

# HEIGHTSAFETYLINE™

# 360

heightsafe

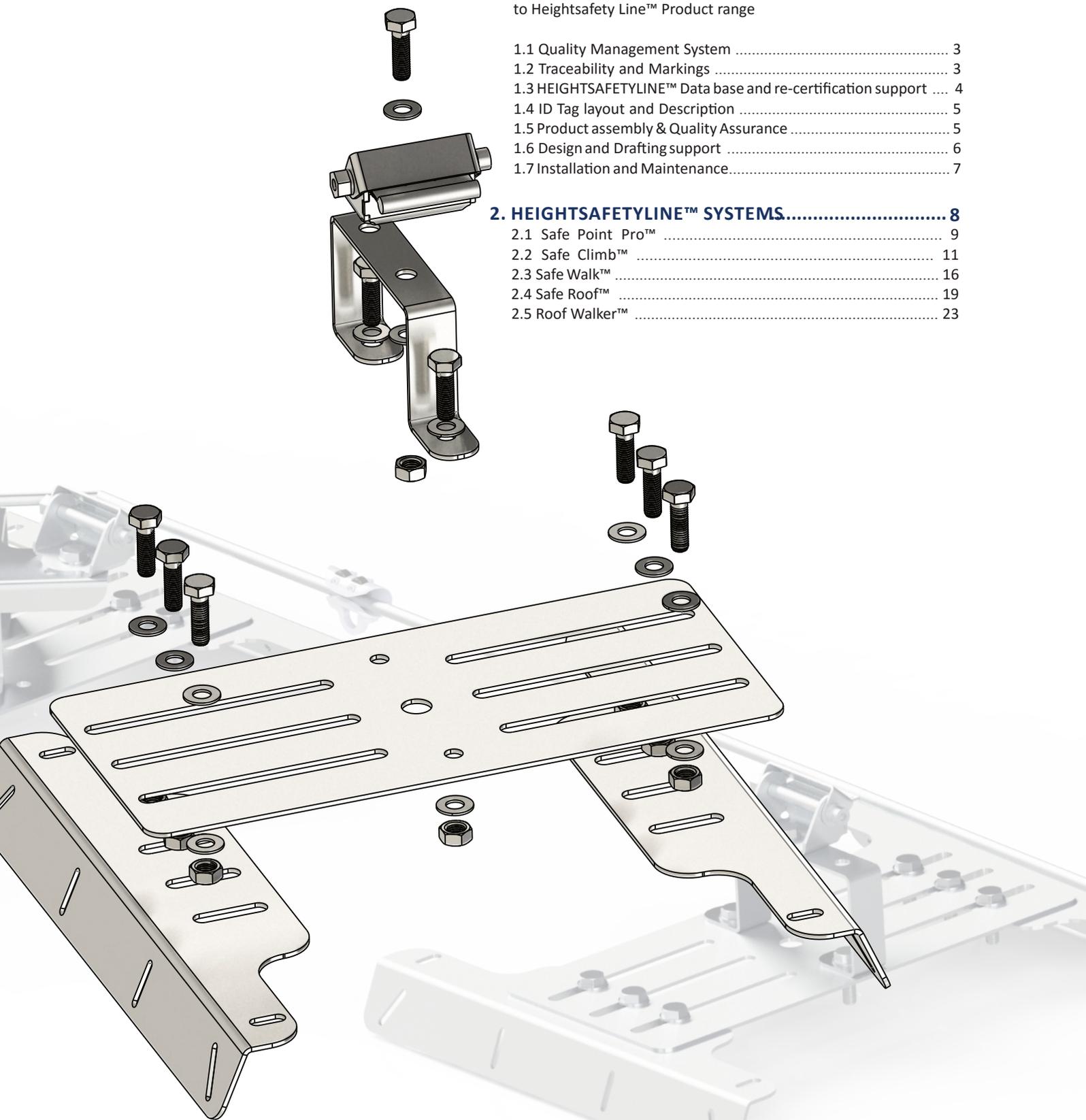
TRAINING GEAR PROJECTS

2021

# CATALOGUE

PERMANENT FALL ARREST AND ROPE  
ACCESS ANCHOR SOLUTIONS.





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to Heightsafety Line™ Product range

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# 1.

## HEIGHTSAFETYLINE™

HEIGHTSAFETYLINE™ is a range of permanent engineered anchor solutions for safe working-at-height access, when using Fall Arrest and or Rope Access Techniques. This uniquely patented design incorporates durability and simplicity to ensure an easy to use, and low maintenance access solution.

With two decades of experience in the working at height industry we are able to provide cost effective product support that includes concept design, implementation, manufacturing, installation, maintenance and orientation training for our safe working at height anchoring system.

Our product support will minimize the risk by recommending the best suited system for the maintenance access application.

Our broad distribution network and certified installers are able to provide a turnkey solution for all Height Safe access requirements.

### 1.1

## HEIGHTSAFETYLINE™

The quality of our product range is managed through a certified ISO 9001: 2015 Quality Management System that includes supported continual improvement plans and batch tests too guarantee a quality product every time.

### 1.2

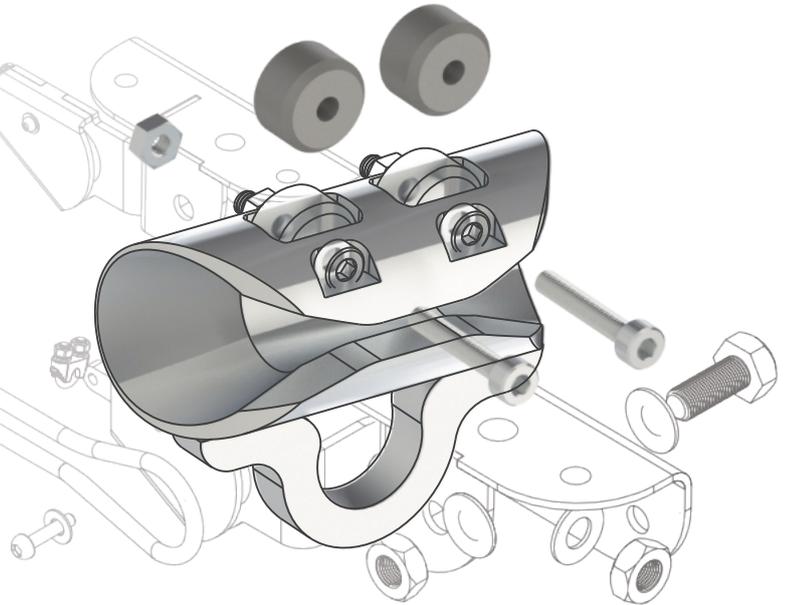
## HEIGHTSAFETYLINE™

The traceability of each component is guaranteed through its unique serial number that is clearly visible on the item itself. The serial number indicates the following:

**HEIGHTSAFETYLINE™**

Top Base Plate  
HSL08B/290/13-03-0377  
SANS 50795-1

## Product Introduction



## Quality Management System



## Traceability and marking

<u>HSL08B/290/13-03-0377</u>	3.1	Item Code
HSL08B/290/13-03-0377	3.2	Year of manufacture
HSL08B/290/13-03-0377	3.3	Batch number
HSL08B/290/13-03-0377	3.4	Item number in the batch



# 1.4

## HEIGHTSAFETYLINE™

### ID Tag layout and description

All the serial numbers of each component that forms part of a prepared and or installed system, can be traced back to the serial number on the ID tag through the online data base system.

The unique ID tag incorporates all the required information of the provided safe working at height system

**1. THE SERIAL NO:**

Incorporates all parts and components of the anchoring system through the data base linked to this new serial no. All joined parts can now be traced back via this unique identification number.

**2. SAFE WORKING LOAD:**

The maximum number of users that may use the system is indicated on the TAG?

**3. STANDARD:**

The SANS 50 Standard that the product conforms to is indicated in the block next to the standard. It is either SANS 50 353 for vertical life lines and SANS 50 795 for anchor points and horizontal life lines.

**4. CERTIFICATION DATE:**

The system must be re-inspected and re-certified safe to use on an annual basis. The next certification date is indicated in the small circle on the edge of the TAG.



**HEIGHTSAFETYLINE™**

**WARNING** FALL ARREST SYSTEM TO BE USED AT ALL TIMES!  
VERTICAL & HORIZONTAL LIFELINES TO BE USED BEYOND THIS POINT

SYSTEM INSTALLED & MAINTAINED BY: \_\_\_\_\_

Fall Arrest system may only be used by proven competent personnel who connects to the fall arrest system by a certified full body harness and fall arrest device.  
Failure to understand the risks involved may result in serious injury or even death.

Only use the system after checking that the inspection date marked on the ID plate (round disc) falls within the 12 month certified period. DO NOT USE IF OVERDUE for re-certification that the system is Overdue, please report it to the Site Safety Officer.

WORKING AT HEIGHT ACTIVITIES IS POTENTIALLY DANGEROUS. FAILURE TO ABIDE BY THESE WARNINGS MAY RESULT IN SERIOUS INJURY OR DEATH.

Systems installed on this site:

LINE	SERIAL NUMBERS	LAST CERTIFICATION DATE				
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

Phone: 0861 127 749 | Website: www.heightsafety.co.za



# 1.5

## HEIGHTSAFETYLINE™

### Quality Assurance

Our quality assurance system governs our entire manufacturing, assembly and packaging process to guarantee that the life line system is ready to install.

Our assembly production line infrastructure assures a high quality output of the product.

Our new wedge socket design simplifies cable end terminations and no pull testing is required.

Each and every system comes securely packaged in its own box with all assembly components users' instructions, safety signs and installation quality assurance documents ready for installation.



**SGS**



# 1.6

## HEIGHTSAFETYLINE™

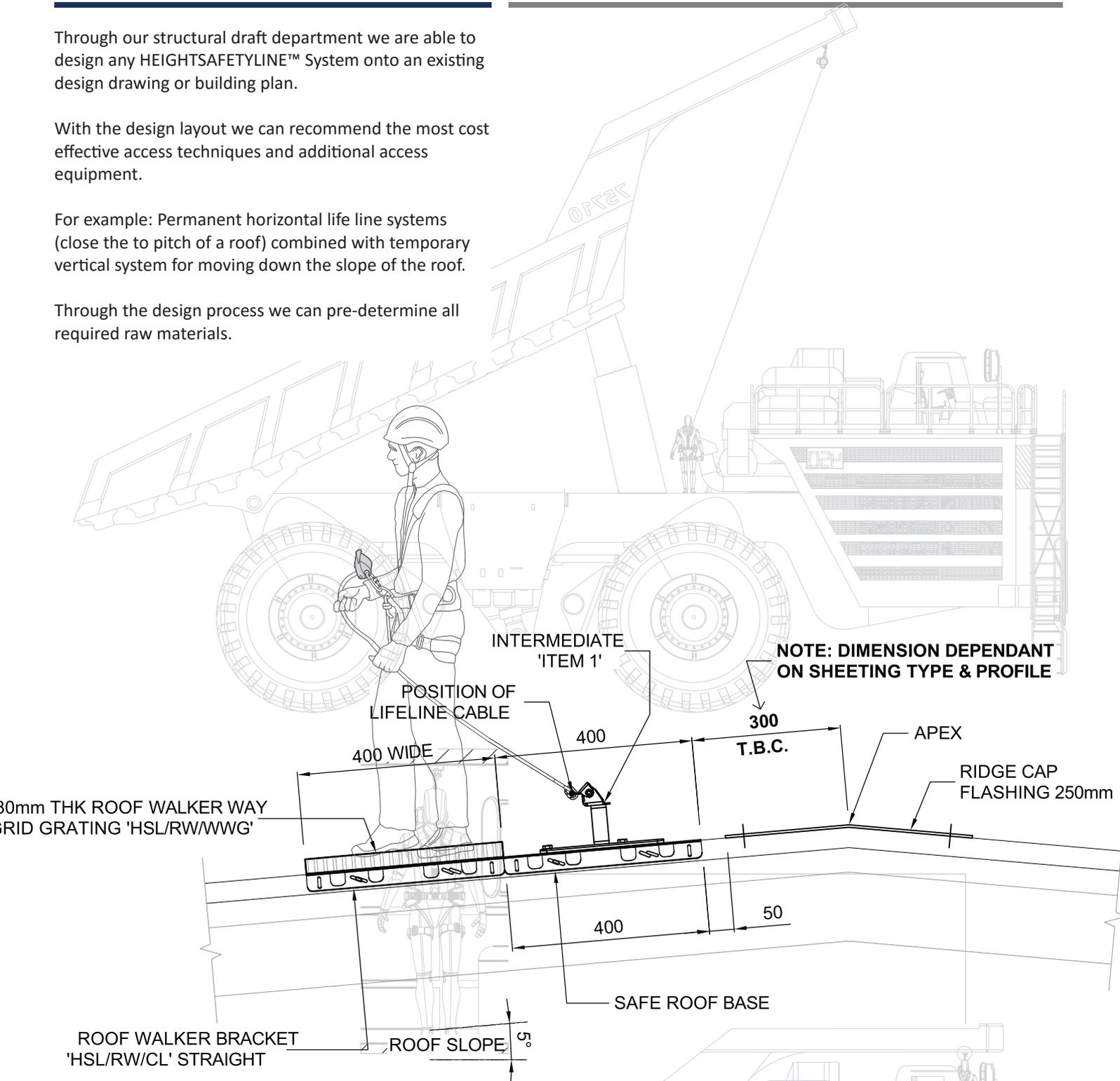
### Design and drafting support

Through our structural draft department we are able to design any HEIGHTSAFETYLINE™ System onto an existing design drawing or building plan.

With the design layout we can recommend the most cost effective access techniques and additional access equipment.

For example: Permanent horizontal life line systems (close to the pitch of a roof) combined with temporary vertical system for moving down the slope of the roof.

Through the design process we can pre-determine all required raw materials.



## TYPICAL SECTION ON SAFE ROOF WITH ROOF WALKER

SCALE 1=10

# 1.7

## HEIGHTSAFETYLINE™

### Installation and maintenance:

Installation and maintenance of all our HEIGHTSAFETYLINE™ systems can be guaranteed through our highly skilled, permanently employed rope access teams or through our subcontractors that has completed the certified installer course.

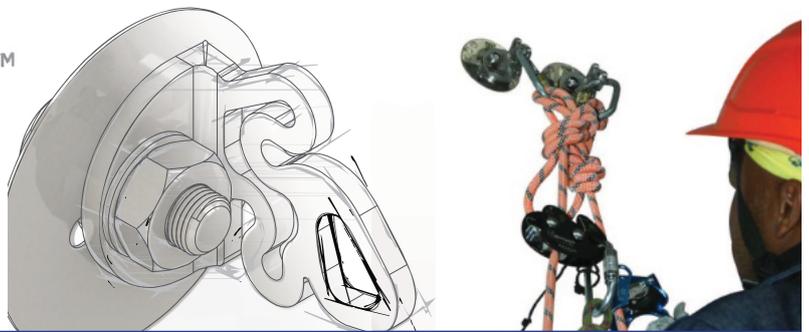
All teams are fully mobile and equipped to do any type of life line installation on the most safety strenuous work site.

By making use of a combination of rope access and fall arrest techniques we are able to safely, access the most difficult installation areas in a very short turnaround time.

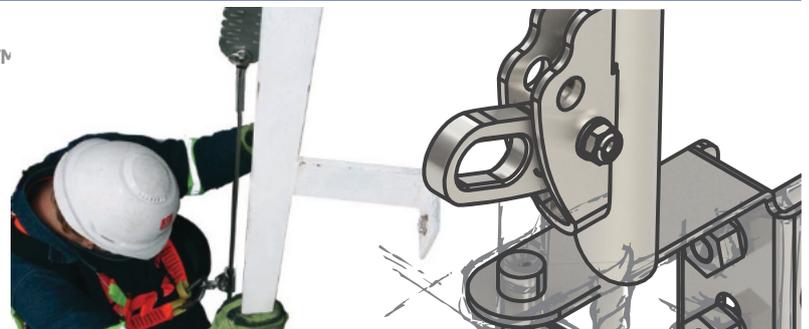
Each installation technician is trained and registered on the HEIGHTSAFETYLINE™ data base as a certified installer. All installations done by a certain technician can be traced back to that specific installer



### HEIGHTSAFETYLINE™ SAFEPOINT



### HEIGHTSAFETYLINE™ SAFECLIMB



### HEIGHTSAFETYLINE™ SAFEWALK



### HEIGHTSAFETYLINE™ SAFEROOF



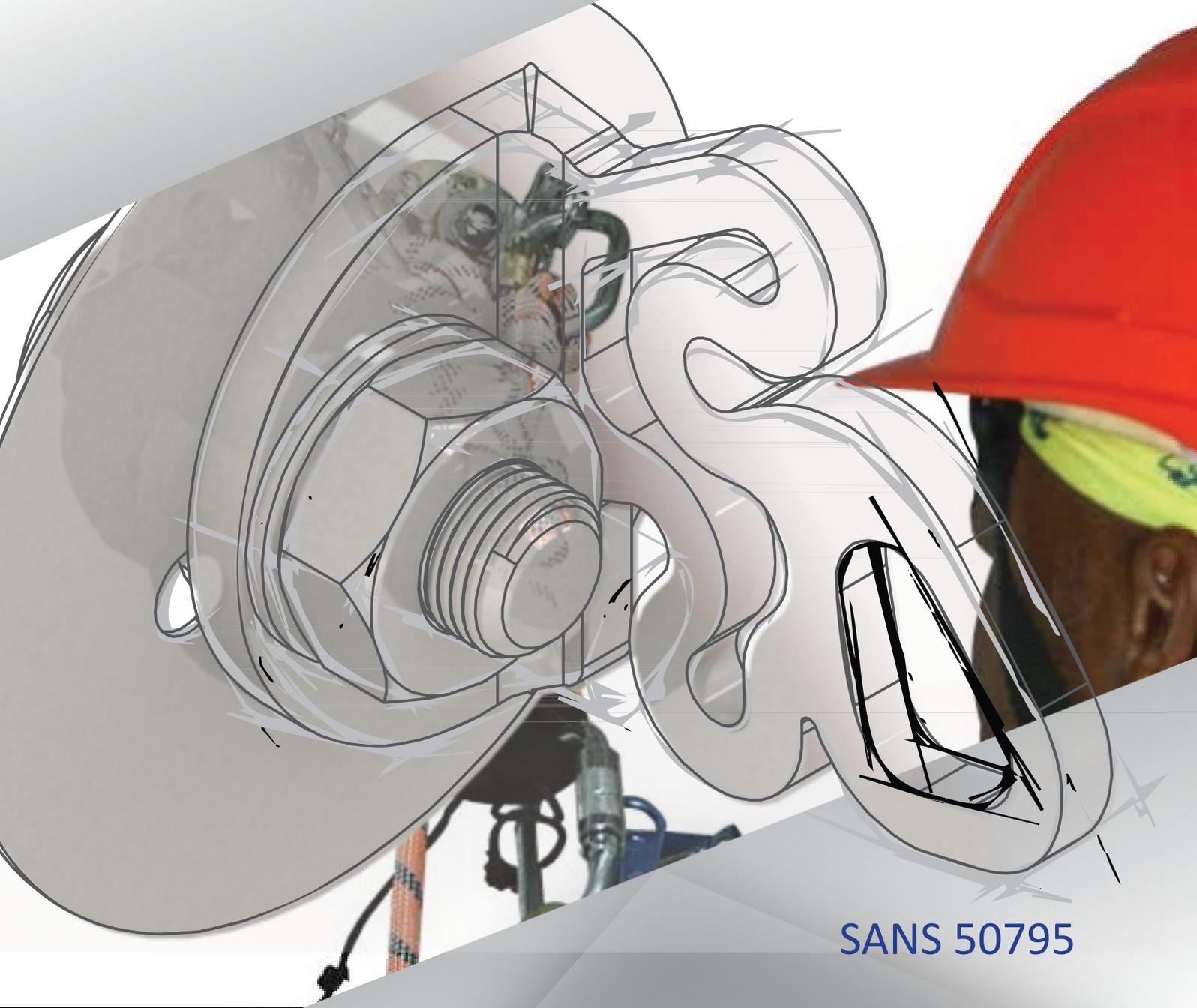
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## HEIGHTSAFETYLINE™ SAFEPOINT



SANS 50795



## 2.1

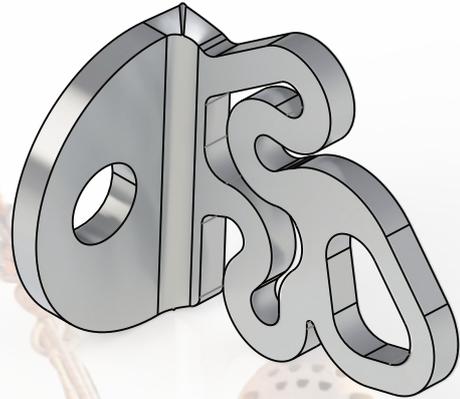
### HEIGHTSAFELINE™

The Heightsafetyline™ Safe Point Pro™ is a permanent anchor point that can be used for Fall Arrest, Rope Access and Rope Rescue applications. The new design of the Safe Point Pro replaces the old Safe Point design and is a more balanced symmetrical design that ensures equal force distribution during a fall.

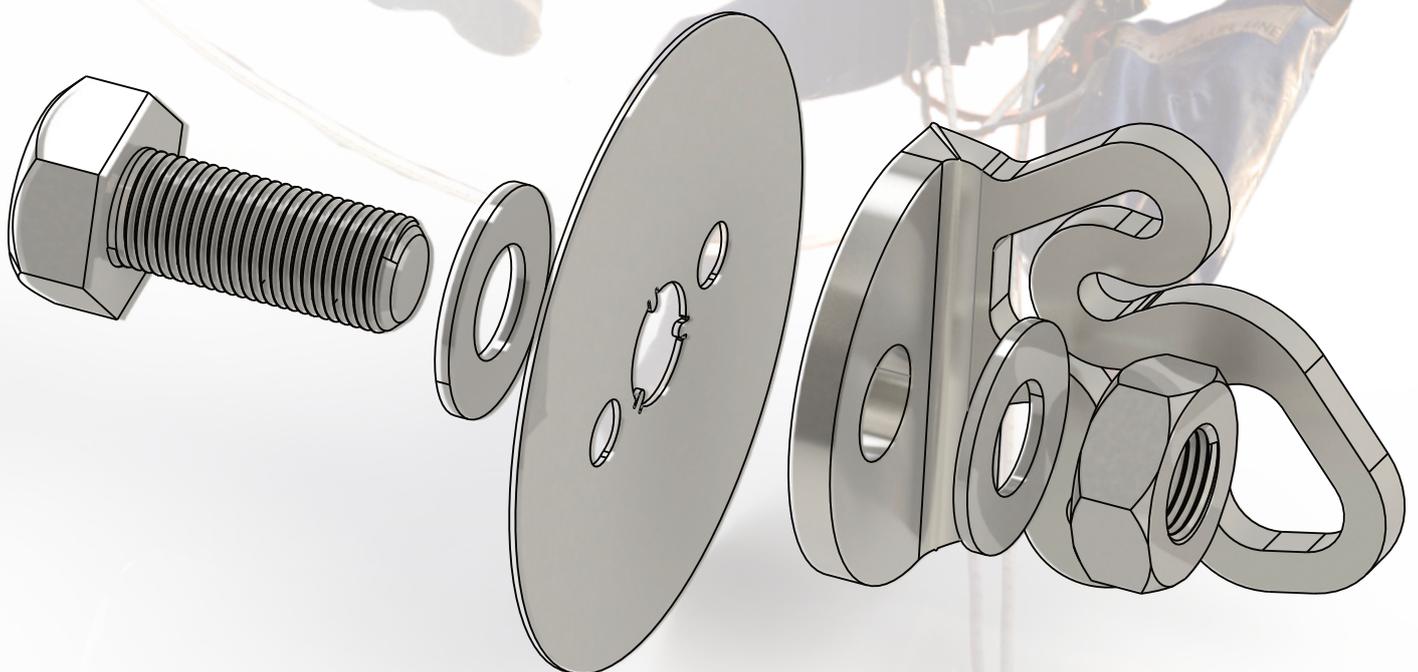
The Safe Point Pro™ does not only allow for a fast, safe and an easy anchoring point but will also assist in absorbing the energy in the event of the fall. Manufactured from a 316 grade stainless steel of 4,5 mm thick the Safe Point™ is a robust, weather proof device that will last in the harshest conditions. The shock absorber will keep the forces generated during the fall below 6 KN and once fully deployed the failure point of the material is 50 KN.

This unique patented anchor system design, allows for easy attachment to almost any type of structure. Safe Point Pro™ has no moving parts and or components that can get lost or that require additional maintenance. The simple easy-to-use anchoring system will guarantee the safest anchoring connection on this planet.

### Safe Point™



Safe Point - [HSL/SP/COM](#)  
Patent: 2015/08346



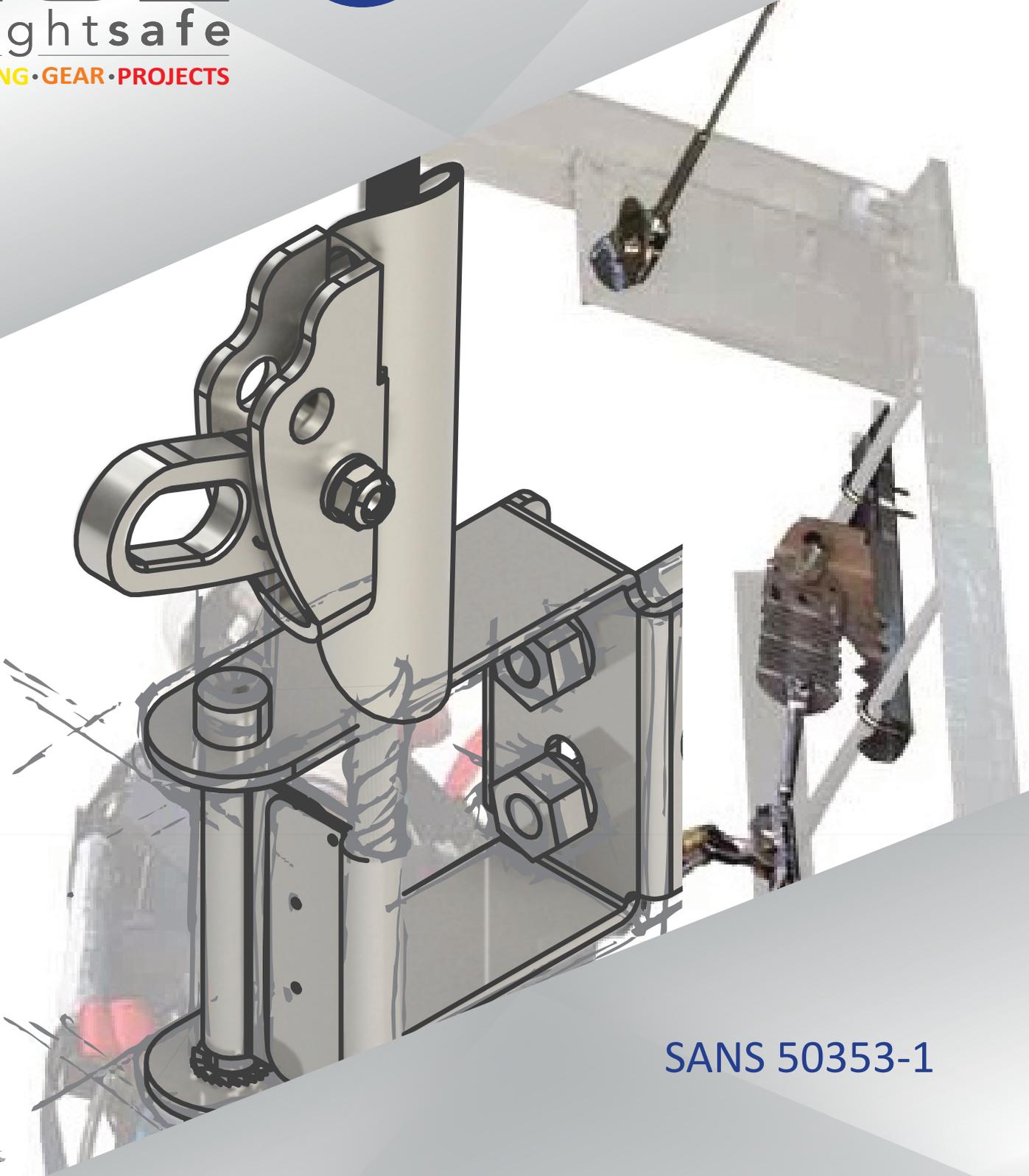
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HEIGHTSAFETYLINE™  
SAFECLIMB



SANS 50353-1



## 2.2

### SAFE CLIMB™

### Systems

SAFE CLIMB™ is a durable, permanent, vertical fall arrest life line system designed specifically for structures where climbing is required. The advantage of using SAFE CLIMB™ system is that a fall arrest anchoring solution is permanently available.

SAFE CLIMB™ incorporates simplicity and low maintenance in the design as well as an easy to use system where all parts, components and accessories are permanently present ready to be used.

The entire SAFE CLIMB™ system is manufactured from a 316 grade stainless steel and the parts and components are not only robust but will withstand the harshest working conditions. The system will not only arrest a fall safely but will also ensure that no additional structural damage is caused during the fall and that forces generated during a fall is kept below allowable limits. Only the shock absorber needs to be replaced in the event of a fall and not the entire system.

The fall arrest runner cannot be removed from the system. The user can connect and climb the system without requiring any additional loose components.

If more than one user is required to use the system more than one permanent fall arrest runner can be added. The entire system with mounting brackets has been designed to be as close as possible to the ladder to reduce the overall wind load factor on the structure and still look aesthetically pleasing. The shuttle has a unique lock function where the user can stop and any point on the system, lock the shuttle and disconnect or move away from the ladder to the working area. The shuttle will remain in the locked position, in the specific area, until it is required to be used again.

The shuttle also has a lock out function that can be done with a normal padlock to prevent any other user from using the system.



## 2.2

### SAFE CLIMB™

### System components

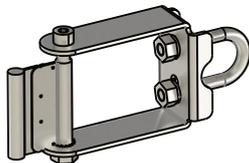


Wedge Shock Absorber      Wedge Socket  
Patent: 2016/01075

Heightsafety Line Wedge Socket Connector -  
**HSL/WS/CON**



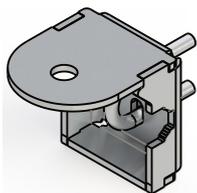
Safe Climb Top Mounting Bracket -  
**HSL/SC/TOPB**



Safe Climb Intermediate Complete -  
**HSL/SC/INTERM**



Vertical Shuttle Complete - **HSL10F/COM**



Safe Climb Bottom Mounting Bracket -  
**HSL/SC/BOTB**



Latices steel structures, Telecommunications  
& Transmission power line structures



Access ladders onto roof sections



Monopole Telecommunication Structures

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## HEIGHTSAFETYLINE™

### SAFEWALK



SANS 50795



## 2.3

### SAFE WALK™

### Systems

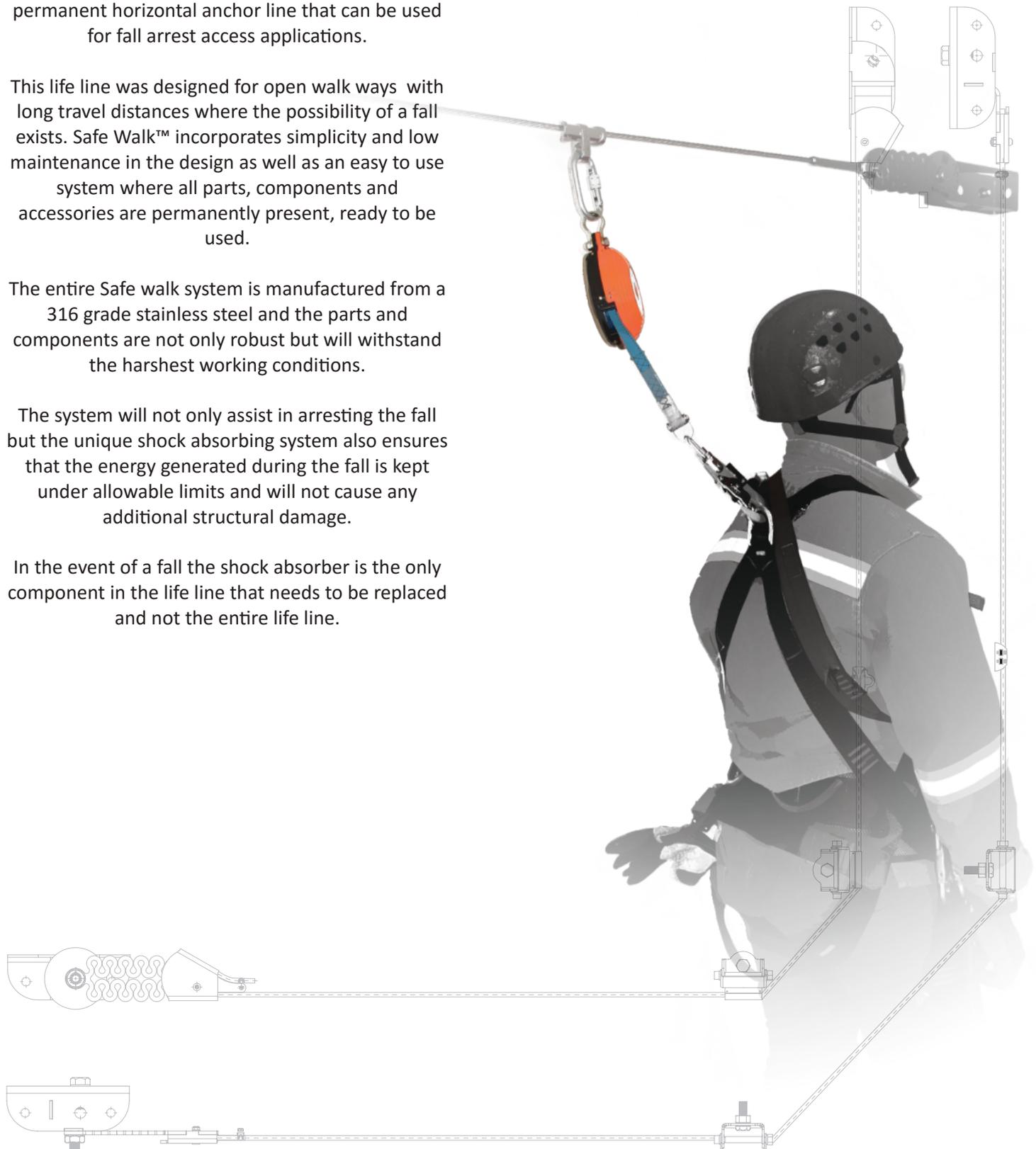
The **HEIGHTSAFETYLINE™ SAFE WALK™** is a permanent horizontal anchor line that can be used for fall arrest access applications.

This life line was designed for open walk ways with long travel distances where the possibility of a fall exists. Safe Walk™ incorporates simplicity and low maintenance in the design as well as an easy to use system where all parts, components and accessories are permanently present, ready to be used.

The entire Safe walk system is manufactured from a 316 grade stainless steel and the parts and components are not only robust but will withstand the harshest working conditions.

The system will not only assist in arresting the fall but the unique shock absorbing system also ensures that the energy generated during the fall is kept under allowable limits and will not cause any additional structural damage.

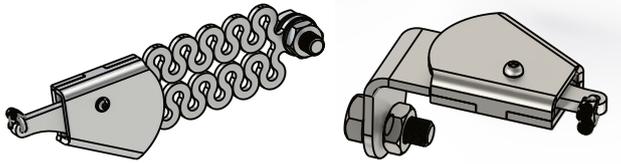
In the event of a fall the shock absorber is the only component in the life line that needs to be replaced and not the entire life line.



## 2.3

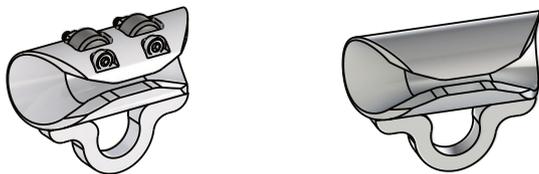
### SAFE WALK™

### System components

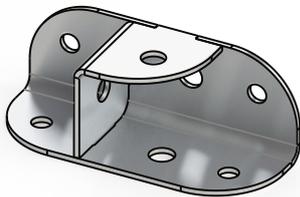


Wedge Shock Absorber      Wedge Socket  
Patent: 2016/01075

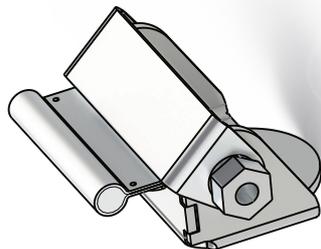
Heightsafety Line Wedge Socket Connector -  
**HSL/WS/CON**



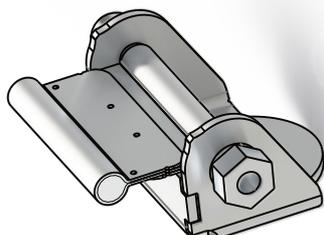
Horizontal Shuttle with bearing -  
**HSL10EB/COM**      Horizontal Shuttle -  
**HSL10E/1**  
Patent: 2015/08344



Universal Bracket - **HSL04D**



Safe Walk Overhead Line Intermediate Bracket -  
**HSL/SW/INTERM2**



Safe Walk Intermediate Bracket -  
**HSL/SW/INTERM1**

Truck loading bays



Truck loading bays



Open walk ways



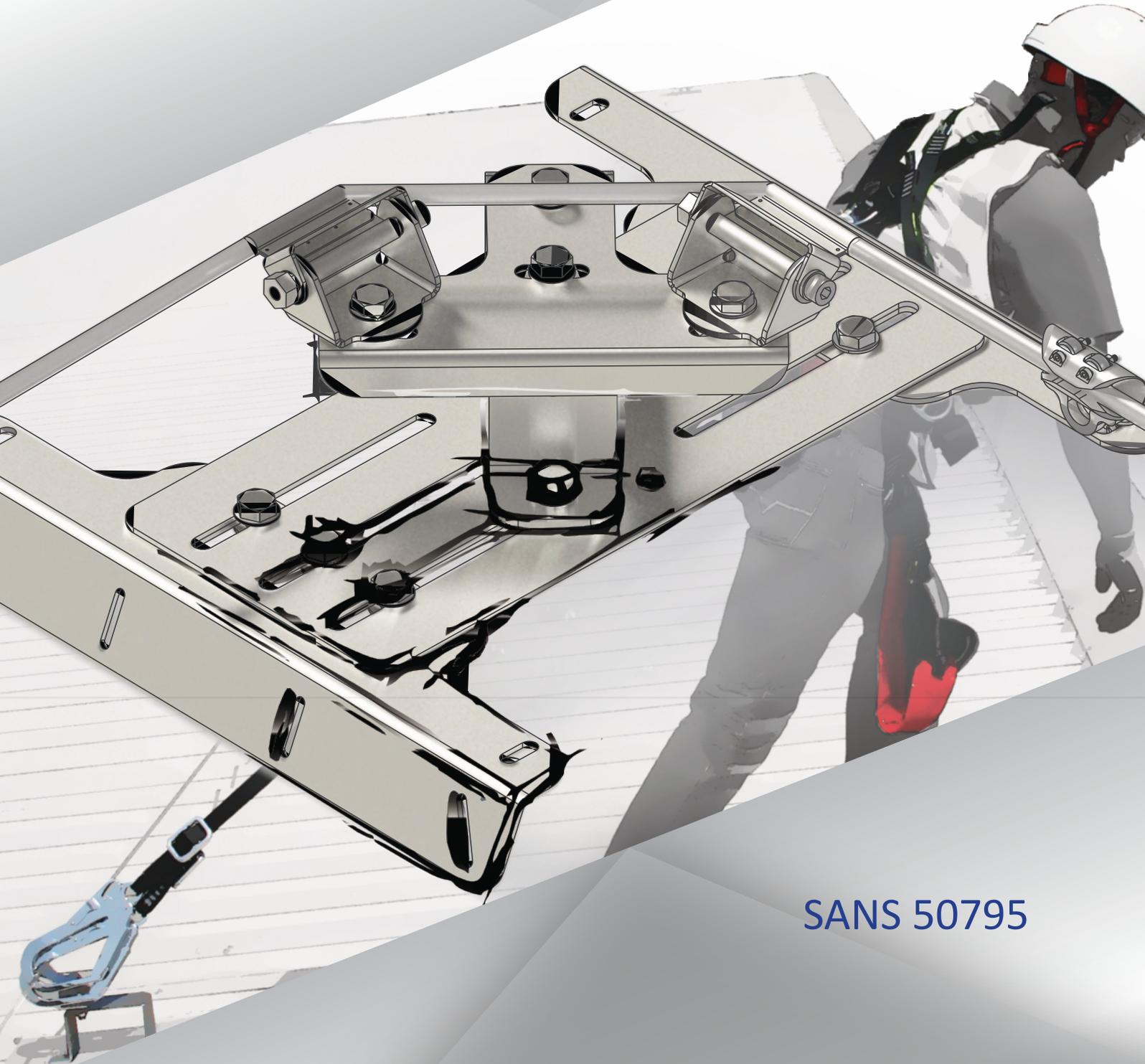
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## HEIGHTSAFETYLINE™ SAFEROOF



SANS 50795



## 2.4

### SAFE ROOF™

Safe roof™ is a permanent horizontal life line fall arrest system, designed specifically for corrugated sheet metal type roofs.

The Safe Roof™ guarantees permanent fall arrest attachment at all times, via a non-removable shuttle that will slide past the intermediate anchor points and around corners without having to disconnect at any time. The system can be used for both restraint and fall arrest applications. Safe Roof™ will not only assist in arresting the fall but the unique shock absorbing system also ensures that the energy generated during the fall is kept below allowable limits and will not cause any additional structural damage. The shock absorber is the only component that needs replacement in the event of a fall. This system comprises of an adjustable Safe base anchoring system that can be connected directly to the roof sheeting and or to the roof truss system under the sheeting. The permanent life line system is then mounted onto this base system to form a fall arrest anchoring line that can cover all the required access areas on the roof. The adjustable base allows for connection onto a variety of corrugated roof designs. All intermediate base brackets are collapsible and will also indicate overloading of the system.

### Systems

With all Heightsafety Line range products the Safe Roof™ also incorporates simplicity and low maintenance in the design as well as an easy to use system where all parts, components and accessories are permanently present ready to be used.

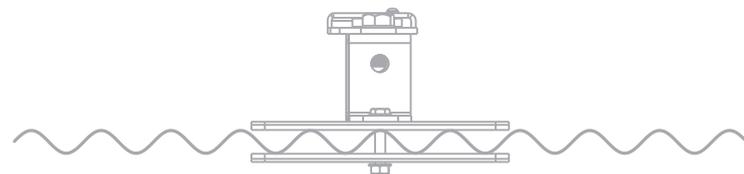
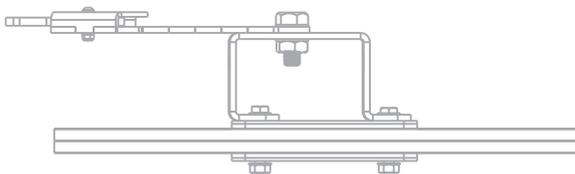
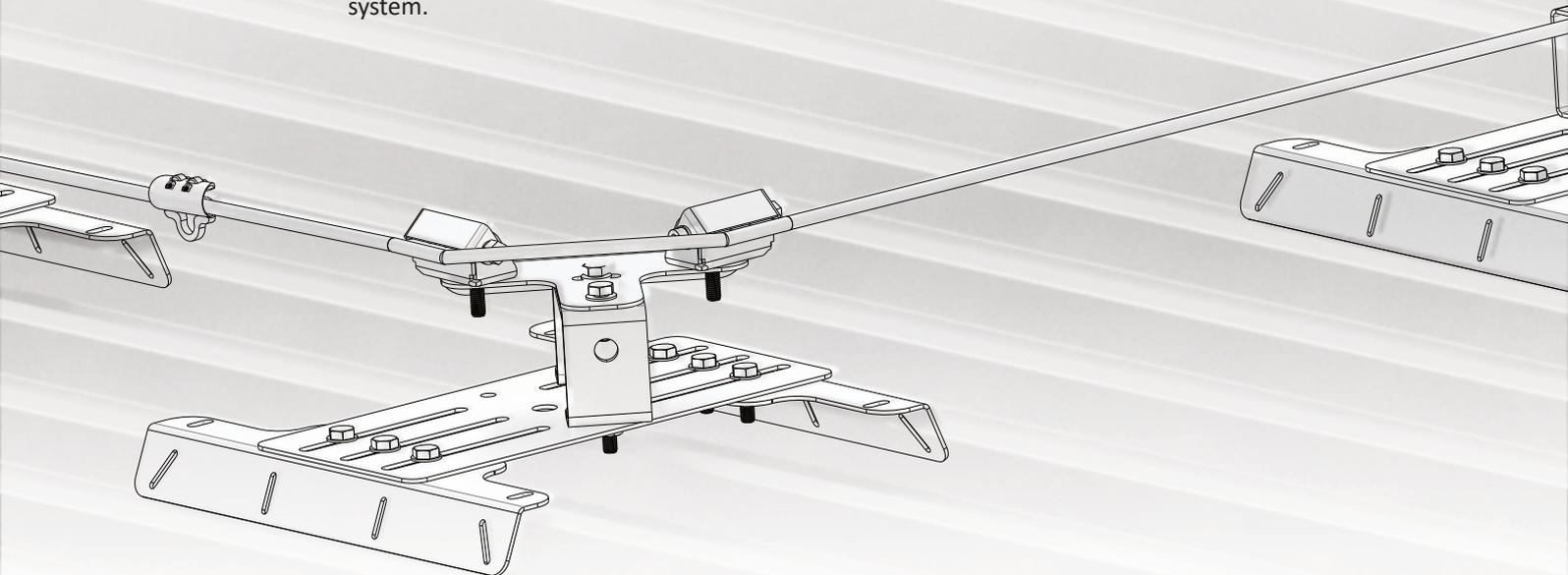
The entire Safe Roof system is manufactured from a 316 grade stainless steel and the parts and components is not only robust but will withstand the harshest working conditions. The anchoring base can be adapted for any type of sheet metal roof like IBR sheeting or clip lock type sheeting.

#### **PENETRATING ROOF SYSTEM:**

Can be used on corrugated sheeting type roof where a combination of chemical adhesive and rivets are used to connect the base to the roof. A further safety connection can be done from the base directly onto the roof truss system.

#### **NON-PENETRATING ROOF SYSTEM:**

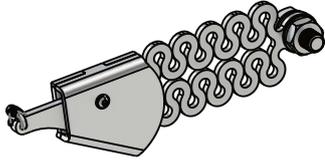
Can be used on clip lock type roof systems where the base is only connected via mechanical clamp system and chemical adhesive. This will ensure that the roof guarantee will not be compromised. guarantee will not be compromised.



## 2.4

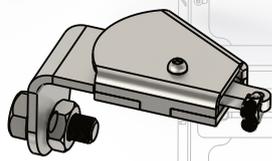
### SAFE WALK™

### System components



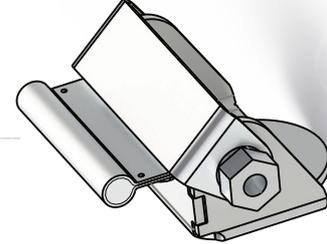
Wedge Shock Absorber

Patent: 2016/01075



Wedge Socket

Heightsafety Line Wedge Socket Connector -  
**HSL/WS/CON**



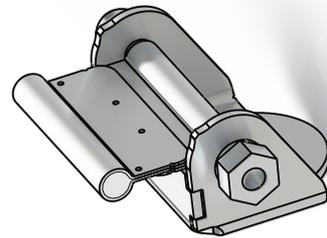
Safe Walk Overhead Line Intermediate Bracket -  
**HSL/SW/INTERM2**



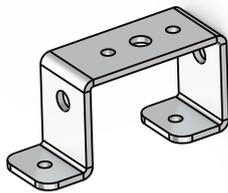
Horizontal Shuttle  
with bearing -  
**HSL10EB/COM**



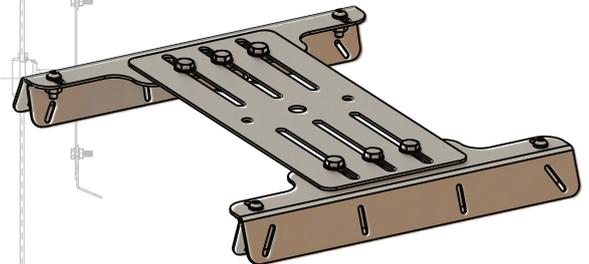
Horizontal Shuttle -  
**HSL10E/1**  
Patent: 2015/08344



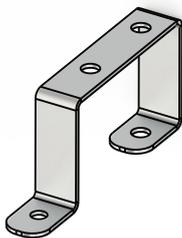
Safe Walk Intermediate Bracket -  
**HSL/SW/INTERM1**



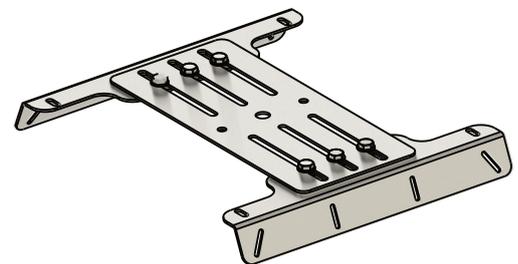
Top Start/End - **HSL08D**



Safe Roof Clip Lock - **HSL/CL/001**



Top Intermediate - **HSL08E**



Safe Roof IBR - **HSL/IBR/01**

# 2.4

## SAFE ROOF™

## Possible applications



### RECOMMENDED SYSTEMS THAT CAN BE USED IN CONJUNCTION WITH THE SAFE ROOF™



Temporary Vertical Lifeline



Retractable life lines



Solar Panel Maintenance



Roof Maintenance

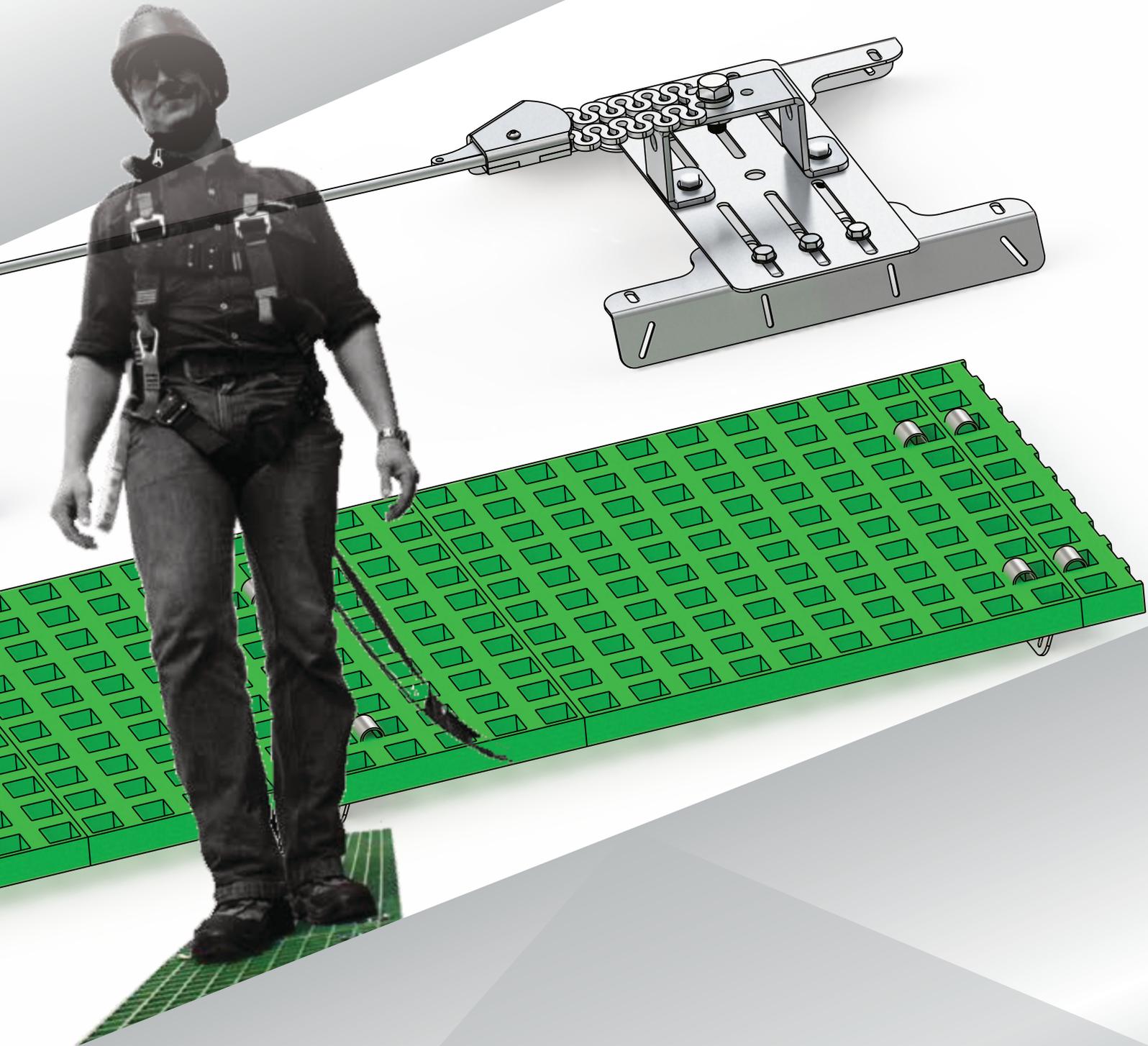
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## HEIGHTSAFETYLINE™ ROOF WALKER



## 2.5

### ROOF WALKER™

### Systems

The highest risk of working on a roof is not actually falling off the roof but falling through the roof due to structure collapse.

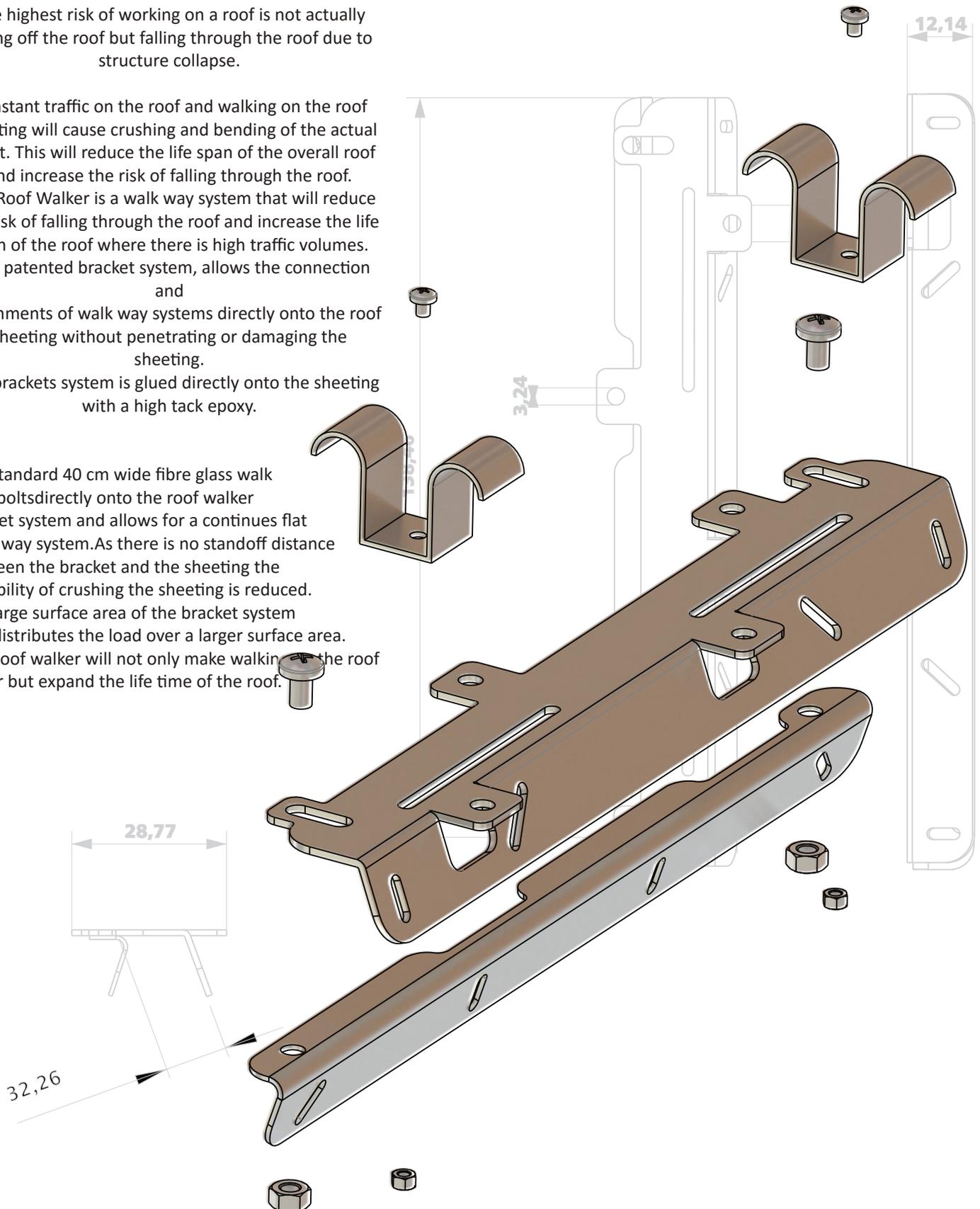
Constant traffic on the roof and walking on the roof sheeting will cause crushing and bending of the actual sheet. This will reduce the life span of the overall roof and increase the risk of falling through the roof.

The Roof Walker is a walk way system that will reduce the risk of falling through the roof and increase the life span of the roof where there is high traffic volumes.

This patented bracket system, allows the connection and attachments of walk way systems directly onto the roof sheeting without penetrating or damaging the sheeting.

The brackets system is glued directly onto the sheeting with a high tack epoxy.

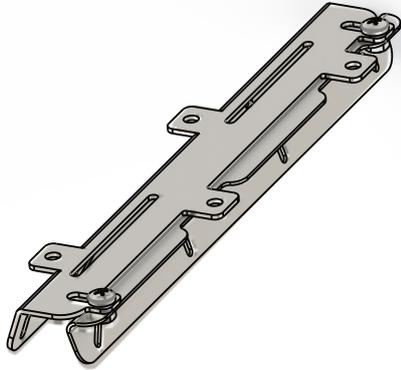
Our standard 40 cm wide fibre glass walk way bolts directly onto the roof walker bracket system and allows for a continues flat walk way system. As there is no standoff distance between the bracket and the sheeting the possibility of crushing the sheeting is reduced. The large surface area of the bracket system also distributes the load over a larger surface area. The Roof walker will not only make walking on the roof easier but expand the life time of the roof.



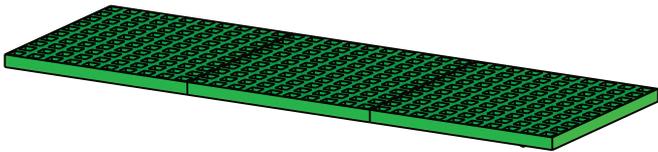
# 2.5

## ROOF WALKER™

### System components



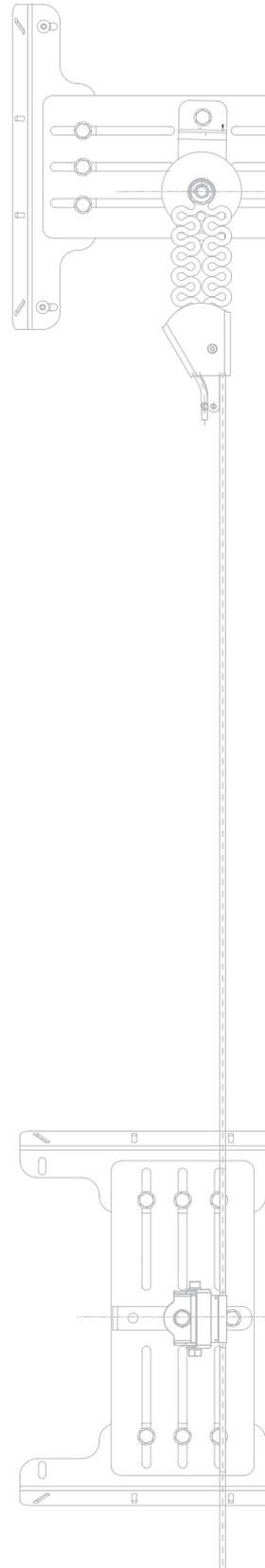
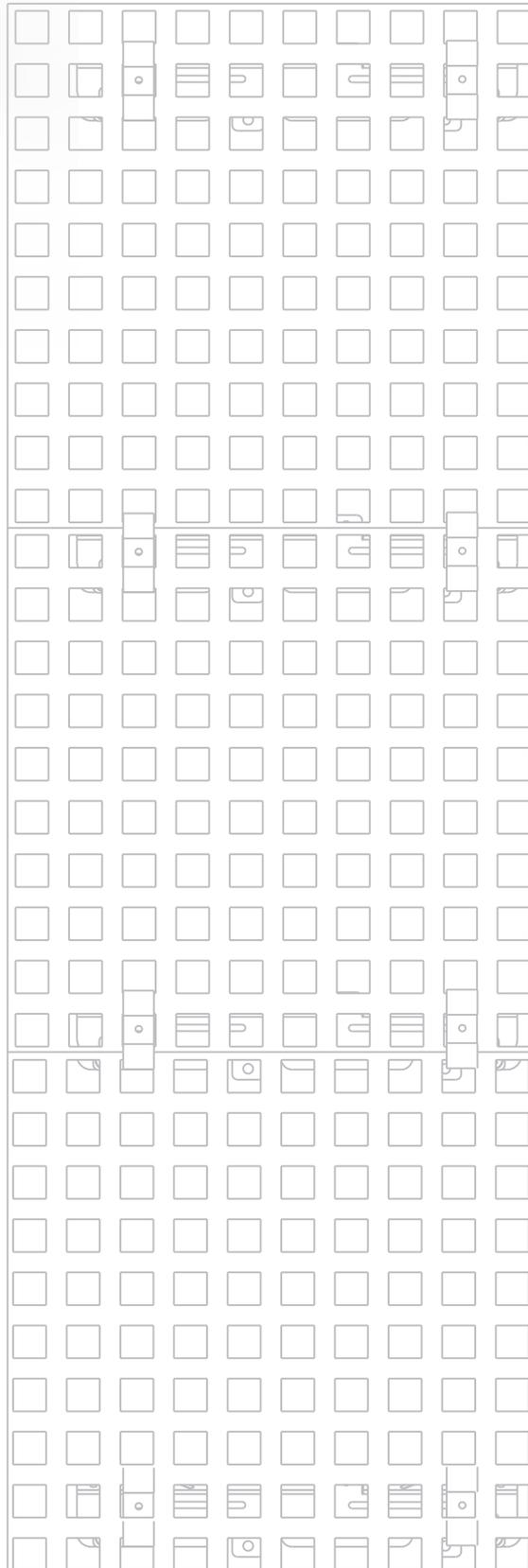
Roof Walk IBR Straight - **HSL/RW/IBR**



Roof Walk Way Grid 25x615x2440 -  
**HSL/RW/WWG2**



Roof Walk Way Nut -  
**HSL/RW/WWN**





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