CALCULATING FALL CLEARANCE

**ANSI Class-A Self Retracting Lifelines Overhead Anchorage**

- **A** 2 ft
  - Activation/Deceleration Distance
  - Maximum allowable length of lifeline that may payout from the SRL once user deceleration has begun after a fall event

- **B** 1 ft
  - Harness Stretch/D-Ring Shift
  - Combined amount of harness webbing elongation and dorsal D-ring up-shift during entire fall event

- **C** 1½ ft
  - Safety Factor
  - Added length to account for other factors such as an improperly adjusted harness, actual worker height or worker weight

- **D** 4½ ft
  - Total Minimum Required Fall Clearance

**ANSI Class-B Self Retracting Lifelines Overhead Anchorage**

- **A** 4½ ft
  - Activation/Deceleration Distance
  - Maximum allowable length of lifeline that may payout from the SRL once user deceleration has begun after a fall event

- **B** 1 ft
  - Harness Stretch/D-Ring Shift
  - Combined amount of harness webbing elongation and dorsal D-ring up-shift during entire fall event

- **C** 1½ ft
  - Safety Factor
  - Added length to account for other factors such as an improperly adjusted harness, actual worker height or worker weight

- **D** 7 ft
  - Total Minimum Required Fall Clearance

**6’ Free Fall Energy Absorbing Lanyard Overhead Anchorage**

- **A** 6 ft
  - Lanyard Length
  - Original working length before a fall event occurs and before activation of energy absorber

- **B** 4 ft
  - Deceleration Distance
  - Maximum allowable elongation that may payout from the energy absorber upon activation during a fall event

- **C** 1 ft
  - Harness Stretch/D-Ring Shift
  - Combined amount of harness webbing elongation and dorsal D-ring up-shift during entire fall event

- **D** 5 ft
  - Dorsal D-ring Height
  - Typical average height of the user’s Dorsal D-ring measured from the walking/working surface up

- **E** 1½ ft
  - Safety Factor
  - Added length to account for other factors such as an improperly adjusted harness, actual worker height or worker weight

- **F** 17½ ft
  - Total Minimum Required Fall Clearance

**12’ Free Fall Energy Absorbing Lanyard Foot Level Anchorage**

- **A** 6 ft
  - Lanyard Length
  - Original working length before a fall event occurs and before activation of energy absorber

- **B** 5 ft
  - Deceleration Distance
  - Maximum allowable elongation that may payout from the energy absorber upon activation during a fall event

- **C** 1 ft
  - Harness Stretch/D-Ring Shift
  - Combined amount of harness webbing elongation and dorsal back D-ring up-shift during entire fall event

- **D** 5 ft
  - Dorsal D-ring Height
  - Typical average height of the user’s Dorsal D-ring measured from the walking/working surface up

- **E** 1½ ft
  - Safety Factor
  - Added length to account for other factors such as an improperly adjusted harness, actual worker height or worker weight

- **F** 18½ ft
  - Total Minimum Required Fall Clearance

*Warning: Fall Clearance calculations shown above do not account for additional fall clearance distances caused by Swing Fall; see owner's manual for details.*