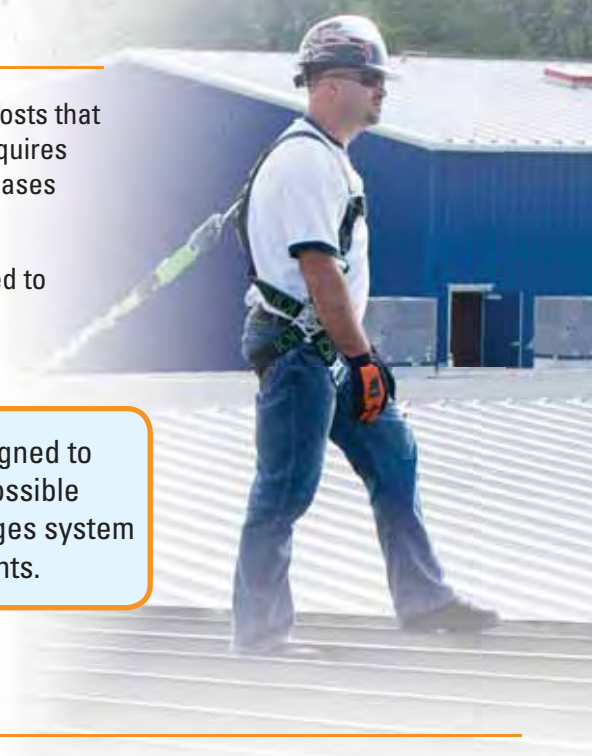
Types of Horizontal Lifeline Roof Systems



Roof Penetrating Horizontal Lifeline Systems – are designed with rigid posts that minimize fall clearance but transfer high loads to the roof. Installation requires opening the roof to secure posts to the underlying structure, which increases installation time, cost and the potential for water leaks.

Competitive Surface-mounted Horizontal Lifeline Systems – are designed to attach to the roof surface but allow system end posts to tip over which increases fall clearance requirements.

Miller ShockFusion Horizontal Lifeline System – is designed to attach to the roof surface, reducing installation time, cost and possible roof leaks. The unique design of the end and corner posts manages system forces without tipping over to minimize fall clearance requirements.

Adapts to a Variety of Roof Structures

Standing Seam Design

- Aluminum clamping mechanism is designed to pre-install to the base plate and is self centering for easy installation.
- The clamping bolts are tightened from above the plate for easy fastening and inspection.
- Three models are available to accommodate standing seam spacing up to 24 inches *(610 mm)*.

Metal Sheathing Design

- Designed to attach to metal sheathing with a minimum 24 gauge *(0.024-inch [.61 mm])* thickness.
- Hardware kit includes sealing materials to prevent water damage to roof.

Membrane/Built-up Design

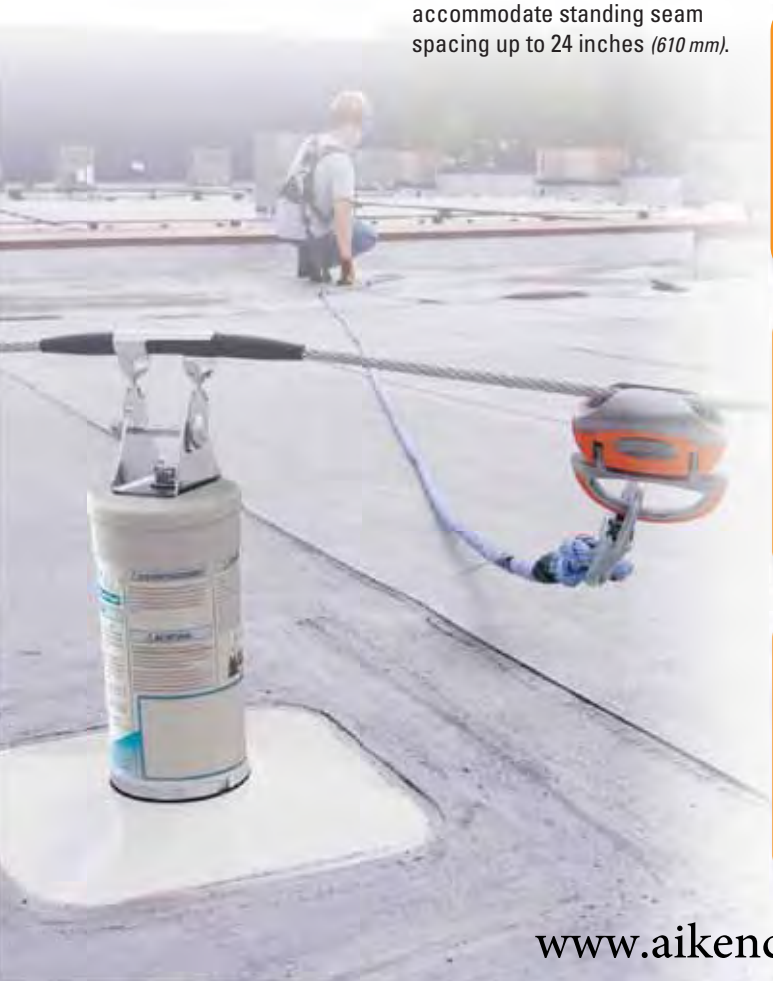
- Easy-to-install toggle kit fastens through membrane, insulation and into metal sheathing, wood sheathing or concrete.
- Models available for built-up roof thicknesses accommodate up to 10.5 inches *(267 mm)*.

Wood Design

- Includes lag screw kit.
- Installs into plywood with minimum thickness of 5/8-inch *(15.9 mm)* CDX.

Concrete Decking Design

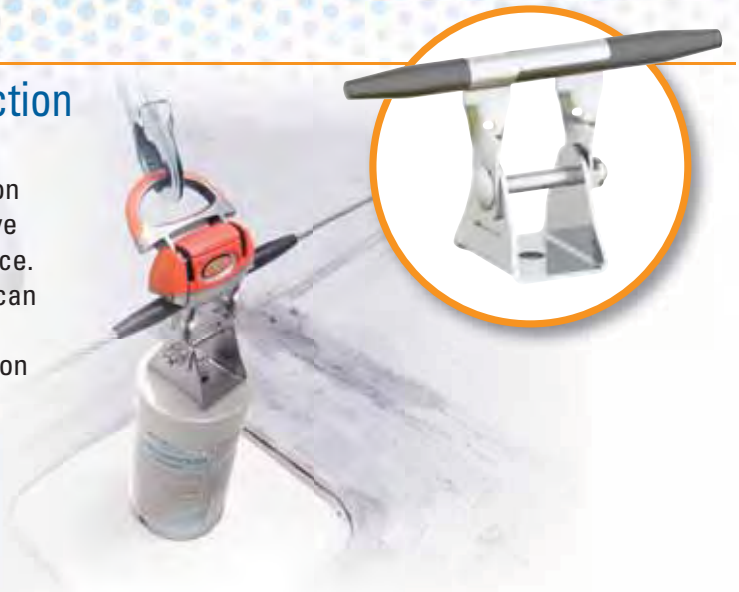
- Includes concrete expansion anchor kit.
- Installs into concrete decking with minimum thickness of 6.5 inches *(165 mm)* and minimum concrete compressive strength of 3000 PSI *(20.7 MPa)*.

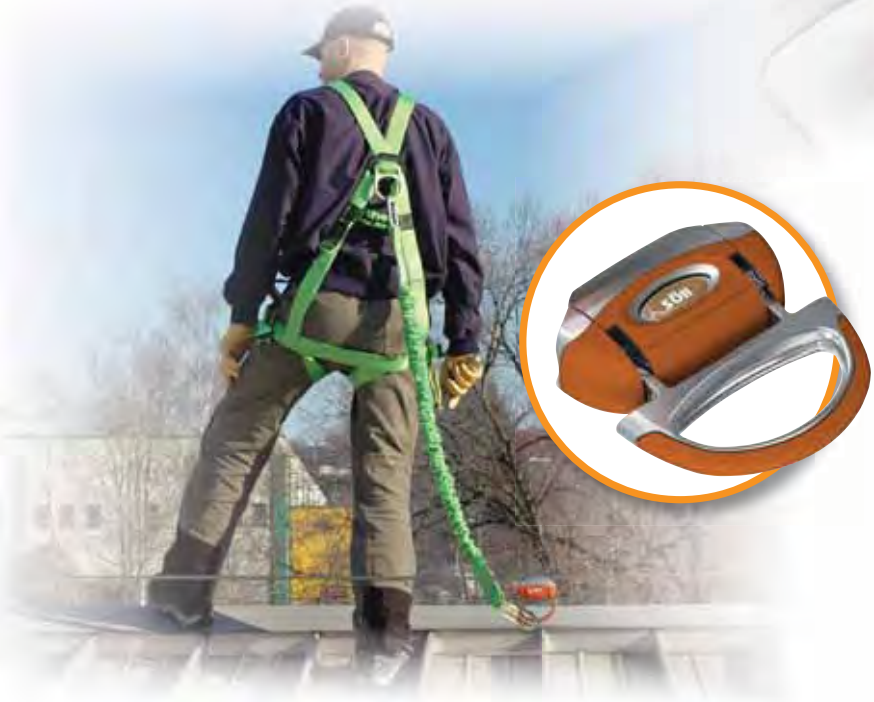


Universal Intermediate Brackets

Pass-through Design for 100% Connection

The automatic pass-through design allows for smooth passage of the Xenon® shuttle providing 100% connection to the system. The single-bolt design and easy-to-remove cable holder guide simplifies installation and maintenance. In the event of a load impact or fall, individual brackets can be replaced without disassembling or replacing the original wire rope. Available in adjustable or fixed-position styles for maximum versatility.





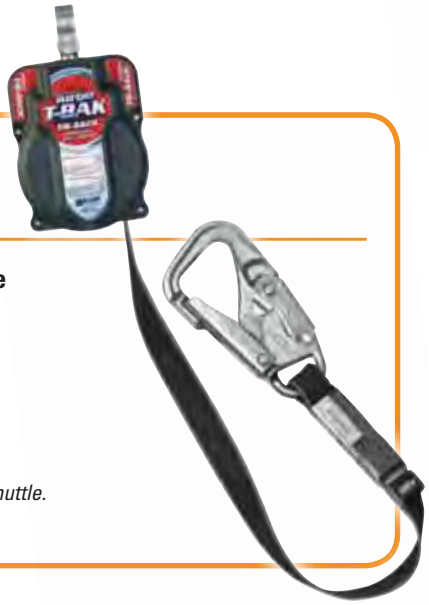
Xenon® Automatic Pass-through Shuttle

The Xenon Shuttle self-aligns for smooth pass-through of intermediate brackets. A double-locking mechanism ensures security, yet allows for easy, one-hand operation. With no moving pass-through parts, the shuttle is ideal for dusty, gritty or salty environments.

Miller Turbo T-BAK™

TurboLite™ Tie-Back Personal Fall Limiter

- Ideal for use with the **Miller ShockFusion Horizontal Lifeline System***
- **Integrated energy absorber** ensures the fall forces on the worker are reduced in the event of a fall
- **Xtreme performance webbing and the Miller 5K® Snap Hook** provide better edge protection in the event of a fall
- **7.5 ft.** ***(2.3 m)*** **working capacity** lifeline for added mobility



** When used with a ShockFusion System, the Turbo T-BAK PFL snap hook is connected directly to the Xenon shuttle. The snap hook does not get tied-back to the webbing.*

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.

MILLER®
by Honeywell