



**Height Safety System**

**User Guide**

**and**

**Maintenance Manual**

**For**

**8-22 KING STREET,**  
**CABOOLTURE QLD 4510**

**BLOCK B & C**

Produced by

**Safe @ Heights Pty Ltd**

**ABN 28 161 010 859 ♦ QBCC 1245777**

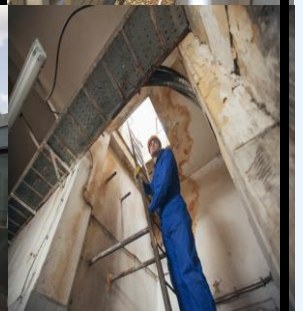
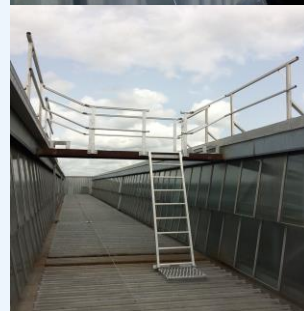
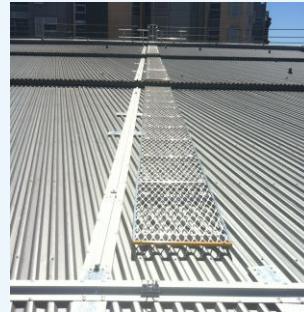
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## Disclaimer

This User Guide & Maintenance Manual has been produced by Safe @ Heights Pty Ltd as a guide for the safe use and maintenance of specific height safety systems installed on this building. Only qualified and competent persons should use a height safety system and only after they have been authorised to do so by the system owner. All users must have undergone the correct training and be deemed competent to use the system/s.

A detailed Safe Work Method Statement (SWMS) must be completed prior to using any height safety system. A rescue plan must accompany all SWMS when using a fall arrest system. Safe @ Heights Pty Ltd does not take any responsibility for or are liable for any injury or death caused by incorrectly using this system or any other system which has been installed or certified by Safe @ Heights Pty Ltd. Safe @ Heights Pty Ltd expressly prohibits the illegal use of this document. This document should be used as a guide only in the creation and planning of a specific SWMS and rescue plan by all users. This User Guide & Maintenance Manual is to be used exclusively for the purpose it was designed for, and is not to be copied, reproduced or distributed in any way in part or wholly without permission of Safe @ Heights Pty Ltd.

**Height Safety is everyone's responsibility.**

**DO NOT USE THIS SYSTEM/S IF YOU DO NOT FEEL COMPETENT TO USE THE SYSTEM CORRECTLY AND SAFELY.**

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## System Specification

The height safety system/s installed and certified at **8-22 King Street, Caboolture QLD 4510** comprises of the following types of system/s;

### **Block B - System 1**

<b>System Type:</b>	23 x HawkPro Safety Single person anchor point
<b>Manufacturer:</b>	HawkPro Safety
<b>Rating in kN:</b>	15kN
<b>No. of Persons:</b>	1
<b>Type of use:</b>	Fall restraint and fall arrest
<b>Certification:</b>	Requires recertification by a competent person every 12 months
<b>Specification sheet:</b>	See Annexure F
<b>Description:</b>	The HawkPro Safety anchor point is a multi-directional anchor point that can be used for either fall restraint or fall arrest. It must be connected via a rope line, lanyard or retractable reel with a shock absorber.
<b>Required PPE:</b>	Full body fall arrest harness, shock absorber, rope line/lanyard/retractable reel
<b>User Guide:</b>	See Annexure C ( <i>Example</i> )
<b>Access:</b>	Ladder Bracket and Anchor Point Strop (See Annexure B for Use)

### **Block C - System 1**

<b>System Type:</b>	27 x HawkPro Safety Single person anchor point
<b>Manufacturer:</b>	HawkPro Safety
<b>Rating in kN:</b>	15kN
<b>No. of Persons:</b>	1
<b>Type of use:</b>	Fall restraint and fall arrest
<b>Certification:</b>	Requires recertification by a competent person every 12 months
<b>Specification sheet:</b>	See Annexure F
<b>Description:</b>	The HawkPro Safety anchor point is a multi-directional anchor point that can be used for either fall restraint or fall arrest. It must be connected via a rope line, lanyard or retractable reel with a shock absorber.
<b>Required PPE:</b>	Full body fall arrest harness, shock absorber, rope line/lanyard/retractable reel
<b>User Guide:</b>	See Annexure C ( <i>Example</i> )
<b>Access:</b>	Ladder Bracket and Anchor Point Strop (See Annexure B for Use)

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### **Block C - System 2**

<b>System Type:</b>	4 x Sayfa 3Sixty Single person anchor point
<b>Manufacturer:</b>	Sayfa
<b>Rating in kN:</b>	15kN
<b>No. of Persons:</b>	1
<b>Type of use:</b>	Fall restraint and fall arrest
<b>Certification:</b>	Requires recertification by a competent person every 12 months
<b>Specification sheet:</b>	See Annexure F
<b>Description:</b>	The Sayfa 3Sixty anchor point is a multi-directional anchor point that can be used for either fall restraint or fall arrest. It must be connected via a rope line, lanyard or retractable reel with a shock absorber.
<b>Required PPE:</b>	Full body fall arrest harness, shock absorber, rope line/lanyard/retractable reel
<b>User Guide:</b>	See Annexure C
<b>Access:</b>	Via Crossover Ladder from Main Roof

#### **Tag Identification System**

All Safe @ Heights Pty Ltd systems have a coloured tag classification. It is vital that all users of our systems understand what these tags represent. The tags indicate their rating in kN, how many people can use them and will have a date of when the system is certified to. All systems must be certified at regular intervals according to the applicable Standards, Manufacturers' recommendations and the Work Health & Safety Regulation 2011. For more information on certification see the Maintenance and Certification table following.

Our Tag colouring legend is as follows;

<b>Purple Tag:</b>	Rated to 12kN one person diversion anchor only
<b>Sky Blue Tag:</b>	Rated to 15kN one person fall arrest

#### **Diversion Anchor**

A diversion anchor is rated to 12kN and can be identified by its Purple indication tag. All diversion anchors are to be used as a secondary anchor point only and never as a primary anchor point. This means that the user must attach to an anchor point with a Sky Blue, Yellow, Lime or Orange tag first and then attach via a karabiner to the diversion anchor. The purpose of a diversion anchor is to limit the range of movement of the user and not as a primary point of attachment. **Do not use this system if you have not been properly instructed in the use of diversion anchors, understand how to use them and have been deemed competent to use them.**

#### **Height Safety System Plan**

Annexure E shows an overall height safety system layout and design. This plan is to aid the user to plan their use of the system prior to accessing the roof.

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## Signage

At the main entry point to the roof will be a sign which will show the following information;

- The type of system installed
- The rating of the system
- How many people can use it at the same time
- The date it was installed
- The installer's name
- The name of the manufacturer of the system
- The date it is certified to

**Note:** If the system has passed the certification due date **DO NOT USE THE SYSTEM.**

## Maintenance and Certification

All PPE and height safety systems must be inspected and certified on a regular basis by a certified competent person. This is a requirement and ensures that the systems remain safe to use. A certified competent person is one who has been trained and authorised by the manufacturer.

The following table indicates the required intervals in which a system should be inspected by a Height Safety Specialist. **As a general principle, in addition to certified inspections, all safety PPE and height safety systems MUST be inspected prior to each use by the person using the system;**

Description	Inspection Requirement	Type of Inspection
Sayfa 3Sixty Surface Mounted Anchor Point Systems	Every 12 Months	Visual
HawkPro Safety Surface Mounted Anchor Point Systems	Every 12 Months	Visual
HawkPro Safety Fixed Angled Ladder Systems	Manufacturer Recommends Every 12 Months	Visual
HawkPro Safety Crossover Ladder	Manufacturer Recommends Every 12 Months	Visual
HawkPro Safety Fall Arrest Strop	Every 12 Months	Visual
HawkPro Safety Guard Rail	Manufacturer Recommends Every 12 Months	Visual

## Certification

Safe @ Heights Pty Ltd will provide certification documents upon installation for each system and then each time they are recertified. These records must be kept by the owner of the system for a minimum of 4 years.

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## Warranties

The systems contained within this installation have two types of warranty; the Manufacturer's product warranty and Installation Warranty.

### Manufacturer's Product Warranty

The table below shows the manufacturer's product warranty. This warranty is held by the manufacturer of the product or system. For full terms and conditions of each warranty please contact us or the manufacturer. Terms and conditions may apply.

Product/System	Manufacturer	Warranty Period
3Sixty Surface Mounted Anchors	Sayfa Systems	10 Years
Surface Mounted Anchors	HawkPro Safety	10 Years
Fixed Angled Ladder Systems	HawkPro Safety	10 Years
Crossover Ladder	HawkPro Safety	10 Years
Guard Railing	HawkPro Safety	10 Years
Support Ladder Bracket	HawkPro Safety	10 Years

### Standard Installation Warranty

Standard workmanship warranty is 10 years. We guarantee that the system has been installed correctly and is fit for use without any installation defects for 10 years. This warranty does not include general wear and tear or the failure of product including fixings. Our workmanship warranty only applies for systems that are properly maintained and are inspected in accordance with the relevant Code of Practice or Standard by a Safe@Heights qualified certifier. Failure to maintain certification or to use a Safe@Heights accredited certifier will void your workmanship warranty.

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### Who Can Use This System?

Only appropriately trained and authorised persons who have been deemed competent can use this system/s. As a minimum all users must have the following;

- Nationally accredited Working at Heights certificate completed in the last 5 years
- First aid certificate (or access to a first aid officer and equipment at all times)
- Training on the use of this type of system/s by a competent person and deemed competent (tool box or on the job)
- Trained in the rescue method and equipment for this particular system/s
- Has read this user manual and signed the indemnity form (Annexure H) stating that they are competent to use the system/s and understand this manual.

### **Failure to meet any of the above prohibits you from using this system**

Do not use this system if;

- You do not understand this manual
- You have not been trained in this system/s
- You are working alone
- You do not have a SWMS
- You do not have a rescue plan
- You do not have the proper equipment
- You do not have a rescue kit
- You are affected by drugs or alcohol
- You have an injury, illness or feeling unwell
- The roof surface is wet or slippery
- You do not feel competent

### Documentation

The minimum documentation required to use this system/s;

- Working at heights permit from building owner
- Authorisation to use the system from the system owner
- Detailed SWMS
- Rescue plan that has been designed and tested for this type of system/s

**Failure to obtain or provide any of the above documents prohibits you from using this system/s.**

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## Working at Heights

Regardless of what type of height safety fall arrest system is being used, the same safe use principles apply. Annexure C has an example from SAYFA Systems of how to safely use an anchor point system. The user guide is showing the use of the SAYFA 3Sixty anchor point. However the principles remain the same for all single connection anchors, static horizontal lines and horizontal rail systems. (Except for abseil.)

**The guide shows best practice techniques which must be used. It is vital when using a height safety system that the user constantly readjusts their rope line/lanyard to ensure that at all times they are working in fall restraint.**

When working at heights there must be a minimum of two people at all times. They both must be adequately trained and considered competent to use the system/s. They both must be trained in rescue and be in constant contact with each other at all times (visual). There must be rescue equipment at the work location which is readily available and can be deployed quickly. The rescue plan must be documented and have been tested within the last 6 months.

**NOTE: All workers using a height safety system should work in fall restraint only. If this is not possible, steps must be taken to eliminate or reduce the risk of a fall.**

## Rescue

When working at heights you should always work in fall restraint. Even so, provision must be made to ensure that if there is an incident then the person can be rescued quickly. Therefore, there must be a detailed and practiced rescue plan in place. The rescue equipment must not only be at the site but at the actual location of the height safety work. All persons must have been trained in that rescue method and with the rescue equipment. Managing the Risks of Falls at the Workplace QLD Code of Practice states that a person should be able to be rescued in under 5 minutes.

The PCBU is responsible for ensuring that whoever uses this height safety system has a rescue plan and rescue equipment with them. Safe @ Heights Pty Ltd recommends the Miller SafEscape Elite as a general purpose easy to use rescue kit. Annexure D shows an example of how to use this system.

## Contact Us

For further information on this system, its safe use and maintenance please contact us on 07 3208 5833 or visit our website at [www.safeatheightsqld.com.au](http://www.safeatheightsqld.com.au).

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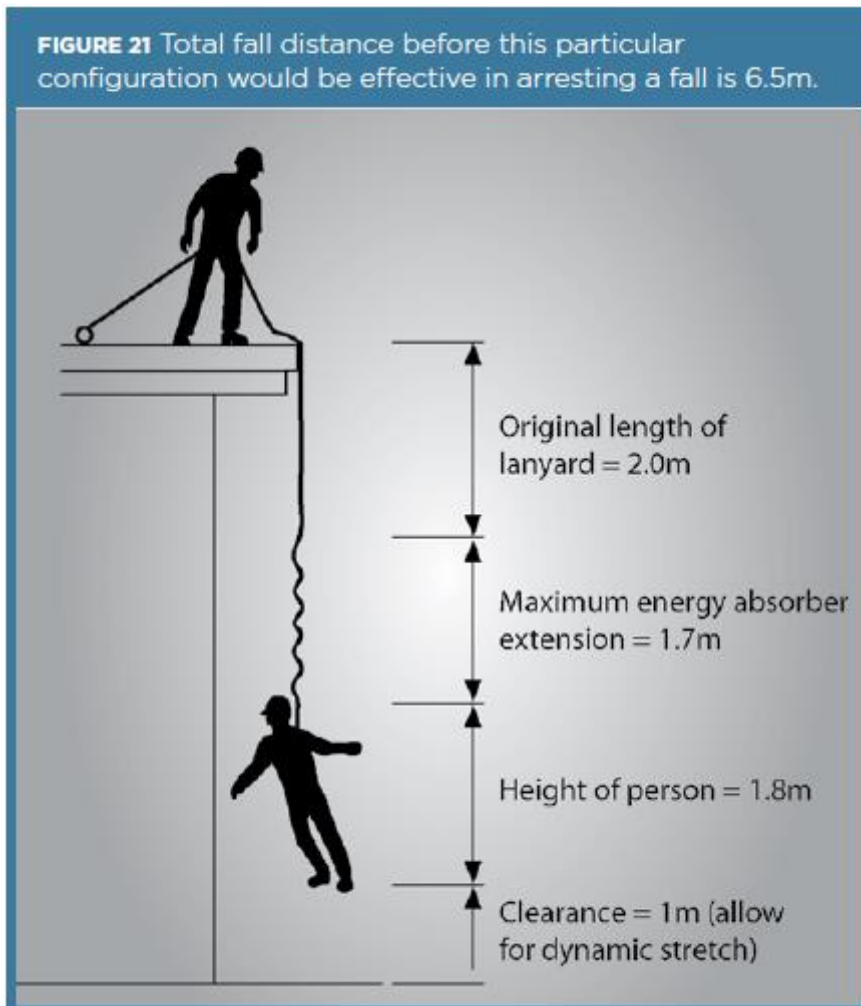
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### Important Anchor Information

For a fall arrest anchor point to be compliant, one of the requirements under both the Managing the Risk of Falls at Workplaces Code of Practice and AS1891.4, is that the minimum height of a structure is a minimum of 6.5m. What this means is that when using a fall arrest system, such as an anchor point, on a building with a height of less than 6.5m, the User must ensure that they work in fall restraint and do not allow themselves to be in a position where they could fall. Failure to do this may result in the User hitting the ground if they were to fall. We strongly recommend that all buildings under 6.5m where workers are exposed to a fall should control this risk using other control measures such as guard railing. Workers must be provided with additional training and information when using a fall arrest system under these circumstances to ensure they understand the dangers. Supervision must also be provided to ensure that they follow the safe work procedures correctly.

Below is a diagram taken directly from the Managing the Risk of Falls at Workplaces Code of Practice that illustrates why this is the minimum fall clearance.



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## Annexure A: How to Correctly Fit Your Fall Arrest Harness

# Vest Style Harness Fitting Guide



### INSPECTING YOUR HARNESS



1 Check the labels for the harness serial number and ensure the serial number is legible and the date for withdrawal has not passed.



2 Run your hands along each piece of webbing looking for cuts, abrasions, burn marks or deterioration. Check sewn patterns looking for cuts, broken threads, heat damage and stretching.



3 Check the harness hardware including dee rings and buckles for distortion, cracking and damage.

### FITTING A VEST STYLE HARNESS



1 Remove harness from packaging. Hold the back dee ring and gently shake harness so all straps fall into place.  
2 Unbuckle leg and chest strap buckles (if buckled). To unbuckle, lift the top plate so it aligns with the slot in the bottom plate and guide plate through.

3 Slip harness over the shoulders (like a vest) ensure the dee ring is located in the middle of the back between the shoulder blades.  
4 Fasten chest strap buckle.  
5 Fasten waist belt buckle.

6 Pull left leg strap between legs and fasten with corresponding buckle.  
Repeat the process with the right leg strap. Do not cross straps between legs and ensure fit is snug but not restrictive of movement.

### ADJUSTING YOUR HARNESS

#### Shoulder straps

Tilt the keeper, and whilst holding onto the top piece of webbing underneath the keeper, move the keeper up the webbing.

#### Waist straps

For harnesses with waist straps, pass the excess webbing through the keeper to secure.

#### Leg straps

The slide keepers on the leg straps should be positioned to the front. Make sure the leg straps are not twisted.



FASTENING  
Tilt buckle and align with the slot and guide plate through.



TIGHTENING  
Feed webbing through the buckle and secure by moving the keeper.



LOOSENING  
Move the keeper up the strap, and reposition buckle for more room.

### HELP LINE

If you need more assistance fitting your harness contact the Sperian Protection help line for advice.

Australia:  
1300 139 166  
New Zealand:  
0800 322 200



## Annexure B: Ladder Gutter Bracket and Anchor Point Strop

1. Using an extension ladder, lift the ladder into place and lock the rung into the ladder bracket. Ensure that;
  - a. The ladder is angled at 4:1 (for every 4m vertical height the ladder comes out 1m at the base)
  - b. The ladder is extended a minimum of 1m above the roof
  - c. The surface is level and non-slip
2. Inspect your height safety harness and ensure that
  - a. It is a full body fall arrest harness and compliant to AS1891
  - b. It is within inspection date
  - c. It is checked prior to putting it on that is it in serviceable condition
  - d. It is fitted and adjusted correctly
3. Attach a 600mm personal shock absorber to the front of your harness attachment point. Ensure that it is also within inspection date and you inspect it prior to attachment. It must have a karabiner at the end for attachment to the strop
4. Ensure you have no loose objects that can be dropped or fall from the roof
5. Any tools which you are carrying and intending to use on the roof must be attached to your harness or belt via a rated tool lanyard
6. Carefully climb the ladder, maintaining three points of contact at all times. Do not carry any tools. Use an approved haul bucket or place items in a back pack
7. As you come to the top, stop and ensure that the ladder rung has been properly seated into the ladder bracket. While maintaining three points of contact, take hold of the ladder bracket securing strop and slide through the centre of the ladder rung that is seated in the ladder bracket cradle. Once through attach into the snap hook. This will ensure the ladder will remain safely in the ladder bracket while transitioning onto the roof.
8. Reach forward with one hand, maintain your three points of contact and take hold of the strop. Pull the strop forward to edge of the roof.
9. Release the strop and with the same hand take hold of the karabiner at the end of your shock absorber and click it into the strop. Properly lock the karabiner
10. You are now safely attached. Continue to climb the ladder
11. Once at roof height, look at your entry point. Ensure that the roof is dry and free of any obstacles or debris.
12. Positively step forward off the ladder and onto the roof. Immediately move forward to the next attachment point and drop to one knee
13. Now connect to the connect point. Once connected disconnect from the strop.

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## Annexure C: Sayfa 3Sixty Surface Mount Anchor User Manual (Example)

# OPERATION

### MUST BE READ PRIOR TO USE

1. Prior to use, ensure all operating procedures have been read and properly understood.
2. This fall arrest system is only to be used by competent persons who have experience and training in the safe use of the system and associated equipment.
3. Ensure all workplace OH&S requirements are identified and understood.  
A risk assessment with a safe work method procedure must be completed and approved by management prior to work commencing.
4. This system requires periodic inspection and maintenance by a qualified height safety inspector. The system **MUST NOT** be used if the service date is overdue.
5. A rescue plan must be formulated and ready for implementation prior to using any fall arrest system.
6. Authorisation to access any risk area must be obtained from the person in control of the workplace.
7. Only approved full body harness, gear and equipment with an energy absorber certified to Australian Standard AS/NZS 1891 is to be used with this system.
8. Visually inspect the system for damage prior to use. The system must not be used if there is any deterioration or deformation of components or the structure to which the system is attached.
9. If the safety system is damaged or has arrested a fall, discontinue use until it has been fully inspected and recertified by a competent height safety equipment inspector.
10. Ensure all fixings, fittings and components are securely attached. Any tightening, adjustment or replacement of components must be carried out by a competent height safety inspector.
11. Persons must not be allowed to work alone in fall arrest situations in case emergency rescue assistance or first aid is required.
12. All applicable Australian Standards, OHS Acts & Regulations, and Codes of Practice & Guidelines must be read and obeyed when using this safety system.
13. The reading of this user manual does not replace the need for completing a recognised height safety training course by a Registered Training Organisation (RTO).

**⚠ Failure to follow all warnings, usage and maintenance instructions may result in serious injury or death.**



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### STEP 1

Ensure a full body harness and suitable rope line lanyard is used with this system.

- △ Harness gear must be certified to Australian Standards AS/NZS 1891.1.
- △ Harness gear must be used with a tear-web energy absorbing lanyard connected to fall arrest point of harness.
- △ Ensure harness gear serviceability dates are current.



### STEP 2

Approach anchorage system from a 'Safe Zone' i.e. No risk of fall or injury.



### STEP 3

Inspect anchorage device for any damage or deterioration and check the device has been serviced and recertified.

- △ Do not use if current date exceeds due service date.



### STEP 4

Attach rope line lanyard to anchorage device and adjust rope line length evenly in the shortest distance to the fall edge.

- △ Ensure there is NO slack rope line.



# SAFE USE PROCEDURE

## STEP 5

Ensure there is NO possibility of a pendulum fall from the fall edge.

⚠ User must remain in restraint at all times. Limit access beyond the fall edge by correctly adjusting the rope line adjuster and do not allow slack in rope line.



## STEP 6

Use diversion anchors to access corners or possible pendulum areas. Attach rope line to diversion anchorage using karabiner.



## STEP 7

Harness equipment must be stored in protective carry bag provided and kept in a dry environment.

⚠ Any damage to harness gear or anchorage system during use MUST be reported to the workplace manager and removed or tagged 'Out of service' until recertified by competent height safety inspector



## STEP 8

Proceed safely back to the roof access point.

⚠ Follow the company reporting procedure on completion.



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### CORRECT ROPE LINE LENGTH

Rope line length must limit access beyond the fall edge



### INCORRECT ROPE LINE LENGTH

Slack rope line between user and anchor will result in a fall and could cause severe injury or death.



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# MAINTENANCE

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1. The anchor system needs to be checked and recertified by a competent height safety inspector every 12 months for non-corrosive environments or 6 monthly for corrosive or harsh environments. (To be determined by specialist depending on severity of surrounding conditions.)
2. Never clean using acids or other chemicals that could damage the system components.
3. The energy absorbing eyelet is subject to wear depending on frequency of usage. Any signs of excessive wear will require the anchor to be replaced.
4. The identification label must be completed to confirm recertification has been carried out.
5. Harness gear and equipment must be maintained and stored in a dry, protected area, away from acids and ultra violet rays which cause material fibres to break down and reduce their safety and life expectancy.
6. Any deterioration or damage to the system or equipment must be reported to person in control of the workplace.
7. Maintenance inspections must be clearly documented. Any non-conformance must be clearly identified and tagged 'Do Not Use' until corrective action by a competent person.



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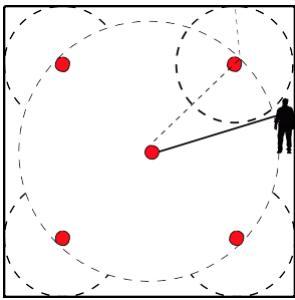
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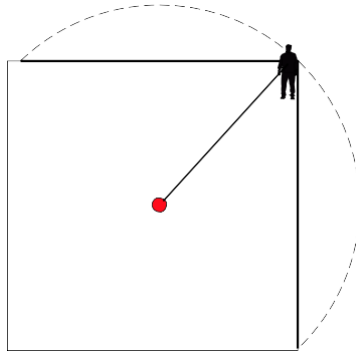
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# ANCHOR POSITIONING

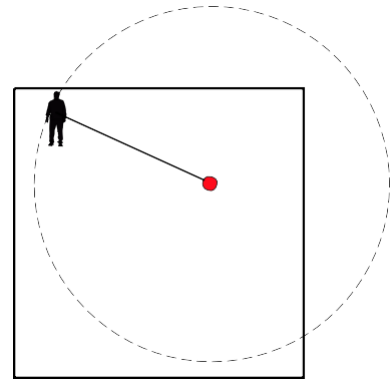
⚠ **CORRECT ANCHOR POSITIONING AND ROPE LENGTH IS CRITICAL TO AVOID PENDULUM EFFECT**



✓ Correct anchor positioning and rope line length



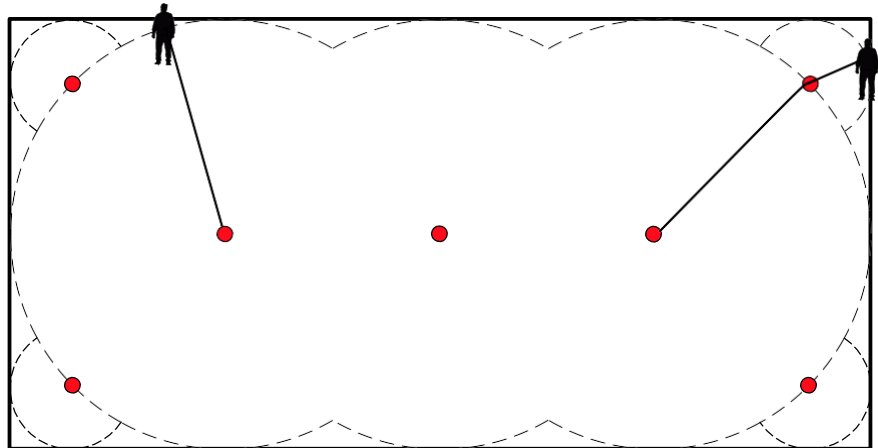
✗ Incorrect rope line length, operator could pendulum fall off roof



✗ Incorrect anchor layout allows dangerous pendulum fall off roof

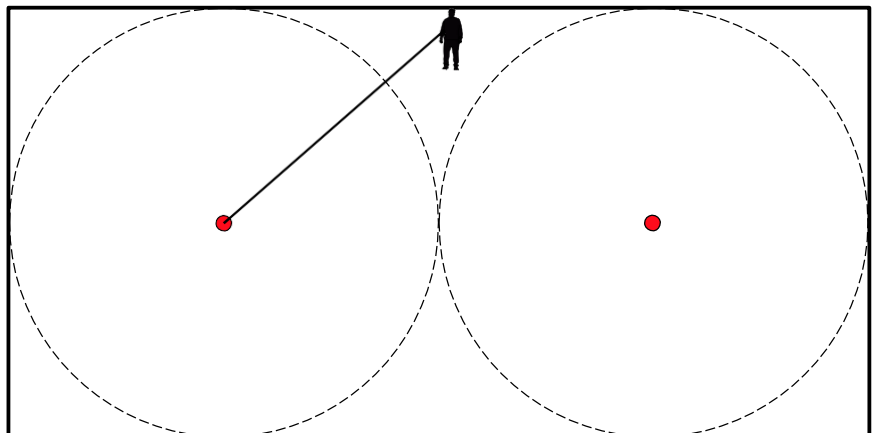
✓ Correct anchor

layout and rope line Length with anti-pendulum corner anchorages



✗ Insufficient

anchorages cause large dead zones requiring extended lanyard length which allows dangerous pendulum fall possibilities



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## Annexure D: Rescue Plan

Below is an example of a rescue technique that may be used. This is an example only and uses the Miller SafEscape Elite rescue kit. A site specific rescue plan that has been tried and tested within the last 12 months in the same or similar conditions must be specified before using any rope access system.

### Pre-Plan Rescue & Set up

#### Training:

All personnel undertaking rescues from working at heights must be trained and deemed competent before being permitted to undertake rescue. Minimum training requirements include but not limited to;

- Working Safely at Heights
- Site Procedures
- Risk Assessment
- Rescue Procedures
- Rescue Equipment & Use
- Apply First Aid & CPR

#### Permits:

The following permits and approvals must be signed off and understood by all personnel permitted to undertake rescue prior to work commencing;

- SWMS / Risk Assessment
- Rescue Plan
- Any site specific documentation

#### Equipment Required:

- Miller SafEscape Elite Rescue Kit
- Temporary anchor point – Spyda
- First aid kit
- Mobile phone
- Rope edge protection

In the event of a fall, the following procedure should be followed:

Do not panic. Do not undertake any heroic actions. An accident has already occurred - don't add to it by causing further injury to the victim or you.

If there are other workers close by, call out to them to stop work immediately. Tell them that someone has fallen and to ensure that they are all safe.

Have someone call 000, and then wait at the front of the building for the emergency services.

Wearing your own safety equipment and maintaining a fall restraint position, carefully approach the fall location and assess the situation. If the fallen person is conscious, establish verbal contact and sum up the situation keeping in mind that shock can prevent a person from realising the full extent of an injury.

Note: Recent studies have found that prolonged suspension can cause additional injury, called "Suspension Trauma". If possible, the suspended operator, if conscious, should be encouraged to move his/her legs to keep blood circulating. Unless there is heavy bleeding or other injury that warrants immediate action, there is no justification for panic operations that may endanger the victim and others. However, suspension trauma has been known to affect operators within 3-4 minutes, so swift action should be undertaken.





Decide if you will winch the victim back up onto the roof or lower them to the ground. Be aware of the height of the building and how much rope line you have available in your kit.

Reassure the victim and quickly implement the rescue procedure.

Attach the karabiner of the short rope end of the SafEscape Elite Rescue Kit onto an approved anchor point or adequate structure using a sling if necessary. If nothing is available, use the temporary anchor point

Release enough rope so that it can reach the victim.

Assess the edge of the roof. If it is sharp or abrasive and may damage the rope of the rescue kit, place rope protection on the edge.

Using the telescopic pole, securely attach the pole strap around your wrist, then fix in the scaf-hook from the Rescue Kit to the end of the pole in the open position.

While ensuring that you are in a fall restraint position, attach the scaf-hook to the victim's rear dorsal attachment ring. Note: if you cannot reach the rear dorsal ring, then attach to the front 'D' ring.

Pull up with the pole. The scaf-hook will pull away from the pole and lock shut.

Remove the pole wrist attachment and place the pole in a safe location where it cannot roll off the roof.

Move to the cam Hub and wind the victim up so that their rope line becomes slack. Lock off the hub so that the cam cannot move.

Check the victim and ensure that the rescue kit rope line is secure and safely has control of the victim.

If lowering to the ground, disconnect the victim's attachment point. Carefully lower the victim to the ground.

If raising them to the roof, wind the hub until they reach the edge of the roof safely.

Warning: the victim will most likely be in shock. Do not disconnect them from the rescue kit. Do not allow them to stand. Slide them towards the centre of the roof and have them stay in a lying position. Reassure them that they are safe and to remain calm.

Attend to any injuries they may have. If emergency services have not been contacted do so now. Render first aid until the Ambulance arrives.

#### **CAUTION**

**Any rescue procedure must be performed by competent persons using approved equipment and techniques. Rescue procedures must NOT be attempted by untrained personnel.**

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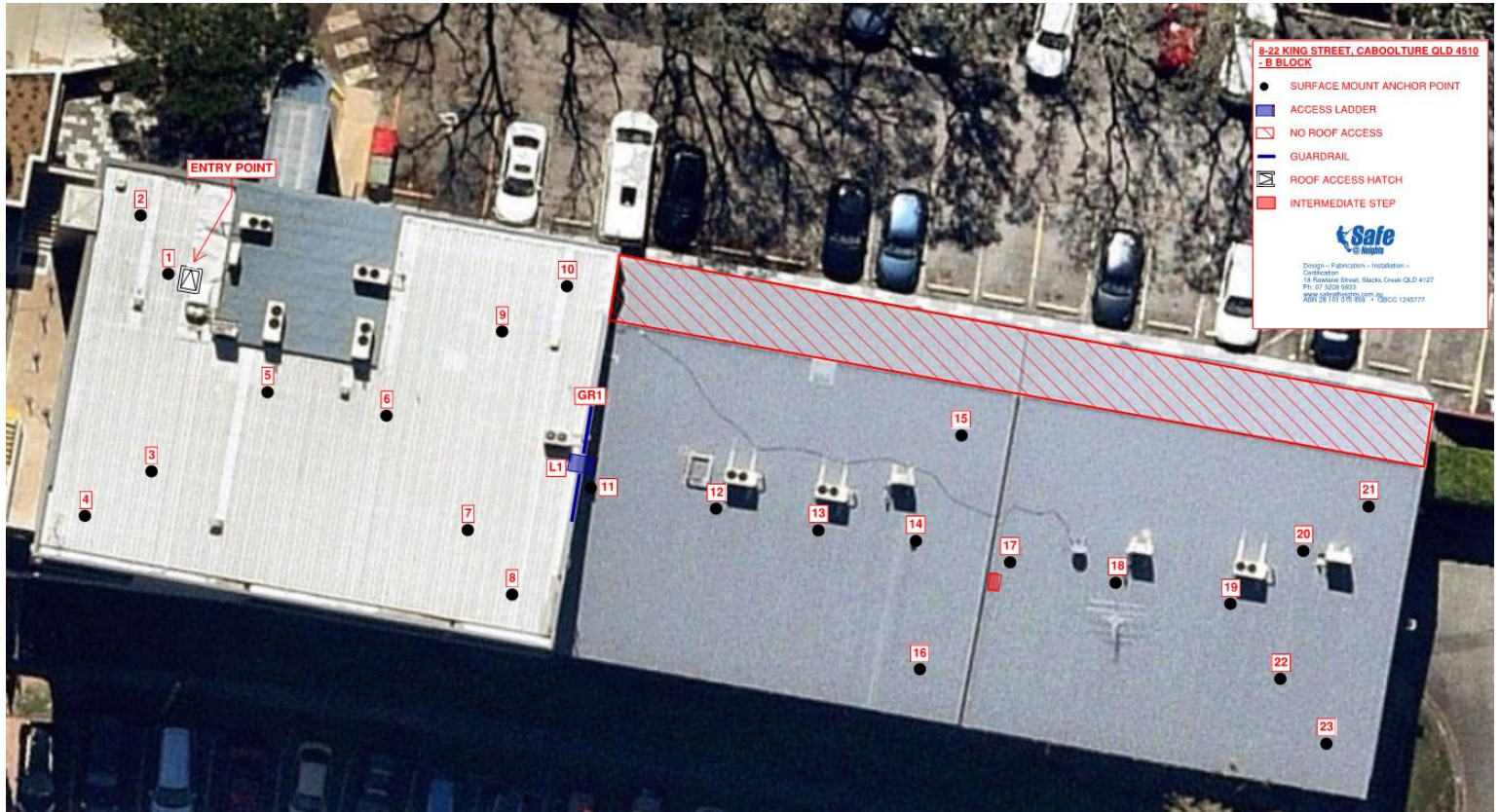
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## Annexure E: System Plans



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## Annexure F: Specification Sheets

# TECHNICAL SPECIFICATION

### PRODUCT SPECIFICATION

#### SYSTEM CODE

3 SIXTY FALL ARREST ANCHOR  
AP 100

PRODUCT CODE  
AP 130.10

DESCRIPTION  
3 SIXTY ANCHOR

#### TECHNICAL DATA

##### MATERIALS

Base plate – profiled stainless steel  
Swivel eye – profiled stainless steel

##### DIMENSIONS

Total height – 50mm  
Overall size – 290mm x 285mm

##### WEIGHT

1.05kg (excludes fixings)

##### FIXINGS

Timber purlin fixing – 14g/ 75mm type 17 Tek screws  
Metal purlin fixing – 14g/ 75mm self drilling Tek screws  
Metal roof deck fixing – 8mm structural Bulbrite rivets  
(Refer instruction manual)

##### WORKING LOAD LIMIT

Single person use

Support structure integrity, suitability and fixing method to be assessed and determined by a competent person prior to installation.  
3 Sixty Anchor Point must be used in conjunction with an approved harness and lanyard system incorporating an energy absorber.

#### COMPLIANCE

3 Sixty Anchor Point is designed and manufactured in accordance with requirements of Australian Standard AS/NZS 1891.4:2009 and AS/NZS 5532:2013 and relevant statutory OHS Codes of Practice/Guidelines.

#### TESTING

Testing and performance based on requirements of Australian Standard AS/NZS 5532:2013.

Dynamic load tested – 15kN  
Static load tested – 15kN

#### PRODUCT WARRANTY

10 years from date of purchase subject to correct installation, use and maintenance in accordance with manufacturer's specifications and recommendations.

#### INSPECTION AND MAINTENANCE

Inspection and certification required every 12 months by competent person in accordance with manufacturer's specifications and requirements of Australian Standard AS/NZS 1891.4:2009 Section (9). (Refer instruction manual.)

#### IMPORTANT NOTE

Failure to supply and/or install proprietary product in accordance with above standards and codes, specifications and instructions voids complete system certification and/or warranty.

Designed and manufactured by Sayfa Group. For all technical assistance contact Sayfa Group.SAYFAGROUP-16.6.2014

PRODUCT  
BROCHURE



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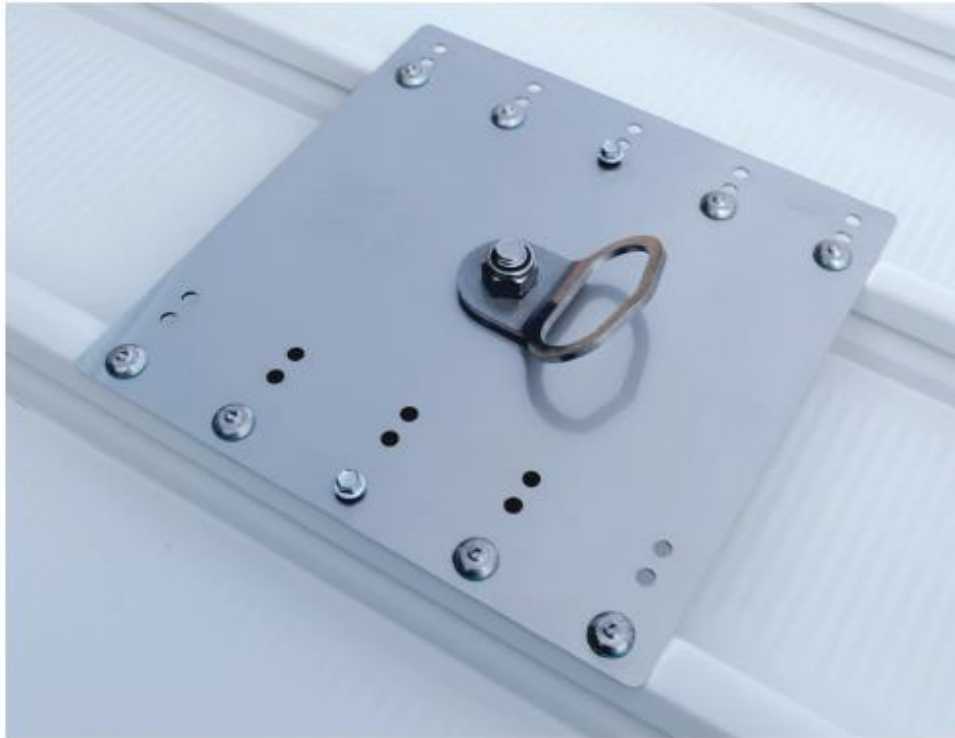
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## HAWKPRO SAFETY FALL ARREST ANCHOR POINT

### KEY FEATURES

- Marine grade 316 Stainless steel
- 100% Australian designed and made
- Super low profile
- Angled swivel for 360° movement
- Can be easily powder coated



The HawkPro Safety surface mounted fall arrest anchor is Australian designed and made for our harsh climate. The high quality marine grade 316 Stainless Steel construction means this anchor can be installed in any type of environment. Rated for one person 15kN for fall arrest. They have been tested to AS1891.4:2009 and AS5532:2013 for most types of roof sheeting. The flat plate design evenly distributes any force back into the roof structure, due to its low point of gravity. The unique angled swivel can spin 360° and will deform under load, further reducing any force from a fall.

The plates can be powder coated to match the roofing colour if required.

The HawkPro Safety surface mounted fall arrest anchor comes fully assembled, complete with fixings. The anchor uses 8 x GESIPA 7.7mm rivets with 2 x Bi-Metal 14g x 75mm tek screws.

The base of the anchor has a foam seal that when installed correctly prevents dissimilar metals from touching and forms a water proof seal. The swivel is attached using a 16mm 316 stainless steel bolt with nylon locking nut and 50mm washer.

Having the nut on top of the anchor makes it easy to immediately identify if the swivel has been correctly fitted.



## TECHNICAL DATA

### Materials

Base plate 2mm marine grade 316 stainless steel  
Swivel 4mm marine grade 316 stainless steel  
Bolt/nut/washer 316 stainless steel  
Backing pad 1.6mm foam

### Fixings

8 x GESIPA 7.7mm aluminium rivets  
2 x Bi-Metal 14g x 75mm tek screws

### Dimensions

Plate 290mm x 290mm x 2mm  
Total height 44mm

### Rating

15kN one person fall arrest  
Rating only valid when installed in accordance with installation manual, on approved roof sheeting and roofing structure. Must only be used in accordance with design and with approved full body fall arrest harness, lanyard/ropeline with in line personal shock absorber that complies with AS1891.1

### Testing

Tested in accordance with AS5532:2013

### Installation

Must only be installed in accordance with installation manual by a competent person (as defined in relevant legislation). Roofing material and structure must be first inspected and approved for installation by a structural engineer or by a competent person (as defined in relevant legislation).

### Product Warranty

HawkPro Safety surface mounted anchor points have a 10-year warranty from date of purchase subject to correct installation, use and inspection criteria.

### Inspection and Maintenance

Anchors must be inspected by an approved HawkPro Safety installer who has been deemed a competent person (as defined in relevant legislation) every 12 months in accordance with AS1891.4:2009. In harsh environments inspections should be more frequent. Inspections must also include roof sheeting and structure. Once 10 years has been reached, a full inspection of the roof and roof structure should be conducted to ensure that age, wear and deterioration has not deemed the roof unsuitable. We strongly recommend this should be completed by a structural engineer or by a competent person (as defined in relevant legislation). This will allow a further 5 years of inspections. At which point the in-depth inspection must be undertaken again.

### Warning

The incorrect design or installation of anchor points can cause serious injury or death. The incorrect design, installation or use of HawkPro Safety anchors will cause all certification and warranty to be void.

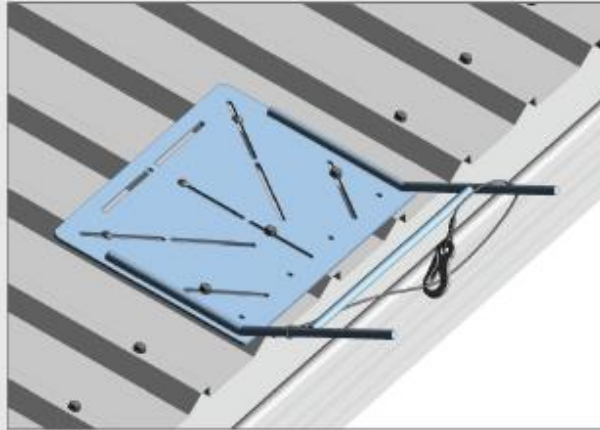




## HAWKPRO SAFETY PORTABLE LADDER BRACKETS

### KEY FEATURES:

- High quality noncorrosive aluminium
- Australian designed and made
- Quick and easy to install
- Comes with ladder securing strop



### ROOF MOUNT LADDER BRACKET

When installing the HawkPro Safety Roof Mount Ladder Bracket it is important that all site conditions are taken into consideration. Such as roof height, roof pitch, gutter width and frequency of access. The following instructions shall be complied with:

- Prior to installation, consideration shall be given for the installation of fixed access
- Recommended maximum vertical roof height of 4.5m
- For roof heights over 4.5m we recommend a ladder dock
- Recommended for roof pitch of between 0° and 15°
- When roof pitch exceeds 15° we recommend the Side Step Off Platform or Ladder Dock as it provides a levelled platform
- Maximum recommend gutter width 150mm
- Must be used in conjunction with fall arrest strop
- Can only be installed by a competent person



### INSTALLATION INSTRUCTIONS

1. Identify the location for install and ensure it is safe
2. Remove any screws that will be under the ladder bracket
3. Seal all screw penetrations with silicon and then with a strip of HawkPro Black PVC adhesive foam
4. Position the ladder bracket and ensure that it extends sufficiently from any obstacles to allow optimal foot space when climbing the ladder. Mark the location for the fixings. Recommended six fixings. Three 14gx75mm screws through into purlin with three 7.7mm GESIPA rivets
5. Install the PVC foam along where the fixings will be installed, the full width of the ladder bracket
6. Place ladder bracket and fix in place. Ensure all penetrations are sealed. Test with portable ladder and ensure it is safe to use and fit for purpose



HawkPro Safety



## HAWKPRO SAFETY ALUMINIUM LADDERS AND STAIRS

The HawkPro Safety range of aluminium ladders and stairs are proudly Australian designed and made. Our systems are durable, long lasting, functional and look great! The HawkPro Safety range is an easy-to-use modular system that can be built onsite. We also provide customised solutions.

### The HawkPro Safety Range Includes:

- Angled Ladders
- Step Type Ladders
- Parapet Cross Overs
- Stairs
- Platforms
- Cages
- Portable Ladders
- Customised Solutions
- Two Staged Systems

### BENEFITS

- Australian designed and made
- High quality aluminium
- Long lasting and non-corrosive
- Easy to install modular design
- Custom designs available
- 10-year warranty
- All designs comply with AS1657:2018 when installed correctly



PROUDLY AUSTRALIAN DESIGNED AND MADE

HawkPro Safety Pty Ltd  
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Ph: 07 3208 7844  
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ABN 23 638 435 864

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## HAWKPRO SAFETY ALUMINIUM LADDERS AND STAIRS



### INSPECTION AND MAINTENANCE

It is recommended all ladders and stairs are inspected every 12 months by a competent person.

### PRODUCT WARRANTY

All HawkPro Safety Ladders and Stairs come with a 10-year manufacturers warranty from date of purchase. Must be installed and used in accordance with manufacturer's instructions. Misuse and incorrect installation will void warranty. Terms and conditions apply. Please refer to our warranty policy.

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ABN 23 638 435 864



HawkPro Safety



## HAWKPRO SAFETY GUARD RAILING

The HawkPro Safety Guard Railing is proudly Australian designed and made. Our guard railing is made from only the highest quality aluminium and designed to withstand the harsh Australian environment.



### BENEFITS

- High quality aluminium
- Long lasting and non-corrosive
- Complies with AS1657:2018 when installed in accordance with manufacturers recommendations
- Quick and easy to install

### INSPECTION AND MAINTENANCE

It is recommended that the system should be inspected for wear and tear every 12 months by a competent person, depending upon environment and use.

### PRODUCT WARRANTY

System comes with a 10-year manufacturer's warranty from date of purchase. Must be installed and used in accordance with manufacturer's instructions. Misuse and incorrect installation will void warranty. Terms and conditions apply. Please refer to our warranty policy.

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## Annexure G: Indemnity Waiver Template

The following page has been included for your convenience. Please photocopy the template for use on your site to be signed by all users of this

System/s.

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## Indemnity Waiver – Verification of Competence

Building Name: \_\_\_\_\_

Building Address: \_\_\_\_\_

Building Manager: \_\_\_\_\_

### User information

Company Name: \_\_\_\_\_

Competent Person's Name: \_\_\_\_\_

**Only appropriately trained and authorised persons who have been deemed competent can use this system/s. As a minimum all users must have the following;**

<b>Does the named competent person have all of the following</b>	<b>Yes</b>	<b>No</b>
Has read the system's user manual. Understand the user instructions and have a SWMS and rescue plan	<input type="checkbox"/>	<input type="checkbox"/>
Nationally accredited Working at Heights certificate completed in the last 5 years	<input type="checkbox"/>	<input type="checkbox"/>
First aid certificate (or ready access to a first aid officer)	<input type="checkbox"/>	<input type="checkbox"/>
Training on the use of this type of system and deemed a competent person (tool box or on the job)	<input type="checkbox"/>	<input type="checkbox"/>
Trained in rescue	<input type="checkbox"/>	<input type="checkbox"/>
Have declared themselves competent to use this height safety system	<input type="checkbox"/>	<input type="checkbox"/>
Has the person been deemed competent to use the system/s? (see note below)	<input type="checkbox"/>	<input type="checkbox"/>

**(NOTE: if 'no' has been answered to any of the above then the above named person is not deemed competent and MUST NOT be allowed to use the system)**

I, ..... declare that the above information is true and correct. I declare that I fully understand how to use this height safety system/s safely and have had the required training to do so. I understand that working at heights can be dangerous if not performed correctly and indemnify all associated parties from any and all liability from any injury I may sustain from using this system.

\_\_\_\_\_  
Signature of Competent Person

\_\_\_\_\_  
Building Manager

Date:

Date:

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