

# 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:

- 11/16 in. (17.5 mm) diameter, black static kernmantle
- 12,000 lb. (53.4kN) 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. (22.2kN)

#### 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) 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 in. x 2 in. (6mm x 5cm) diameter  
Forged alloy steel  
5,000 lb. (22.2kN) minimum tensile strength

#### Cross-Arm

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



### Technical

#### Maximum Capacity:

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

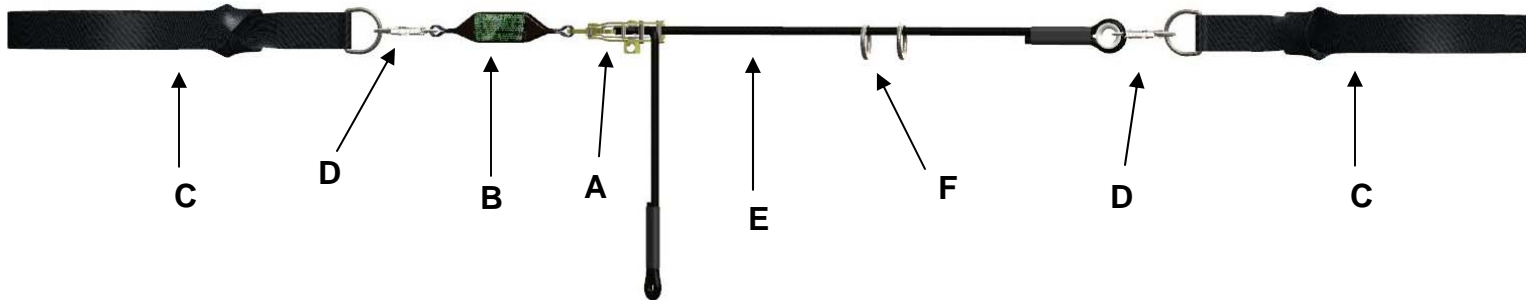
### Certification

Tested to ANSI A10.32-2004 and OSHA 1926.502

MODEL NUMBER	SPAN LENGTH	MAX. CAPACITY
HLLR2/30FT	30 ft. (9.1m)	Two Person
HLLR2/60FT	60 ft (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 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.

**TWO WORKER MAXIMUM  
FALL CLEARANCE REQUIRED (FT, IN)**

Shock-Absorbing Lanyard (S/A Lanyard) and Self-Retracting Lifeline (SRL)		
Lifeline Span (in feet)	3-ft. S/A Lanyard or SRL	6-ft. S/A Lanyard
0-10	19' 1"	22' 1"
10-20	19' 9"	22' 9"
20-30	20' 8"	23' 8"
30-40	21' 8"	24' 8"
40-50	22' 7"	25' 7"
50-60	23' 7"	26' 7"

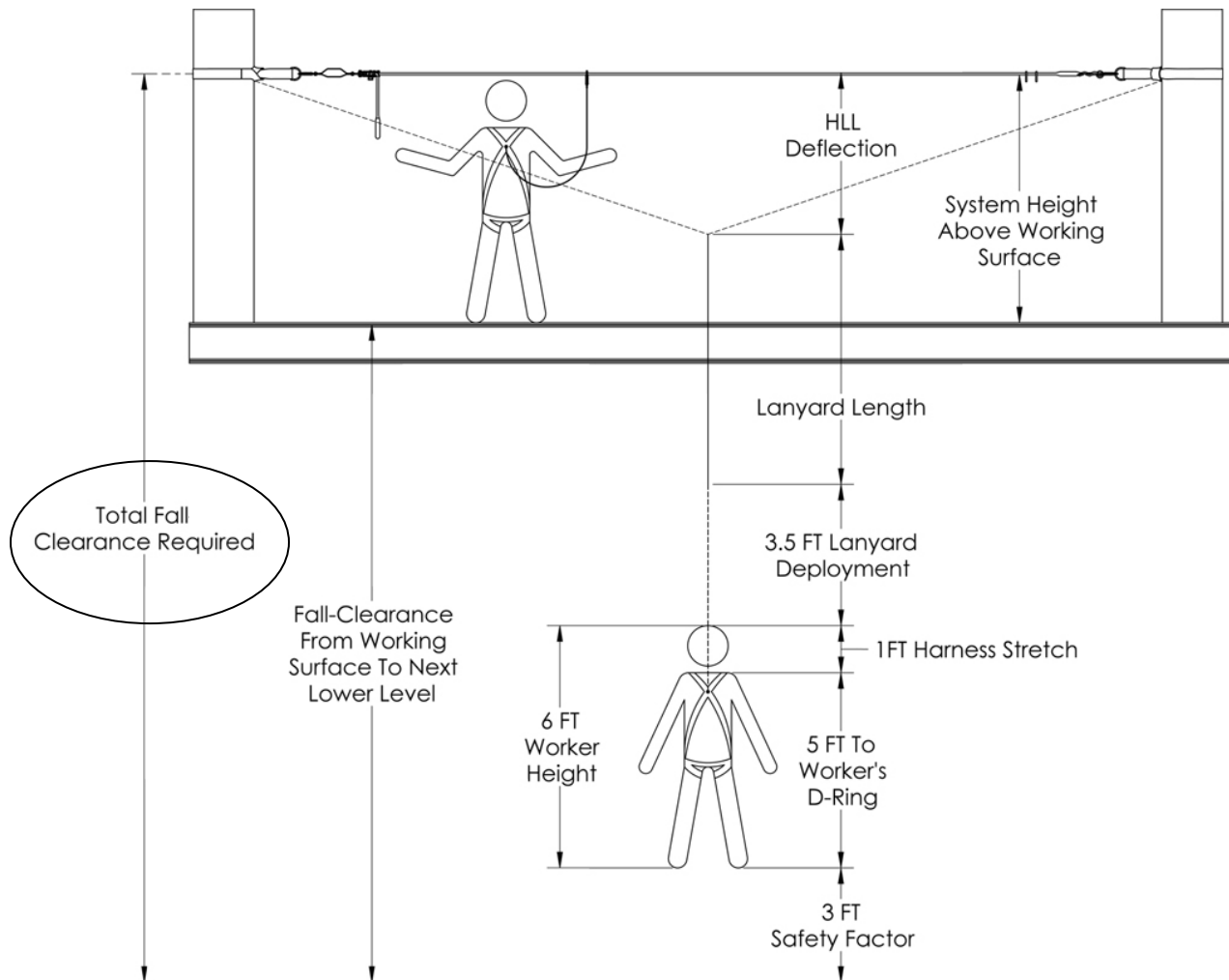
3 ft. safety factor included



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### Fall Clearance Diagram



**MILLER**<sup>®</sup>  
by SPERIAN

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