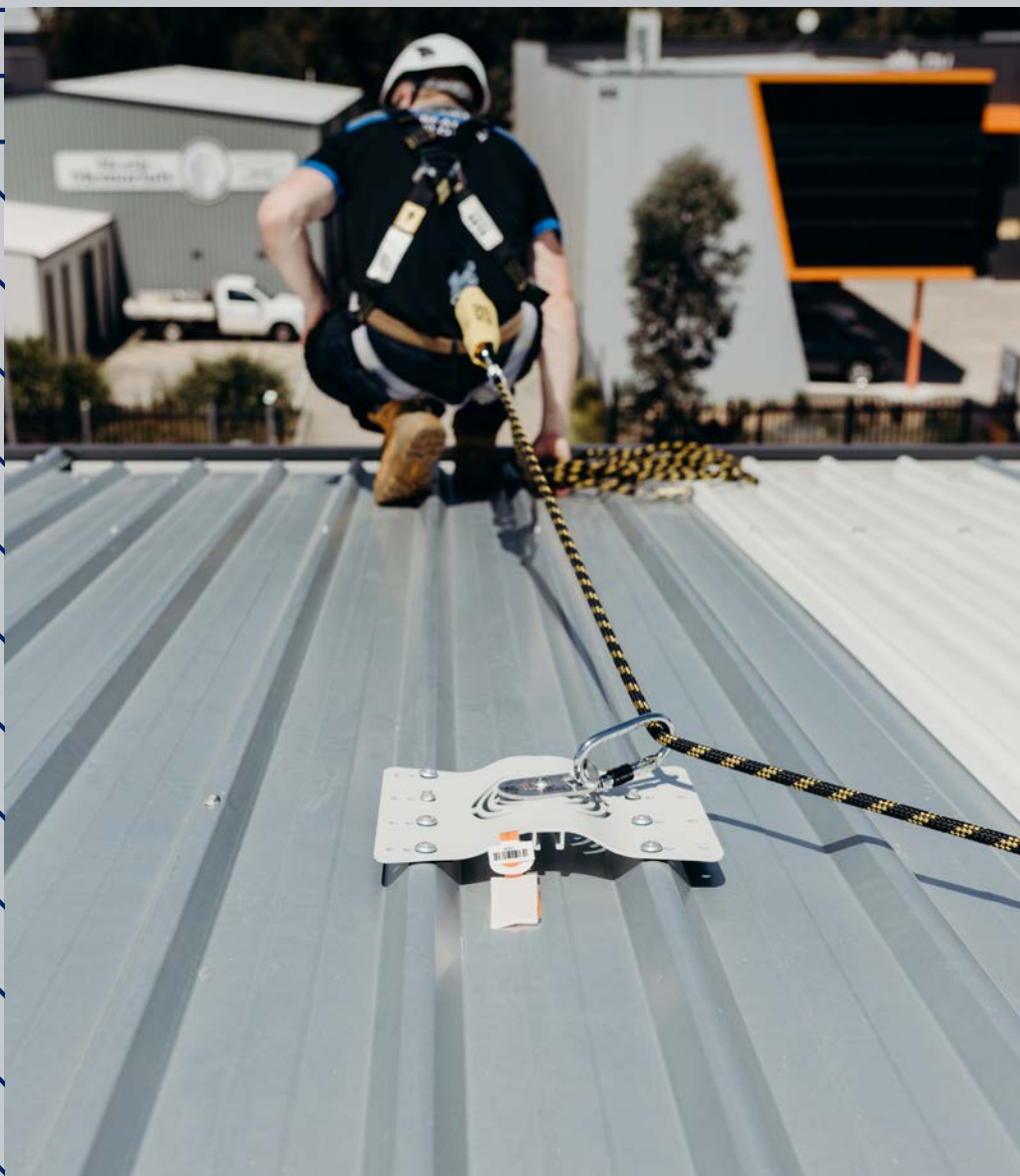




OPERATIONS MANUAL

RAPID TOP MOUNT ANCHOR

AP135



The Kattsafe rapid top mount anchor is a proprietary fall arrest anchor with unique energy absorbing abilities designed for simple installation.



Product brochure
Rapid top mount anchor



Installation manual
Rapid top mount anchor



Operation manual
Rapid top mount anchor

Find all related products and resources on our website
kattsafe.com.au

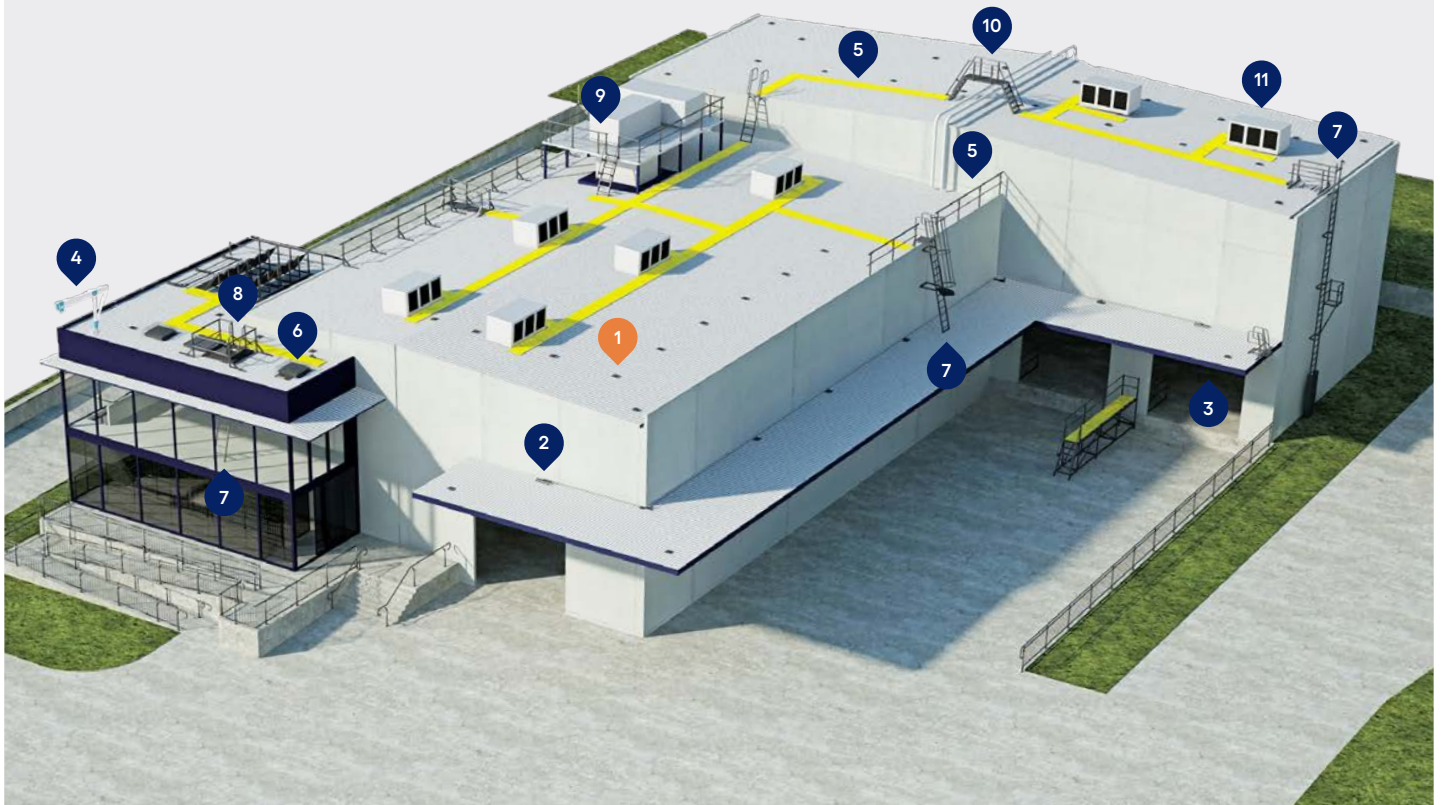
Commercial building height access and fall protection requirements

Kattsafe leads the industry in the design, installation and management of access and fall protection safety systems.

The in-action model demonstrates access and fall protection requirements for a commercial building design. Kattsafe recommendations fulfill current workplace requirements for the safety of building maintenance subcontractors, employees and the general public.

For more information please contact Kattsafe.
kattsafe.com.au

- 1 Anchor points
- 2 Static lines
- 3 Rigid rail
- 4 Davits and needles
- 5 Guardrail and walkway
- 6 Skylight protectors
- 7 Rung ladders
- 8 Roof access hatches
- 9 Platforms and stairs
- 10 Step ladders
- 11 HVAC platforms



RAPID TOP MOUNT ANCHOR

Designed for a simple, rapid installation, the rapid top mount anchor provides effective fall protection when working at heights.



Powder coated finish

Eliminates dissimilar metal issues. Heavy duty coating for long term durability.



High tensile aluminium plate

Lightweight construction at only 700g. Simple installation with increased long term durability.



Anchor attachment eyelet

15kN fall arrest rated. Swivel action ensures no snap hook roll-out and has unique energy absorbing functionality.



Energy deforming slots

Increases load absorption in a dynamic fall situation by allowing plate flexibility.



Label connection

Allows easy and safe attachment of recertification tag.



Load absorption tabs

Load tabs are designed to severely reduce energy as loads increase. Provides simple visual inspection of anchor integrity.

OPERATION EQUIPMENT

Helmet



Harness



Rope line



Carabiner



Energy absorbing lanyard



OPERATION REQUIREMENTS

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 WHS 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 and New Zealand 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, WHS Acts & Regulations, and Codes of Practice & Guidelines must be read and obeyed when using this safety system.
13. The reading of this operation 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, operation and maintenance instructions may result in serious injury or death.

SYSTEM LIMITATIONS

Must be read prior to use

1. The anchor is suitable for single (1) person use and rescue in the case of a fall incident. (15kN)
2. Only to be used by competent persons with proof of training by a Registered Training Organisation (RTO) in the use fall protection and rope access systems.
3. Harness equipment is susceptible to deterioration when exposed to chemicals or hazardous environments and must be approved by the manufacturer for use in these applications.
4. This system, under normal use and environment, has a life expectancy of a minimum 10 years. A manufacturer's assessment and certification to confirm suitability for an additional 5 years use, or more is recommended. This will depend on location, usage and scheduled maintenance as per manufacturer and legislative requirements.
5. Operators of this system must be connected via a lanyard with a personal energy absorber when used as a fall arrest system in accordance to Australian Standard AS/NZS 1891.1.
6. This anchor is not suitable for use as a primary rope access anchor, however in the event of an emergency rescue it is designed for use as a rope access anchor. It is recommended that two separate anchors should be used where possible.
7. Where slopes exceed 40°, the rapid top mount anchor must not be used as the energy absorbing eyelet may deform under constant load.
8. Do not exceed maximum number of users/persons per system. See specific system data plate for user configuration.
9. Do not tamper with or make alterations to system components without manufacturer's consent.
10. This system is not to be used for tethering or lifting machinery or equipment.
11. The safety system must be re-certified by a competent height safety inspector as recommended (or as per statutory requirements):
 - Non corrosive/mild environment – 12 monthly.
 - Corrosive/harsh environment – 6 monthly (more frequent inspection may be required).



Kattsafe recommends that persons using fall arrest systems do not work alone in case of an emergency and help is required.

Should any part of the system/equipment have been subjected to abnormal loading, use must be discontinued until replaced/recertified by a competent height safety inspector.

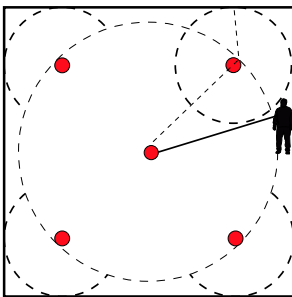
ANCHOR POSITIONING



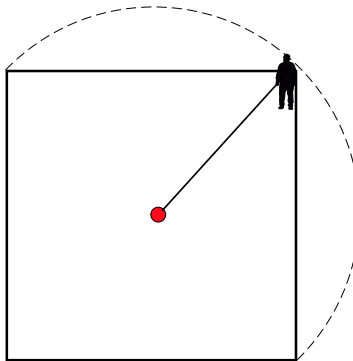
Correct anchor positioning and rope line length is critical to avoid pendulum effect.



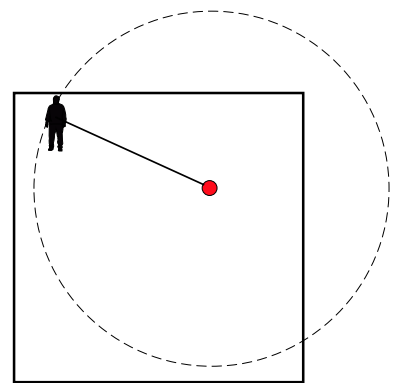
Correct anchor positioning and rope line length.



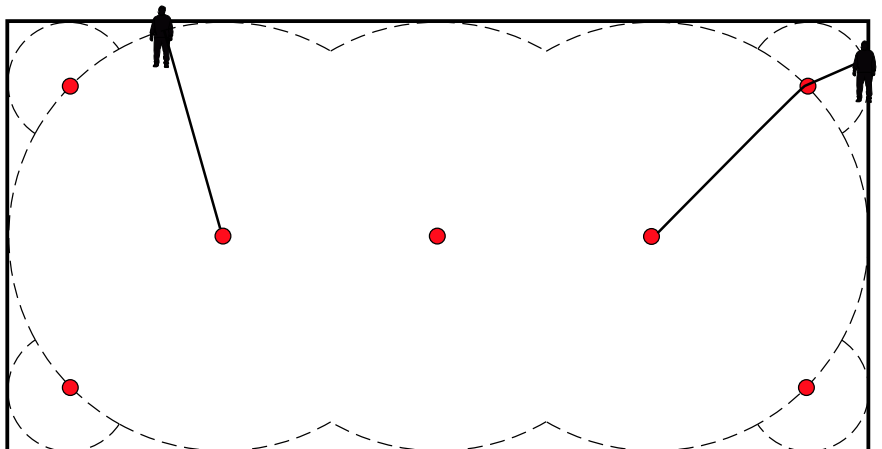
Incorrect rope line length, operator could pendulum fall off roof.



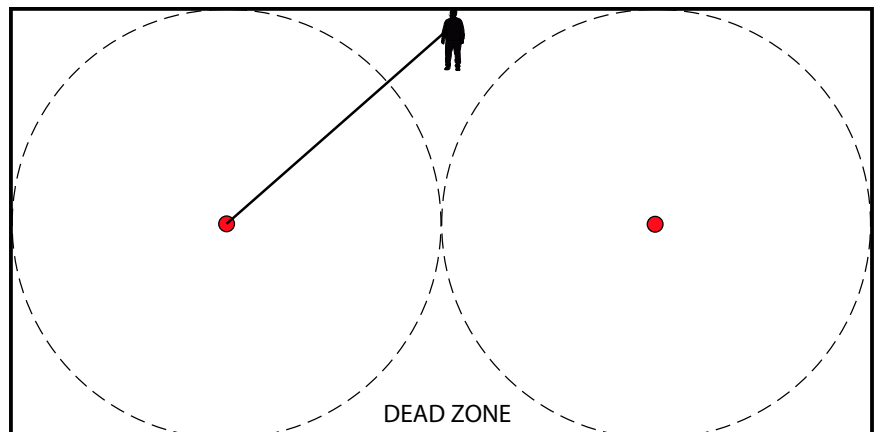
Incorrect anchor layout allows dangerous pendulum fall off roof.



Correct anchor positioning and rope line length.



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



SAFE USE PROCEDURE

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 1891.5.



Ensure persons wearing harness gear are trained in the correct use and operation of harness equipment.



Ensure harness gear serviceability dates are current.



Harness gear must be used with a tear-web energy absorbing lanyard connected to fall arrest point of harness.



Step 2

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

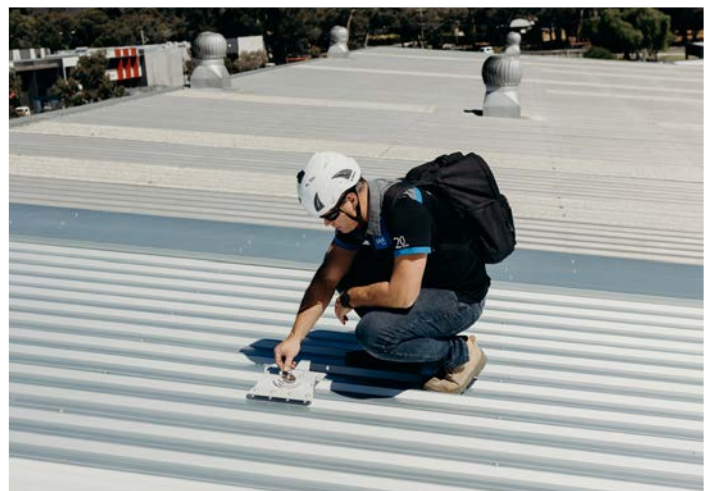


Step 3

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.

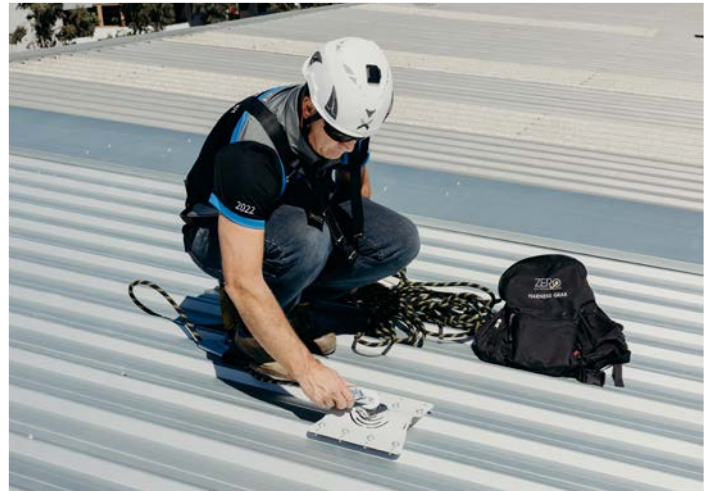


Step 4

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.

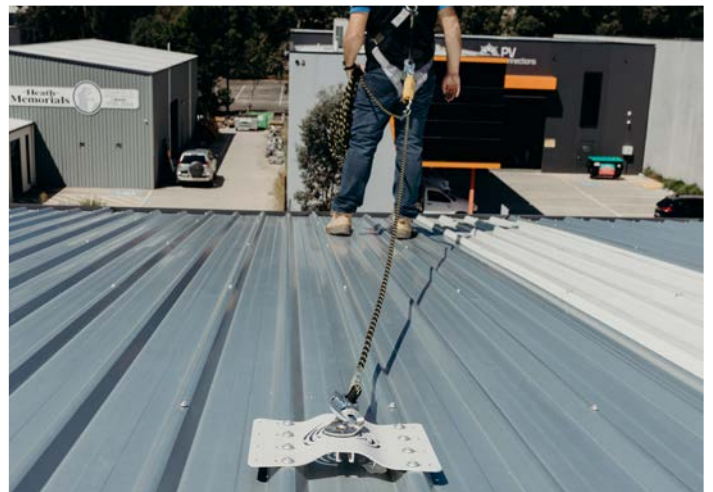


Step 5

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

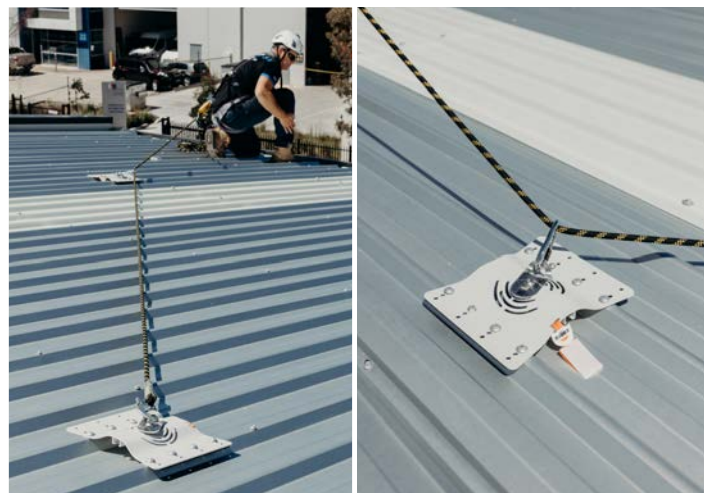


User must remain in restraint at all times. Limit access beyond the fall edge by correctly adjusting the rope line adjuster and do not allow slack in rope line.



Step 6

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

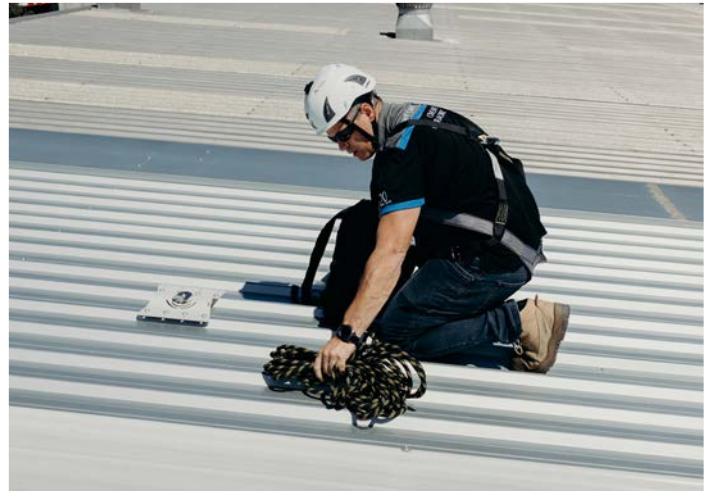


Step 7

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



Any damaged equipment must be reported.



Step 8

Proceed safely back to the roof access point.



Follow the company reporting procedure on completion.



ROPE LINE LAYOUT

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 could result in a fall causing severe injury or death. Adjust rope line to remove slack.



SYSTEM MAINTENANCE

Must be read prior to checklist


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 competent person 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 confirming certification, maintenance and recertification of the system.
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 and relevant corrective action undertaken.
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 has been completed.





MAINTENANCE CHECKLIST

The checklist below outlines key checking criteria required to ensure the safe use of this system. Any item of concern not shown on the checklist must be noted on the maintenance report and brought to the attention of the workplace manager.

Items ticked PASS - YES means they conform with the required checking criteria and are suitable for normal use until the next recertification date. System data plates must be updated showing current check date and next check date.

Item ticked PASS - NO means they do not conform to the required checking criteria. These items must be clearly tagged 'Do Not Use' and the required corrective actions put in place. The maintenance report must clearly document all non-conforming criteria.

 **This system must be maintained by a competent height safety inspector trained in the safe use and maintenance of this system.**

Component	Inspection criteria	Pass Y/N	Corrective action	Completion date
Anchor unit 	Fixings to structure secure (8 fixings required).			
	Rivets only fixing, ensure anchor connected to 2 roof sheets.			
	Anchor connected to single roof sheet. Requires 2 screw fixings into purlin and 6 rivets into roof deck. Screws into structure must be verified by checking if secure.			
	No evidence of penetration seal deterioration.			
Eyelet 	Ensure eyelet fixing connection to plate is secure, maximum 5mm play between eyelet and plate.			
	No evidence of eyelet damage or deformation of load tabs.			
	Ensure eyelet rotates freely.			
Data label 	Anchor data label attached at each anchor.			
	All relevant data filled out including next maintenance date.			
Roof 	Roof structure to be visibly sound.			
	No rust, or roof deterioration.			

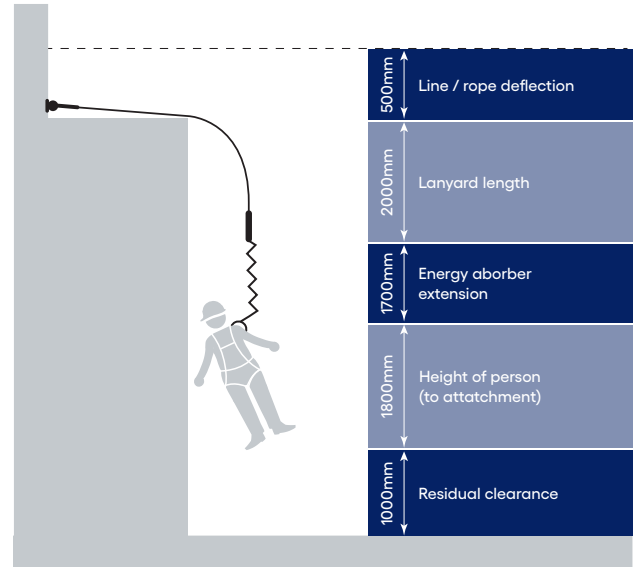
TECHNICAL INFORMATION

Fall clearance

There must be sufficient clearance below the user to arrest a fall before the user strikes the ground or another lower level hazard. The clearance required is dependent on the following factors:

- Elevation of anchorage
- Anchorage deflection
- Lanyard length
- Lanyard elongation on deceleration pull out (personal energy absorber)
- Operator height
- Fall distance residual clearance

See AS/NZS 1891.4:2009 Section 7 for a detailed explanation.



System requirements

The worker must wear a full body harness when connected to any fall arrest system including a personal energy absorber compliant with AS/NZS 1891.2:2001 and AS/NZS 1891.4:2009 limiting the force on the anchor and operator to a maximum of 6kN.

Harness connectors must support at least 15kN. Non-compatible connectors may unintentionally disengage (roll-out). Carabiners supplied with proprietary systems must not be removed or substituted with any other component.

Inspection and Maintenance

Inspection and recertification of fall arrest systems and equipment is required at least every 12 months by competent person in accordance with manufacturer's specifications and requirements of Australian and New Zealand Standard AS/NZS1891.4:2009 Section 9 (refer installation manual).

Important note

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

TECHNICAL SPECIFICATION

Rapid top mount anchor

AP135

Top mount anchor system, suitable for metal roof deck attachment incorporating emergency rope access attachment for rescue in a fall situation. System design, supply, layout, installation and certification by a Kattsafe approved installer, as per the manufacturer's installation instructions and current standards.

Materials

- Base plate: Hi tensile aluminium
- Powder coat finish (standard colour - Oyster Matt)
- Swivel anchor: 316 stainless steel

Dimensions

- AP135A Overall size: 288mm (L) x 250mm (W)
- AP135W Overall size: 432mm (L) x 250mm (W)
- Total height: 48mm

Weight

800g (including fixings)

Substructure requirements

Support structure integrity, suitability and fixing method to be assessed and determined by a competent person prior to installation.

Fixings (refer to installation manual)

- Metal roof deck screw fixed: qty 8 x 8mm bulb type rivets
- Metal roof deck clip fixed: qty 6 x 8mm bulb type rivets, 2 x 14 self drilling screws into purlin
- Timber structure fixing: qty 6 x 8mm bulb type rivets, 2 x 14 self drilling screws into purlin

Rating

- 15kN Single person use
- The rapid top mount anchor must be used in conjunction with an approved harness and lanyard system incorporating an energy absorber.
- Suitable for emergency rope access rescue off activated anchor.

Compliance

The rapid top mount anchor is designed to conform with requirements of the Australian and New Zealand Standards AS/NZS 5532:2013 AS/NZS/ISO22846, AS/NZS1891 and relevant codes of practices and guidelines.

Testing

Testing and performance based on requirements of Australian and New Zealand Standards AS/NZS 1891 and AS/NZS 5532.

- Dynamic load test in line with roof fall and 90° to roof fall - 15kN
- Static load test in line with roof fall and 90° to roof fall - 15kN

Product warranty

10 Years from date of purchase subject to correct installation. Use and maintenance to be in accordance with manufacturer's specifications and recommendations. (This excludes wearing parts).

Inspection and maintenance

Inspection and certification required every 12 months by competent person in accordance with manufacturer's specifications and requirements of Australian and New Zealand Standards AS/NZS 1891 and AS/NZS 5532 (refer installation 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.

WARRANTY INFORMATION

Warranty period on this system:
10 years from date of purchase

Should you have a warranty claim as a result of a defect the following procedure must be followed:

Identify the following information:

- The product/system name and code number.
- The date of purchase/installation.
- Installation company details.
- The installation identification number.
- The name of the company using this system.
- A description of the defect/warranty claim.
- The periodic system maintenance report.

Forward the above information to sales@kattsafe.com.au or contact technical helpline, 1300 301 755.

Terms and conditions

All warranty claims must be made in writing within 14 days of the appearance of the defect.

Incorrect installation or work done by a non accredited Kattsafe system installer will void all warranty rights.

Systems that have been installed using non proprietary equipment will void all warranties.

System roof/cladding and concrete penetration seals are not covered in this warranty.

Systems/components that have not been maintained in accordance with manufacturer's/legislative requirements will void warranty.

Systems used by incompetent persons or use with non compatible accessories ie. harness gear, lanyards, travellers, fall arrestors etc. will void warranty.

Systems/components used for purposes other than their intended use will void warranty.

General wear and tear is expected and will depend on the frequency of use and is not covered by warranty.



Product brochure
Rapid top mount anchor



Installation manual
Rapid top mount anchor



Operations manual
Rapid top mount anchor



QMS Certification
ISO 9001:2015

Find all related products and resources on our website.
kattsafe.com.au

Kattsafe

Height access
and fall protection

1029 Mountain Highway
Boronia Victoria 3155
Australia

1300 301 755
sales@kattsafe.com.au
kattsafe.com.au