

# HLL System

**GUARDIAN**  
FALL PROTECTION  
PERFORMANCE SAFETY GEAR

Part #	Length	Description
04625	30'	Black Polyester HLL Kit: Tensioner/2 O-rings/2 Cross Arm Straps/2 Carabiners/Ultra Sack Bag
04628	60'	Black Polyester HLL Kit: Tensioner/2 O-rings/2 Cross Arm Straps/2 Carabiners/Ultra Sack Bag
04630	100'	Black Polyester HLL Kit: Tensioner/2 O-rings/2 Cross Arm Straps/2 Carabiners/Ultra Sack Bag
04638	30'	Kernmantle Horizontal Lifeline System w/Tensioner, 2 O-rings, 2 Slings, & 2 01813-S Carabiners
04639	60'	Kernmantle Horizontal Lifeline System w/Tensioner, 2 O-rings, 2 Slings, & 2 01813-S Carabiners
04640	100'	Kernmantle Horizontal Lifeline System w/Tensioner, 2 O-rings, 2 Slings, & 2 01813-S Carabiners

Compliant with all OSHA 1910, OSHA 1926 Subpart M, ANSI Z359.1-07, and ANSI A10.32-2012 regulations.

Materials: polyester, galvanized steel, and zinc-plated steel. Rope diameter: 5/8".

Custom configurations available. Contact customer service for details.

HLL Systems are suitable for the following applications:



**Personal Fall Arrest:** Guardian HLL Systems may be used in Personal Fall Arrest applications to support a MAXIMUM 2 Personal Fall Arrest Systems (PFAS). Structure must withstand loads applied in the directions permitted by the system of at least 5,000 lbs. Maximum free fall is 6'. Applicable D-ring: Dorsal.



**Restraint:** Guardian HLL Systems may be used in Restraint applications to support a maximum 2 workers. Restraint systems prevent workers from reaching the leading edge of a fall hazard. Always account for fully deployed length of lanyard/SRL. Structure must withstand loads applied in the directions permitted by the system of at least 1,000 lbs. No free fall is permitted. Restraint systems may only be used on surfaces with slopes up to 4/12 (vertical/horizontal). Applicable D-rings: Dorsal, Chest, Side, Shoulder.



**For all applications: worker weight capacity range (including all clothing, tools, and equipment) is 130-310 lbs., per worker.**

**Read and understand all manufacturer's instructions prior to installation and use. To Install:**

1. Wrap (1) Cross Arm Strap around compatible support structure as determined by a Competent Person. Cross Arm Strap must be wrapped around and fit snugly to structure.
2. Attach (1) Carabiner to small O-ring on Cross Arm Strap.
3. Repeat steps #1 and #2 on opposite support structure for second Cross Arm Strap and Carabiner. Cross Arm Straps must be directly across from each other, so that Rope Lifeline will be completely level and not slope in any way when installed.
4. Connect thimble end of Rope Lifeline to Carabiner attached to Cross Arm Strap, and connect Rope Tensioner end to opposite Carabiner.
5. Tighten Rope Lifeline by pulling loose rope end at Rope Tensioner.
6. Using a compatible steel rod, tighten Rope Lifeline by turning the nut clockwise until Rope Tensioner slips. DO NOT over-tighten lifeline. Rope Lifeline is tensioned when turning the nut no longer pulls rope. Once horizontal lifeline has been properly tensioned, push unfastening lever against Rope Tensioner.
7. Attach complete and compatible PFAS to HLL O-ring. Maximum 2 users per HLL.