

# GUARDIAN<sup>o</sup>

FALL PROTECTION

30800  
User Manual

**PERFORMANCE SAFETY GEAR**



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**Introduction to 4 Man HLL  
& Scope of Use**

**Section 1.0**

Guardian Temporary Horizontal Lifeline 30800

The Guardian 30800 has been designed for your safety.

These temporary lifeline systems are 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.

30800



System	Recommended Users	Maximum Users
HLL1	2	4



## Storage, Issue & Inspection

## Section 2.0

### 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 the store, 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. An inspection chart is printed on the reverse of this 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 the swivel socket if fitted is captivated by grub screw is free to swivel and there are no cracks

Inspect both webbing and rope 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 service this unit or tamper with its function in any way.**



## Installation & System Set up Guide

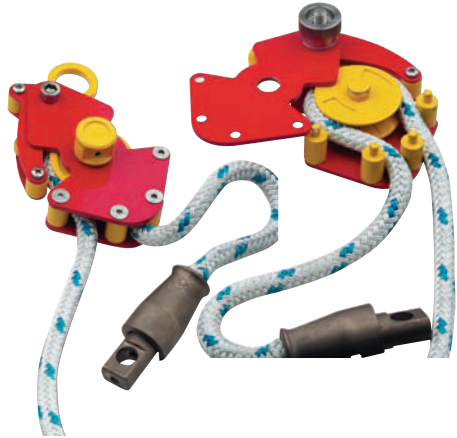
### Section 3.0

1) Loosen the endplate nut and split the housing plates. Pull back the cam and lever and wrap rope around the drum of the tensioner. Observe the path of the rope with regard to both the cam and the housing spacers. Reposition the housing plates, ensure that the plate sits squarely on the pins. Once aligned, tighten the wing nut securely to hold the plates in position.

2) With a carabiner, 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. If the tensioner is installed as shown, the tail of the rope will hang down and may be used with an automatic rope grab as a life line for access protection.

3) 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 center of the drum. It is not necessary to pull the rope till it is fully taught, this is achieved by tightening the tensioner with a lever.

4) Using a 1" wrench, tighten the rope tensioner so that the horizontal portion of the life line becomes taught enough to hold and arrest a fall. Do not try to reverse wind the tensioner, the cam will lock and resist any rotation in this direction. The life line requires 440 lbs. of force to function optimally. This may be tested by loading the rope 5 feet from the tensioner, the sag should not exceed 4 inches. A hand pull will be sufficient.



5) Decommissioning is easily achieved by loosening the wing nut. The cam lever will then be loose enough to be pulled back. Use the tommy bar to prise the lever back against the cam. With some small effort the cam will release from the drum allowing the rope to be pulled back through the tensioner and the life line taken down from its anchorage. 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 fibres of the rope's protective sheath.

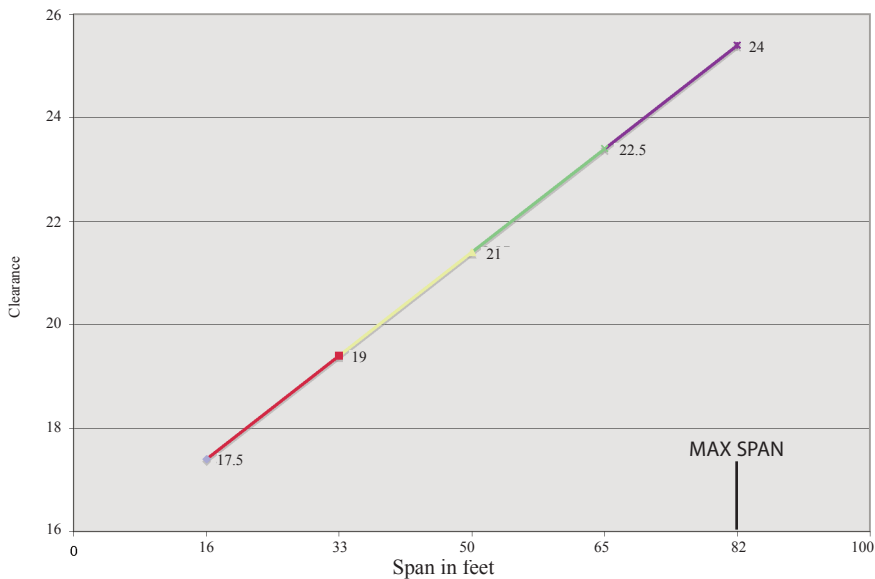


30800

## Deflection Graph

## Section 3.2

Minimum Ground Clearance Graph



Note: Deflection is based around a 220 lb mass.



## Anchorage, Compatibility & Warnings!

## Section 4.0

### 4.1 Anchorage

MAX anchorage force = 2,500 lbs.

Anchorage should be sufficiently strong enough to withstand an impact load of 5,000 lbs.

Lifeline should always be at or above 3 feet 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 out in this manual.

Refer to the clearance graph in this manual for detail on safe ground clearance.

Always check the area below is free from obstruction.

Always check end terminations and carabiners before use. Check all cams, tension handles and gates on carabiners are closed.

Only use Guardian approved products see guide under Compatibility.

Never over tighten the HLL's, 450 lbs. is sufficient.

### 4.3 Compatibility

This HLL is suitable for fall arrest when used with a full body harness that is compliant to ANSI Z359.1 (07) such as a Guardian Edge Series harness. You must use an ANSI compliant connecting subsystem for attaching to this HLL.

This unit is not suitable for use in explosive environments. If in doubt contact your approved Guardian technical support for further details.

### 4.4 Warnings!

Read and understand manufacturer's instructions before inspection, installation or use of this product. Do not use if you weigh more than 310 lbs. Only use approved equipment with HLL'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. Heat and sparks will damage this device.



## Quality, Standards & Exclusions

## Section 5.0

### 5.1 Quality

All Guardian products are manufactured to the highest standards. The scope of use within the certification held allows Guardian 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 Guardian systems must only be installed by a trained installer.

### 5.2 Legislation and Standards

The 30800 4 Man Temporary Horizontal Lifeline has been designed to meet all applicable standards contained within ANSI Z359.

For clarification on any certification issues contact Guardian.

### 5.3 Exclusions

Guardian is not responsible for the following:

- 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 Maximum weight has been exceeded.
- f) devices that have NO serial number markings, and the manufacturers name is not present.











Guardian Fall Protection  
26609 79th Ave S.  
Kent, WA 98032  
800-466-6385  
[www.guardianfall.com](http://www.guardianfall.com)