Product Record

This documentation should be issued with, and kept for, each item or system. Please see the product label for the details required below. Consult this guide for advice on inspection, maintenance, lifespan, etc.

Owner / User's Name:			
Date of Manufacture:		Date of Purchase:	
Date of First Used:		Product Serial No.:	

Inspection & Maintenance Record

Date & Time	Type of Inspection & Comments	Name & Signature of Inspector	Next Inspection Due

Certificate Of Conformity

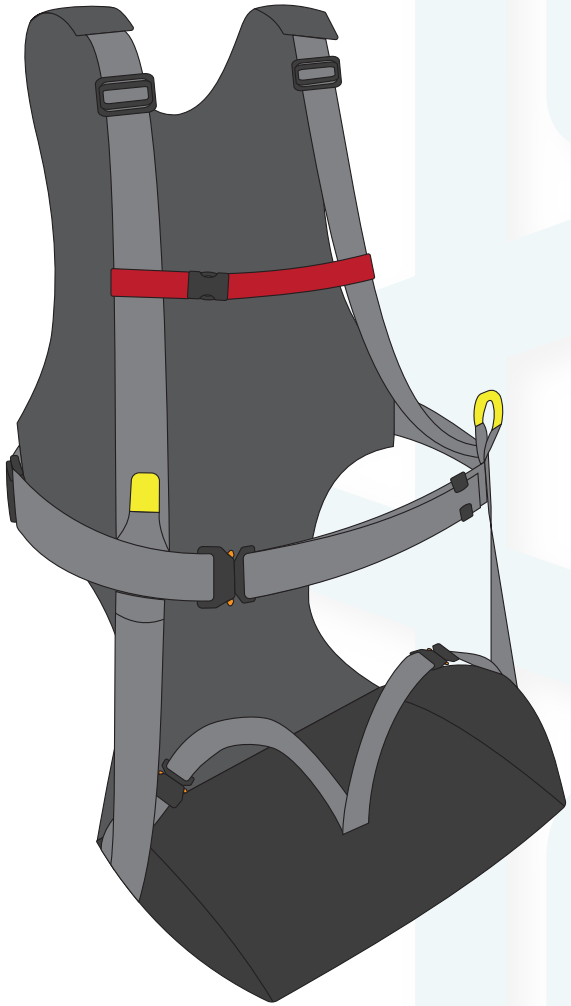
We confirm that the Hurricane Harness has been tested to the relevant sections of EN1651:1999 Paragliding Equipment - harnesses. It has been manufactured to the same high standards as all SAR Products equipment. The SAR Hurricane Harness is rated to 200kg.

Signature:..... For SAR Products

Specialist Access & Rescue Products Ltd.
Sarena House, Vulcan Street, Oldham, OL1 4LQ
+44 (0)161 621 0309 | sales@sar-products.com | www.sar-products.com

Specialist Access & Rescue Products Ltd.

User Guide
Hurricane Harness



Serial No.:					
Size:	1	2	3	4	5

sar-products.com
+44 (0)161 621 0309
sales@sar-products.com

Hurricane Harness

Important:
Please read and understand these instructions before use.
This product should only be used by trained & competent operatives, or under the supervision of such a person.

Use:
The Hurricane harness has been designed to be as accessible as possible for users who need more support than a standard harness can offer. Once fitted, the user can sit in the harness, or may walk / move around whilst wearing it.

There are 2 attachment points at the front of the harness which must be used together (Fig 1)

The rear red straps are grab handles ONLY and must not be used for attachment. (Fig 2)

This harness must only be used with an International Safety Components Ltd ZipSpeed Zipline Trolley and Stabiliser Bar KT761.

The Hurricane harness must be used for static loads ONLY; it is not designed or tested for dynamic loads (falls).

It is the user's responsibility to ensure that any items of PPE or other equipment used with the Hurricane are compatible and do not interfere with the safe function of any other component. Any item of equipment used must comply to the relevant standard(s).

Note: The information in this guide is not comprehensive and cannot be substituted for the correct training.

Safety:
The safety provided by the Hurricane harness is dependant on the scenario, the anchors used and the skill of the user. The strength and suitability will be reduced through factors such as, but not limited to, age, wear & tear, abrasion, cuts, high impact loads, tight/sharp edges, knots, some chemicals (e.g. strong alkalis), UV exposure, environment (damp or icy conditions), failure to store & maintain as recommended, etc.

An appropriate connection method must always be used between the harness and the anchor or system. The 2 front connection points must be used together.

The user must consult the instructions for any other components used in a fall protection system. A rescue plan should always be in place prior to any activity at height. Do not alter or repair the product in any way. Use in normal climatic conditions. Any component subjected to a dynamic loading should be examined and discarded if there is any sign of defect, or any doubts about its safety.

Lifespan
The lifespan of any product will be affected by the conditions in which it is used and stored/ maintained. This product is manufactured using high grade polyester webbing.
Textile components should be retired no later than 10 years after the Date of Manufacture.
Metal components will have an indefinite lifespan, depending on use. The working life will be reduced through general wear and tear, abrasion, cuts, damage to component parts, inappropriate ancillary equipment, high impact load, prolonged exposure to UV light including sunlight, elevated temperature (50° C max), exposure to some chemicals (e.g. strong alkalis) or failure to store and maintain as recommended. This list is not exhaustive.

Inspection
Before each use, conduct a visual inspection and function test to ensure the product is in serviceable condition and operates correctly. A periodic examination should be carried out at by a competent person at least every 12 months. These inspections should be recorded, paying particular attention to areas of potentially high wear such as attachment points, textiles, cams, bearings, etc. In the UK, the frequency of periodic inspection should be at least every 6 months; it is the user's responsibility to ensure they comply with the guidance for inspection in their own country or region.

Textiles: Check for cuts, tears & abrasions, damage due to deterioration, contact with heat, alkalis or other corrosives, label legibility.
Sewing: Check for broken, cut, loose or worn threads.
Metals: Check for cracks, distortion, corrosion, wear by abrasion, burrs, worn or loose rivets or screws, discolouration caused by extreme heat (greater than 100° C) broken springs, seizure of moving parts, broken or missing components, marking legibility.

Immediately withdraw from service any items showing defects. Any repairs must be carried out by the manufacturer or their authorised agent.

Anchorage
Anchor points should always be assessed for strength and suitability for the task (EN795, minimum 12kN). Sharp edges, abrasive or high temperature surfaces should be avoided or protected against. Anchor points, wherever possible, should be above the user.

Maintenance
Always keep the product clean and dry. Any excess moisture should be removed with a clean cloth and then allowed to dry naturally in a warm room away from direct heat.
Metal parts may be lubricated with a dry PTFE lubricant or WD40 type spray. Excess lubricant should be wiped off to avoid attracting dirt.

Cleaning
Rinse in clean cold water. If still soiled, wash in clean warm water (max. 40°C) with pure soap or a mild detergent (within pH range of 5.5 to 8.5). Rinse thoroughly in clean cold water.

Chemicals
Avoid contact with any chemicals which could affect the performance of the product. If contact occurs, or is suspected, then remove the product from service immediately.
If used in a marine environment, thoroughly rinse in clean cold water and dry after each use.

Storage
After cleaning, store unpacked in a cool, dry, dark place away from excessive heat sources or other possible causes of damage. Do not store wet. Transport in a suitable protective bag.
If a long shelf life is required it is advisable to store in a moisture proof package.

Warning
Activities at height are hazardous activities. It is the user's responsibility to ensure understanding of the correct and safe use of this equipment, to use it only for the purposes for which it is designed and to practise all proper safety procedures.
Attention should be paid to the dangers of suspension trauma.
The user shall ensure that the safe function of this product is not impaired by, and does not impair, the safe function of another component or system.

Sizing
XLarge - 1 Large - 2 Medium - 3 Small - 4 Child - 5

Markings
Each individual component is marked, where applicable, with:
- The name, trademark or any other means of identification provided by the manufacturer or supplier.
- The batch or serial number
- The date of manufacture (DoM)
- Product description and/or reference
- Size
- Load rating

Strengths quoted are when the product is tested new and are in accordance with the manufacturer's test methods to the appropriate standard. Any weights and measurements are within the standard's specified tolerances.

Specification
- Fully adjustable shoulders, waist and legs
- Padding
- Min user rating 30kg
- Max user rating 200kg

Fitting
1. Unpack the harness and lay it out so that all buckles are undone and there are no twists in the webbing.

2. Place each arm through the arm holes in the harness vest.

3. Fasten the leg strap buckles. Pull the straps backwards to tighten. Pull the buckle forwards to loosen.

4. Fasten the waist belt buckles and tighten in the same way.

5. Fasten the chest strap buckle and tighten in the same way.

6. Tighten the shoulder straps in the same way.

7. Once fitted, check for any twists, that all buckles are fastened correctly, any excess webbing is secured back through the plastic or elastic tidies, attachment points are positioned correctly, overall fit is snug but not over-tight or too loose.

Attachment
1. Four twin eye lanyards are provided – connectors ARE NOT provided as standard. Use 2 off 10mm Delta Maillon Rapide and 3 off Steel HMS Triple Action Karabiners

2. Attach a delta mallion to each side of the coloured attachment points of the harness

3. Attach the twin eye lanyards as shown in Fig 3

4. Locate the karabiner of each single lanyards to the protruding handle bar type attachment point on each side of the zipline trolly and lock gate

5. Locate the karabiner of the central lanyards into the hole in the centre of the zipline trolly and lock gate

Finally, always ask another operative to conduct a buddy check to ensure all of the above is correct before committing to height. Buckles and fit should be regularly checked during use.

Fig 1

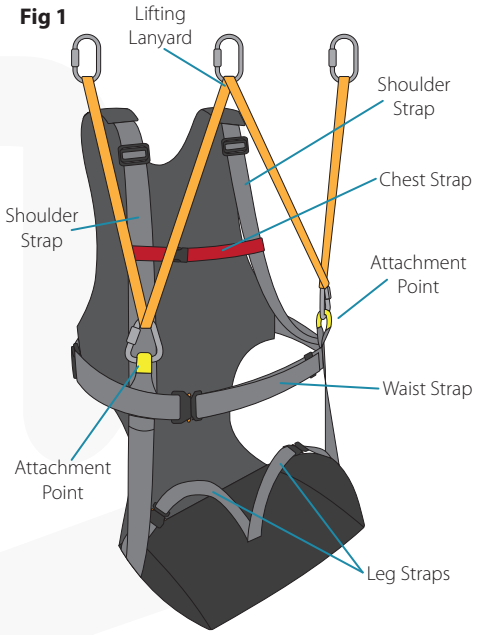


Fig 2

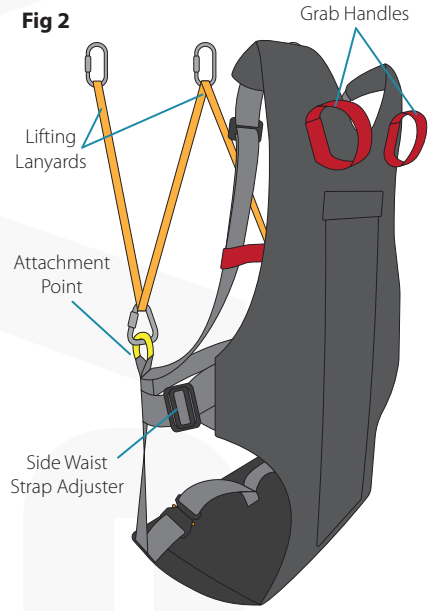
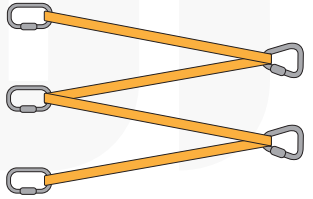
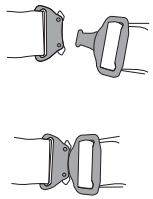


Fig 3



Buckle Fitting