



Smart Solutions • For Life

USER MANUAL



Section One: Introduction



CAUTION

This User Manual contains several safety warnings at the applicable points. Read and understand all the warnings before using the **Xtract™SR System**.

This User Manual reflects the state of the product at the issue date, but enhancements while in service may mean that the User Manual does not precisely reflect the **Xtract™SR System** that you have.

TSG Associates LLP reserves the right to make changes without notice both to this User Manual and the products which it describes.

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Overview - Xtract™SR System



Obstacles to overcome:



Limited space
and weight



Rescuers'
fatigue



Continuing
care



Features
to cross



Making the
injury worse



Adverse
weather



WARNING

This User Manual contains general instructions on the use and maintenance of the product. The instructions do not cover all the possible applications and operations.

The safety information is provided as a service to the user and ensures only the minimum required level of safety to prevent injury to operators and casualties.

Any other safety measures implemented by the user must comply with applicable regulations, procedures and protocol. Before using the product, it is strongly recommended that staff be trained in its correct usage.

Retain this User Manual for future reference. In case of change of ownership, ensure that the User Manual remains with the product.

Additional copies can be obtained from TSG Associates LLP.

Overview - Xtract™SR System

The **Xtract™SR System** is a modular system that can be scaled to your mission requirements. Whatever the obstacles, the **Xtract™SR System** provides a solution.

Each module and component is designed to overcome obstacles. It's role in overcoming these is communicated by the icons below:-



Limited space and weight



Rescuers' fatigue



Continuing care



Features to cross



Making the injury worse



Adverse weather

The aim of the **Xtract™SR Stretcher** is to evacuate a casualty to a safe place whilst:

- Protecting against further injury.
- Maintaining care and treatment.
- Keeping the patient comfortable.
- Rescuers maintain optimal capabilities.
- Maximising core body temperature control.

Specification - Xtract™SR Stretcher

The Xtract™SR Stretcher

is our smallest, lightest solution, ideal for foot patrol operations and buddy rescue.



Xtract™SR Stretcher

NSN 6530-99-315-5529

Class 1 Medical Device

UDI - refer to website

Achieved a classification of 'non-ignition' when tested to EN 597-1:2015 assessment of the ignitability of mattresses and upholstered bed bases: ignition source: smouldering cigarette

Intellectual Property Rights

Patents and design rights apply,
for intellectual property
please refer to our website
www.tsgassociates.co.uk for details.

Obstacles to overcome:



Limited space
and weight



Rescuers'
fatigue



Continuing
care



Features
to cross



Making the
injury worse

Details	Value Metric	Value Imperial
Maximum load	250 kg	550 lbs
Dimensions packed	280 x 180 x 120 mm	11 x 7 x 5 in
Dimensions deployed	2690 x 1030 mm	106 x 41 in
Weight	1kg	2 lbs
Colour	Black	Black
Sterile	No	No



Specification - Xtract™SR Base

The **Xtract™SR Base** is a detachable insulated component, designed to help protect a casualty from environmental conditions and improve their comfort. It can come fitted to your **Xtract™SR Stretcher** or supplied as a stand alone individual component.



Obstacles to overcome:



Rescuers' fatigue



Continuing care

Xtract™SR Base

Part No 72110

NSN 5340-99-155-7863

Achieved a classification of 'non-ignition' when tested to EN 597-1:2015.

Intellectual Property Rights

Patents and design rights apply, for intellectual property please refer to our website www.tsgassociates.co.uk for details.

Details	Value Metric	Value Imperial
Dimensions packed	540 x 160 x 160 mm	21 x 6 x 6 in
Dimensions deployed	2210 x 540 mm	87 x 21 in
Weight	1.4 kg	3 lbs
Colour	Black	Black
Sterile	No	No




Specification - Xtract™SR Backpack


The **Xtract™SR Backpack** provides a practical rugged solution to carrying your **Xtract™SR Stretcher**. It can accommodate one **Xtract™SR Stretcher** with Base attached or five **Xtract™SR Stretchers**.



Obstacles to overcome:



Limited space and weight



Rescuers' fatigue



Features to cross

Details	Value Metric	Value Imperial
Maximum load	35 kg	77 lbs
Dimensions deployed	800 x 400 mm	31.5 x 15.5 in
Weight	0.86 kg	2 lbs
Colour	Black	Black
Sterile	No	No



Specification - Xtract™SR XStraps

The **Xtract™SR XStraps** are a utility tool designed to assist an evacuation and use of the **Xtract™SR Stretcher**.

Xtract™SR XStraps

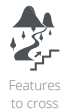
Part No 72105

NSN 5340-99-925-1991

Achieved a classification of 'non-ignition' when tested to EN 597-1:2015.



Obstacles to overcome:



EN 12275:2013B - Mountaineering equipment - Connectors - Safety requirements and test methods. UIAA121:2009 - Connectors and Carabiners.

Intellectual Property Rights

Patents and design rights apply, for intellectual property please refer to our website www.tsgassociates.co.uk for details.

Details	Value Metric	Value Imperial
Maximum load (per strap)	285 kg	628 lbs
Dimensions packed	130 x 70 x 38 mm	5 x 3 x 1 in
Dimensions deployed	2650 x 38 mm	104 x 1 in
Weight	0.27 kg	0.5 lbs
Colour	Black	Black
Sterile	No	No



Section Two: Xtract™SR Stretcher - Instructions

A modular system that can be scaled to your mission requirements.



Obstacles to overcome:



Limited space
and weight



Rescuers'
fatigue



Continuing
care



Features
to cross



Adverse
weather



WARNING

It is the responsibility of the user of lifting, rescue and safety equipment to obtain competent training, instruction and take adequate precautions for safety when using the equipment.

The use of the Xtract™SR Stretcher presumes that medical support is limited and the user has determined that the Xtract™SR Stretcher is the best method to move the casualty.

Suitability of the Xtract™SR Stretcher will vary according to the situation. There is no guarantee of the product's effectiveness in your specific working situation.

Medical device information



WARNING - Risk of product failure

Only use the **Xtract™SR Stretcher** for the purposes described in this User Manual. Do not use the **Xtract™SR Stretcher** for any other purposes.

TSG Associates LLP declares that under its sole responsibility both the **Xtract™SR Stretcher** and **Xtract™SR Afloat** comply with the UK Medical Devices Regulations 2002 (SI 2002 No 618 as amended) which were amended by the Medical Devices (Amendments etc.) (EU Exit) Regulations 2019 and the Medical Devices (Amendments etc.) (EU Exit) Regulations 2020.

TSG Associates LLP declares under its sole responsibility that the **Xtract™SR Stretcher** and **Xtract™SR Afloat** is in conformity with the applicable requirements of (EU) 2017/745 of the European Parliament and of the Council of 5 April 2017 concerning Medical Devices.

The EU Medical Device Directive - annex I, items 1 and 2, has been adhered to, in that:

The device has been designed and manufactured in such a way that, when used under the conditions and for the purposes intended, users will not compromise the clinical condition or the safety of the casualty, or the safety and health of users or other persons.

Solutions and mitigations to identify risks have been adopted by first seeking to eliminate or reduce the risk as far as possible, followed by adding protective measures. Finally by informing users of any residual risks due to any shortcomings of the adopted protective measures.

TSG Associates LLP declares that the **Xtract™SR** complies with the US Federal Act-21 CFR part 800.

Loading a casualty into the Xtract™SR Stretcher

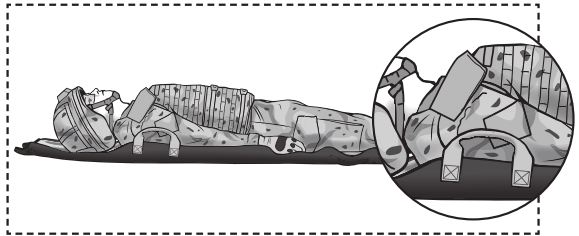


WARNING - Risk of injury

It is the rescuer's responsibility to assess the suitability of the Xtract™SR Stretcher for the evacuation of the casualty.

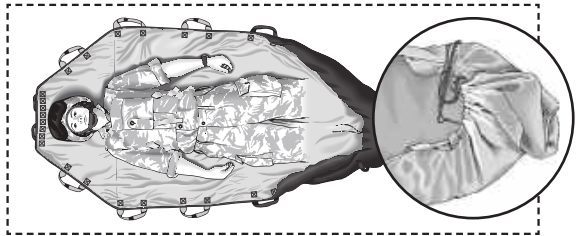
Place the **Xtract™SR Stretcher** adjacent to the casualty.

The casualty's shoulders should be aligned to the red shoulder handles.

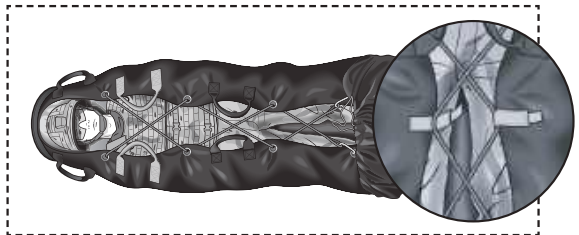


Position under the casualty.

Use the drawstring at the foot and head end to tighten the **Xtract™SR Stretcher** around the casualty until it fits securely.



Secure the **Xtract™SR Stretcher** by use of the “fast strap” bungees. Pass them across the casualty and secure firmly with velcro.



Dragging a casualty with the Xtract™SR Stretcher & Xtract™SR XStraps



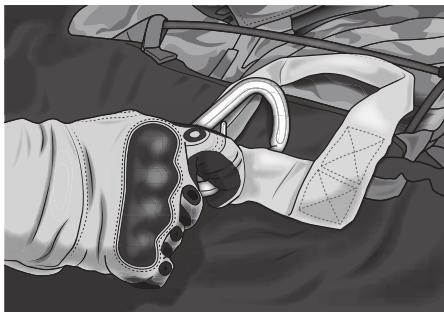
WARNING - Risk of serious injury

Dragging from shoulder handles should only be used with the **Xtract™SR Base** fitted correctly. There is a risk of serious head injury if this is not in place.

Load the casualty into the **Xtract™SR Stretcher** with a base attached.

Before using the **Xtract™SR XStraps**, complete the pre-requisites for use checks.

Clip a carabiner into the red shoulder handle towing loop.



Unroll the **Xtract™SR XStraps** and use to assist a drag extraction.



Lifting a casualty in the Xtract™SR Stretcher using the Xtract™SR XStraps

Load the casualty into the **Xtract™SR Stretcher**.

Before using the **Xtract™SR XStraps**, complete the pre-requisites for use.

Clip the carabiner into the red shoulder handle.

Select a loop on your **Xtract™SR XStrap** and place a carabiner through it.



Clip the carabiner into the green pelvis handle, this will create a loop in the webbing.

Pass the webbing strap over your shoulder.



As a team, slowly lift the casualty keeping your hands on the pelvis handles.

Additional rescuers may be required to assist the lift and align the casualty's position.



Xtract™SR Base – How to attach it to the Xtract™SR Stretcher



WARNING

Be careful not to cut any fabric when replacing the old **Xtract™SR Base** as this will result in the **Xtract™SR Stretcher** being rendered unusable.

The **Xtract™SR Base** is designed to be a replaceable component.

Before using the **Xtract™SR Base**, complete the pre-requisites for use.

Suitability for use remains solely with the rescuer.

Remove the old **Xtract™SR Base** by cutting the zip ties (be careful not to cut any fabric as this will result in the **Xtract™SR Stretcher** being rendered unusable).

Open your **Xtract™SR Stretcher** with the molle loop attachments facing upwards.

Align the new **Xtract™SR Base** with the molle loop.

Start by inserting and tightening with the zip ties first at the foot then the head end of the **Xtract™SR Stretcher**.

Complete the assembly by inserting the zip ties through every hole in the plastic base, ensuring that they are as tight as you can get them.

When completed check the assembly is secure.

NOTES

For best results zip ties should be inserted up through the molle loop first and then through the plastic base holes.

Excess zip tie plastic can be tucked between the base and plastic.

We do not recommend you cut the zip ties.



Xtract™SR Stretcher - Cleaning



WARNING - Damage to product

DO NOT use bleach, industrial detergent, acids, oxidising agent alkaline, caustic substances or boiling water on any **Xtract™SR Stretcher** products.

Xtract™SR Stretcher

General cleaning

Wash not exceeding 40°C by hand with pure soap and rinse in clean cold water.

Disinfecting;

Machine wash at 60°C with a mild domestic detergent (maximum of five times).

Xtract™SR Base

General cleaning;

Remove the **Xtract™SR Base** before general cleaning. Wash by hand, using warm water with a mild domestic detergent and single use cloth.

Disinfecting;

Remove from the **Xtract™SR Base** before disinfecting. If any of the absorbent surfaces are biologically contaminated it should be discarded and disposed of in a suitable manner.

Xtract™SR XStraps / Backpack / Equaliser Pouches / FM5 Stuff Sack

General cleaning;

Wash and clean by hand, not exceeding 30°C, with pure soap and rinse in clean cold water.

Disinfecting;

If the product is biologically contaminated it should be discarded and disposed of in a suitable manner.

Xtract™SR Stretcher - Inspection



WARNING - Risk of product failure

Pre-use and thorough inspections are essential.

The user's and casualty's safety depends on the continuing correct performance of the products.

Inspection

Equipment must be checked before and after each use to ensure it is serviceable and operates correctly.

Additionally, a thorough inspection must be carried out every six months by a competent person. A record of these checks should be kept.

Interim detailed inspections should be carried out where products are used intensively, or in particularly harsh environments.

Storage

All equipment must be clean and dry before storing.

Always allow to dry naturally away from direct heat.

Storage should be in a cool, dry, well-ventilated area away from excessive heat, humidity, sharp edges, corrosive, sunlight and other sources of UV light.

Xtract™SR Stretcher - Inspection

Product code	Product name	Batch number / UDI number	Product date
Record of inspection			
Date	Comments	Name / initials	Next due
Disinfection			
	Signature	Date	
1			
2			
3			
4			
5			