

MILLER® TECHLINE™ TEMPORARY HORIZONTAL LIFELINE SYSTEM

TECHNICAL DATA
SP343 Rev. E
Aug 2021

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 (53.4 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 lb (22.2 kN)

IN-LINE SHOCK

Absorber: Designed to limit forces to 2,500 lb (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 lb (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 lb (22.2 kN)

TECHNICAL

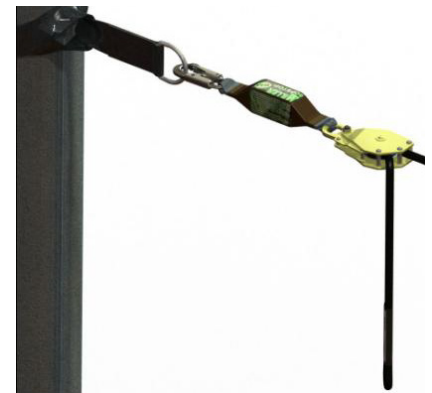
MAXIMUM

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

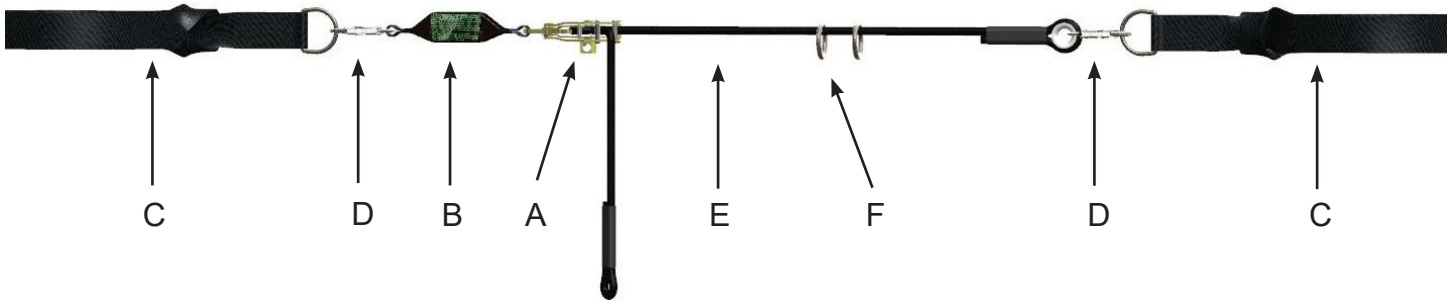
CERTIFICATIONS

Tested to 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 purchase 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



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.

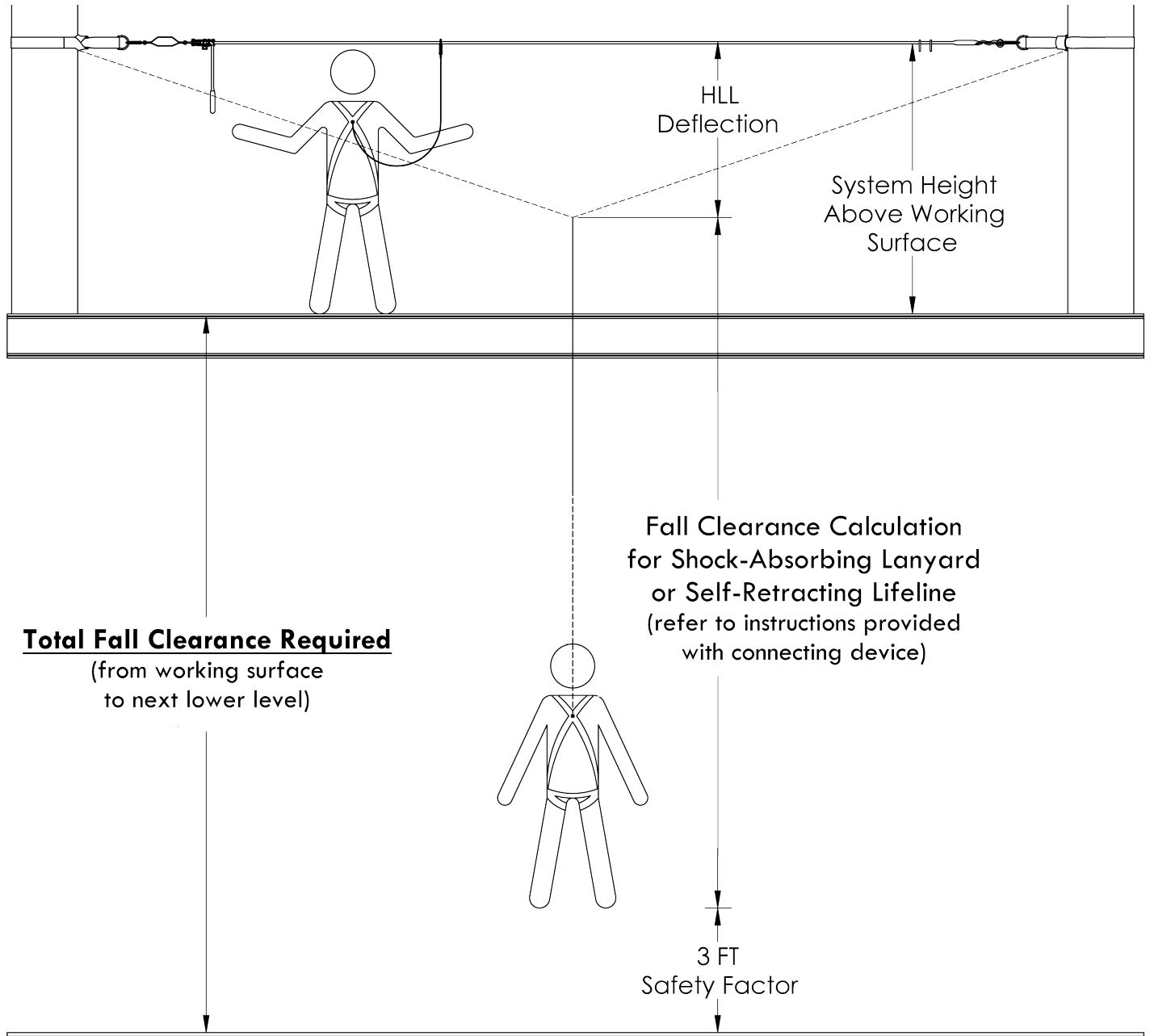
TECHLINE HLL SYSTEM WITH CROSS ARM STRAPS FALL CLEARANCE TABLES

TOTAL FALL CLEARANCE REQUIRED FOR ONE WORKER CONNECTED TO SYSTEM WITH MILLER SHOCK-ABSORBING LANYARD.		
Span Length (in Feet)*	Length of Lanyard (in Feet & Inches)	
	3 (0.9m)	6 (1.8m)
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)
21-30 (6.4-9.1m)	15'-3" (4.65m)	18'-3" (5.56m)
31-40 (9.4-12.2m)	15'-10" (4.83m)	18'-10" (5.74m)
41-50 (12.5-15.2m)	16'-5" (5m)	19'-5" (5.92m)
51-60 (15.5-18.2m)	17'-1" (5.18m)	20'-1" (6.12m)

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)	
	3 (0.9m)	6 (1.8m)
0-10 (0-3m)	14'-1" (4.29m)	17'-1" (5.18m)
11-20 (3.4-6.1m)	14'-9" (4.5m)	17'-9" (5.41m)
21-30 (6.4-9.1m)	15'-8" (4.78m)	18'-8" (5.69m)
31-40 (9.4-12.2m)	16'-8" (5.08m)	19'-8" (5.99m)
41-50 (12.5-15.2m)	17'-7" (5.36m)	20'-7" (6.27m)
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.
Technical Service: 800.873.5242
www.millerfallprotection.com

Honeywell Safety Products
9680 Old Bailes Road
Fort Mill, SC 29707

USA
Phone: 800.430.5490
Fax: 800.322.1330

⚠ 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

Canada
Phone: 888.212.7233
Fax: 888.667.8477

**THE
FUTURE
IS
WHAT
WE
MAKE IT**

Honeywell