

User's Manual

SXV / SXV 20G and SXO / SXO 20G

vertical and horizontal restraint systems for scoop stretchers
(standard and 20G certified models)



SXV / SXV 20G Vertical fixation



SXO / SXO 20G Horizontal fixation



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 SÜD 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
	See instructions for use

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 serial number (SN) or 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. Carry out the prescribed maintenance in order to keep the appliance in good condition and to guarantee correct functioning and a long life.
- 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 is only to be used by trained professionals.
- Do not apply too much pressure when using the device. Excess pressure could cause damage and have a negative influence on performance.
- The restraint system must be used only as described in this instruction and maintenance manual.
- No changes or revisions can be made to the device to adapt it to the emergency vehicle. Because this could cause incorrect or abnormal functioning, structural damage and the warranty would be considered void.
- In the case that any abnormalities or damage which could cause faulty functioning or effect the safety detected the product must be immediately removed from use.
- Always make sure that all precautions to avoid dangerous contact with blood or body fluids have been taken.

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

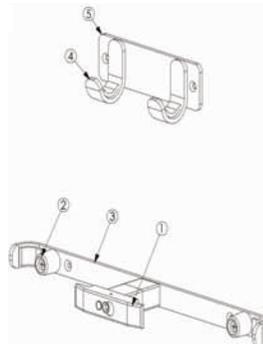
3.1 INTENDED USE

Spencer SXV and SXO are blocking systems which make the fixture of scoop stretchers easy and efficient in an ambulance or on purpose made supports. The SXV device permits fixing of the scoop in the vertical position and the SXO permits fixing in the horizontal position.

3.2 MAIN COMPONENTS SXV

1. Fixing block
2. Grip
3. Main plate
4. Support hook
5. Hook side plate

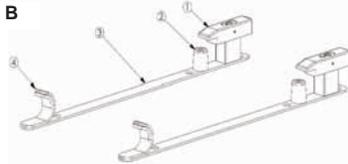
Fig. A



3.2.1 MAIN COMPONENTS SXO

1. Fixing block
2. Grip
3. Main plate
4. Support hook

Fig. B



3.3 MODELS

SXV Vertical restraint for scoop stretchers	ST05017A
SXV 20G Vertical restraint for 20 G certified scoop stretchers	ST05018B
SXO Horizontal restraint for scoop stretchers	ST05016A
SXO 20G Horizontal restraint for 20 G certified scoop stretchers	ST05019B

3.4 TECHNICAL DATA

	SXV/SXV 20G	SXO/SXO 20G
Length (mm)	lower part 440 / upper part 180	510
Width (mm)	lower part 25 / upper part 55	25
Height (mm)	lower part 90 / upper part 65	60
Weight (kg)	SXV 0,55 / SXV 20G 1	SXO 0,7 / SXO 20G 1,5
Material	aluminium and glass loaded nylon	aluminium and glass loaded nylon

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 device must be checked each time before use so that any abnormalities in functioning and/or damage are immediately detected.

Before using the device each time:

- On removing from the original packaging make sure that all parts are present and intact.
- Check that the fixing block rotates smoothly.
- Check that the fixing block blocks in the various positions.
- Make sure that all screws are tight.

If all points are conform, the fixing system is ready to be used. If you should require anymore information about the device or the instructions given, contact the Spencer Customer Care Service (paragraph 1.4).

If the restraint does not seem to be in the condition to offer correct and safe functioning, the device must be immediately removed from service and you must contact the Spencer Customer Care Service.

4.3 SPECIFICATIONS FOR THE EMERGENCY VEHICLE

Spencer SXV and SXO have been designed for installation in the sanitary area of ambulances. The vehicle must have the following basic characteristics:

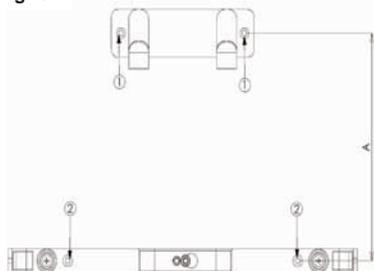
- Flat surface sufficiently strong to sustain the hooks with the medical device.
- Surface sufficiently wide and long enough to position the restraint without any obstacles.
- The emergency vehicle must be conform to the EN 1789 normative.

4.4 FUNCTIONING

4.4.1 FIXING THE SXV TO THE SURFACE

1. Position the hook in the correct position desired.
2. Place the fixing plate on the surface at the chosen position; use the plate as a template and attach with 2 TPSEI M6 resistance class 10.9 screws in the corresponding holes. (n. 1 fig. C).

Fig. C

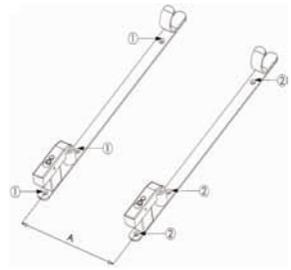


The part must be attached to a surface which is able to support to the loading weight applied taking into account also the 20G.

Position also the other part of the SXV system at a distance (point A fig. C) of between 800 mm and max. 1000 mm. Also for this operation the plate can be used as a template and then fastened with 2 TPSEI M6 10.9 resistance screws.

The part must be attached to a surface which is able to support the loading weight applied considering also the 20G.

Fig. D



4.4.2 FIXING THE SXO TO THE SURFACE

1. Position the hook in the correct position desired.
2. Place the fixing plate on the surface at the chosen position; use the plate as a template and attach with 3 TPSEI M6 resistance class 10.9 screws in the corresponding holes. (n. 1 fig. D).



The part must be attached to a surface which is able to support to the loading weight applied taking into account also the 20G.

3. Position also the other part of the SXV system at a distance (point A fig. D) of between 500 mm and max. 650 mm. Also for this operation the plate can be used as a template and then fastened with 3 TPSEI M6 resistance class 10.9 screws. **The part must be attached to a surface which is able to support the loading weight applied considering also the 20G.**



The SXO device must always be fixed with the supporting hooks above the fixing block.

4.4.3 BLOCKING THE SCOOP IN THE SXV OR SXO DEVICE

1. Load the transport device on the ambulance following the standard routine.
2. Attach the scoop to the hooks of the support (paragraph 3.2).
3. Rest the scoop on the hooking device.
4. Turn the fixing block until the scoop is locked in position.

4.4.4 RELEASING THE SCOOP FROM THE SXV OR SXO DEVICE

1. Unlock the device pressing the bronze colour button so that the part will turn 90°.
2. After releasing from the fixing block, lift the scoop from the suspension hooks.

4.5 TROUBLESHOOTING

PROBLEM	CAUSE	REMEDY
The fixing block does not move	The movement spring is faulty or blocked	Immediately remove the device from service and contact the Spencer Client Assistance Service
Damage to the structure	Incorrect use	Immediately remove the device from service and contact the Spencer Client Assistance Service

5 MAINTENANCE AND CLEANING

5.1 MAINTENANCE AND CLEANING

The metal parts exposed to external agents are normally treated and/or painted to improve resistance. Exposed parts should be washed with a sponge using a mild detergent and then dried with a soft cloth or chammy. To polish the surfaces we recommend the use of a cream or wax normally used by car fitters. High pressure water devices must not be used as it would penetrate between the joints removing the lubricants therefore increasing the risk of corrosion. Failure to carry out the correct cleaning operations could increase the risks of cross infections caused by the presence of body fluids and/or residuals. For best results we suggest the use of Spencer STX 99 (code ST50000E) detergent polish on the metal parts.

5.2 MAINTENANCE

5.2.1 Precautionary Maintenance

- The person who carries out the precautionary maintenance of the appliance (user in person, manufacturer/supplier or a third party) has to guarantee the following basic requirements:
- technical knowledge of the appliance and of the periodic maintenance procedures as described in these instructions;
 - specific qualifications and training in the maintenance operations of the appliance in question;
 - the use of components/replacement parts/accessories that are either original or approved by the supplier, in such a way that each operation causes no alteration or modification to the appliance;
 - possession of the checklist of operations carried out on the appliance;
 - guarantee complete adherence to the instructions of the 93/42/CEE Directive which includes also the obligation towards the manufacturer to maintain post sales records and traceability of the appliance if requested.
- Before each use check:
- Correct functioning of device
 - Screws and nuts are correctly tightened
 - Signs of wearing in moving parts
 - Spring attachments
- Frequency for the lubrication of moving parts:
- Use of device 1-30 times per month: every 3 months
 - Use of device 30-50 times per month: every 2 months
 - Use of device more than 150 times per month: every month
- Any maintenance operations other than lubrication, tightening of screws and nuts, cleaning should be carried out exclusively by Spencer Italia S.r.l. or by an authorised Spencer service centre.
- The device does not require any routine servicing by the manufacturer.**

5.2.2 Special servicing

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

The device, if used as described in the following instructions, has a life span of 5 years.

Warning

The information contained in this document can be modified without warning and is not to be intended as a commitment on the part of Spencer Italia S.r.l. Spencer products are exported to many countries in which the same identical regulations do not exist. It is for this reason that there can be many differences between the description and the actual product delivered. Spencer works continuously to reach the perfection of all the models sold. We therefore hope to have your understanding if we reserve the right to modify the shape, equipping, lay-out or technical aspects that are herein described, at any given time.