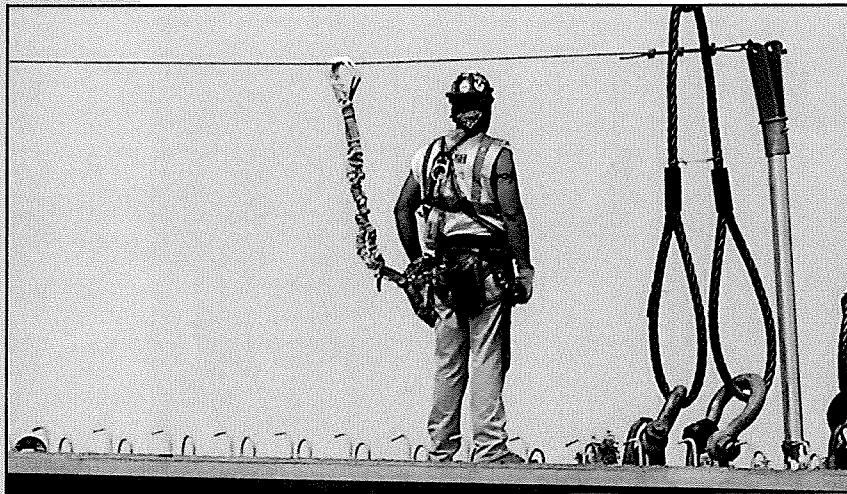

**LINEA DE VIDA HORIZONTAL WD 60' (HL60C)
CABLE DE ACERO DE 3/8"**



www.webdevices-usa.com

HL60C

60' $\frac{3}{8}$ " Adjustable Cable Horizontal Lifeline with Energy Absorber - 2 Person Capacity

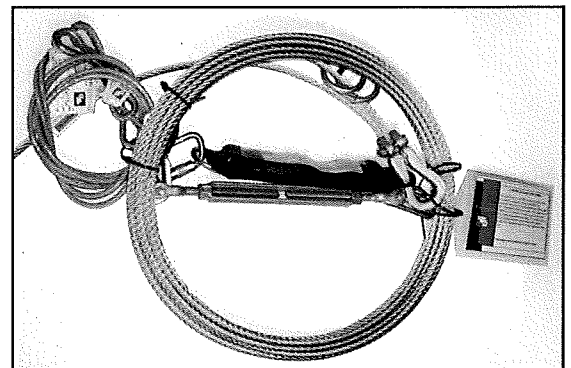


The Web Devices HL60C Horizontal Cable Lifeline is a portable, temporary system, that allows for horizontal movement of workers while providing a safe and dependable means of protection. The system can be installed easily between two anchor points, and comes with anchor point attachment slings. The system uses an in-line energy absorber which helps protect anchor points from damage should the system sustain an impact load.

- Galvanized steel cable

Web Devices
9201 Winkler Dr.
Houston, Texas 77017
1.800.262.4891

HL60C



HORIZONTAL LIFELINES

HL60C

Instructions for Installation, Use and Inspection



Web Devices

WD

The Web Devices Horizontal Cable Lifeline System is a portable, temporary system that allows for horizontal movement of workers while providing a safe and dependable means of protection. The system can be installed easily between two anchor points, and comes with anchor point attachment slings. The system uses an in-line energy absorber which helps protect anchor points from damage should the system sustain an impact load.

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Houston, Texas 77017
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The clearance chart in these instructions shall be used to determine minimum clearance (MC) required for the system to successfully arrest a fall.

- Never alter a system.
- Never add unapproved components to the system.
- Never remove any component part of the system.
- Never use this system for any other purpose except fall protection.
- Do not store this system with lifting equipment, tools, or with anything other than fall protection equipment.
- Always inspect the system prior to each use.
- Do not use the system if you have not been trained.
- Do not use the system without having a rescue plan in place.
- If unsure or concerned about the safety of the system **DO NOT USE!**

Shall a fall on this system occur,
REMOVE ALL SYSTEM COMPONENTS FROM SERVICE
and call Web Devices.

These instructions shall be maintained on site for ready reference.

For applications that may require longer spans and/or more users, contact Web Devices. If ever in doubt about this system or any Web Devices products, please contact the Technical Department @ 800-262-4891.

**!Failure to follow these instructions can
cause serious injury or death!**



WEB DEVICES
HL60C HLL CLEARANCE CHART

This chart shows the minimum clearances (MC) required to safely use the Web Devices Model LL 80-60T. All clearances are based on the user(s) having a 6 ft. shock absorbing lanyard with a maximum arrest force of 900 lbs., and with the lifeline being at the d-ring level of the user(s).

Single Span

Multiple Spans

22 ft. 1 user MC = 20 ft.
2 users MC = 22 ft.

10 ft. 1 user MC = 18 ft.
2 users MC = 19 ft.

32 ft. 1 user MC = 21 ft.
2 users MC = 23 ft.

16 ft. 1 user MC = 18 ft.
2 users MC = 20 ft.

60 ft. 1 user MC = 25 ft.
2 users MC = 27 ft.

20 ft. 1 user MC = 20 ft.
2 users MC = 22 ft.

30 ft. 1 user MC = 21 ft.
2 users MC = 24 ft.

Note: When self-retracting lifelines (SRL's) are used instead of lanyards, the MC will be 7 ft. less than the MC shown.

If the minimum clearances shown cannot be met, contact Web Devices for other possible solutions to the fall hazard. Using the LL 80-60T without adequate clearances will result in a fallen worker striking a lower level, and causing serious injury or death.



Inspection

Inspect the system prior to each use and semiannually (documented) by a competent or qualified person.

Components:

Carabiners (2): Inspect for rust and other corrosion. Make sure that the gates of the carabiners close and lock without assistance. Carabiners must be self-closing/self-locking. Remove from service if not operable. A light lubrication may be used on sticky or frozen gates.

Turnbuckle (1): Inspect for rust and other corrosion. Check for any bent parts. Turnbuckle must tighten and loosen when turned. This is necessary for proper adjustment during temperature fluctuations which would require adjustment of sag in the cable. Light lubrication may be used

Cable (1): Inspect the entire length of the cable for kinks, burrs, broken strands, excessive rust and/or corrosion. Heavy gloves and a lubricated towel may be run the entire length in order to clean and lubricate the cable. The two (2) forged steel "O" rings on the cable should be free of excessive rust or corrosion, and may be cleaned with a light lubricant.

Clamp/Thimble (1): Inspect for tightness. Hand tighten with 2 ea. 9/16" combination wrenches. Do not over tighten. 40 ft./lbs. is sufficient. Inspect for rust and other corrosion. Light lubrication may be used on this part.

Energy Absorber (1): This component **MUST** be present. If missing, remove system from service. Check for any deployment by measuring. The energy absorber should be no longer than 16" from d-ring to d-ring.



Installation continued

1. Determine the overall span.
2. Make rough adjustment.
3. Open turnbuckle to full extension leaving 1" of threads showing on the inside of the turnbuckle body.
4. Use anchor slings (provided), or an anchorage connector that is most compatible with the anchorage (beams, pipes, etc.).
5. Always try to locate the end anchorages overhead.
6. Attach anchorage connectors to both ends of the span.
7. Attach the carabiners to the end anchors.
8. Make further rough adjustments (if needed) through the clamp/thimble. **Note: This adjustment is best performed by two installers.**
9. Tighten the bolts on the clamp/thimble to at least 40 ft./lbs., but not more than 60 ft./lbs.
10. Use the turn buckle to make fine adjustment. The turn buckle may be wired to hold its adjustment during extended periods of use. **Note: The initial sag in the cable MUST be at least 5".** If the system is installed in heat above 90 degrees, the minimum sag should be increased by at least 1". This will insure an initial tension of approximately 125 lbs. on each end. **NEVER** tighten the system to a point where there is no sag. The energy absorber may prematurely deploy, deeming the system unusable.
11. The system is now ready for inspection by a Competent or Qualified person. This inspection and acceptance should be documented.

Attachment of the system shall be made using the 2 floating "O" rings. No more than 2 authorized users shall connect to the 80 Series Lifeline.

Anchorage (both ends) shall be capable of supporting a safety factor of 2. This is based on the maximum anchorage loads (MAL) during a fall arrest. The worst case is 1,720 lbs. for 2 authorized users falling at the same time. The end anchorage shall support at least 3,600 lbs.



Horizontal Lifelines - 60 Series

Use and Inspection

General

Authorized users of this Horizontal Lifeline System(HLL) shall read and understand these instructions before installation.

A Competent or Qualified person shall provide training on his HLL system. This training shall be documented, and signed by each authorized user of the system. A Competent or Qualified person shall approve the system for use after installation.

A means for the prompt rescue of 2 authorized users shall be in place before the system is used and during installation.

A full body harness and shock absorbing lanyard which complies with the latest ANSI and OSHA standards shall be used.

If a Self Retracting Lifeline (SRL) is used, a personal shock absorber should be used to maintain vertical forces 900 lbs. per user. If the HLL is installed above head and a SRL is used, the personal shock absorber is not required, but is still recommended.

Installation

It is suggested that the installer of the system determine the span between anchorages before leaving the ground level. This will help with the installation process, and exposure time. Using two 9/16" wrenches, loosen bolts on clamps/thimble and feed excess cable through to make rough adjustment leave bolts loose until the system is installed.





Inspection For: _____

Inspected By: _____

Carabiners (2): _____

Turnbuckle (1): _____

Cable (1): _____

Clamp/Thimble (1): _____

Energy Absorber (1): _____

“O” Rings (2): _____

Additional Comments:

