

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:

- 1 1/16 in. (17.5 mm) diameter, black static kernmantle
- 12,000 lb. (53.4 kN) minimum tensile strength; polyester cover over nylon core
- Environmentally stable
- Low elongation
- High abrasion resistance

Line

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

In-Line Shock

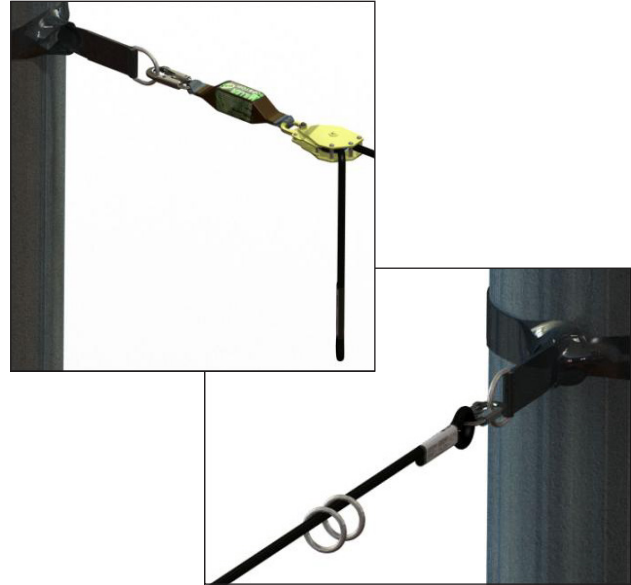
Absorber: Designed to limit forces to 2,500 lbs. (11.2 kN) which provides a 2:1 safety factor for 5,000 lb. (22.2 kN) anchorage.

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

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

Cross-Arm

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



Technical

Maximum

Capacity: Two workers at 310 lbs. (140.6 kg) each
Includes in-line shock absorber and (2) O-rings

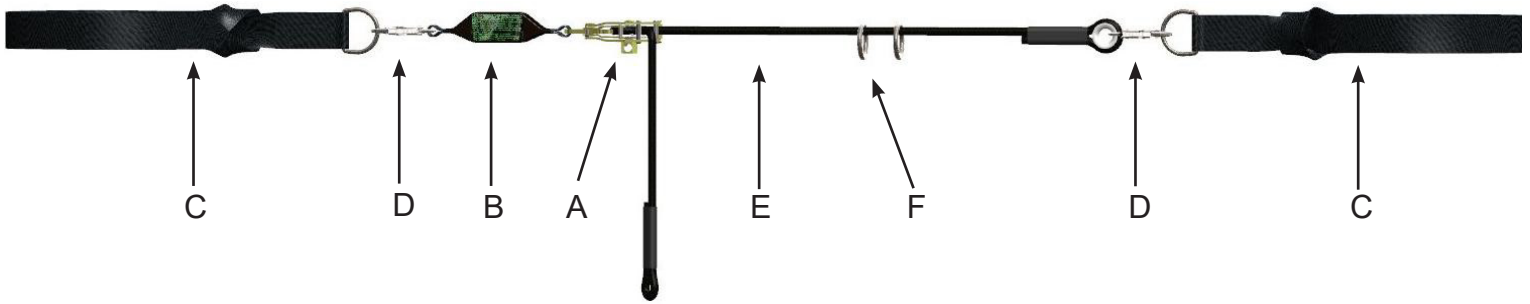
Certification

Tested to ANSI A10.32-2004 and OSHA 1926.502

Connecting components meet or exceed ANSI Z359.12-2009 or CSA Z259.12-11 requirements for 3,600 lb. gate strength. For questions about products purchased prior to January 1, 2015, please contact Honeywell Technical Service at 800.873.5242.

Model Number	Span Length	Max. Capacity
HLLR2-Z7/30FT	30 ft. (9.1 m)	Two Person
HLLR2-Z7/60FT	60 ft. (18.3 m)	Two Person

Miller TechLine™ Temporary Horizontal Lifeline System



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. (11.2 kN) which provides a 2:1 safety factor for 5,000 lb. (22.2 kN) anchorages.

C. CROSS-ARM STRAPS

Used to secure lifeline to anchorage point.

D. SNAPHOOK

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

E. LIFELINE

11/16 in. (17.5 mm) black static kernmantle rope used to span between two anchorage connectors.

F. O-RINGS

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

Fall Clearance Charts

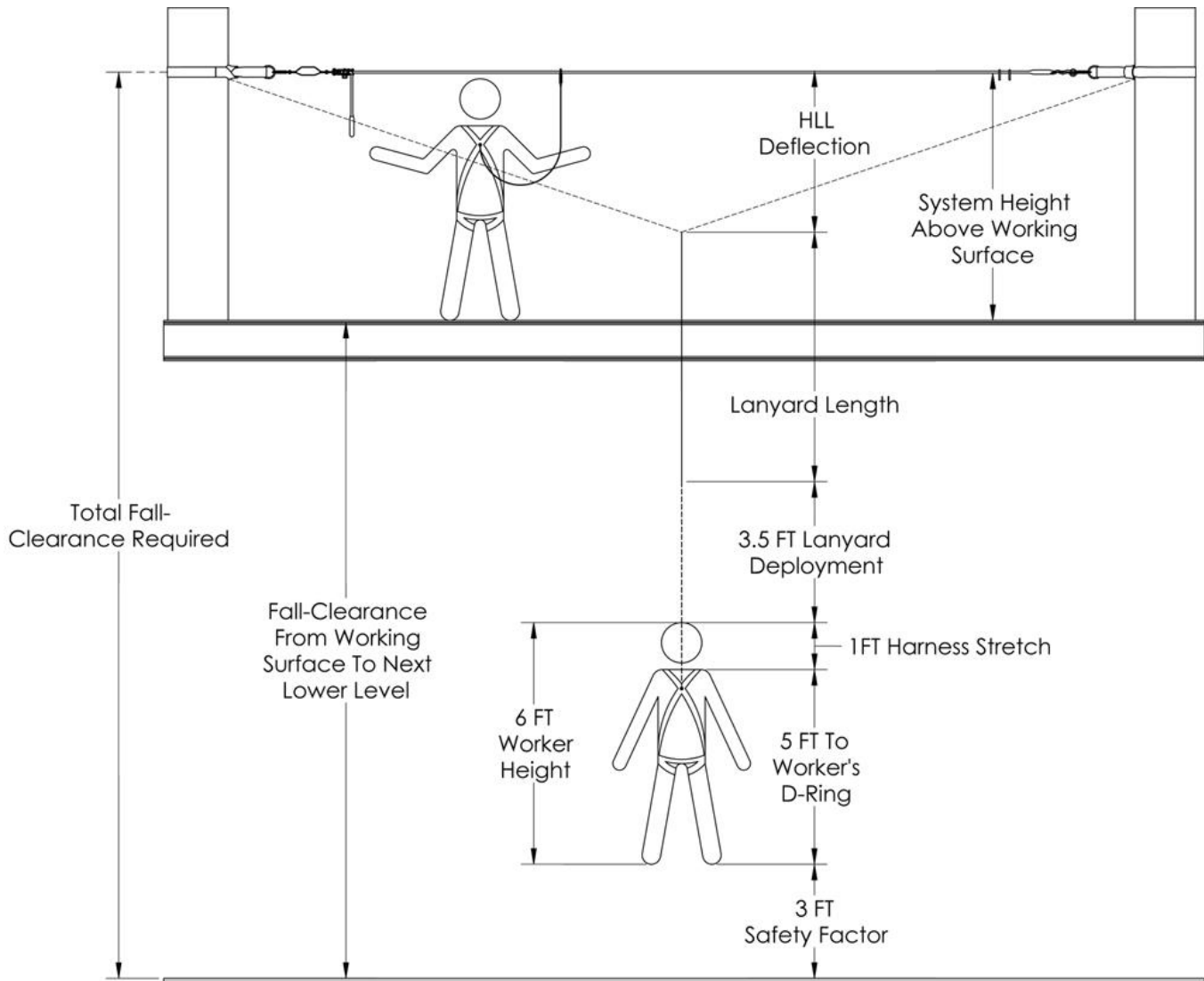
Refer to the following table and "Total Fall Clearance Required" in the Fall Clearance Diagram to determine minimum required clearance from lifeline to surface or obstruction.

**TECHLINE HLL SYSTEM WITH CROSS ARM STRAPS
FALL CLEARANCE TABLES**

Total Fall Clearance Required for one worker connected to system with Miller shock-absorbing lanyard.			Total Fall Clearance Required for two workers connected to system with Miller shock-absorbing lanyards.		
Span Length (in Feet)*	Length of Lanyard (in Feet & Inches)		Span Length (in Feet)*	Length of Lanyard (in Feet & Inches)	
	3 (0.9m)	6 (1.8m)		3 (0.9m)	6 (1.8m)
0-10 (0-3m)	14'-1" (4.29m)	17'-1" (5.18m)	0-10 (0-3m)	14'-1" (4.29m)	17'-1" (5.18m)
11-20 (3.4-6.1m)	14'-8" (4.47m)	17'-8" (5.38m)	11-20 (3.4-6.1m)	14'-9" (4.5m)	17'-9" (5.41m)
21-30 (6.4-9.1m)	15'-3" (4.65m)	18'-3" (5.56m)	21-30 (6.4-9.1m)	15'-8" (4.78m)	18'-8" (5.69m)
31-40 (9.4-12.2m)	15'-10" (4.83m)	18'-10" (5.74m)	31-40 (9.4-12.2m)	16'-8" (5.08m)	19'-8" (5.99m)
41-50 (12.5-15.2m)	16'-5" (5m)	19'-5" (5.92m)	41-50 (12.5-15.2m)	17'-7" (5.36m)	20'-7" (6.27m)
51-60 (15.5-18.2m)	17'-1" (5.18m)	20'-1" (6.12m)	51-60 (15.5-18.2m)	18'-7" (5.66m)	21'-7" (6.58m)

*Span Lengths are provided in feet (meters); for lengths that fall between the span length ranges provided, round up or down to the nearest span length using standard rounding rules. (Ex.: For 30'-5", use the span length of 31-40 feet to determine required fall clearance. For 50'-2", use the span length of 41-50 feet to determine required fall clearance.)

Fall Clearance Diagram



Limitless Possibilities. Ask the Expert.

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⚠ This equipment should only be used after reading and understanding the manufacturer's instructions. Failure to follow instructions could result in serious injury or fatality.