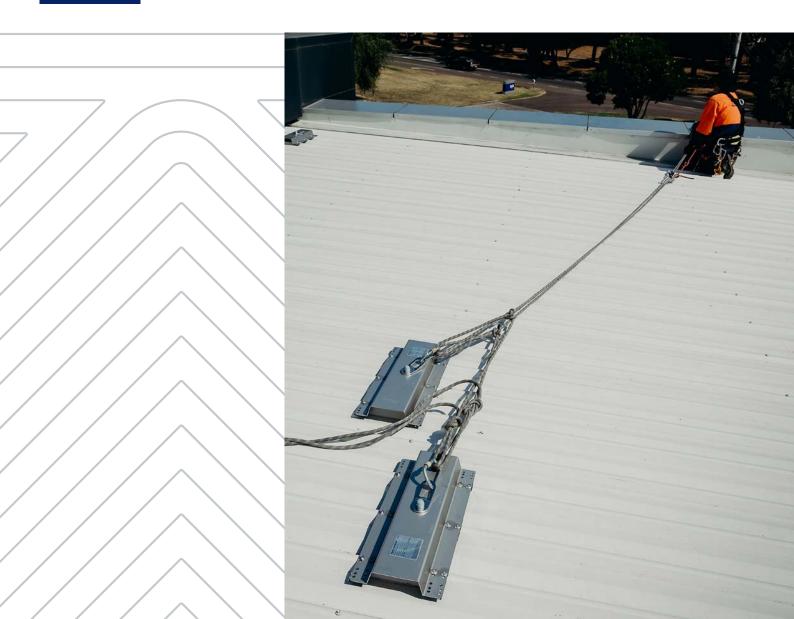


**INSTALLATION MANUAL** 

# TOP MOUNT ROPE ACCESS ANCHOR

AP141



The Kattsafe top mount rope access anchor is designed for fast installation and ultimate strength, for abseil workers.



### **Product brochure**

Top mount rope access anchor



## Installation manual

Top mount rope access anchor



# Operation manual

Rope access anchors

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.

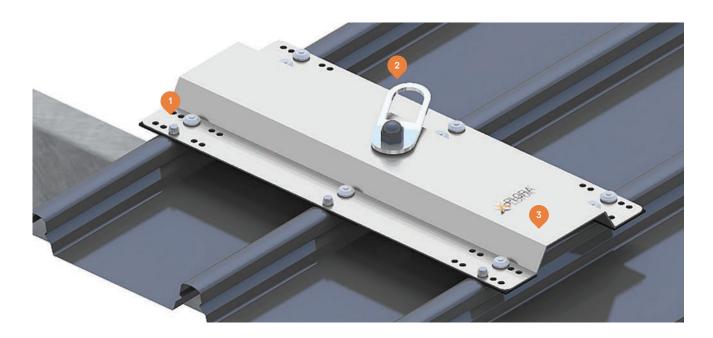
For more information please contact Kattsafe. kattsafe.com.au

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



# TOP MOUNT ROPE ACCESS ANCHOR

The Kattsafe top mount rope access anchor is a lightweight, high strength metal deck mounted anchor for safe work at height.





# Universal mounting

Allows for easy installation into various roof deck types. Wide deck option for larger crest spacing.



#### Swivel eyelet

Removes risk of snap hook roll-out, and provides uniform load distribution.



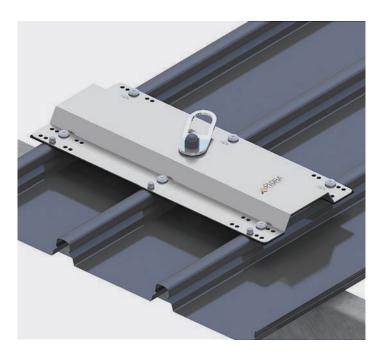
# Low profile, high strength design

With minimal architectural impact, the plate sits low across the roof. Constructed of 304 stainless steel to provide ultimate durability.

# TOP MOUNT ROPE ACCESS ANCHOR CONFIGURATIONS

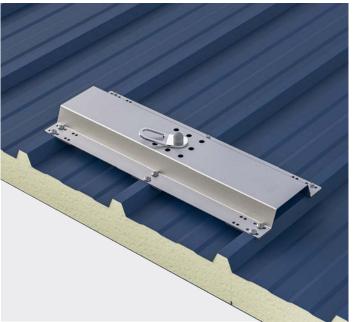
# AP141A Top mount rope access anchor

Designed to be installed onto roofs with normal spacings between roof sheet crests.



# AP141W Top mount rope access anchor - wide deck

Designed to be installed onto roofs where there are wider spacings between roof sheet crests. Suits 300-372mm roof deck.



# TOOLS AND EQUIPMENT

Cordless drill

8mm metal drill bit

3/8 nut setter







Battery operated Gesipa riveter

or Hand operated Gesipa riveter

Rag or brush







Tape measure

Roof marking pen





# INSTALLATION REQUIREMENTS

#### Must be read prior to installation

- This system must only be installed by competent persons trained in the selection, use and maintenance of fall arrest systems and hold a current Kattsafe approved installer certificate.
- Persons installing this system are required to have a comprehensive knowledge of the Australian Standards, codes of practice and industry guidelines that relate to the selection, use and maintenance of fall arrest systems and equipment.
- Integrity and suitability of the structure to which this system is attached must be approved by a structural engineer unless it is clear to a competent person as to the suitability of connection to structure.
- Read installation and operating instructions carefully before commencing any work. Consent to deviate from the installation guide must be obtained in writing from the manufacturer.
- Conduct an initial work/risk assessment, and take all reasonable precautions to eliminate or control potential hazards and risks during the installation of this product.
- Complete all necessary WHS documentation, including a Job Safety Analysis and Work Method Statement and obtain consent from responsible person in workplace prior to commencement of work.
- Installers must be authorised and approved by Kattsafe and possess valid industry licenses, be appropriately trained, and comply with all relevant WHS legislation prior to installation of this product.
- 8. Do not modify or remove any element of the support structure without prior authorisation by a qualified engineer.
- 9. Any re-routing of electrical and/or other services must be carried out by qualified or authorised personnel.
- Appropriate temporary access and safety equipment must be used during installation, such as platform ladders or scaffolding and fall protection anchorage points.
- 11. In case of emergency, access and fall arrest systems must be installed by a minimum of two persons.
- 12. Do not tamper with, modify or remove any part this system unless authorised by the manufacturer.

- 13. Appropriate labels or markings must be attached to each system and include the following:
  - System for personnel use only
  - Service entry date
  - Next examination/service due date
  - Harness gear requirements and system compatibility
  - Maximum designed load ratings
  - Installer/Certifier contact details
  - Decorative coatings and coverings must be removed to ensure correct evaluation of structure prior to attachment of system
- 14. Documentation confirming correct use and maintenance of the system and equipment must be provided to the workplace manager on completion of installation. (See operation manual).



Kattsafe instructions and recommendations, drawings and diagrams, and all other documentation are copyright, errors and omissions excepted, and must be carefully read and implemented. Any assistance or guidance given is without prejudice, and Kattsafe cannot be held responsible for any inaccuracy or misinterpretation whatever. Failure to follow site installation requirements and warnings, may result in serious injury or death.

Kattsafe accepts no direct or indirect responsibility and/or consequential liability whatever, for any products and systems incorrectly installed or certified. Kattsafe cannot warrant the integrity or suitability of the structure to which the products may be attached. Prior assessment must be made by a qualified structural engineer, unless the structure is authorised or approved by a competent person.

# SYSTEM LIMITATIONS

#### Must be read prior to installation

- Minimum structural requirements for attachment of top mount anchors:
  - Steel purlin 150 x 1.5mm base metal thickness or
  - Steel purlin 100 x 1.9mm base metal thickness
  - Timber truss 70 x 35 F7 structural grade
  - Metal roof deck 0.42mm base metal thickness
- 2. The top mount anchor is suitable for single (1) person use and rescue in the case of a fall incident. (15kN)
- Only to be used by competent persons with proof of training by a Registered Training Organisation (RTO) in the use of height safety and fall protection systems.
- Harness gear is susceptible to deterioration when exposed to chemicals or hazardous environments and must be approved by the manufacturer for use in these applications.
- 5. This system, under normal use and environment, has a life expectancy of up to 10 years. A manufacturer's assessment and certification to confirm suitability for an additional 5 years use is recommended. This will depend on location, usage and scheduled maintenance as per manufacturer and legislative requirements.
- Operators of this system must be connected via a lanyard with a personal energy absorber, in accordance to Australian Standard AS/NZS 1891.1.
- Do not exceed maximum number of users/persons per system. See specific system data plate for user configuration.
- 8. Do not tamper with or make alterations to system components without manufacturer's consent.
- This system is not to be used for tethering or lifting machinery or equipment.
- 10. The safety system must be recertified by a competent height safety inspector as recommended:
  - 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.

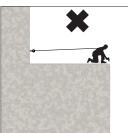
# AUSTRALIAN STANDARDS SUMMARY

Figure 2

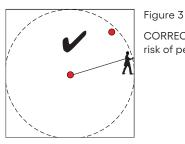


Figure 1

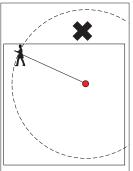
CORRECT Anchor loading in shear.



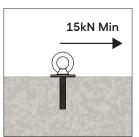
INCORRECT Anchor loading in tension. (Through bolt or cast in anchors acceptable)



CORRECT Anchor positioning, NO risk of pendulum fall.



INCORRECT Anchor position, allows risk of pendulum fall.



Load rating single person use

- 15kN design load - fall arrest/
single person

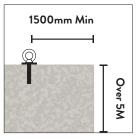


Figure 7

Anchor positioning for fall arrest minimum 1500mm from edge if vertical height is over 5000mm.

\*See fall clearance page

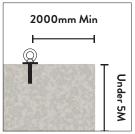


Figure 8

Anchor positioning fall arrest minimum 2000mm from edge if vertical height is under 5000mm.

\*See fall clearance page

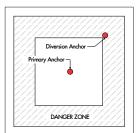


Figure 9

Primary anchor required in safe zone. Diversion anchor required in danger zone.



Figure 10

Anchor must include identification label confirming load rating and maintenance records, and installer/certifier details.

# DESIGN & LAYOUT

#### Must be read prior to installation

1. The hierarchy of risk control must be followed at all times



It is important to note that the lower the hierarchy of control, the greater the skill of the operator required and therefore is least preferred compared with a higher hierarchy requiring minimal operator skill and less risk of operator injury as a result of incompetence.

- 2. Professional guidance on the design and set out of this system should be obtained prior to installation.
- Certain environments produce acidic atmospheric conditions which are detrimental to steel structures and surfaces. Any acidic environment must be assessed and certified by persons prior to installation of this system.
- 4. Australian and New Zealand Standard AS/NZS 5532 does require each sub-structure type to which a fall arrest anchor system is attached to be individually tested and certified for safe use by the manufacturer.
- 5. When designing or positioning fall arrest systems it is important to check the following:
  - Roof pitch over 15° will require constant user attachment
  - Sub-structure type will determine fixing method
  - Number of persons required to work in the same area will determine preferred type of fall protection system provided
  - Type of work to be done will determine preferred type of fall protection system provided
  - How often area will need to be accessed will determine preferred type of fall protection system provided
  - Safe access to the work zone will determine preferred type of fall protection system provided
- Where possible, anchorage systems should always be positioned above the operator to minimise unnecessary fall distance.
- Drilled in or glued in anchors must not be positioned so as to allow tensile loads to be applied.
- 8. When connected to an anchorage system using a rope line lanyard, the anchorage must be placed a sufficient distance behind the operator to limit angle on lanyard to 20°. This is to avoid excessive tensile load on the anchor.

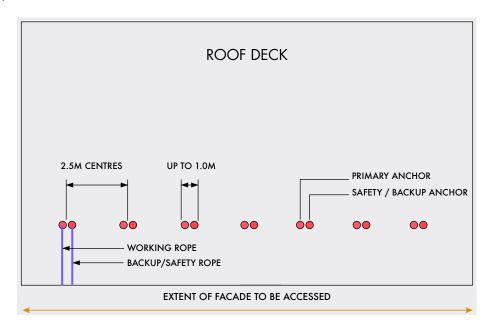
- 9. When positioning the anchor system it is important to ensure that there is no possibility of pendulum action should the operator accidentally fall as a result of incorrect anchor spacing between fall edge and spacing between anchorages.
- 10. Anti pendulum or diversion anchors must be provided to allow rope line extension into extreme corners preventing pendulum action in the case of a fall.
- 11. Any angle of roof pitch above 40° will require rope access anchorages for use as a work positioning system (abseil) in place of a fall arrest system.
- 12. Sufficient fall clearance is essential in order to ensure correct operation of the system in a fall situation. Should fall distance be less than 5.0m, anchorage system must be positioned at least 2.0m or more from



This document does not in any way replace the full Australian and New Zealand Standard document AS/NZS 1891 & AS/NZS 4488 which must be read and properly and understood prior to installation of this system.

### Anchor layout for rope access use

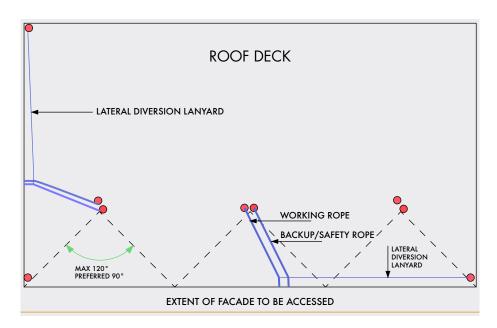
## Option 1



- This layout is used where anchors are positioned closer than 4.0m to the edge.
- Anchors positioned within 3.0m of the roof edge will require fall protection to be provided to allow operator to safely connect rope lines and hardware.
- This layout will allow access to the complete facade area for both window cleaning and maintenance.
- Anchor pairs spaced greater than 2.5m may restrict access to specific locations especially if maintenance such as caulking is required.

# Anchor layout for rope access use

Option 2



#### Rope access loads

Working load: 400kg (4kN) (serviceability load)

Ultimate load on rope: 1200kg (12kN)

A risk assessment should be done for all areas where the rope will be on loading edges. For critical structures, if ultimate load was applied to the edge which could cause catastrophic failure, then edge capacity needs to be designed for the ultimate loads so that if a fall did occur there would be no damage to the structure or cause injury to the operator (eg. brick parapets, curtain walls, balustrade with glass).

For non-critical structures, if ultimate load was applied to the edge but would not cause catastrophic failure, then edge capacity may be designed for serviceability loads (eg, aluminium sun shade). However if a fall was to occur, there may be superficial damage but no catastrophic failure. It is the responsibility of the building designer to analyse risk. Note, for non structural edges (such as aluminium cladding) a load spreader plate can be used to minimise damage.

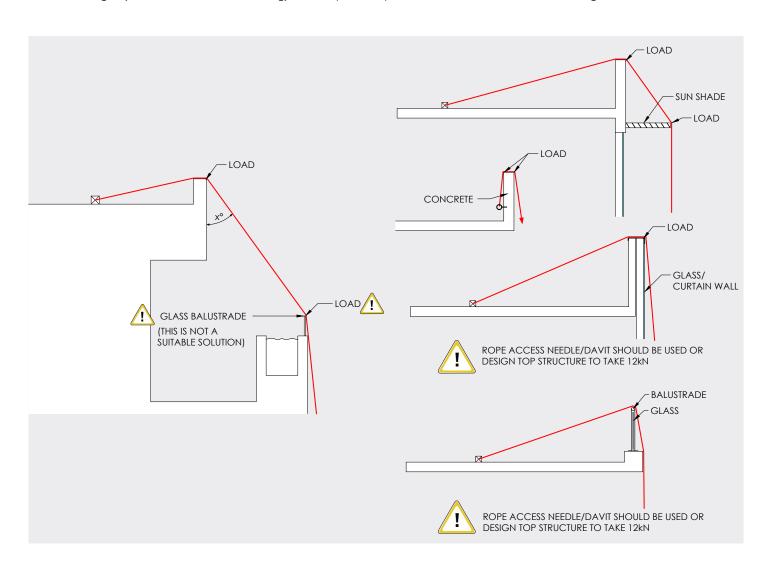


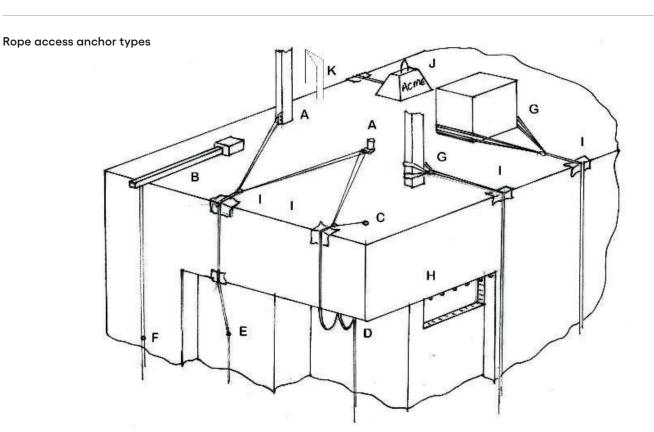


Diagram not to scale. For illustration purposes only.

### Rope access system design limitations

- Design and installation of rope access systems must be in accordance with the requirements of Australian and New Zealand Standard AS/NZS4488.
- 2. Primary rope access anchors require a minimum ultimate design load of 12kN (single person use).
- 3. Appropriate labels or markings must be clearly visible on each anchor and include the following:
  - Ultimate design load
  - Limitations of the system
  - Number of persons allowed per anchor
  - Next service date
  - Installer / certifier info
- 4. Kattsafe recommends that the design layout and installation of any rope access system is done by a fully trained and competent person with a level 3 rope access industry certificate.
- 5. All structural loadings/forces on parapets, awnings and sunshades or canopies to be calculated and authorised by a qualified engineer.

- 6. Any awning, sunshade or canopy less than 3.0m below top of parapet must be trafficable to allow operator to stand on whilst traversing past the canopy edge.
- Any structural components required for rope access loads (12kN) will need to be designed and approved by a qualified engineer.
- Any rope access anchorages placed within 3.0m of a fall edge, will require adequate fall protection to be provided for operator to access and attach to the rope access system safely.
- Adequate protection for rope lines over sharp or fragile edges must be provided in accordance with current industry codes of practice and guidelines.
- 10. All products/systems to comply with relevant Australian Standards; WHS Regulations and Codes of Practice.



REF	Anchor type	Ultimate load (kN)	Comments	
Α	Primary anchor	12	Design for 15kN where possible to also suit fall arrest.	
В	Counterweight anchor (sometimes known as a 'needle')	12		
С	Diversion anchor	12	Assists in varying the lateral positioning of the working rope line.	
D	Re-anchor (sometimes called a re-belay)	12	Where access is required underneath an overhang.	
E	Deviation anchor	6	Based on 20° max vertical deviation.	
F	Lateral restraint anchor	2	Stops lateral swing in windy or high access locations.	
G	Improvised anchor (using slings) in the cases above, use of a steel column and a lift motor room has been made but sometimes other devices are used such as rocks, trees, vehicles, machines etc		A structural engineer must be consulted unless it is not clear to a competent person that the improvised anchor will be capable of the load required.	
Н	Aid route anchor			
ı	Edge protection		Prevents damage to rope line over sharp edges.	
J	Dead weight anchor	12	Designed as a portable anchor.	
K	Davit (primary anchor)	12	Where access over parapets or balustrades are required.	

# INSTALLATION PROCEDURE

#### Step 1

- Prior to installation the condition of the roof deck and structure must be checked for suitability.
- Correct positioning of the anchor is critical to avoid a potential pendulum fall set up.
- The installation checklist will assist with critical assessment criteria.

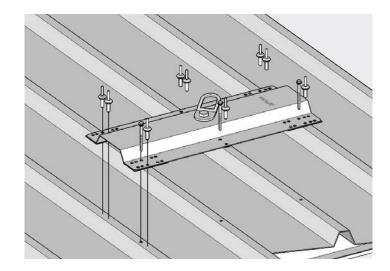


Do not proceed with installation of this system if any of the checking criteria does not meet the required standards. Seek advice from the manufacturer regarding other options.



#### Step 2

- Once position of anchor is determined, prepare area for installation.
- Remove roof screws if necessary and determine which rows of holes in anchor plate will suit best for roof crest spacing.
- Clean roof crest with rag to ensure good seal.



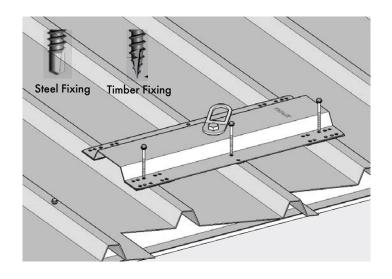
### Step 3

- Place plate into position and fasten 3 x I4G screws through holes.
- Any of the holes can be used to fasten through with 14G tek screws.



Use the correct screw for the right substructure.

- Drill point screws for steel purlin.
- Type 17 screws for timber.

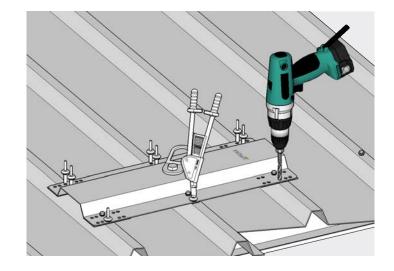


## Step 4

- Drill remaining 9 holes using an 8mm drill bit.
- Remove swarf to prevent any staining or rusting.
- Insert 9 x bulb type rivets (8mm bulb type) and rivet off all 8mm bulb type rivets.



Push down firmly whilst riveting to ensure correct penetration of



### Step 5

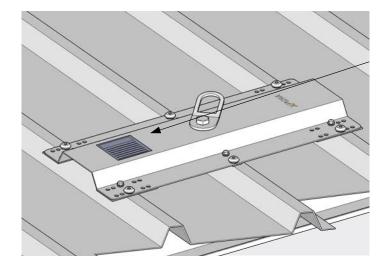
- Place identification label on anchor plate and complete details on label.
- Ensure swivel rotates freely.
- There must no be more than a 5mm gap between swivel and plate.



This anchor is only intended for single person fall arrest and abseil use.



Ensure all swarf is removed from anchor and roof deck to prevent staining or rusting.

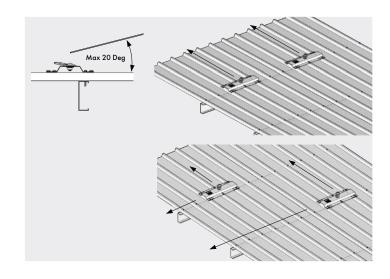


## Step 6

The top mount rope access anchor should always be in pairs. Layout of the anchors is critical as to how the system is going to be used. Anchors can be placed on the same purlin but is recommended to have the anchors offset if they will be used in multiple directions.



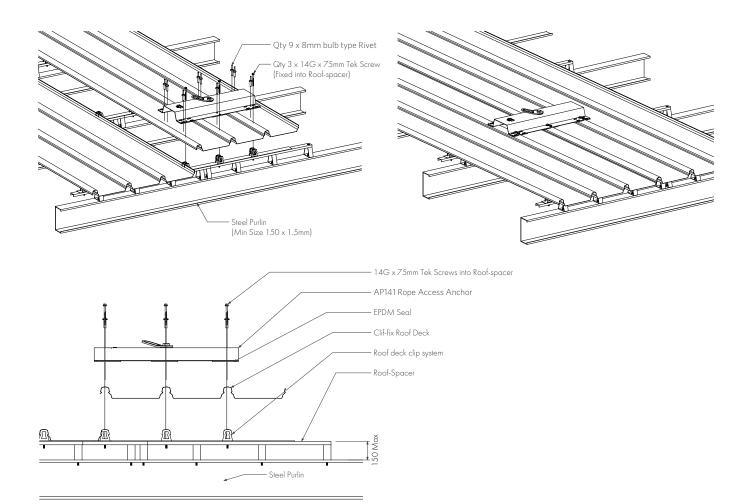
Max angle of rope line from roof deck (whilst in use) is 20 deg.



# TOP MOUNT ANCHOR INSTALLATION PROCEDURE DETAILS

### Top mount rope access anchor on metal clad roof containing a roof spacer

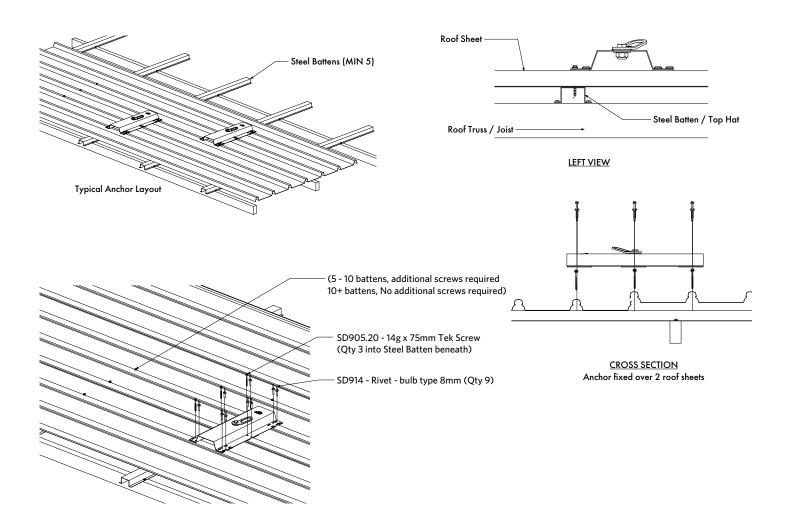
- Maximum 150mm spacer can be used
- Minimum of 4 cladding sheets must form the surface of the roof
- Minimum of 3 purlin bays (4 purlins) must form the surface of the roof
- Minimum of 2 cladding sheets must be on either side of the anchor
- 3 x 14G screws fasteners through roof sheet into roof-spacer bar + Qty 9 x 8mm bulb type rivets.



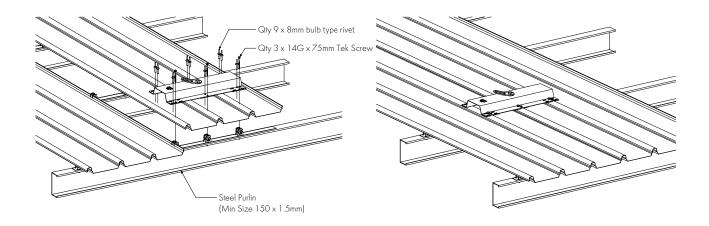
# Top mount rope access anchor on clip fix roof with 40mm steel battens

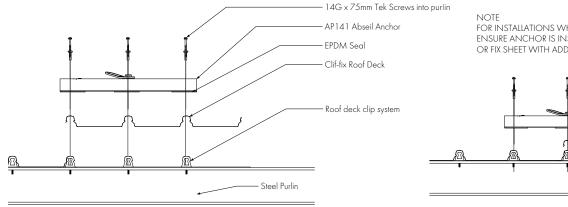
## Minimum Structure Requirements

- Anchor to be fixed over 2 roof sheets
- Min steel batten Size 40 x 0.48mm
- Min 5 battens beneath roof deck
- Min roof sheet thickness 0.42mm
- Max batten spacing 1000mm (min 5 purlins)

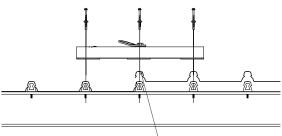


# Top mount rope access anchor on a clip-fix roof





#### NOTE FOR INSTALLATIONS WHERE THERE ARE ONLY 3-4 PURLINS ENSURE ANCHOR IS INSTALLED OVER 2 ROOF SHEETS OR FIX SHEET WITH ADDITIONAL SCREWS BEHIND



# INSTALLATION CRITERIA

Component	Installation criteria			
Roof deck	Roof structure in good condition.			
	Roof sheet fixings in good condition.			
	No rust or corrosion on roof sheet, purlins or structure.			
Roof metal thickness	Minimum 0.42mm base metal thickness.			
	Structurally sound ie. no rust/corrosion/visible damage.			
Structural requirements  Purlin - 150 x 1.5mm or 100	Steel purlin – 150 x 1.5mm base metal thickness or 100 x 1.9mm base metal thickness.			
x 1.9mm	Timber – 70 x 35 F7 (with suitable truss construction).			
Timber Batten - 70 x 35 F7 MIN	Structurally sound ie. no rust/corrosion/split/visible damage.			
Purlins	Minimum quantity 3 purlins/battens connected to roof deck.			
Alignment	Fixing holes to be aligned with fall of roof.			
Fixings	Steel/timber: 14 gauge tek screw.			
PURLIN	Minimum 2 screw fixings per anchor (any 2 holes).			
Rivet	8mm structural bulb type rivet.			
	Minimum 8 rivet fixings per anchor.			
Data label	Anchor data label attached at each anchor.			
	All relevant data filled out including next maintenance date.			
Clean up	Remove all swarf/abrasions from roof deck.			

# SYSTEM MAINTENANCE

### Must be read prior to checklist

- 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.
- 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.

- 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.
- 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
Fixings	Fixings to structure secure (min. 2 fixings to purlin, 8 fixings to roof deck).			
	Screws into structure must be verified by removing and checking if uncertain.			
6	Fixings to roof deck structure secure.			
	No evidence of penetration seal deterioration.			
Eyelet	Ensure eyelet fixing connection to plate is secure, max 5mm play between eyelet and plate.			
0	No evidence of eyelet damage or deformation.			
30	Ensure eyelet rotates freely.			
Data label	Data label attached and clearly visible.			
	All relevant data filled out including last maintenance date.			
Roof deck	Roof deck quality in good condition i.e. no visible 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.

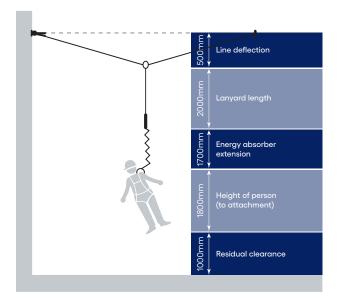
Harness connectors must support at least 15kN. Non-compatible connectors may unintentionally disengage (roll-out). Carabiners supplied with proprietary systems must not be removed or substituted with any other component.

### 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).

### 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

### Top mount rope access anchor

#### **RL400**

The top mount rope access anchor for metal decks is a surface mounted anchor. Installed in pairs for use as a primary rope access connection always use with a backup/rescue anchor System design, supply, layout, installation and certification by a Kattsafe approved installer, as per the manufacturer's installation instructions and current standards.

#### **Materials**

Plate: 304 profiled stainless steelEyelet: 316 profile stainless steel

#### **Dimensions**

Total height: 70mm (includes swivel)Overall size: 267mm x 552mm

### Weight

2.8kg (excludes fixings)

# Fixings (refer to installation manual)

- Timber fixing: 3 x 14g 75mm type 17 tek screws and 9 x 8mm structural rivets.
- Purlin fixing: 3 x 14g 75mm self-drilling tek screws and 9 x 8mm structural rivets.

### Substructure requirements

- The roof structure and deck must be in good condition

Minimum roof deck thickness: 0.42mm
Minimum purlin size: 150 x 1.9mm or
Minimum purlin size: 100 x 1.5mm

Minimum timber batten size: 70 x 35mm F7
Maximum angle of rope line over parapet: 20°

### Rating

Fall arrest: 15kNRope access: 15kN

#### Compliance

The AP141 top mount rope access anchor is designed and manufactured to conform to requirements of Australian and New Zealand Standard AS/NZS 5532:2013, AS/NZS ISO 22846, AS/NZS 1891.4:2009 and relevant statutory WHS Codes of Practice/Guidelines.

#### **Testing**

Testing and performance based on requirements of Australian and New Zealand Standard AS/NZS 5532:2013 and AS/NZS 1891.4:2009

Dynamic load tested: 15kNStatic load tested: 15kN

### **Product warranty**

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

# 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 to installation manual).

### Important note

- AP141 Top mount rope access anchor must be used in pairs for rope access. Layout is critical for optimum use and must be done by a rope access technician. The system must only be used by a trained rope access operator.
- Failure to supply and/or install proprietary product in accordance with above standards and codes, specifications and installation/usage guidelines 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**

Top mount rope access anchor



# Installation manual

Top mount rope access anchor



# Operations manual

Rope access anchors



# QMS Certification

ISO 9001:2015

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



Height access and fall protection

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