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

There is no applicable EN standard for steep ground anchors, however, SAR Ground Spiders are manufactured & tested to the same high specifications as all of our products.

Where relevant, components comply to the applicable Standards.

Signature:..... For SAR Products Ltd

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User Guide
Ground Spider

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Important:
Please read, study 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
SAR Ground Spiders are a lightweight, extremely portable temporary steep ground anchor for rope systems. They are primarily used by small, self-reliant teams who operate in remote areas, for example mountain rescue teams, or specialist military units.
Depending on terrain and usage, they may be installed as a single unit, or they may be joined with multiple other Spiders to form an anchor system.

Note: The information in this guide is not comprehensive and cannot be substituted for the correct training or instruction, which can be provided if required. If in any doubt, contact SAR Products using the supplied information.

NOTE: Due to the nature of the materials the Ground Spiders are made from, care must be taken when setting them. We recommend using a rubber or nylon headed hammer for installation.
The spikes of the Ground Spiders must be fully inserted into good ground for them to be effective.

Safety
The safety provided by the Ground Spiders are dependant on the ground make-up, conditions, scenario and the skill of the user. The type of ground that Spiders are installed into has a significant impact on their strength as an anchor.
The strength and suitability of the materials 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, failure to store & maintain as recommended, etc.
Do not alter or repair the product in any way.
A rescue plan should always be in place prior to any work at height.
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. The individual components are made from polyester, aluminium, stainless steel or a combination of these materials.
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.
Stitching: 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.

The 18mm webbing sling that connects the individual Ground Spiders together may be replaced by the user with any SAR 18mm webbing sling of more than 30cm circular length. Contact us for further advice.

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

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.

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 components may be lubricated with a dry PTFE lubricant or WD40 type spray. Excess lubricant should be wiped off to avoid attracting dirt.

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.
If a long shelf life is required it is advisable to store in a moisture proof package.

Warning
Work at Height and Rescue 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.
This product is not suitable for fall arrest or dynamic loading.
The time that a casualty is suspended should be kept to a minimum.
Attention should be paid to the dangers 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.

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, product description and/or reference
- The EN standard(s) to which the item conforms
- CE/UKCA mark & approved/notified body number

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.

It is essential for the safety of the user that if the product is re-sold outside the original country of destination the reseller shall provide instructions for use, for maintenance, for periodic examination and for repair in the language of the country in which the product is to be used.

Nothing in this document affects the consumer's statutory rights.

Deployment:
- Ground Spiders should be installed with the top bar parallel to the ground. Fig. 1.
- The spread of the Ground Spiders should be no more than 90º. Fig. 3
- When used with other Ground Spiders to create an anchor system, they should be set at least one metre apart in good ground.
- It is recommended that the Ground Spiders are monitored as load is applied, and during use.

Fig. 1

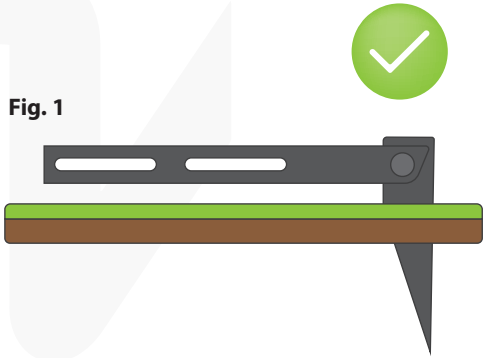

Fig. 2

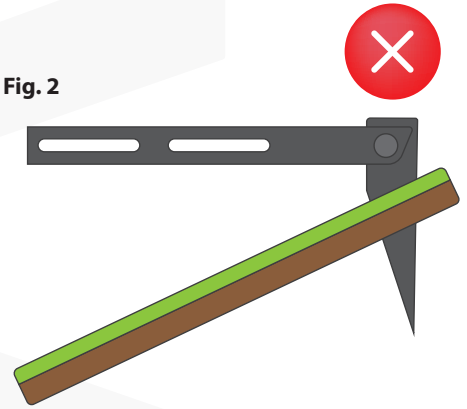

Fig. 3