



SAFETY AT THE HIGHEST LEVEL

# The Safety Solution for Horizontal Lifelines



- CONFORMS TO ANSI/ASSE Z359, CAN/CSA Z259
- ALLOWS SPANS OF UP TO 50 FEET AND 3 USERS
- COST EFFECTIVE HORIZONTAL LIFELINE
- FOR ROOF INSTALLATION OR HORIZONTAL/SIDE-MOUNTED APPLICATIONS ON STRUCTURES



CSI 077200  
June 2010



Independently tested to  
OSHA Standard 29 CFR 1910.66 & 1926.502  
Ontario OHS Act  
Meets ANSI Standards

## HORIZONTAL LIFELINES

**KEELINE** is a horizontal lifeline system with 5/16 inch Grade 316 stainless steel wire with electro-polished brackets, detachable travellers and powder coated anchors that provides flexible, continuous protection for multiple users working at height. The system incorporates an Inline Shock Absorber that minimizes the loads to an acceptable level for both the user and structure in the event of a fall. The Inline Shock Absorber also allows the system to be installed to various lightweight modern roof constructions. Unlike other systems, there is no need for expensive 'fall over' posts at every support, but instead **KEELINE** features unique 'see through' top mount posts with minimal roof penetration required. To ensure simple specification **KEELINE** installations can be designed using our calculation software. **KEELINE** is also available for use with the **WIREANKA** product line of deadweight anchors when there is a preference not to penetrate the roof at all, for permanent or temporary applications. **KEELINE** conforms to ANSI/ASSE Z359.1 2007, OSHA 1910.66, 1926.502, CAN/CSA Z259, EN795 Class C and AS/NZ S 1891.2 and is CE marked.



## Benefits & Features

- Efficient heavy duty in-line absorber negates the need for expensive 'fall over' style posts at every bracket position.
- Maximum span in between supports 50 feet
- Accommodates corners and varying building shapes
- Comprehensive range of mounting options
- Horizontal or side-mounted applications
- Traveller enables users to detach or re-attach at any point of the system
- Allows for multiple users
- Durable and weather resistant
- Modular design for easier specification and simplified installation
- Grade 316 Stainless Steel 5/16 inch diameter wire and bracket
- Tested on 'as built' roofs for various global markets
- CE Approved to the PPE Guidelines
- The design and specification process is simplified by our unique propriety calculation software
- Easy to design and install
- Available with non-penetrating roof WIREANKA option

## KEELINE for STRUCTURES

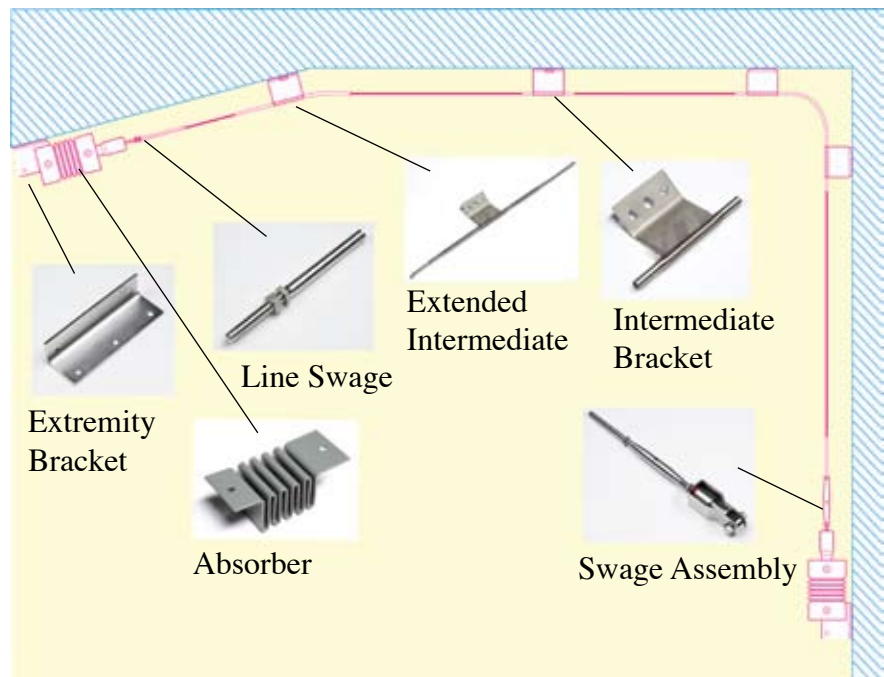
**KEELINE** for structures is accomplished with brackets that fix directly to steel, concrete, brick or stonework. This system is suitable for horizontal or side-mounted applications.



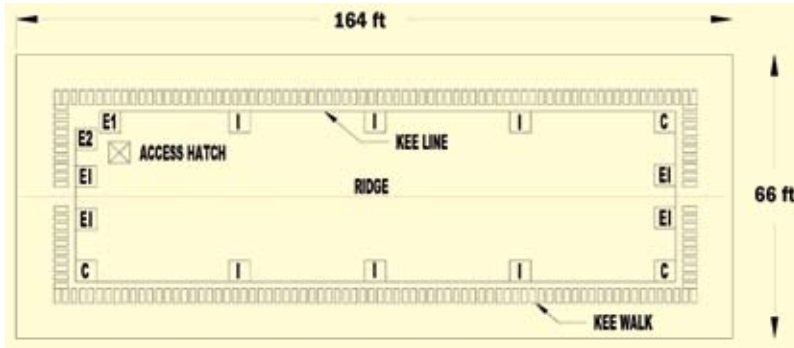
Structural Corner Mounting



Tension Indicator & Swage Assembly



# KEE LINE for ROOFS



**E1 - Extremity Assembly (start of system)**



Includes:  
Upright Post  
Absorber  
Tension Indicator  
& Swage Assembly

**I - Intermediate Assembly**



Includes:  
Upright Post  
Extended Intermediate Bracket

**C - Corner Assembly (90° or 135° options)**



Includes:  
Upright Post  
Corner Bracket

**EI - Extended Intermediate Assembly**



Includes:  
Upright Post  
Intermediate Bracket  
(adjustable up to 15°)

**E2 - Extremity Assembly (end of system)**



Includes:  
Upright Post  
Absorber  
Swage Assembly

## BASE PLATE OPTIONS

KEELINE has two base plate options to ensure easier specification and to minimize stock holding. The range of base plates have been designed to suit end, corner and intermediate brackets.



**MR base plates** are for metal profiled roofs.

- Attached with rivets - minimal penetration required
- Includes iso-butyl sealing strip to maintain roofs integrity and eliminate any leaks
- Pre-drilled hole centers : 12in and 14.6 in



**MR base plates** are for standing seam roofs.

- Fixed with non penetrating S5 clamps
- Pre-drilled hole centers: 16in, 18in and 24in



**FR base plates** are for membrane roofs with metal deck.

- Top mounted with resin fix anchors centers: 15.6in, 13in and 18.3in
- Fixing centers: 15.6in, 13in and 18.3in to suit wide range of standard deck profiles



**FR base plates** are for membrane roofs with concrete deck.

- Top mounted with resin fix anchors centers: 15.6in, 13in and 18.3in



## KEELINE for Roofs using Postanka

The Kee Safety POSTANKA product range offers an alternative attachment method when the roof structure is unsuitable for KEELINE top mount anchors.

POSTANKA'S are designed to be installed directly to the building supporting structure for example on traditional sloping roofs, historical buildings, or directly to concrete roof decks for KEE LINE systems on green roofs or for rope mount (abseil) anchor points. Conforms to ANSI/ASSE Z359.

### FIXED ANCHOR POINT

A welded pedestal fixed anchor has a flat base plate with slotted holes to enable it to be specified for a wide range of steelwork flange widths or alternatively for mounting directly to the top of concrete roof decks with suitable fasteners. The design does not require any strengthening gussets so it makes it easy to weatherproof by an approved roofing contractor. All systems are designed for components that are rated for the industry standard 900 pounds maximum arresting force (MAF). MAF is defined as the shock force the body feels when decelerating from a fall. For applications with higher potential force custom systems can be specially designed as high as the OSHA specified 1800 lbs MAF.

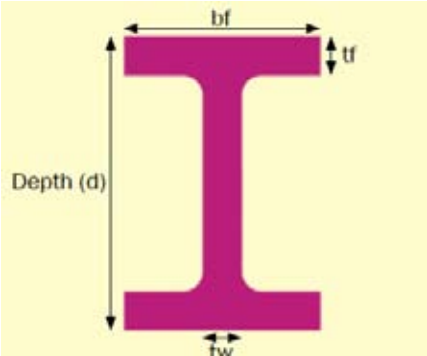


### POSTANKA OPTIONS

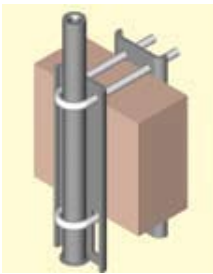
Kee Safety provides a range of POSTANKA types quickly designed and manufactured to suit the clients specific application. Galvanized finish to BS ISO EN 1461.

Site information required:

- Detail of support beam
- Height of POSTANKA above beam
- Fastener/fixing detail
- Desired Loading Requirements



The **Type 3** post features an adjustable pedestal, ideal for irregular support structures or roof constructions.



**Type 3**

The **Type 6** is suitable for steelwork and concrete fixing.



**Type 6**



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