Safehold
HEIGHT SAFETY & LIFTING GEAR

Horizontal Web lifeline Instruction Manual

Read and understand instructions before using this equipment
Do not throw instructions away
Designed in the UK

SHUM-051 Iss 02

Contents

ABOUT & WARNING

The SafeHold Webbing Temporary Horizontal Lifeline

This manual covers all variants within the lifeline range.

⚠ **Warning :** Working at height is a very dangerous activity which may lead to severe injury or fatality. We advise that you personally assume the responsibility to learn and use the safety measures that apply to this equipment. Remember that there is no better "instruction" than that of a trained instructor. Train in the use of this device, verify that you have fully understood how it works and if in any doubt, please ask a competent person!

Don't make any alterations or additions to the equipment without the manufacturer's prior written consent.

The products shall not be used outside of its limitations, or for any purpose other than that for which it is intended.

It is essential for the safety of the user that if the product is re-sold outside of the UK, 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.

If there is reason to doubt your fitness to safely absorb the shock from a fall arrest, please consult your doctor. Age and fitness seriously affect a worker's ability to withstand falls. Pregnant women or minors must not use it.

This personal protective equipment is designed and used as part of a fall protection system to protect users against falls from heights in working areas and is meant to be used with other certificated components.

User must read, understand and observe these instructions for use.

Risk Statement

The horizontal lifeline is designed to protect against falls from height of up to four users by providing an anchorage for the attachment of PPE, in addition it is also able to prevent falls from height by providing an anchorage point for a restraint or work positioning system. The energy absorber reduces peak forces transmitted during a fall to the anchorage structure.

Applicable Safety Standards

When used in accordance with the instructions for use, this product meets all requirements of harmonised standard EN795:2012 Type B (single user) as declared by EU-type examination (Module B) certificate.

In addition, this product has been independently assessed to meet the requirements of EN 795:2012 Type C (for 1 user) and PD CEN/ TS 16415:2013 Type B & C (for 4 users), although this is outside of the Module B certification. Applicable standards and regulations depend on the type of work being done, and also might include further local regulations if applicable. Consult regulatory agencies for more information on personal fall arrest systems and associated components.

DESCRIPTION

Part No.	31603
Material	Polyester webbing
Standards	EN795:2012 Type B PD CEN/TS16415:2013 Type B & C
Max. user weight	100kg including clothes and equipment
Max. number of user	4 (Max 400kg total)
Max length	20m

APPLICATIONS & USING THE LIFELINE

Personal Fall Arrest:
Web HLL may be used to support a MAXIMUM 4 Personal Fall Arrest System (PFAS) for use in Fall Arrest applications. Maximum free fall is 1.8m, or up to 3.6m if used in combination with equipment explicitly certified for such use. When the Web HLL is to be used as part of a fall arrest system the user must be equipped with a means of limiting the maximum dynamic forces exerted on the user during the arrest of a fall to a maximum of 6kN. During a fall, the Web HLL will deploy an extending energy absorber designed to reduce peak loads to anchorage structures, thereby increasing the length of the anchorage line. Extra care and consideration should be taken when determining the suitability of other types of fall protection systems which may be affected by the deployment of the integrated lifeline energy absorber.

Restraint:
Web HLL may be used in Restraint applications. Restraint systems prevent workers from reaching the leading edge of a fall hazard. Always account for fully deployed length of lanyard/SRL. No free fall is permitted. Restraint systems may only be used on surfaces with slopes up to 4/12 (vertical/horizontal).

WARNING !

The Competent Person must ensure that there are sufficiently strong and accessible anchorage points in the working environment. Anchorages should be overhead when possible and the area beneath and around them should be clear of obstruction and sharp edges. Always attach to an anchorage that is as close to the point of work and as high above head as possible without restricting free movement. The user should be aware at all times of which attachment points to use; if not immediate obvious they must seek confirmation from the Competent Person. Always ensure that the means of attachment to the anchorage is secure before beginning work.

Use of equipment in unintended applications may result in seriousinjury or death. Maximum 1 attachment per connection point.
For use in personal fall protection systems only. NEVER use Web HLL for material handling/lifting.

LIMITATIONS

Capacity:

User weight range (including all clothing, tools, and equipment) is 59-100 kg per worker.

Structure must be capable of withstanding a minimum 22 kN (for four users).

Anchorage connectors to which Web HLL is attached must be capable of withstanding a minimum load of 22 kN.

Maximum load that could be transmitted in service from the anchorage connector to the structure: 11 kN.

Loading of the structure will be in-line/parallel with the Web HLL lifeline.

Anchorage Connectors

SafeHold equipment is designed for use with SafeHold approved components and subsystems only. Non-approved components or subsystems may jeopardise the compatibility of equipment and may affect the complete system. Connectors (hooks, carabiners, and D-rings) must be capable of supporting at least 22kN or 5000lbs. Non-compatible connectors may unintentionally disengage.

Connecting component limitations:

A competent person must ensure the compatibility of all connections and that of the system.

If any other component in the system does not operate properly or if any connector does not lock, do not use the system.

Do not use if any part of the system appears to be damaged.

All connector gates must withstand minimum loads of 16kN / 3,600 lbs.

This life line is suitable for use with;

Connectors in accordance with EN362

Full Body Harnesses in accordance with EN361

Safehold Fall Arrest Blocks in accordance with EN360

Anchor slings in accordance with EN795

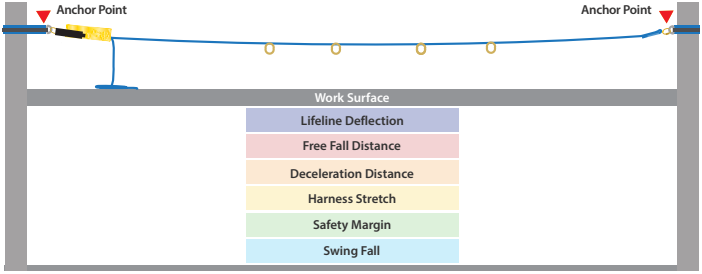
Minimum Breaking Load of 22kN

LIMITATIONS

Fall Clearance: There must be sufficient clearance below the work surface to arrest a fall before the user strikes the ground or an obstruction. When calculating fall clearance, account for a MINIMUM 1m safety factor, deceleration distance, user height, length of lanyard/SRL, harness stretch, free fall, and all other applicable factors.

Diagram shown is an example fall clearance calculation ONLY.

Swing Falls: Prior to installation or use, make considerations for eliminating or minimising all swing fall hazards. Swing falls occur when the anchor is not directly above the location where a fall occurs. Always work as close to in line with the anchor point as possible. Swing falls significantly increase the likelihood of serious injury or death in the event of a fall.



DEFLECTION

Deflection at minimum span length:
1 user: .50m 3 user: .98m
2 users: .77m 4 users: 1.m

Deflection at maximum span length:
1 user: 2.35m 3 user: 2.95m
2 users: 2.65m 4 users: 3.25m

The Web HLL is recommended for use with the following products. Please contact SAFEHOLD with questions relating to product compatibility.

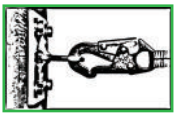
• Retractable type fall arrester compliant with EN360:2002. • Shock absorbing lanyard compliant with EN355:2002 (& EN354:2010 if applicable). • Restraint lanyard compliant with EN354:2010 (& EN358:2018 if applicable). • Anchor systems compliant with EN795:2012. • Work Positioning devices compliant with EN358:2018. • Harnesses compliant with EN361:2002.

COMPATIBILITY

Compatibility: When making connections with Web HLL, eliminate all possibility of roll-out. Roll-out occurs when interference between a hook and the attachment point causes the hook gate to unintentionally open and release. All connections must be selected and deemed compatible with Web HLL by a Competent Person. All hooks must be EN 362:2004 approved. See the following for highlights of compatible/ incompatible connections:

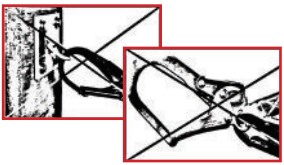
Warning!: If the user weighs between 100kg-140kg, check all PPE equipment in the personal fall arrest system for use in fall arrest, restraint or work positioning is rated to the increased max user weight up to 140kg for the relevant standards as listed on this page. If a single user weighs more than 100kg as per system rating, the increased user weight MUST be deducted from the overall system rating. DO NOT EXCEED 400kg total USER WEIGHT.

Connector closed and locked in D-ring. OK.



Connector on to integral lanyard. NO.

Incompatible or irregular connection, which may increase risk of roll-out. NO.



Connector direct on to webbing. NO.

Two connectors to same Anchor. NO.

Two or more snap hooks or carabiners connected to each other. NO.

PRODUCT SPECIFICATION

Horizontal Lifeline - Technical Sales Sheet: 51

Product Code: SHWTL-01

Standards: EN795:2012 Type B & C

Product Features

- For use in fall arrest and fall restraint
- Easy connect O rings
- Built in shock pack to limit forces on anchor points
- Swivel hook both ends
- Carry bag holds excess webbing during use
- Simple ratchet with easy install webbing
- RFID options available
- Comes with two anchor straps

Product Specification

- Maximum working length: 20m
- Maximum number of users: 4
- User capacity: 100kg (per user, 400kg max Combined)
- Webbing material: polyester
- Connector/ratchet material: zinc plated steel
- Webbing width: 35mm
- System weight: 4.85kg

CE UK CA RiConnect

Prior to Installation:

Ensure the area beneath and around you are free from obstructions. Check the anchors are in the most elevated position and free from damage. If in any doubt DO NOT USE. See advice from a competent person.

ONLY use approved SAFEHOLD products. The use of unapproved devices may impair the system performance and safety.

INSTALLATION & SAFE USE

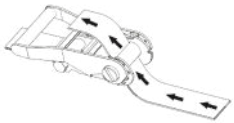
1. Web HLL should only be installed horizontally and NOT at any other angle.

2. Web HLL should not be used in combination with pass-through anchors.

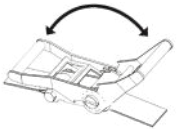
3. Determine correct system length (maximum 20m) and anchor point installation locations. Anchor points should be directly across from each other, so that Web HLL will be completely level and should not slope in any way once installed.

4. Install Anchor Straps around suitable structural anchors locations, as determined by a Competent Person. Note: it is also permitted to connect the Web HLL to anchorage connectors other than the Anchor Straps, but you must ensure the anchorage connectors are deemed compatible with

Close handle, ensure webbing is NOT twisted and Insert free end of webbing through barrel.

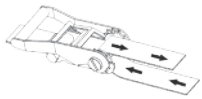


Tension using handle back and forth until handle is stiff to pull. Ensuring the webbing remains central to the barrel and does not foul on the release handle bar or ratchet teeth. If the dia. becomes too large before sufficient tension is achieved, release and start again with less free webbing. ALWAYS ensure MIN of 2 ¼ turns of the ratchet barrel.

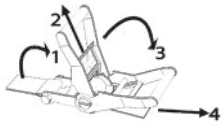


CAUTION! DO NOT ATTEMPT TO ADD TENSION VIA ANY EXTENDED LEVER.

Pull webbing back through barrel away from ratchet handle, as shown below. All slack should be removed but sufficient free webbing left to allow a MIN of 2 ¼ turns of the ratchet barrel.



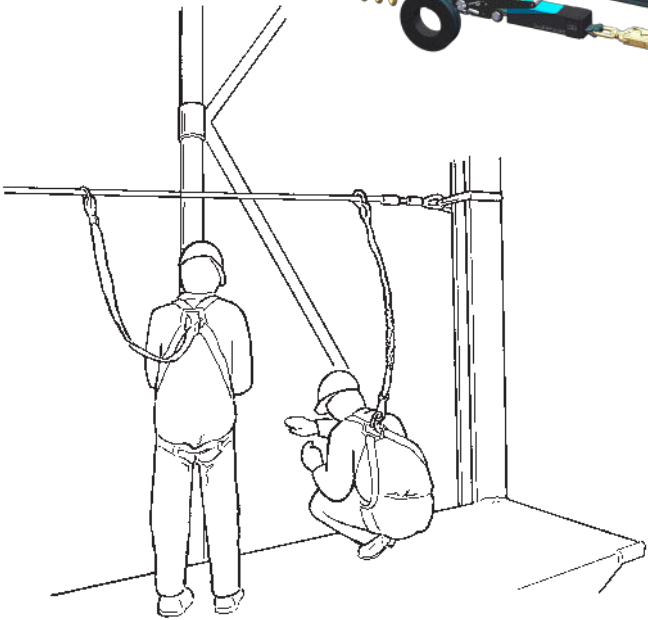
To release the ratchet, open handle fully (1) and carefully pull the release bar (3), then open handle till it passes the release cam (2). Caution should be taken to ensure the load does not come free and the residual webbing tension is released under control. Keep fingers and any items which could become entangled in the releasing ratchet clear.



INSTALLATION & SAFE USE

System components

Storage Bag, 2 x anchor straps, 20m web lifeline and tensioner. 4 x connection rings.



MAINTENANCE, SERVICING & STORAGE

Cleaning: Ensure the Web Lifeline is kept free of excess paint, grease, dirt or other contaminants as this may cause the damage to the device. Use a mild detergent and water to clean the anchor sling and allow to dry naturally. A clean fall arrest device is easier to inspect and will prolong its life.

DO NOT use heat to dry.

Storage: Store in a clean dry place away from hazards such as chemicals, sharp objects, moisture, direct sunlight and heat. The anchor sling must ALWAYS be stored with its instructions and record card. Never leave the anchor sling lying around on a site.

Servicing: The Web Lifeline is a non-serviceable item and must be destroyed and disposed of when it fails ANY inspection. The steel components can be safety recycled and the webbing can be returned to Safehold for energy recovery. The equipment could still be misused and we do promote safe and sustainable disposal only. Always keep a record of disposal.

Disposal: Dispose of the Anchor sling if it has been subjected to fall arrest forces or inspection reveals an unsafe or defective condition. Before disposing of the Anchor sling, cut the webbing in multiple places to eliminate the possibility of inadvertent reuse.

After a Fall: If a fall event occurs, tag the lanyard as "UNUSABLE", remove it from service, and store it separately. Remove from service any unit that has been subjected to fall arrest forces or that exhibits damage consistent with such forces.

Notes:

1. Failure of a worker to perform (before each use) inspection or failure of an inspection by a worker shall initiate the requirement for inspection by a competent person.
2. Failure of a competent person to perform inspections as specified in this Table, or failure of an inspection by the competent person shall initiate product disposal.
3. Determination of the type of use category shall be determined by a competent person.

MAINTENANCE, SERVICING & STORAGE

Product Life:

The functional life of a Anchor sling is ten years from the first date of use provided all checks are passed as per this manual. The lifespan can be affected by, and not limited to, conditions of use, storage, maintenance, environment and regularity of use. HSE guidelines in INDG367 must be adhered to.

APPLICATIONS

Purpose:

This product is part of a personal fall arrest, restraint, work positioning, suspension, or rescue system.

A personal fall arrest system (PFAS) is typically composed of an anchorage or lifeline and a full body harness (SHBH), with a connecting device, i.e. a shock absorbing lanyard (SHFAL), or a self-retracting device (SRL/RTFA) or a restraint lanyard (SHRL) attached to the dorsal D-ring of the SHBH.

Web Lifelines are designed for use in applications where falls could occur.

Web Lifelines MUST be used in conjunction with a harness and approved connecting device.

DO NOT USE UNAPPROVED DEVICES TO CONNECT TO THIS LIFELINE.

A suitable rescue plan must be made in case of a fall and made available to everyone on site.

STANDARDS

The EU type-examination (Module B) and conformity assessment procedure (Module D) were conducted CCQS Certification Services Limited, Block 1 Blanchardstown Corporate Park, Ballycoolin Road, Blanchardstown, Dublin 15 D15 AKK1, Ireland (NB2834).

The products are compliant with Personal Protective Equipment (PPE) regulation (EU) 2016/425, the Regulation 2016/425 on personal protective equipment as brought into UK law and amended, and the following standards.

The Safehold Anchor range has been designed to meet the requirements of EN795:2012 as a minimum

The EU declaration of conformity is accompanying each product.

SAFEY NOTICE & WARNINGS!

Failure to understand and comply with safety regulations could result in serious injury or death.

Equipment Handling: Please refrain from altering or misusing any equipment.

Workplace Assessment: A Competent Person must evaluate workplace conditions, which may include but are not limited to factors like high temperatures, corrosive chemicals, electrical hazards, sharp objects, machinery, uneven surfaces, UV exposure, and adverse weather conditions. These conditions could potentially impact the performance and lifespan of safety equipment.

Fall Hazard Analysis: Before selecting fall protection equipment, a Competent Person should anticipate where workers will be performing their tasks, the routes they will take, and any existing or potential fall hazards in the area.

Equipment Selection: All fall protection equipment should be purchased new and in unused condition. The choice of equipment should be made by a Competent Person, taking into account all possible hazardous workplace conditions.

Installation and Compliance: Fall protection systems must be selected, installed, and used under the supervision of a Competent Person while adhering to federal, state, and safety regulations. The forces applied to anchors should be calculated by a Competent Person.

Harness and Connector Compatibility: Harnesses and connectors must conform to the manufacturer's instructions and be of compatible size and configuration. Snap hooks, karabiners, and other connectors should be selected and used in a compatible manner, ensuring there is no risk of disengagement.

Rescue Planning: A project-specific rescue procedure in case of a fall is mandatory. It should allow employees to rescue themselves or provide an alternative means for prompt rescue. Rescue equipment should be stored in an easily accessible and clearly marked location.

Training Requirements: A Competent Person should provide training for Authorised Persons on the correct erection, disassembly, inspection, maintenance, storage, and usage of equipment. Training must also cover fall hazard recognition, hazard minimization, and the proper use of personal fall arrest systems.

Prohibited Uses: Never use fall protection equipment for hanging, lifting, supporting, or hoisting tools or equipment unless it is explicitly certified for such purposes.

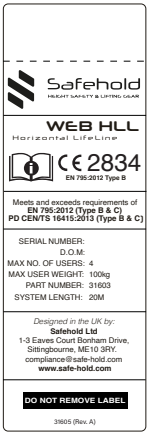
Equipment Inspection: Any equipment exposed to fall arrest forces should be immediately taken out of service.

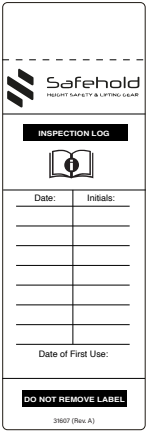
Worker Considerations: Age, fitness, and health conditions can significantly impact a worker's ability to withstand fall arrest forces or properly use equipment. Consult a doctor if there are doubts about a user's suitability for such work, especially in the case of pregnant women and minors.

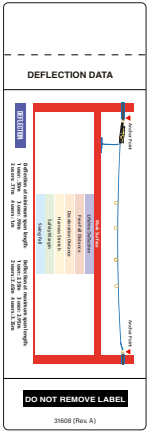
Post-Fall Suspension: Even if fall safety equipment functions correctly, there is still a risk of injury. Sustained post-fall suspension can lead to serious harm or death. To mitigate this risk, use trauma relief straps to reduce the effects of suspension trauma.

LABELS

See below for a typical Web HLL label. All labels on the device must be present and fully legible.







SERVICE LOG

Safehold LTD **www.safe-hold.com**

Model #: **User:**

Serial No: **Date of first use:**

Date of manufacture: ☐ **Pass** ☐ **Fail**

Date	Results/Condition:	Inspected by:	Next Inspection Date:

Component	Inspection:	User	Competent Person
Webbing	Ensure webbing is free from cuts, abrasion, wear and tear and deployment.		
	Check the weave of the webbing for distortion resulting from loading.		
	Melted webbing or any other signs of either heat or chemical exposure		
Sewing / thread	Any loose / damaged / uneven threads		
Labelling	Ensure all labelling is legible and undamaged		
Associated Equipment	Aditional Fall protection equipment that is used with the product is installed and inspected as per manufacturers instructions		
If the product fails the inspection proceedure remove from service immediatly. Clearly tag the product "DO NOT USE" in the event of failure.			

Comments:

EU DECLARATION OF CONFORMITY

This declaration of conformity is issued under the sole responsibility of the manufacturer: **SAFEHOLD LTD***:* 1-3 Eaves Court Bonham Drive, Sittingbourne, ME10 3RY.
compliance@safe-hold.com +44 (0) 1795 668862
Model No. 31603

Product Code	Description
31603	Web Lifeline SHWTL-01 Temporary Web Lifeline Kit 20m

The EU type-examination (Module B) and conformity assessment procedure (Module D) were conducted CCQS Certification Services Limited, Block 1 Blanchardstown Corporate Park, Ballycoolin Road, Blanchardstown, Dublin 15 D15 AKK1, Ireland (NB2834).

We hereby declare that the above referenced product, to which this declaration relates, is in conformity with the provisions of:
PPE Regulation 2016/425 - Standard EN EN795:2012 TypeC

PD CEN/TS16415:2013 Type B & C

SAFEHOLD LTD.

CE 2834

Name: ***Oliver Auston*** **Position:** ***CEO*** **Date:** ***01/08/2023***

Safehold

HEIGHT SAFETY & LIFTING GEAR

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