

# Miller TechLine™



## Temporary Horizontal Lifeline System

### Description

Temporary Horizontal Lifeline system to be used in applications where overhead anchorage is not present. System includes all necessary hardware, components and instructions for complete installation

### Materials

**Rope:** 12 strand polyester (Nerex)  
5/8" (15.9 mm) diameter, single braid  
lock stitch  
17,500lb. (77.8kN) minimum tensile  
strength  
Environmentally stable  
Low elongation  
High abrasion resistance

### Line

**Adjuster:** Zinc plated steel tensioner rated at  
5,000lbs (22.2kN)

### In-Line Shock

**Absorber:** Designed to limit forces to 2,500lbs.  
(11.2kN) which provides a 2:1 safety  
factor for 5,000lb (22.2kN) anchorage.

### Snap Hook:

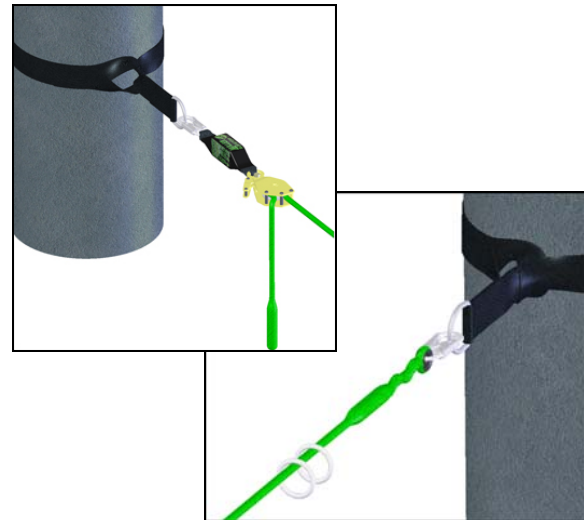
Zinc plated, forged alloy steel  
Proof tested to 3,600 lbs (16kN)  
5,000 lb. (22.2kN) minimum tensile  
strength

### O-Rings:

Zinc plated 1/4" x 2" (6mm x 5cm)  
diameter  
Forged alloy steel  
5,000lb. (22.2kN) minimum tensile  
strength

### Cross-Arm

**Straps:** 3" (7.6cm) wide heavy-duty polyester  
Minimum tensile strength 5,000lbs  
(22.2kN)



### Technical

#### Maximum Capacity:

Two workers at 310lbs (140.6kg) each  
Two-worker systems include in-line  
shock absorber and (2) O-rings

#### Minimum Capacity:

One worker at 310lbs (140.6kg)  
Single worker systems include (1)  
O-ring

### Certification

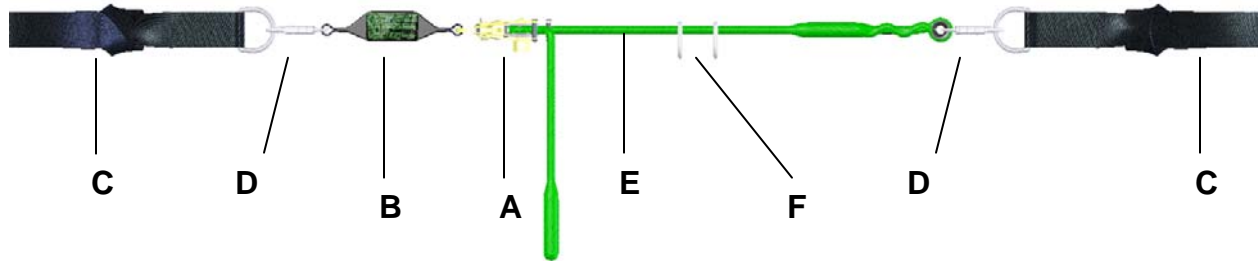
Tested to ANSI A10.32-2004, OSHA, and CSA Z259.13-04E specifications

MODEL NUMBER	SPAN LENGTH	CAPACITY
HLLR1/30FT	30' (9.1m)	One Person
HLLR1/60FT	60' (18.3m)	One Person
HLLR2/30FT	30' (9.1m)	Two Person
HLLR2/60FT	60' (18.3m)	Two Person

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**A. TENSIONER**

Used to adjust the length of the rope, indicate proper pre-tension and maintain tension.

**B. IN-LINE SHOCK ABSORBER**

Designed to limit forces to 2,500 lbs. (11.2kN) which provides a 2:1 safety factor for 5,000 lb (22.2kN) anchorages.

**C. CROSS-ARM STRAPS**

Used to secure lifeline to anchorage point.

**D. SNAPHOOK**

Self-locking snaphook used to connect the ends of the lifeline to an approved anchorage connector.

**E. LIFELINE**

5/8" (15.9mm) polyester rope used to span between two anchorage connectors.

**F. O-RING**

Used to connect worker's shock absorbing lanyard or self-retracting lifeline to the horizontal lifeline.

### Fall Clearance Charts

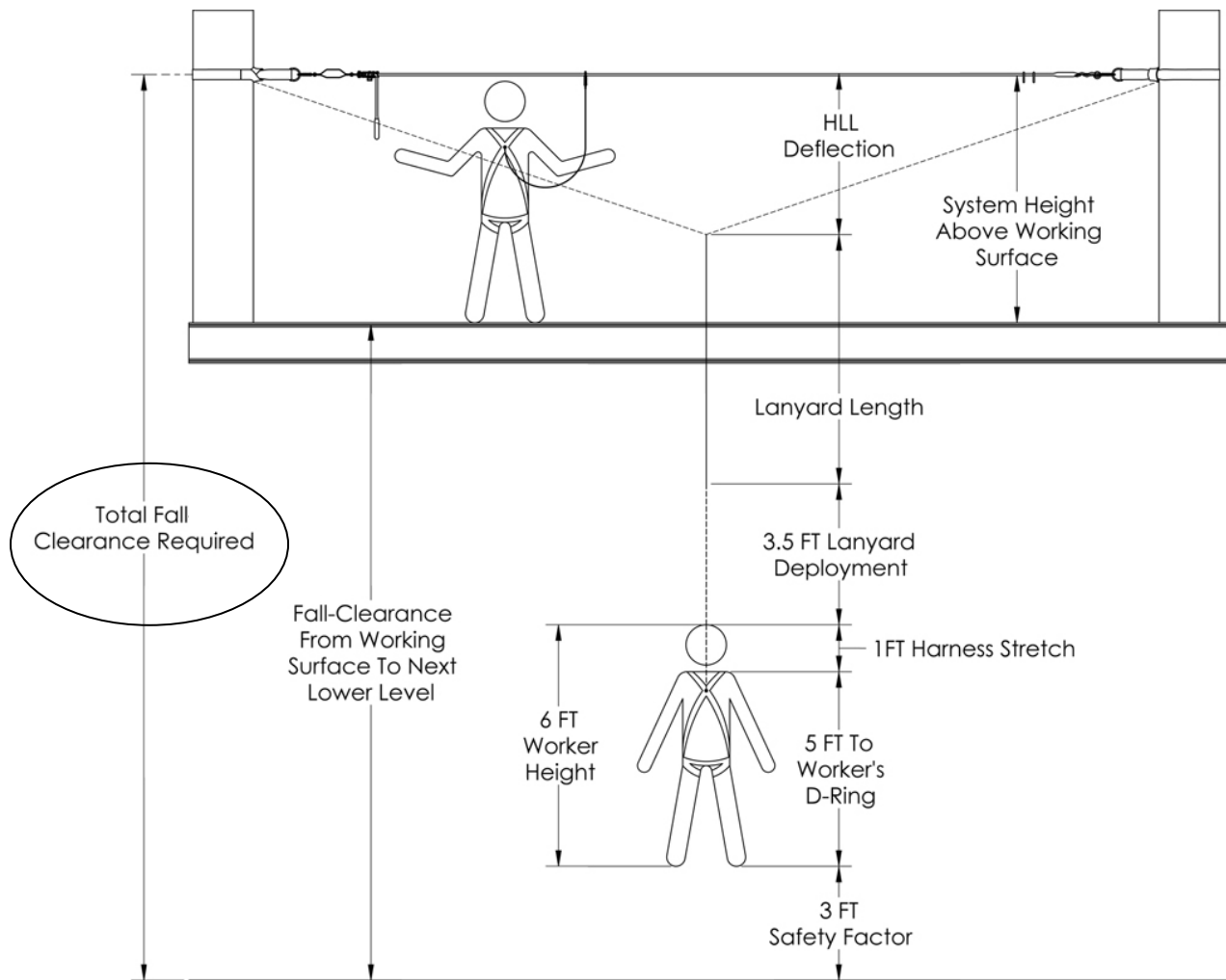
Refer to the following tables and "Total Fall Clearance Required" in the Fall Clearance Diagram to determine minimum required clearance from lifeline to surface or obstruction.

Total fall clearance required for <b>one worker</b> connected to system with Miller shock absorbing lanyard.			Total fall clearance required for <b>two workers</b> connected to system with Miller shock absorbing lanyard.			Total fall clearance for <b>one or two workers</b> connected to system with Miller self-retracting lifelines (SRL).		
Span Length (in Feet)	Length of Lanyard (in Feet)		Span Length (in Feet)	Length of Lanyard (in Feet)		Span Length (in Feet)	Required clearance for one-worker system	Required clearance for two-worker system
	3	6		3	6			
0-10	19' 1"	22' 1"	0-10	19' 1"	22' 1"	0-10	19' 1"	19' 1"
11-20	19' 8"	22' 8"	11-20	19' 9"	22' 9"	11-20	19' 8"	19' 9"
21-30	20' 3"	23' 3"	21-30	20' 8"	23' 8"	21-30	20' 3"	20' 8"
31-40	20' 10"	23' 10"	31-40	21' 8"	24' 8"	31-40	20' 10"	21' 7"
41-50	21' 5"	24' 5"	41-50	22' 7"	25' 7"	41-50	21' 5"	22' 7"
51-60	22' 1"	25' 1"	51-60	23' 7"	26' 7"	51-60	22' 1"	23' 7"

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### Fall Clearance Diagram



(New OSHA standards on 1ft. harness stretch referenced above.)



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