

User & Trainer Guide



The **SmartStretcher** is an innovative, lightweight, three part, adjustable stretcher made entirely from easy clean plastic material with no metal parts, fully compatible with an ambulance stretcher and can be used in multiple positions, including the internationally recognized recovery position.



SMART
STRETCHER



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Introduction

The Safe Movement & Response Tool Stretcher System of patient management has been designed and developed by leading professionals within their area of expertise to provide a safe range of options for operational practitioners, other medical and non-medical professionals to respond to both planned and unplanned emergency situations.

This document is intended to provide the user with information and guidance on the application, operation and maintenance requirements essential for the safety of all concerned.

Intended use

Means of supporting a single individual/patient, who may require attention for medical or non-medical reasons.

NOTE: For details on training see Appendix A

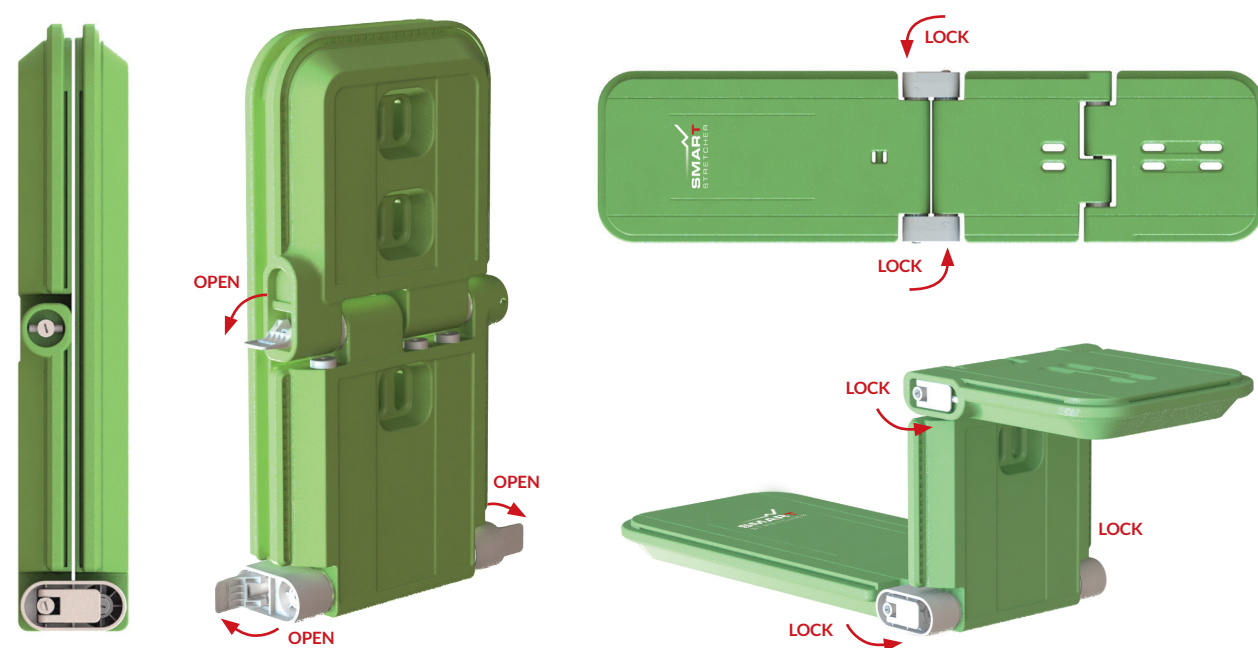
Deployment

There are 2 main steps which must be followed when you open the SmartStretcher, but firstly :-

1. Open the holdall, take out the SmartStretcher and stand it in a vertical position with the main hinge squarely on the floor.
2. Remove from the individual holdall pockets, the straps you need and place to one side.
3. Put the holdall safely to one side and somewhere where it will not create an obstruction or tripping hazard.

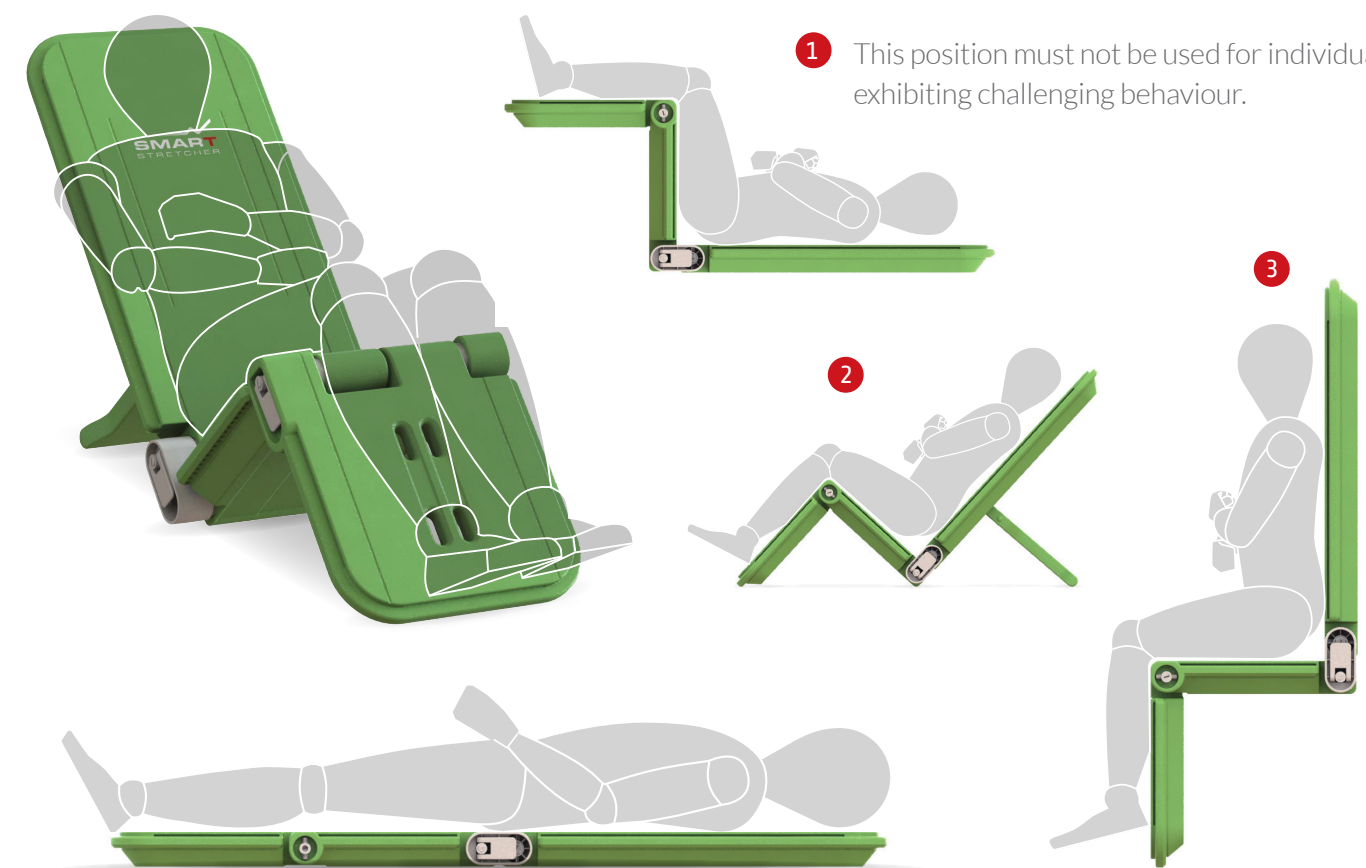
Opening the SmartStretcher

1. Open the two paddle clips on both the right and left hand side of the hinge. Using the headboard open the SmartStretcher into the flat position.
2. If you require the SmartStretcher to be used in other positions you will also need to release the paddle clip on the lower part of the SmartStretcher and position the panel accordingly.
(See illustrations below)



NB: IMPORTANT - If you are using the seated positions you **MUST ENSURE** you have securely deployed the back support bracket **BEFORE** placing an individual on the SmartStretcher. Always ensure the hinges are locked and secure. Be aware that positional asphyxiation can also occur when a patient is seated if allowed to slouch forward. Constant monitoring is essential to ensure patient safety. You must **NEVER** leave a patient unattended on the SmartStretcher.

Positioning the individual on the SmartStretcher



2 & 3: Individuals exhibiting challenging behaviour must not be left unsecured in either of the seated positions.

WARNING/CAUTION: Do not place more than one person on the SmartStretcher at any time. Do not use a soft pillow for resting the head as this could lead to asphyxiation of the individual. Do not exceed the maximum carry weight of 180kg.

The straps

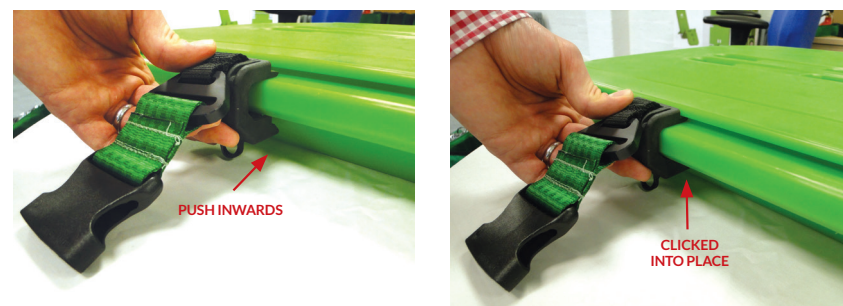
A set of straps are provided for the security of the individual/patient and their safety. They have been specifically designed for ease of use and application.

To apply them correctly to the SmartStretcher follow the instructions below covering **Attaching the straps**, **Adjusting the position of the straps** and **Releasing the straps**.

NOTE: For details of the straps provided see **Parts** page 9 and Appendix A

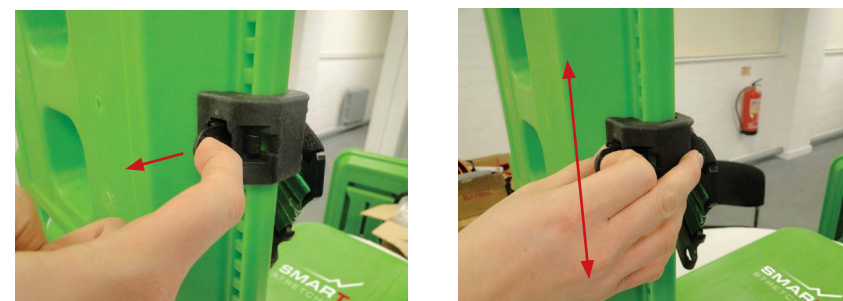
Attaching the straps

All the straps have individual clips which are to be secured to the locating castellations on the underside of the SmartStretcher. Simply push the clips inwards, ensure they have clicked into place, and are firmly secured.



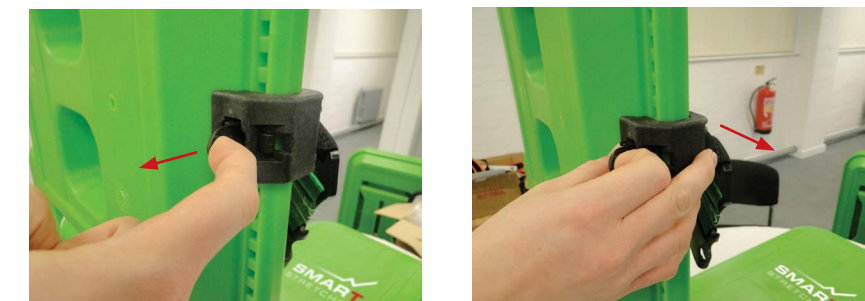
Adjusting the position of the straps

Simply pull down on the small tab on the underside of the strap clip and slide along until the desired position is found. Release the small tab and push the clip inwards ensuring the clip is firmly secured once more.



Releasing the straps

Simply pull down on the small tab on the clip and pull outwards (towards you). This movement will release the clip and strap from the SmartStretcher.



WARNING/CAUTION:

- When applying the straps to the individual/patient always ensure that straps are not over tightened as this may lead to restriction of blood flow.
- Where appropriate use a suitable device to monitor blood flow, breathing and skin damage.
- Do not place any straps directly over the diaphragm cavity as this could lead to positional asphyxiation.
- Always apply an appropriate number of straps for the individual's safety and security.
- Always ensure the individuals airways are clear and check on a regular basis in accordance with your medical procedures.
- Ensure that the individual cannot access the two paddle clips on either side of the upper section of the SmartStretcher.

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Transfer handles

Six (6) transfer handles are supplied as standard and they must be positioned in order to achieve a straight and balanced lift of the SmartStretcher and the individual/patient.



The transfer handles are to be secured and/or released as described on pages 5 and 6.

Transferring the individual

The safety of the individual / patient and staff members is paramount.

- Always ensure that the individual / patient is placed on the SmartStretcher as instructed on page 4 **“POSITIONING THE INDIVIDUAL ON THE SMARTSTRETCHER”**

WARNING/CAUTION:

- Transfers must be planned, appropriately supervised and carried out in a safe manner in line with your organisations operational requirements and protocols.
- Always apply the appropriate number of straps for the individual's safety and security.
- Ensure all straps have been correctly fitted to prevent the individual accessing the two paddle clips on either side of the upper section of the SmartStretcher.
- Do not exceed the maximum individual/patient weight of 180kg.
- Always ensure hinged sections are locked and secure.

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Cleaning

The SmartStretcher has been designed to be low maintenance and wipe clean. Always ensure the SmartStretcher is fully open to ensure all surfaces are made accessible for cleaning.

CLEANING THE STRAPS AND CLIPS - Straps and clips can be washed at low temperature and allowed to air dry. If they are particularly heavily soiled use an anti-bacterial washing agent or/and spray (Byrotol 4-in-1 - Please see accessories page for further details) on the clips. We recommend straps and clips should be isolated in the 'washbag' provided with SmartStretcher to protect the washing facility. **DO NOT TUMBLE DRY.**

CLEANING THE HOLDALL - The holdall can be wiped clean either by using an anti-bacterial spray or washing agent if necessary. We strongly advise that the SmartStretcher has been cleaned thoroughly before putting back in to its holdall.

WARNING/CAUTION:

- Do not use abrasive/harsh cleaning agents or materials.
- Do not power wash SmartStretcher as this may result in the retention of water in and around the hinge areas harbouring the growth of bacteria.

Storage

Always keep the SmartStretcher and accessories in the holdall provided.

Maintenance

It is important to inspect the SmartStretcher and straps regularly for any wear and tear to ensure all parts are in place, clean and in good working order. ready to use on the next occasion. We recommend you maintain a log of the inspections undertaken to provide an audit trail. At any time, if you are unsure of the safety of any parts, or you doubt their functionality, inform you line manager immediately. Failure to do so could lead to a patient's health being seriously affected, injury or in a worst case scenario fatality.

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Parts



Warranty

Only use OEM parts for maintenance. Damage caused by abuse, mis-use, operator error, non-observation of the instructions provided, improper maintenance and use of non OEM parts will invalidate the warranty.

Accessories

HEAD BLOCK



BYROTOL 4-IN-1



Surface antimicrobial disinfectant agent - up to 24 hours protection

ATTACHING THE HEAD BLOCK

The Head Block is to be secured and/or released as described for STRAPS.



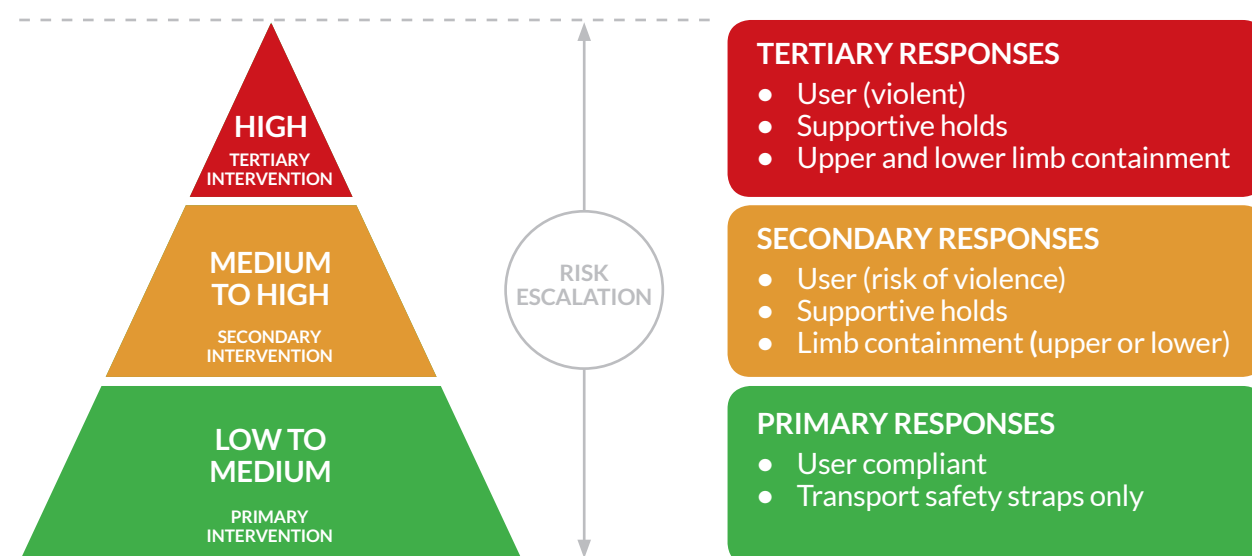
Technical Data

Length	1800mm	(898mm folded)
Width	450mm	(500mm folded)
Depth	78mm	(161mm folded)
Weight	12kg	(27lbs)
SWL Capacity	180kg	(396lbs)
Materials	X-ray translucent	-

APPENDIX A

STRAPS: The straps provided are specifically designed to cover the additional levels of a particular application and are available for the categories below. It is important and essential that all straps used provide the correct level of security for the individual/patient in question. The level of tension needs to be considered in order that blood flow, breathing restrictions, skin damage or harmful effects on the individual/patient are avoided. The straps are discreetly colour coded to reflect the correct level of application within the national guidelines as follows:-

HEIRARCHY OF RESPONSES



PRIMARY (GREEN)

Patient requires basic safety measures to ensure they remain on the SmartStretcher.

SECONDARY (ORANGE)

Low level precautionary/supportive holds
User (risk of violence)

TERTIARY (RED)

Emergency response
User (violent / rescue & safeguarding of life and limb)

Training & Recommendations

Initial training and/or refresher training courses in the generic use of the SmartStretcher is available upon request from Emergency Protection Limited to individuals nominated by their purchasing authority. This training can then be cascaded to other members of staff within that authority. Training provided by Emergency Protection Limited will be validated, certified and recorded. A training DVD is available for course attendees. Please ask for more details.

It is recommended that the purchasing authority ensure that a similar audit trail exists for any training they cascade within their own organisation. We strongly recommend that you plan, undertake and record regular in-house training sessions to cover the application, operation and maintenance requirements for the safety of all concerned in accordance with your standing operational requirements but at no less than annual intervals.

Customer feedback

Your general comments, observations and suggestions as users are always welcome and are important to us as are any new situations where you have identified the SmartStretcher as being particularly useful. We also welcome your feedback on any improvements we may be able to incorporate in the future.

You can contact us:
via mobile on

0778 604 0502

by telephone on

0333 577 5699

or by email at

sales@emergencyprotection.co.uk

or visit our website

emergencyprotection.co.uk

We will always acknowledge any communication and provide feedback.

Our patient remained on SmartStretcher during the transfer and continued to be highly resistant throughout. However, the transfer was safely completed with no injuries to our patient or staff either observed or reported and the de-escalation process also having been successfully achieved we were able to allow our patient to safely get up from SmartStretcher and move “freely” about.



“

[illegible]



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