the point where straps run through the body to avoid abrasions in the neck area. Transportation of the secured patient through confined spaces may depend on environmental conditions. If necessary pick up the patient. Although transportation is difficult, it can be carried out in conditions where other method is not possible.

Stretcher DX021 is not intended for lifting people. To lift a patient to the vertical, if necessary, additionally put full body harness on patient and lift him/ her using attachment point on full body harness. Lifting to the vertical can be carried out only wherever there is imminent danger to life.

Stretcher DX021 is not designed for spine immobilisation.

Pay attention that patient's legs are not bent sideways.

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**General instructions:**

- the equipment should be used only by personnel trained in its use.
  - the equipment must not be used by personnel whose medical condition could affect their safety in daily and emergency use.
  - draw a rescue plan to be implemented whenever necessary.
  - it is forbidden to make any alterations or additions to the equipment without the manufacturer's prior written consent.
  - any repair shall only be carried out by the equipment manufacturer or his certified representative.
  - the equipment shall not be used for any purpose other than intended.
  - before each use make sure that all parts of the system cooperate correctly. Periodically examine connections and fitting of components of the equipment to prevent any accidental loosening or disconnection.
  - it is forbidden to use combinations of equipment where function of any one item is affected by, or interferes with the function of any other.
  - all parts of the equipment must conform to relevant regulations and instruction manuals for the equipment and standards in force.
  - before each use of the equipment, make sure to carry out a pre-use check to ensure that it is in a serviceable condition and operates correctly. The check should be carried out by user of the equipment.
  - in particular, inspect all accessible elements of the equipment for any damages, excessive wear, corrosion, abrasion, cutting or improper function. Pay special attention to:
    - buckles, regulating elements, attachment points (buckles), webbings, seams, belt loops, connectors,
  - at least once a year, after each 12 months of use, the equipment should be withdrawn from use to carry out periodic detailed inspection. Periodic inspection may be carried out by a person who is responsible for periodic inspections in an organisation and properly trained in this respect. Periodic inspections can be carried out also by the equipment manufacturer or his authorized representative, or an authorized company. Inspect in detail all accessible elements of the equipment paying attention to any damages, excessive wear, corrosion, abrasion, cutting or incorrect function (see the above item.)
  - In some cases, if the equipment has a complex design, periodic inspections may be carried out by the equipment manufacturer, or his authorized representative only. After the periodic inspection, date of the next inspection should be arranged.
  - regular periodic inspections are essential to ensure proper condition of the equipment and safety of users which is dependant on the equipment functionality and durability.
  - during periodic inspection it is necessary to check the legibility of all markings on the equipment (identity label of the device).
  - all information on the equipment (name, serial no., purchase date and date of first use, name of user, information on repairs and inspections and withdrawal from use) must be provided in the identity card of the device. It is the responsibility of the user organisation to provide the identity card and to fill in the required details. The identity card should be filled in by a person responsible for protective equipment in an organisation. It is forbidden to use the equipment if the identity card is not filled in.
  - if the product is re-sold outside the original country of destination the reseller must provide instructions for use, for maintenance, for periodic inspection and for repair in language of the country where the product is to be used.
  - the equipment must be withdrawn from use immediately if any doubts arise in regard of its condition, or proper operation. The device must not be used until the equipment manufacturer carries out the detailed inspection and gives his written consent to use the equipment again.
- when using the equipment pay particular attention to hazards and environmental factors which may affect the performance of the device, and in particular to:
- trailing or looping of device lanyard over sharp edges;
  - pendulum falls;
  - electrical energy;
  - any damages such as cuts, abrasions, corrosion;
  - extremes of temperature;
  - negative influence of weather conditions;
  - aggressive substances, chemicals, solvents, acids.
- The equipment must be transported in a package (e.g.: bag made of moisture-proof textile or foil bag or cases made of steel or plastic) to protect it against damage or moisture.
  - the equipment should be cleaned without causing adverse effect on the materials used in the manufacture of the equipment. For textile materials (webbings, ropes) use agents suitable for delicate fabrics. Can be washed in hands or in a washing machine. Rinse thoroughly. Wash textile products with water only. When the equipment becomes wet, either from being in use or after cleaning, allow it to dry naturally, and keep it away from sources of heat. In metallic products lubricate slightly some mechanical parts (springs, hinges, pawls, etc.) regularly to ensure their better operation.
  - the equipment should be stored loosely packed in well-ventilated rooms, protected from direct light, UV degradation, dust, sharp edges, extreme temperatures and aggressive chemical substances.

## IDENTITY CARD

IT IS THE RESPONSIBILITY OF THE USER ORGANISATION TO PROVIDE THE IDENTITY CARD AND TO FILL IN THE DETAILS REQUIRED. THE IDENTITY CARD SHOULD BE FILLED IN BEFORE THE FIRST USE BY A COMPETENT PERSON, RESPONSIBLE IN THE USER ORGANIZATION FOR PROTECTIVE EQUIPMENT. ANY INFORMATION ABOUT THE EQUIPMENT LIKE PERIODIC INSPECTIONS, REPAIRS, REASONS OF EQUIPMENT'S WITHDRAWN FROM USE SHALL BE NOTED INTO THE IDENTITY CARD BY A COMPETENT PERSON. THE IDENTITY CARD SHOULD BE STORED DURING A WHOLE PERIOD OF EQUIPMENT UTILIZATION. DO NOT USE THE EQUIPMENT WITHOUT THE IDENTITY CARD. ALL RECORDS IN THE IDENTITY CARD CAN BE FILLED IN ONLY BY A COMPETENT PERSON.

MODEL AND TYPE OF EQUIPMENT	REF. NUMBER
SERIAL NUMBER	DATE OF MANUF.
USER NAME	
DATE OF PURCHASE	DATE OF PUTTING INTO OPERATION

### PERIODIC EXAMINATION AND REPAIR HISTORY

DATE	REASON FOR ENTRY PERIODIC INSPECTION OR REPAIR	DEFECTS NOTED, REPAIRS CARRIED OUT AND OTHER RELEVANT INFORMATIONS	NAME AND SIGNATURE OF COMPETENT PERSON	PERIODIC EXAMINATION NEXT DUE DATE