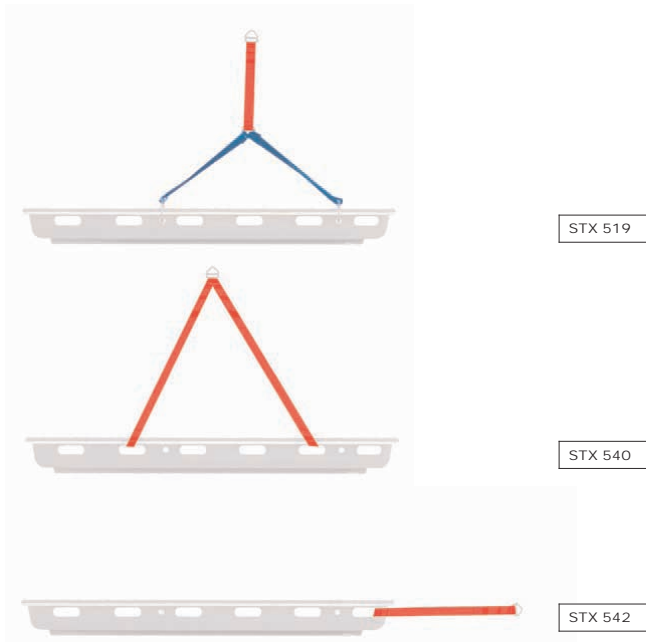


User's Manual

STX 519/540/542 Lifting bridle systems



This appliance conforms with the Directive 93/42/CEE "Medical Devices".

Guarantee of Quality system for the production and the final control of the products certified by the notifying body TÜV Product Service GmbH.

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Thank you for choosing a Spencer product

1 GENERAL INFORMATION






1.1 AIM AND CONTENTS

The aim of this manual is to supply all the information necessary so that the client, will not only attain adequate use of the appliance, he will also be capable of using the instrument in the most autonomous and secure way possible. This includes information regarding technical aspects, functioning, maintenance, spare parts and safety.

1.2 CONSERVATION OF THE INSTRUCTION MANUAL

The instruction and maintenance manual must be kept with the product, inside the specially provided container and above all, away from any substances or liquids which could compromise perfect legibility.

1.3 SYMBOLS USED

| SYMBOL | MEANING |
|---|---|
|  | General or specific warning |
|  | See instructions for use |
|  | Lot number |
|  | Product code |
|  | The product is compliant with the specifications of the Directive 93/42/CEE |

1.4 SERVICING REQUESTS

For any information regarding the use, maintenance and installation, please contact the Spencer Customer Care Service on 0039 0521 541111 - fax 0039 0521 541222 - e-mail: info@spencer.it or write to Spencer Italia S.r.l. - Strada Cavi, 7 - 43044 Collecchio (Parma) - ITALY.

1.5 DEMOLITION

Follow the current regulations.

1.6 LABELLING

The serial number as indicated below can be found on each appliance and must not be removed or covered. In order to facilitate assistance please indicate or communicate the lot number (LOT) on the label.

2 WARNINGS

2.1 GENERAL WARNINGS

- Before carrying out any kind of operation on the appliance, the operator must carefully read the enclosed instructions, paying particular attention to the correct safety precautions and to the procedures to be followed for installation and for correct use.
- In the case of any doubts as to the correct interpretation of the instructions, please contact Spencer Italia S.r.l., for any necessary clarifications.
- Regularly check the appliance.
- In the case of any abnormalities or damage to the appliance, which could jeopardize the functioning and the safety, the appliance must be immediately removed from service.
- Do not alter or modify in any way the appliance; any such interference could cause malfunctions and injury to the patient and/or rescuer.
- The appliance must not in any way be tampered with. In such cases all responsibility will be denied for any malfunctions or injuries caused by the appliance itself. Those who modify or have modified, prepare or have prepared medical appliances in such a way that they no longer serve the purpose for which they were intended, or no longer supply the intended service, must satisfy the valid conditions for the introduction onto the market.
- Ensure that all the necessary precautions are taken in order to avoid the hazards that can arise as the result of contact with blood or body fluids.
- Handle with care.

2.2 SPECIFIC WARNINGS

- The product must be used by trained personnel only.
- If any failure or incorrect functioning of the device is detected, it must be immediately substituted with a similar item so that the rescue procedures are guaranteed without any interruption.
- When the device is being used, the assistance of qualified staff must be guaranteed.
- The device must not be exposed or come into contact with any source of combustion heat or inflammable agents.
- The harness should only be used as described in this manual.
- Each time before using, check that none of the belts present any damage or wearing.
- Any damaged or worn belts must be substituted immediately.
- Fix the belts and buckles only to the positions indicated in this manual.
- Position and adjust the belts and buckles so that they do not represent an obstacle to other rescuers, rescue operations and the use of other rescue devices.

2.3 CONTRAINDICATIONS AND SIDE EFFECTS

The use of this device, if used as described in this manual, does not present any contra-indications or collateral effects.

3 DESCRIPTION OF PRODUCT

3.1 INTENDED USE

The Spencer STX 519/540/542 systems are reliable harnesses for the Spencer range of basket stretchers. The fixed and adjustable harnesses and tow belts make lifting the basket stretchers safe thanks to a safety coefficient of 7:1 which guarantees both patient and operator safety even when operating in extreme conditions at the limit of the product performance.

3.2 MAIN COMPONENTS

- 1 Nylon webbing
- 2 Metal anchor hooks
- 3 Metal sliding buckles

3.3 MODELS

| | |
|----------|------------------------------------|
| ST04519C | STX 519 Adjustable lifting bridles |
| ST04522B | STX 540 Fixed lifting bridles |
| ST04523B | STX 542 Pulling bridles |

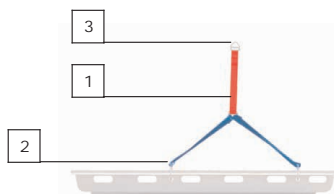


Fig. A

3.4 TECHNICAL DATA

| Lifting bridle systems | STX 519 | STX 540 | STX 542 |
|------------------------|------------------------------------|-------------------------|-------------------------|
| Webbing length | maximum 1680 mm minimum 1250 mm | 1600 and 1550 mm | 1500 mm |
| Webbing width | 50 mm / 20 mm | 30 mm | 30 mm |
| Weight | 1,8 kg | 0,8 kg | 0,6 kg |
| Material | nylon, aluminium, steel | nylon, aluminium, steel | nylon, aluminium, steel |
| Type of fixture | carabineer | noose | carabineer |
| Number fixing straps | 4 | 4 | 2 |
| Compatibility | all basket stretchers | all basket stretchers | all basket stretchers |
| Loading weight | 280 kg | 230 kg | 240 kg |

3.5 ENVIRONMENTAL CONDITIONS

Functioning temperature: from -20 to +60 °C

Storage temperature: from -20 to +60 °C

Relative humidity: from 5 to 85%

4 OPERATING INSTRUCTIONS

4.1 TRANSPORT AND STORAGE

Before transporting the appliance, make sure that it is correctly packaged ensuring also that there are no risks of shocks, bumps or falls during the transport itself. Keep the original packaging for use in case of any further transport. Damage to the appliance caused during transport and handling is not covered by the guarantee. Repairs or replacement of the damaged parts are the responsibility of the client. The appliance must be stored in a dry place free from humidity.

4.2 PREPARATION

On receipt of the product:

- Remove the packaging and display the material so that all components are visible.
- Check that all the components/pieces on the accompanying list are present.

The appliance must be checked before every use so as to reveal any working abnormalities and/or damage caused by transport and/or storage.

Before and after each use, check as follows:

- Are there any cuts, scratches or holes?
- Are all parts of the device intact?
- Do the belts fold sufficiently?
- Are all of the buckles working correctly?
- Are the adjustable points sliding correctly?

If all is compliant, the device is ready for use.

4.3 FUNCTIONING

4.3.1 USE OF THE STX 519 SYSTEM

1. Fix the four carabineers in the correct position of the basket stretcher. Before proceeding to lift, check that the carabineers are all correctly hooked on.
2. Adjust the length of the webbing so that the stretcher when lifted remains in a horizontal position.
3. Use the ring at the top of the system to lift the stretcher.
4. Make sure the at the webbings and carabineer do not interfere with the patients of any other devices being used.

4.3.2 USE OF THE STX 540 SYSTEM

1. Fix the four straps with noose to the correct position of the basket stretcher. Before proceeding to lift, check that the noose are all correctly fitted.
2. The straps are in pairs with different lengths which helps compensate the balance in the horizontal position when lifted. If the basket does not appear to be well balanced, the weight inside the basket must be redistributed.
3. When the carabineer is in use, join the two extremities not attached to the stretcher and use them to lift the stretcher.
4. Make sure the at the webbings and noose do not interfere with the patients of any other devices being used.

4.3.3 USE OF THE STX 542 SYSTEM

1. Fix the two carabineers into their correct position on the sides of the head area. Before starting to tow, check that the carabineer are both correctly attached.
2. Use the two webbing loops to be found at the extremity of the system to tow the stretcher.
3. Make sure the at the webbings and carabineer do not interfere with the patients of any other devices being used.

4.4 TROUBLESHOOTING

| PROBLEM | CAUSE | REMEDY |
|-------------------------------|---------------------|--|
| Hooks are not correctly fixed | Mechanism is broken | Immediately remove device from service and contact the assistance centre |

5 MAINTENANCE AND CLEANING

5.1 CLEANING

Failure to carry out the correct cleaning routine could increase the risk of cross infection. The system should be cleaned using mild detergent or a neutral soap and water. Blood stains should be oxidised before being washed off in water.

5.2 MAINTENANCE

5.2.1 Precautionary Maintenance

The device does not require programmed servicing.

5.2.2 Special servicing

Only the manufacturer or centres with written authorisation are authorised to complete any special servicing operations.

For any operations that are not carried out directly by the manufacturer but by an authorised centre, we have to underline that a report regarding all operations carried out must be requested. This will permit both Spencer Italia S.r.l. and the end user to keep a log book regarding the operations carried out on the device.

The device, if used as indicated in the following instruction manual, has an average life span of 3 years. The life span can be expanded only following a general revision of the product that must be carried out by the manufacturer or by a centre authorised by the manufacturer.

6 ACCESSORIES AND SPARE PARTS

There are no accessories or replacement parts for these items.

Warning

The information contained in this document could be modified without any warning and is not to be intended as a commitment on behalf of Spencer Italia S.r.l. Spencer products are exported to many countries and the same identical regulations are not always valid. For this reason there could be differences between the description here described and the product actually delivered. Spencer continually strives to reach the perfection of all items sold. We therefore hope you will understand if we reserve the right, at any time, to modify the shape, equipment, lay-out or technical aspects that are herein described.

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