



Horizontal Lifeline

Part# P00147-40, P00147-60



The following chart can be used to estimate anchor point strengths when using the cable with a fixed, non-shock absorbing anchorage device.

Maximum Service Load

| | |
|----------|-----------|
| 1 person | 1750 lbs. |
| 2 people | 3250 lbs. |

Required Design Load (2:1)

| | |
|----------|-----------|
| 1 person | 3500 lbs. |
| 2 people | 6500 lbs. |

The following chart can be used to estimate required fall clearances below work height.

| Length of System | Workers | Max Cable Deflection Below Work Height in Ft. | Lanyard Length in Ft. | Max Lanyard Elong. in Ft. | Average Worker Height in Ft. | Total Clearance Required in Ft. |
|------------------|---------|---|-----------------------|---------------------------|------------------------------|---------------------------------|
| 20 ft. | 1 | 0 | 6 | 3 | 6 | 15 |
| 30 ft. | 1 | 0.4 | 6 | 2.6 | 6 | 15 |
| 40 ft. | 1 | 0.5 | 6 | 2.42 | 6 | 14.92 |
| 50 ft. | 1 | 1.2 | 6 | 1.88 | 6 | 15.08 |
| 60 ft. | 1 | 1.71 | 6 | 1.45 | 6 | 15.16 |
| 20 ft. | 2 | 0.17 | 6 | 2.17 | 6 | 14.34 |
| 30 ft. | 2 | 1.25 | 6 | 1.8 | 6 | 15.05 |
| 40 ft. | 2 | 2.17 | 6 | 1.42 | 6 | 15.59 |
| 50 ft. | 2 | 3.26 | 6 | 0.95 | 6 | 16.21 |
| 60 ft. | 2 | 4.21 | 6 | 0.35 | 6 | 16.56 |

* The numbers above represent actual maximum results achieved during product testing.

DESCRIPTION

The Safe Approach horizontal lifeline system is designed to be used in conjunction with Safe Approach portable anchorage devices. Please contact Safe Approach with your application for proper anchorage devices compatible with this lifeline. The horizontal lifeline system may also be used at your feet if used in conjunction with proper connecting subsystems (lanyard or srl) designed for a 12' free fall capability.

GENERAL SPECIFICATIONS

| Item | Description | Tested At |
|---|-------------------------------------|----------------|
| Cable | 3/8" 7x19 Galvanized Aircraft | 14,400lb break |
| Shackle | 7/16" Galv. Bolt Type Safety Anchor | 19,800lb break |
| Thimble | 3/8" Heavy Duty Galvanized | N/A |
| Turnbuckle | 1/2" x 12" Jaw & Jaw Galvanized | 11,000lb break |
| Swage | Alum., Machine Crimped—2 per end | N/A |
| Shock | Inline Energy Absorber | 14,400lb break |
| Cable Capacity—varies based on anchorages, up to 2 people, max weight 310lbs. Per person. | | |
| Technical References: OSHA 1926.502, ANSI Z359.1 | | |