



**NEW!**

## Söll ShockFusion<sup>®</sup> Horizontal Lifeline Roof System



- Designed for light-weight industrial and commercial roof applications.
- Durable design for long-lasting, reliable installation
- Successfully tested for spans up to 20m (with loads <math><10\text{kN}</math> and 4 users in the same span)

**MILLER<sup>®</sup>**

by Honeywell

## Unique engineered design optimises safety performance

The Söll ShockFusion® horizontal lifeline (HLL) system reduces fall distance (minimised line deflection) while effectively managing system forces to maintain a safe connection to a variety of roof structures. The unique surface-mounted design eliminates the need to penetrate the roof structure, making installation quick and easy while reducing labour costs.

### Increased mobility and safety for working at height

The new and unique end corner roof posts minimise lifeline deflection, and are certified for up to 6 workers.

- Low fall clearance installation is possible (i.e. in case of multiple roof elevations or lower level obstructions).
- This allows for installation at a nearer proximity to the edge (providing access to guttering, chimney)
- Rescue is made easier as the system minimises the distance a worker falls.
- The risk of additional workers falling (pulled by a first worker's fall) is decreased.

### Durable design for long-lasting, reliable installation

- Direct attachment to the roof surface eliminates the need for structural roof penetration therefore reducing maintenance and repair.
- The energy-absorbing and load distributing design protects the underlying structure by keeping forces low whilst providing a secure connection to the roof.
- Stainless steel, zinc-plated and premium powder coated steel components ensure greater corrosion-resistance and increased durability.

### Time-efficient and cost-effective installation

- Specific energy absorbing technology integrated in the roof post allows the HLL system to be installed without an inline shock absorber.
- Direct attachment to the roof surface eliminates the need to open the roof.
- The standing seam base design with a unique “self-centering clamping mechanism” allows for quick installation.

**SUCCESSFULLY TESTED FOR SPANS UP TO 20M (WITH LOADS <10KN AND 4 USERS IN THE SAME SPAN)**



**Pass-through design for continuous fall protection**



**Curved brackets allow custom configuration**



**Unique end & corner posts reduce fall clearance**



## Söll ShockFusion® HLL System end & corner post

In the event of a fall, the Söll ShockFusion End & Corner Roof Posts' "non-tip-over" design absorbs energy, reduces line deflection and therefore requires less fall clearance.



Söll ShockFusion® roof post with cable end including tension indicator

Söll ShockFusion® HLL System conforms to EN795 Class C



Söll ShockFusion® roof post with 45° and 90° corner bracket

## Söll Fusion® intermediate roof post

Söll Fusion® intermediate posts absorb energy and keep forces close to the roof surface – Unlike end and corner posts, the tipping action of intermediate posts adds very little lifeline length. It positions the line close to the roof surface for a reduction in force to the post base.



Söll Fusion® roof post with bendable pass-through bracket

## Söll Fusion® Roof Anchor Post

Söll Fusion® single anchorage point benefits from the same characteristics as the Söll Fusion® intermediate roof post. The single anchorage point is tested for connecting up to 2 people while maintaining loads on the structure below 10kN.



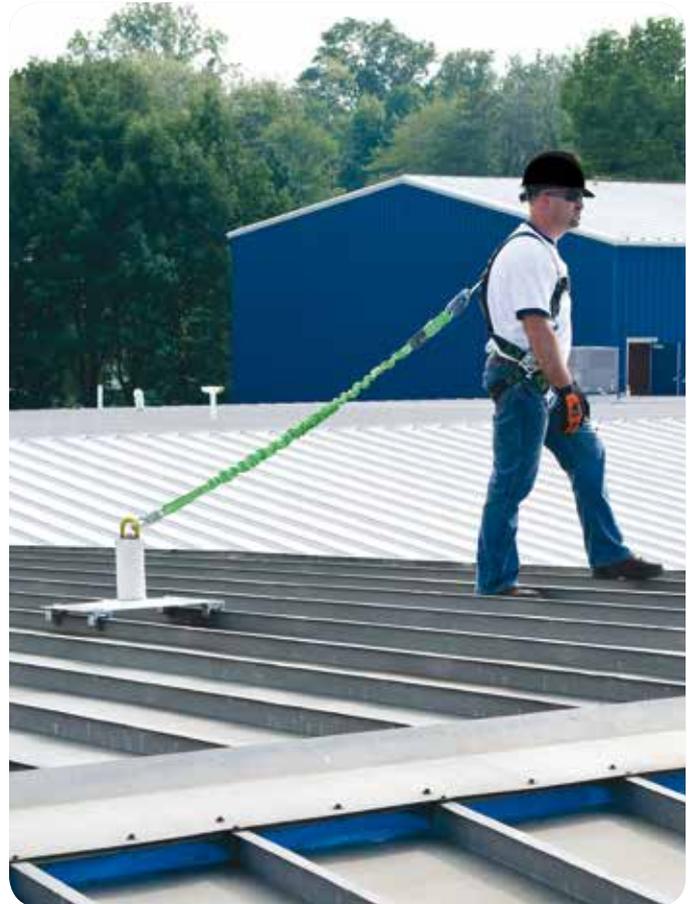
**360° protection :** In the event of a fall, the Söll Fusion® Roof Anchor Post collapses in the direction of the force, the built-in, energy-absorbing component activates and the base remains securely attached to the roof surface.

Söll Fusion® Roof Anchor Post conforms to EN795 Class A.

## Adapts to a variety of roof structures

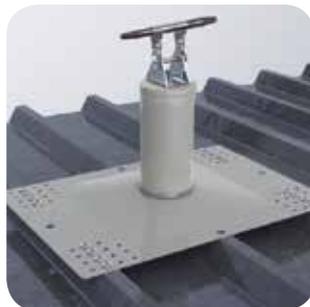
### Standing seam design

- 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 (standard clamps also available)
- Base plate accommodates standing seam spacing up to 610 mm.



### Sheet metal design

- Designed to attach to metal sheeting with a minimum 0.5 mm thickness using bulb-tite rivets.
- Hardware kit includes sealing materials to prevent water damage to roof.



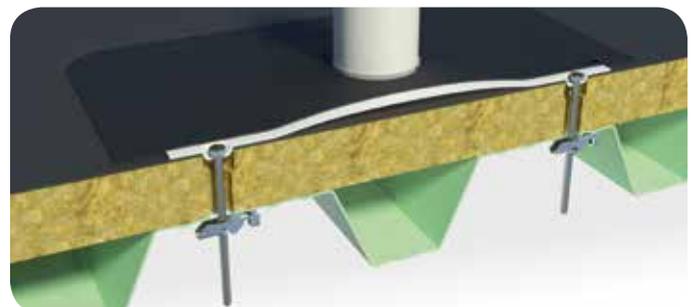
### Concrete decking design

- Includes concrete expansion anchor kit.
- Installs into concrete decking with minimum thickness of 165 mm and minimum concrete compressive strength of 20 N/mm<sup>2</sup> (C 20/25 - C 50/60)



### Membrane/built-up design

- Easy-to-install fixing kits fasten through membrane and insulation into roof substructures. Unique waterproofing technology prevents any water penetration underneath the base-plate without requiring a water sealing collar.
- Toggle bolts available for built-up roof on metal sheeting with a thickness up to 280mm



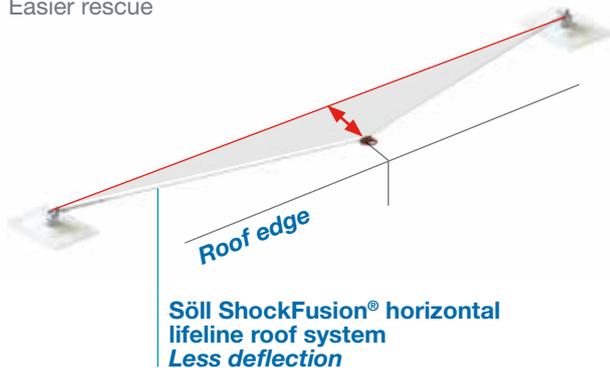
Membrane toggle bolts

# Söll ShockFusion® end and corner posts are engineered to keep system forces consistently low during a fall while minimising fall clearance requirements

Söll ShockFusion® posts effectively manage system forces without tipping over. Other surface mount end posts on the market tip over, adding excessive deflection into the line.

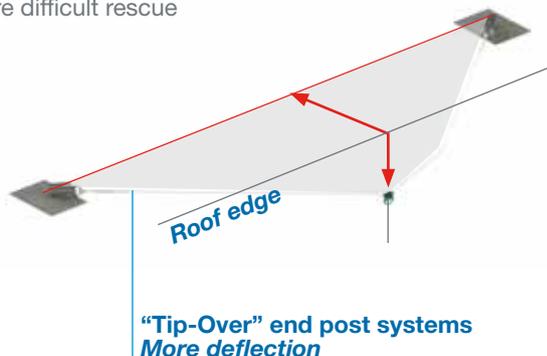
## **Söll** **ShockFusion®** **Horizontal Lifeline Roof System**

- Minimises fall clearance
- Reduces hazard zone for multiple workers
- Easier rescue



### Standard “Tip-Over” horizontal lifeline roof system

- Requires more fall clearance
- Creates large hazard zone for multiple workers
- More difficult rescue



## Applications

- Roof inspection and maintenance
- Air conditioning, ventilation fan and solar panel maintenance
- Skylight cleaning
- Debris removal from gutters
- Installation and maintenance of satellite dishes and other communication systems

## Universal intermediate and corner brackets

Pass-through design for 100% connection

The automatic pass-through design allows for smooth passage of the Söll 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 dismantling or replacing the original wire rope.



## Söll Xenon® automatic pass-through shuttle

The Söll Xenon® Shuttle self-aligns for smooth pass-through of intermediate and corner brackets. A double-locking mechanism ensures security, yet allows for easy one-handed operation.



## Miller Scorpion™ and Miller Manyard® edge-tested personal fall limiters

- Ideal for use with the Söll ShockFusion® horizontal lifeline system
- Integrated energy absorber ensures the fall arrest forces on the worker are reduced in the event of a fall
- Miller Scorpion provides 2.7m working capacity with edge tested retractable webbing lifeline
- Miller Manyard provides 2m working capacity in a light and stretchable edge-tested lanyard



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