



USER INSTRUCTION MANUAL

DESCRIPTION: ROPE TEMPORARY LIFELINE FOR
FOR UPTO FOUR PERSONNEL

MODEL: US-96964-80

MEETS OSHA & ANSI Z359.1



1-800-850-5914
PHOENIX, AZ USA

WATCH VIDEO 11 ON ULTRASAFEUSA.COM



**TEMPORARY
HORIZONTAL
LIFELINE (THL)**

The Ultra-Safe THL has been designed for your safety.

This temporary lifeline system is designed to offer users a flexible anchorage between two structures. The lines can be used can also be used to provide a temporary handrail or barrier system.

STORAGE, ISSUE & INSPECTION

Storage

Storage in a central protected location allows assurance of inspection on issue and return.

This device should be stored in a clean dry place where it can be protected from damage by chemical attack and sharp objects . It should be stored with its instructions and record card at all times.

After use return to storage, Never leave the device lying around site.

Issue

This and associated equipment must be visually inspected by a competent person when initially delivered to site, there after the product must be inspected before and after use. A

record card is printed on the reverse of this manual and should be updated after each routine inspection. Follow the points laid down in the section headed "Inspection" without deviation.

The supervisor must ensure that the equipment is being used correctly and that the user is aware of its safe use and inspection. Additionally the supervisor must ensure that the anchorages that the system is to be installed from are sound and tested in accordance with current legislation and this manual.

Inspection

- Inspect the device for corrosion or damage.
- Check the cheek plates for signs of distortion.
- Ensure location spigots are not damaged and that the cheek plate can freely locate.
- Ensure tension handle springs shut and disengages fully when released.
- Ensure the swivel element is free to swivel and there are no cracks or structural defects.
- Inspect both webbing and rope along the entire length for cuts, abrasions and contamination. If in doubt quarantine and remove from service.

Ensure that device certification is current before use, the device must have been serviced within the last 12 months and 6 months if used in corrosive or off-shore environments.

If for any reason the inspection of this device shows signs for concern or doubt then the device must be quarantined and removed from service immediately. Qualification should be sought from the supervisor and if still concerned the device must be sent to the supplier, an approved service agent or the manufacturer for service and re-calibration.

**THIS DEVICE MUST ONLY BE SERVICED
BY A TRAINED AND COMPETENT
INDIVIDUAL, NEVER ATTEMPT TO
SERVICETHIS UNIT OR TAMPER WITH ITS
FUNCTION IN ANY WAY.**



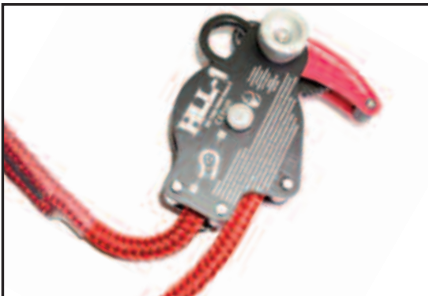
1. Loosen hand nut and Split Housing Plates. Pull back cam and lever.



2. Wrap the anchor end of the rope around the drum, taking note of the diagram.



3. Press the rope into the recess in the drum and then lay the rope in-between the two bottom guides.



4. Reposition the housing plates, ensure that the plate sits squarely on the pins, Once aligned tighten the hand nut to secure the plates in position.



5. With a min 30kN carabiner and strop as required attach the eye of the rope to one anchorage, with a second carabiner on the cam of the tensioner secure this to the second anchorage.



6. Pull initial slack through the tensioner by hand, check that the rope is sitting in the groove of the drum at this time. If the rope is trapped between the cam and the side of the drum, release the cam by hand and pull on the rope till it slips back into the centre of the drum.



7. Compress the tension handle towards the device, whilst turning to align the square drive, and hold in place.

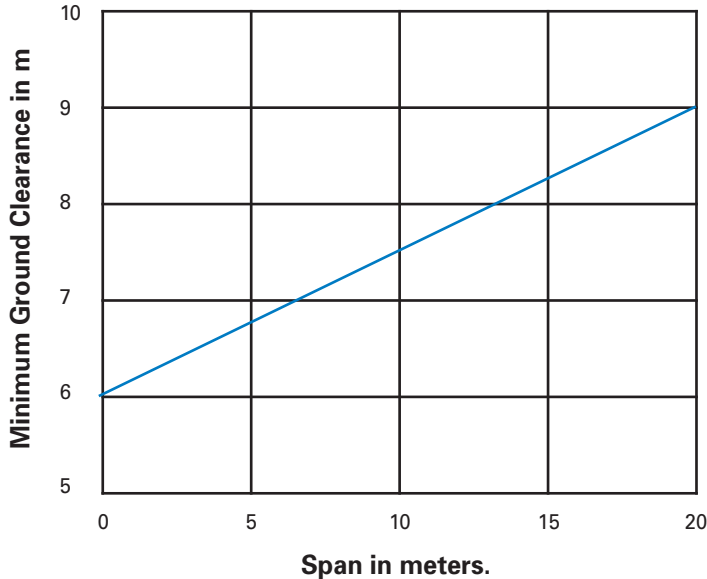


8. To achieve correct system tension, unfold the tensioning handle, compress the centre of the arm and turn in an anti-clockwise direction until the lifeline becomes taught enough to hold and arrest a fall or the rope begins to slip. **Do not force the handle.** Do not try to reverse wind the tensioner, the cam will lock and resist any rotation in this direction. Check that the hand nut is tight.



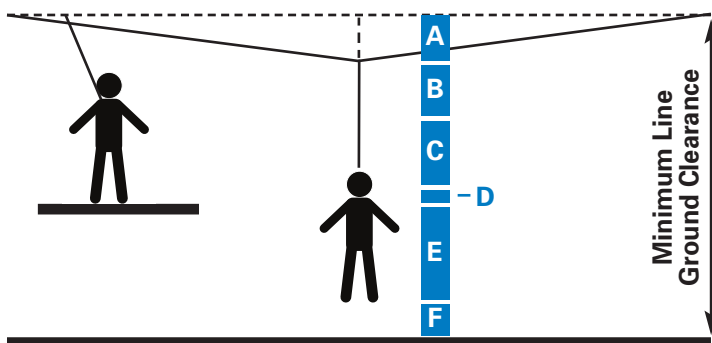
9. Decommissioning is easily achieved by partially loosening the hand nut and pulling back the tension release lever, allowing the rope to slip through the device. **Warning:** Ensure the handle is disengaged allowing the shaft to rotate independently from the handle arm before releasing tension. On releasing the rope check the rope at the point of the tensioner to ensure that wear and tear during use has not separated the fibers of the rope's protective sheath.

MIN GROUND CLEARANCE (MGC) CHART



Note: All MGC's are Ground Clearance from the THLL line to the ground, and based on a 220lbs mass on a 6' SAL or PAL. Estimations on the individual components of the fall are listed below.

If you are outside of this chart or estimations, please contact Ultra-Safe.



- A. Line Sag = 15%
- B. Lanyard Length = 6' 3"
- C. Lanyard Ext. = 3' 6"
- D. Rear D-Ext or Tightening = 1' 6"
- E. Rear D Height = 60"
- F. Safety Factor = 3' 3"

ANCHORAGE, COMPATIBILITY & WARNINGS

4.1 Anchorage

- Anchorages should be sufficiently strong enough to withstand an impact load of 5000lbs.
- Lifeline should always be at or above 42" from working platform.
- Never wrap the webbing or rope back on itself to form a choke loop.
- Never anchor over sharp edges.

4.2 Use - Fall Protection

- Check the anchorages to ensure they have not been damaged, follow the inspection routine laid down in this manual.
- Refer to the MGC graph in this manual for detail on safe ground clearance.
- Always check the area below is free from obstruction.
- Always check end terminations and karabiners before use. Check all cams, tension handles and gates on carabiners are closed.
- Only use Ultra-Safe approved products see guide under Compatibility.
- Never over tighten the THLL, winch tight is sufficient.

4.3 Compatibility

- The HLL's are suitable for fall arrest when used with a Full Body Harness to Z359.1, such as the Ultra-Safe PBH range. Suitable lanyards for connection are Type SAL, PAL, RAL and RL2.
- Compatible Fall Arrest Blocks to Z359.14 Class B(LE).
- This unit is not suitable for use in explosive environments.
- If in doubt contact your approved Ultra-Safe technical support for further details.



4.4 Warnings!

- Read and understand manufacturers instructions before inspection, installation or use of this product.
- Only use approved equipment with THLL's.
- If there are any points in this manual that you are unsure of seek a competent, trained person to advise you before using.
- Seek medical advice from a doctor before using this product if, you have sustained a spinal injury, suffer from a neck or back complaint, or you are taking prescription medication.
- Never use if you are under the influence of alcohol or recreational drugs.
- Consult your doctor if you are taking prescription medication before using this equipment.
- Heat and sparks will damage this device.

QUALITY, LEGISLATION & EXCLUSIONS

5.1 Quality

All Ultra-Safe products are manufactured under ISO 9001:2008 and to the highest standards. The scope of use within the certification held allows Ultra-Safe to design, manufacture and test Personal Protection Equipment. Horizontal tensile test machine, abrasion testers and dynamic drop test rig are just part of the full range of test facilities used to ensure ultimate safety of our product range.

All Ultra-Safe systems must only be installed by Ultra-Safe personal or an approved installer. Strict training is given and written exam are completed before full certification can be given to installers.

5.2 Legislation and Standards

The Ultra-Safe Temporary Lifeline has been designed to meet OSHA & ANSI Z359.1. For clarification on any certification issues contact Ultra-Safe.

5.3 Exclusions

Ultra-Safe holds product liability cover for your safety. Ultra-Safe will NOT however be responsible for;

- a) users who are out of the scope of any written manuals of training given.
- b) any systems that have NOT been inspected under the current legislation.
- c) operators who do not use load limiting devices.
- d) devices that have been damaged.
- e) when the Max weight in lbs has been exceeded.
- f) devices that have NO serial number markings, and the manufacturers name is not present.

DATE	CONDITION OF SYSTEM	INSPECTED BY