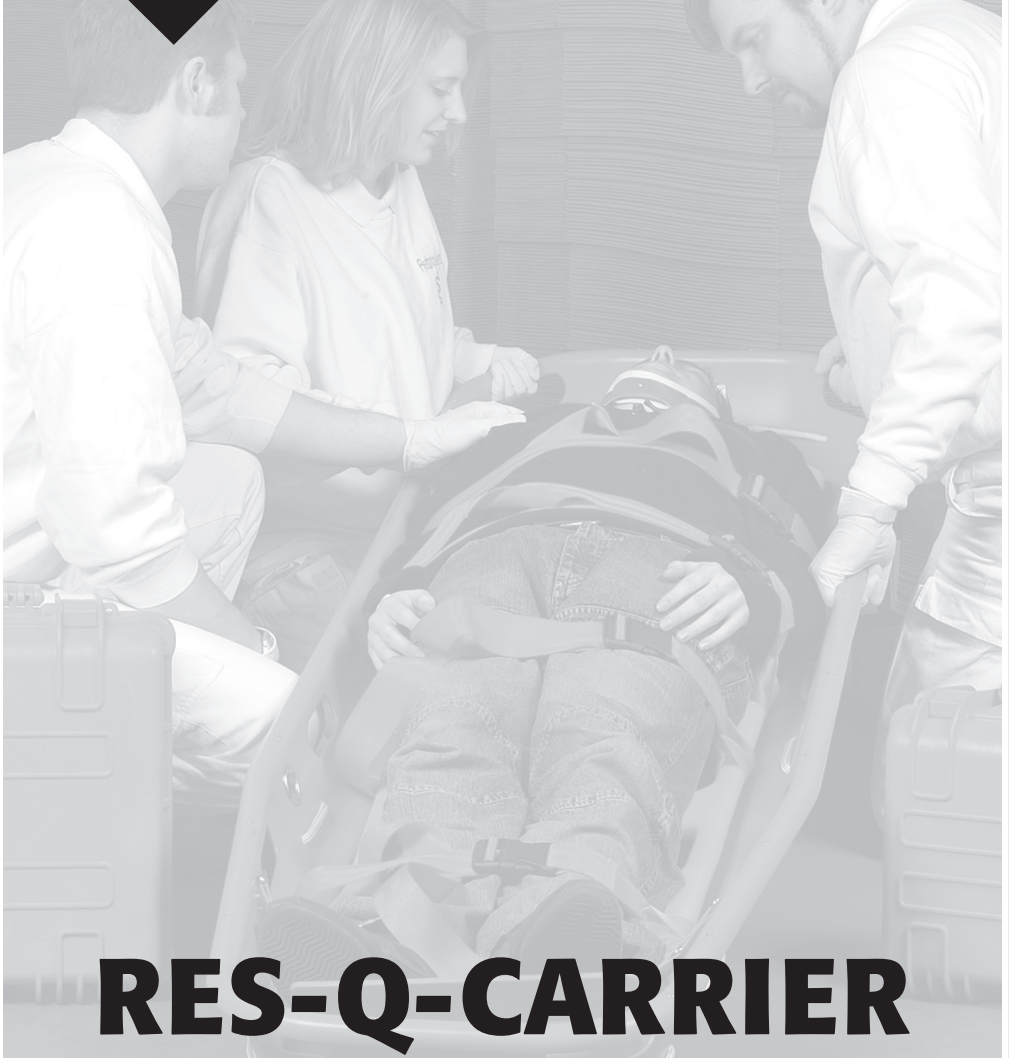




LIFEGUARD®
EMERGENCY PRODUCTS



RES-Q-CARRIER

Basket Stretcher

INSTRUCTION MANUAL



N6 LG4002

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IMPORTANT INFORMATION

Read instructions completely before installing or operating this product.

Practice with the RES-Q-CARRIER basket stretcher before using in regular service. Practise should include any equipment that may be used with the RES-Q-CARRIER basket stretcher such as I.V. pole, backboard, bridle, etc.

This manual has been prepared to provide general instructions for proper product use and maintenance of the RES-Q-CARRIER Basket Stretcher. Specific application and operation technique may vary from user to user. servoprax GmbH does not intend or recommend this product to be used for any other purpose than for which it is designed as outlined in this manual. Any other use or application of this product becomes the complete responsibility of the owner/user.

CUSTOMER SERVICE

The serial number is printed on a plate attached to the product. It should be recorded with other pertinent information in the space provided.

If it becomes necessary to order a replacement part or an additional manual, reference to both model number and serial number will help us supply the proper parts.

Should questions arise regarding the use or care of this product that are not covered clearly in this manual, the Lifeguard Service representatives (Mr. Damschen – 0049 (0)281-95 28 39 32) will be happy to assist you.

Model Number _____

Serial Number _____

Date Received _____

Purchased From _____

Practise Completion Date _____

Used on Vehicle Number _____

SPECIFICATIONS

Model	N6 LG4002
Length	216 cm
Width	61 cm
Height	19 cm
Weight	12 kg
Load Limit*	272 kg
Temperature	-4,4 °C to +60 °C (-40° F to +140°F)

*Exceeding this limit may result in damage to the basket stretcher.

The policy of servoprax GmbH is one of continual improvement in design and manufacture. Therefore, specifications are subject to change without notice.

COMPONENTS

Please check delivery contents immediately after receipt of the basket stretcher. Missing parts must be reported within one week after receipt. Claims made after this time will not be accepted.

THE FOLLOWING PARTS COME WITH THE DELIVERY:

- 1 x basket stretcher with foam pad
- 1 x foot rest
- 1 x restraints
- 1 x instruction of use
- 1 x guarantee card

PHYSICAL ASPECTS

A basket stretcher is generally used to move a patient from areas inaccessible to conventional cots or stretchers. Of utmost importance is having the proper equipment and enough attendants on hand. They must be able to grasp firmly with both hands; have sufficient strength in back, arms, and legs; good balance and reflexes; and muscular coordination.

OPERATING INSTRUCTIONS

PREPARATIONS

Please ensure the following before using the basket stretcher:

- all parts are present,
- the retaining straps are fixed,
- the nylon rope is tensioned.
- the parts are undamaged.

PREPARING THE STRETCHER

Unbuckle the restraints and remove the footrest if stored in place on the stretcher. The basket stretcher features a foam pad to increase patient comfort and insulate against the loss of body heat. Depending on patient condition, weather, etc., rescuers may want to line the basket with one or more blankets for added warmth and protection.

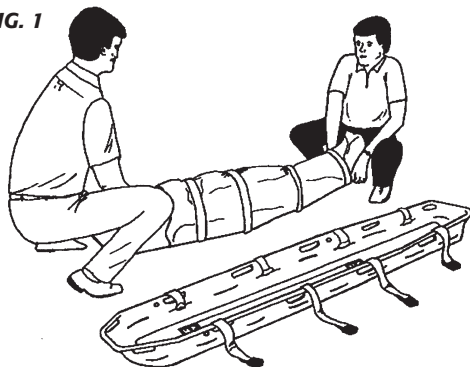
TRANSFERRING THE PATIENT

The patient's condition will determine to a large degree which method is best suited for transferring into the basket stretcher.

In most cases, the rescuers' first priorities will involve stabilizing the patient's condition, controlling potential hazards in the immediate area and possible extrication. Once these requirements are satisfied, the actual movements will progress through some (or all) of the steps outlined in these instructions.

Stabilizing the patient's condition may require the application of a backboard or scoop stretcher, see fig. 1.

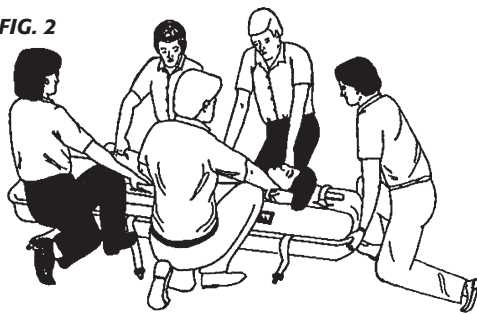
FIG. 1



In addition to support, these devices have convenient handholds for lifting. Training and practice will determine how they are properly positioned in the bottom of the basket.

Rescuers may use several recognized techniques to simply "lift", thereby allowing the basket to be positioned under the patient. Log-rolling onto a blanket and grasping the edges to lift is another possibility, see fig. 2.

FIG. 2



POSITIONING / SECURING THE PATIENT

Once transferred into the basket, the adult patient almost automatically assumes the usual "anatomically straight, face up, arms at sides" position. Children or smaller individuals may require additional padding at the sides to maintain position.

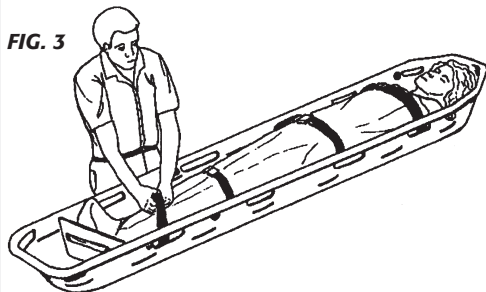
Injury permitting, cover the patient with a blanket or sheet. If spinal fracture or dislocation is NOT a factor, a pillow or folded blanket under the head can greatly aid comfort.

ALWAYS FASTEN THE RESTRAINT, see fig. 3.

Since the patient is moved "in" rather than "on" a basket stretcher, there may be a tendency to feel

that restraints are not needed, particularly on a short horizontal carry over level ground. A SICK OR INJURED PERSON SHOULD ALWAYS BE SECURED WITH RESTRAINTS, REGARDLESS OF THE DEVICE OR THE APPARENT EASE WITH WHICH MOVEMENT CAN BE MADE.

FIG. 3

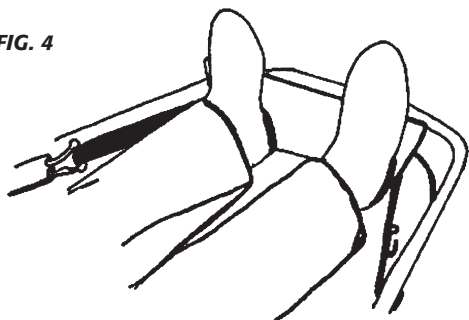


ADJUSTING THE FOOTREST

The hooks sewn to each end of the footrest strap clip over the inside edge of the handholds. The side of the footrest with the single hook is attached first. The opposite side, with the double hook, is then clipped on using whichever hook positions the footrest closest to the patient's feet.

The footrest should then be centred on the strap, perpendicular to the stretcher bottom and pressed firmly against bottoms of the feet, illustration 4. If necessary, reposition the patient slightly to accomplish.

FIG. 4



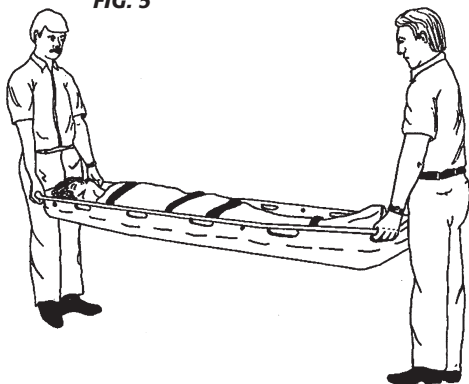
Use alternate hook to shorten strap.

Properly positioned and secured, the patient and the basket stretcher become a solid unit that can be easily and safely moved, even in difficult situations.

MOVING THE STRETCHER OVER LEVEL TERRAIN

Carrying a patient secured in the basket stretcher short distances over level land can often be done by as few as two attendants. Generally, they would use the end handholds and both face the patient, see fig. 5.

FIG. 5



An extremely heavy patient, long distance, rough terrain or debris, etc., may increase the number of attendants required to carry the weight.

IN EVERY CASE, ADEQUATE MANPOWER SHOULD BE USED TO ENSURE SMOOTH AND SAFE MOVEMENT CONSISTENT WITH THE DEGREE OF EMERGENCY AT HAND.

MOVING THE STRETCHER OVER SLOPING TERRAIN

The method for use on steeps, slopes or in low clearance situations is to slide the stretcher on its runners over the ground surface. Rescuers should be alert for rocks, stumps, or any hazard that might penetrate through the basket.

There will be circumstances where the patient secured in a basket stretcher cannot be transported by hand. Ropes, winches, ladders, rescue bridle or other means must be used to assist in moving the stretcher to a point where carrying can take over.

THE USE OF SUCH RIGGING FALLS INTO THE CATEGORY OF "HEAVY RESCUE": THE SPECIALIZED PROCEDURES SHOULD ONLY BE USED BY (OR UNDER SUPERVISION OF) TRAINED RESCUE PERSONAL.

Inclined surfaces, such as the rails of a ladder leaning against a building, can often be used as a "slide" to guide and support the stretcher as it is raised/lowered.

AS STATED PREVIOUSLY, ANY TIME THERE IS MOVEMENT THE PATIENT SHOULD BE SECURED WITH RESTRAINTS. AT ALL TIMES, THE RESCUER SHOULD KEEP FIRM IN HIS OWN MIND THAT ALL COMPONENTS OF ANY RIGGING SYSTEM BE LOAD RATED "EQUAL OR EXCEEDING" THAT FOR THE BASKET STRETCHER, AND INTERCONNECT DIRECTLY TO THE BASKET. Additional care should be taken that the combined weight of patient, life support equipment and possibly even the rescuer, do not exceed the load limit for the lowest rated component.

MOVING THE STRETCHER WITH BRIDLE ATTACHMENT

Using the (optional) RES-Q-BRIDLE (REF N6 LG4003) assembly can greatly speed rigging in many situations by completing the connection between rope or hoist cable and the basket stretcher.

OPERATING INSTRUCTIONS FOR THE RESCUE BRIDLE

RESTRAINTS: Any time a bridle is used to lift a patient in conjunction with the basket stretcher, the patient should always be secured to the stretcher by using the proper number of restraints. Weather conditions, geographic location, size and weight of patient, type of injury, etc., will determine the number of restraints to be applied. Training experience and common sense will determine total product application in many circumstances.

ATTACHING THE BRIDLE: Using the grommets positioned near the main frame, attach bridle to the basket stretcher. To do this, pick up a carabiner, placing it in your hand with the long side toward the thumb. With fingers, squeeze (be sure screw locking collar is loose), slip bottom of carabiner through grommet, and release lever, see fig. 6. To secure carabiner, screw locking collar down until it stops. This is to prevent the carabiner from opening and freeing itself from the stretcher.

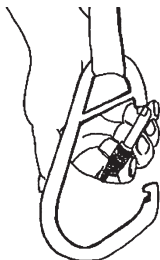


FIG. 6

HORIZONTAL LIFTING

The webbing comes in two colors: orange and grey. For proper hookup, use ONE COLOR of webbing at EITHER HEAD or FOOT END of the basket stretcher attached at both sides. Hook through the grommets, see fig. 7. Attach the other color of webbing at the opposite end of the stretcher on both sides; hook through the grommets. Secure all webbing properly by screwing the locking collars into place. Adjust straps until stretcher is horizontal. Tag lines (not included) should be placed as needed to control rotation. **CAUTION:** Do not use the same color of webbing on one side of the basket stretcher. Use grey at one end, orange at the other, see fig. 8.

FIG. 7

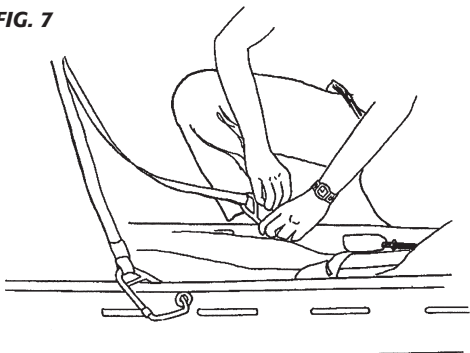
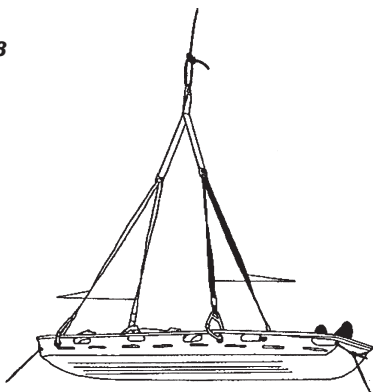


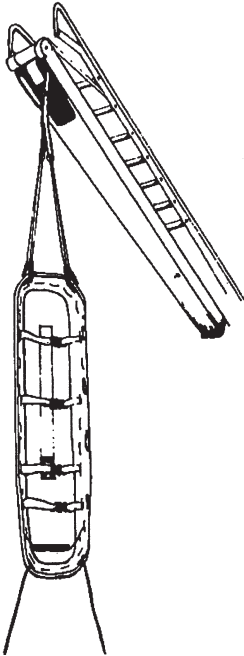
FIG. 8



VERTICAL LIFTING

For vertical lifting, all four (4) carabiners should be hooked into head end handholds, two and two, see fig. 9.

FIG. 9



SPECIALIZED APPLICATIONS

Those responsible for user training will realize that few rescue situations are exactly alike. As a result, this manual is necessarily GENERAL in nature. The trained personnel will consider all aspects of the situation and work out rescue procedures based on a broad knowledge of equipment, methods and practise. The refinements of use, both general and specialized, are best developed through regular practise and simulated rescue using the basket stretcher and ropes, bridles, or other rigging needed to insure patient safety.

CLEANING

Please clean the basket stretcher according to the following:

- Clean plastic surfaces with water and soap or a mild detergent. Use only suitable disinfectants. We recommend the use of Virkon.
- The foam pad and the restraints can be cleaned with water and soap or a mild detergent and then disinfected.

The cleaned parts must be completely dry prior to storage.

CAUTION: Do not use high-pressure cleaners for cleaning the single parts as the parts may become damaged!

MAINTENANCE

One of the most important aspects of any maintenance program is regular inspection. Such inspection should include looking for anything that might affect the integrity of the basket stretcher, e.g. punctures, cracks, deep gouges, bent frame, missing rivets, cuts, frayed rope or webbing etc.

With the exception of replacing restraints and foam pad, the basket stretcher is not generally considered a field repairable item. If there is any questions about condition in the inspector's mind, call servoprax GmbH concerning factory inspection and possible repair.

Design of the basket stretcher is such that routine maintenance is reduced to a minimum. Thorough cleaning after each use, replacement of worn restraints or foam pad, and an occasional waxing are all that is required.

When not in use, the basket stretcher should be kept in a clean area, preferably a cabinet or storage case. The plastic does contain an ultraviolet stabilizer for improved long-term weatherability. Nevertheless, prolonged exposure to direct sunlight should be avoided.

SURROUNDING NYLON ROPE

Please ensure that the nylon rope is always tensioned. A damaged rope must immediately be replaced. Replace the rope after 8 years.

PLASTIC BASKET

The basket is made of solid Polyethylene and is almost indestructible. Should the basket nevertheless become damaged, it may not be used again.

METAL FRAME

The surrounding metal frame serves to stabilize the plastic basket. Should the frame become damaged, the use of the basket stretcher must be discontinued until repairs are made.

ACCESSORIES

RES-Q-BRIDLE	N6 LG4003
Universal Bridle	N6 LG4003UM

CAUTION: Only these two bridles may be used with the basket stretcher (N6 LG4002). Bridles from third parties may not be used.

Vacuum mattress	N8 7550
Pump for mattress (Vacuum foot pump)	N8 22125A
Rescue blanket (gold-silver)	H1 16902
Rescue blanket, TRAN-S-BLUE	N8 7520
Scoop stretcher	N5 1000
10-point restraint system	N5 ST02035A
Head-Fix Standard	N6 SH00110C
Variable cervical collar	N4 5000
Cleaning- and disinfecting set	M3 5005
Virkon Starter Set small, 10 tablets (5 gr. for 500 ml)	
Cleaning- and disinfecting set	M3 5050
Virkon Value Pack, 50 tablets (5 gr. for 500 ml)	

SPARE PARTS:

<i>Description</i>	<i>REF</i>
Plastic basket with metal frame	N6 ET41
Foam pad	N6 LG4005EM
Restraints (replace after 8 years!)	N6 LG4006ET
Footrest with straps and clips	N6LG4007EF
Surrounding nylon rope (replace after 8 years!)	N6 LGSEIL

Please use the order sheet, which is included in this instruction manual, for ordering spare parts. Add the serial number of the basket stretcher in the order sheet. This will help us to provide you the right accessories or spare parts.

ACCESSORIES AND SPARE PARTS ARE AVAILABLE AT:

LIFEGUARD EMERGENCY PRODUCTS

servoprax GmbH

Am Marienbusch 9

D – 46485 Wesel

Tel: 0049 (0) 281 – 95 28 39 32

Fax: 0049 (0) 281 – 95 28 39 91

Internet: www.servoprax.de

E-Mail: info@servoprax.de

CAUTION: Improper repairs or the use of unauthorized accessories may have fatal consequences for the user or the rescued person.

WARRANTY

We guarantee that the delivered products are free of defects, for the statutory period.

This warranty covers the repair or replacement of the faulty basket stretcher. The warranty period begins at the time of delivery of the basket stretcher to the customer. The delivery note or supplier invoice serves as proof of date of purchase.

The guarantee is expressly limited to the replacement or repair of the faulty products. Secondary failures are expressly excluded.

To enable us to fulfil the statutory obligations, it is necessary to send the attached guarantee card (last page of this instruction manual) to the manufacturer for registration.

Any changes or repairs made by non-authorized persons / companies breach the warranty, and any claims will no longer be the responsibility of servoprax GmbH.

Order Sheet for Spare Parts

Please copy, fill in and send to:

LIFEGUARD EMERGENCY PRODUCTS
Am Marienbusch 9
D – 46485 Wesel

E-Mail: info@servoprax.de
Tel.: 0 281 – 95 28 39 32
Fax: 0 281 – 95 28 39 91

We order:

The RES-Q-CARRIER has the serial no.:

REF	Description	Quantity	Price

Besteller	Delivery Address
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Place / Date

Stamp / Signature

GUARANTEE CARD



For LIFEGUARD RES-Q-CARRIER with serial number:
Place, delivery date:
Data of owner:
Name / contact person:
Address:
Post code, place:
Telephone number:
Fax number:

Please sent this guarantee card to:

Manufacturer:
servoprax GmbH
Am Marienbusch 9
46485 Wesel, Germany

Fax: + 49 (0)281 – 95 28 39 91
E-mail: info@servoprax.de