



FallSecure™ Anchor
Operating Manual

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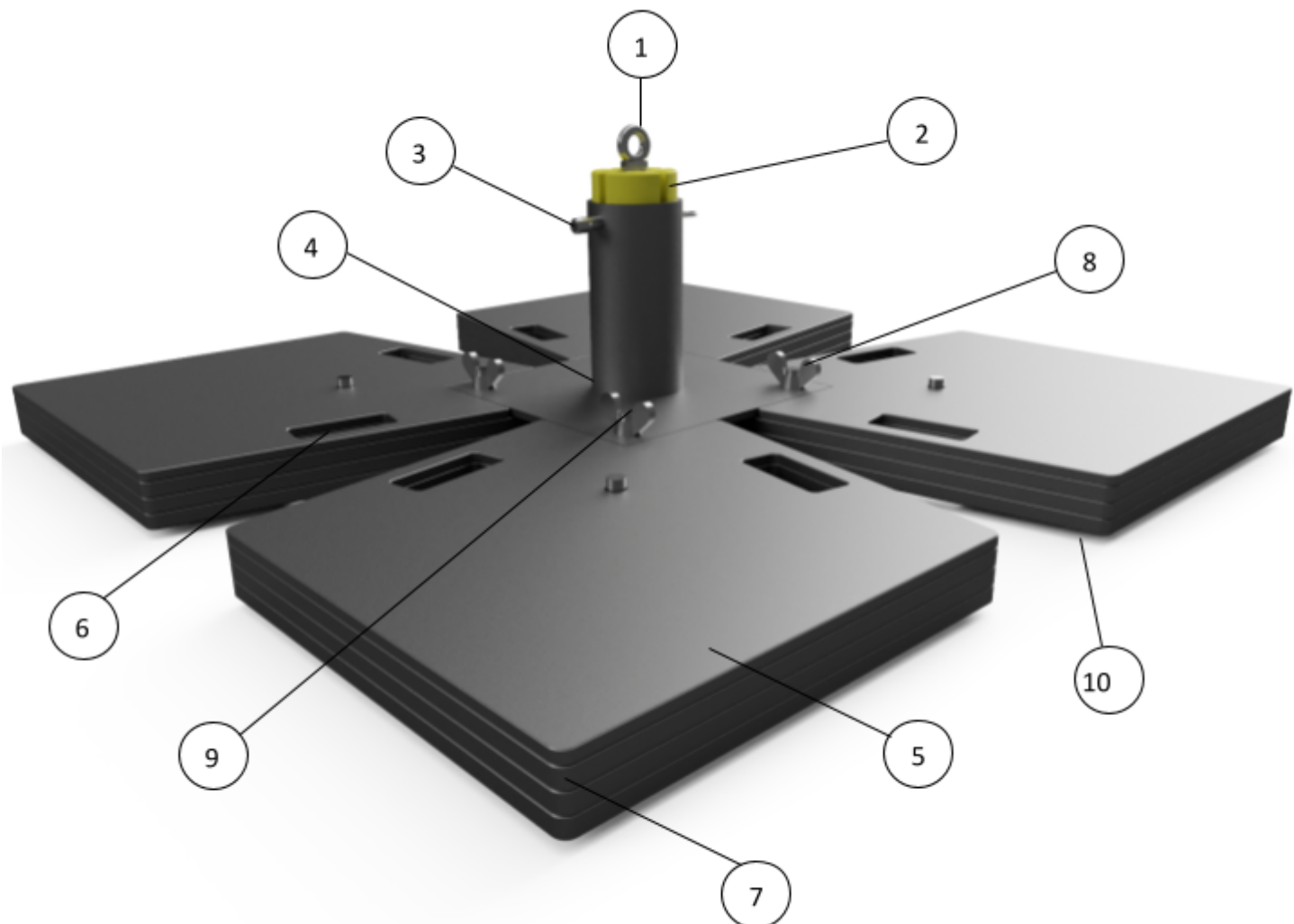
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Product Overview

FallSecure Anchor™ is a deadweight anchoring system that can be installed on flat roofs and fall risk areas within minutes. As a portable solution there are no roof penetrations and no tools are required for placement. With the 340kg twin user, the system can also be used as a single person fall arrest solution. FallSecure Anchor™ is a BS EN795:2012 type E anchor, with single or twin user options.

Component Key

1. Eyebolt
2. EdgeSeil™ Post
3. Quick Release Pin
4. Socket Base
5. Top Counterweight
6. Handle
7. Middle Counterweight
8. Wingnut
9. Threaded Rod
10. Base Counterweight



Operation

- Ensure that operation instructions have been read and fully understood prior to commencing work with the mobile anchor system
- FallSecure Anchor™ is designed for 2 users with a safe working limit of 200Kg.
- FallSecure Anchor™ is rated to 13KN. (BS EN795:2012 type E)
- Users of FallSecure Anchor™ must be competent and experienced. They should be trained in the safe use of the system.
- Periodic inspection and maintenance is required for EdgeSeil™ . It must not be used if it has an overdue inspection date.
- Equipment to be used with this system must be certified to EN795:2012, PD CEN/TS 16415 and BS8610:2017.
- The system and its components must be inspected for signs of deterioration and deformation prior to use. It must not be used if deterioration and deformation are present.
- If the system has been damaged or arrest has occurred due to a fall, ensure that it is not used again until it has been inspected and recertified.
- Ensure that fixings and components are securely fastened.
- Do not tamper with, modify or remove any part of this system unless authorised by the manufacturer.

Safe Use & Maintenance

- FallSecure Anchor™ (250 Kg) and FallSecure Anchor™ (340 Kg) is designed for 1 user with a safe working load of 100 Kg, and 2 users with a safe working load of 200 Kg, respectively. The number of users is indicated in the product nomenclature 1U or 2U .
- Systems options include 'IS' as part of the product nomenclature which is intended for external use but internal storage and should be dried and cleaned for storage.

The 'ES' product code indicates the product is suitable for External Storage or Permanent siting as part of a line system.

- FallSecure Anchor™ is rated to 13KN (BS EN795:2012 type E).
- A specialist working at height company, approved installer or partner contractor should be contacted for advice on systems layouts and harness / lanyard requirements under BS7883:2019

Recertification of this system is required to be performed by a LOLER competent, our recommendation by a LEEA or WAHSA member company. The recommended intervals for the conditions below:

EN ISO 12944-2 C1 – C3 Environments : Intervals of 12 months.

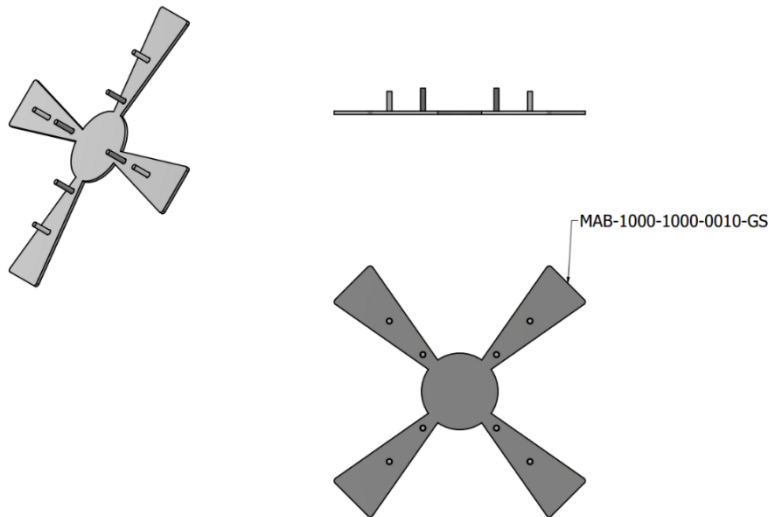
EN ISO 12944-2 C4 – C5 Environments : Intervals of 6 months*.

*For these environments please contact Sayfa group for product finishing options enquiries@sayfagroup.co.uk

Please contact Sayfa Group for Inspection Plan cost or view approved contractors at www.sayfagroup.co.uk

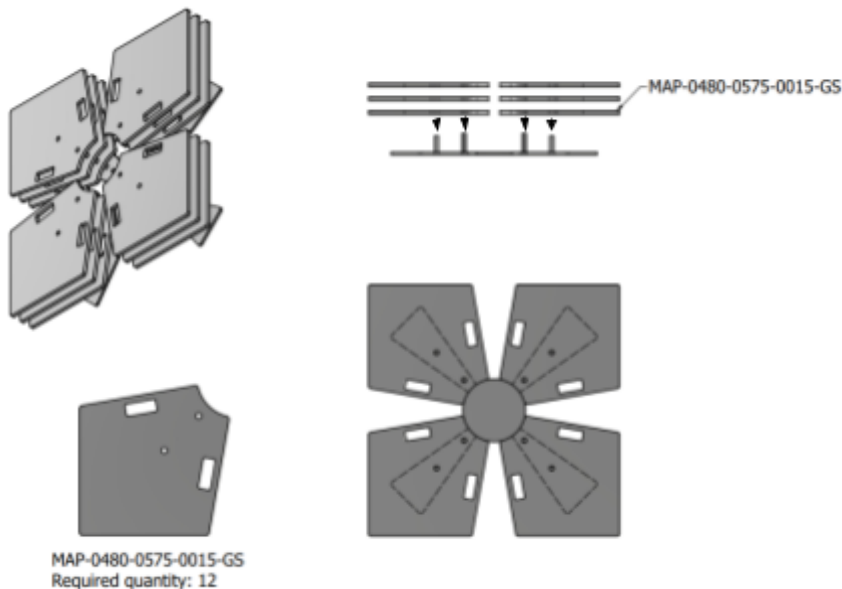
Quick Assembly Guide

Step 1



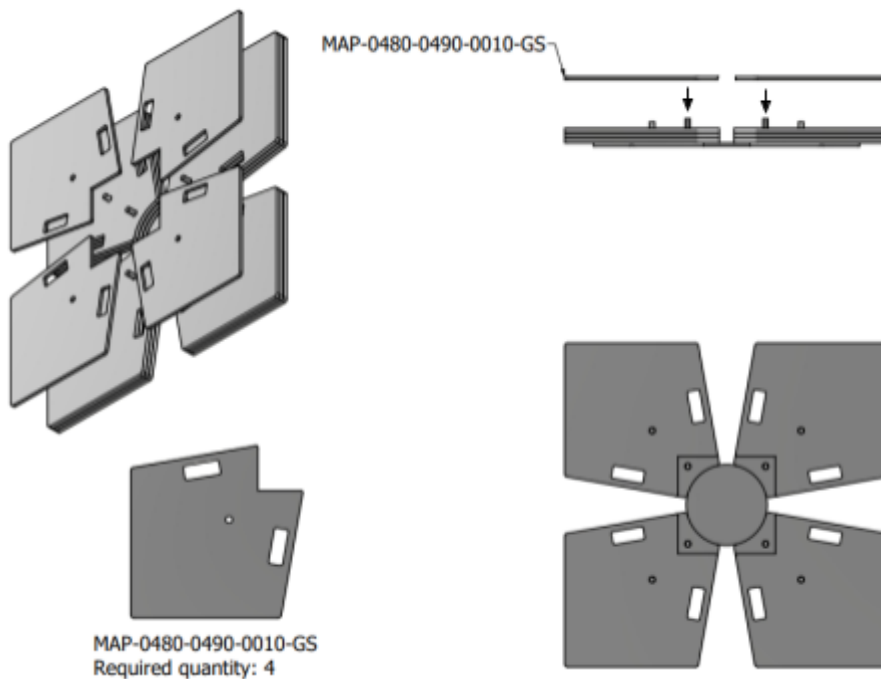
Ensure that the component MAB-1000-1000-0010 is lying flat at the desired location where FallSecure Anchor™ is to be used. Ensure that the pitch of the surface does not exceed an angle of 3°.

Step 2



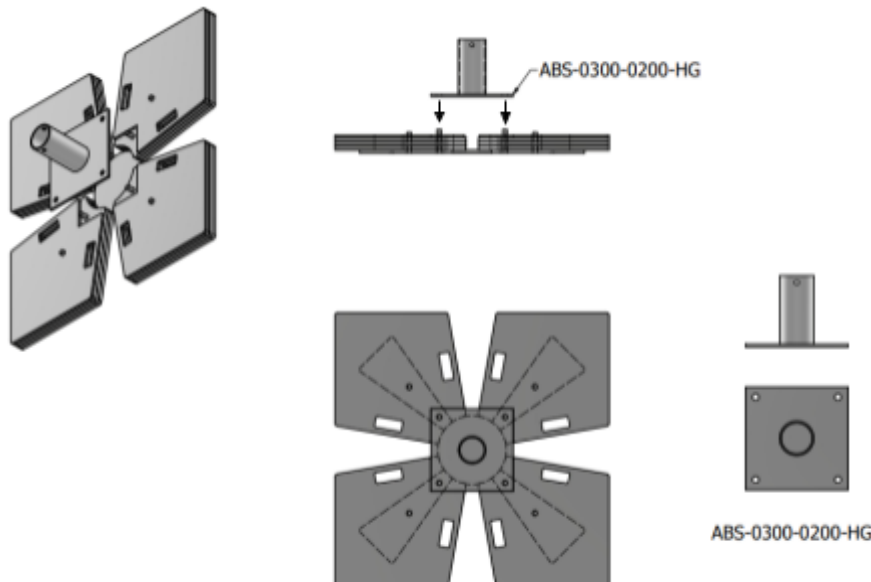
With MAB-1000-1000-0010 lying on the ground, place 12 of the component MAP-0480- 0575-0015 on top of MAB-1000-1000-0010. There must be 3 MAP-0480-0575-0015 on each wing. These can be slotted onto the pins to be securely held in place.

Step 3



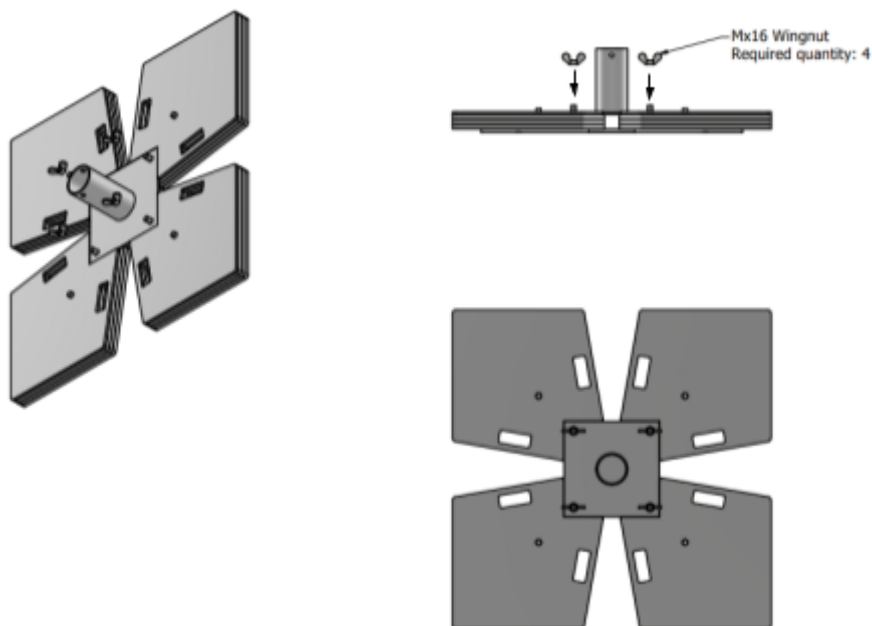
Following on from step 2, place 4 of the component MAP-0480-490-0010 to on top of the assembly. There should be one on each wing and the pin should be used to guide and position them correctly.

Step 4



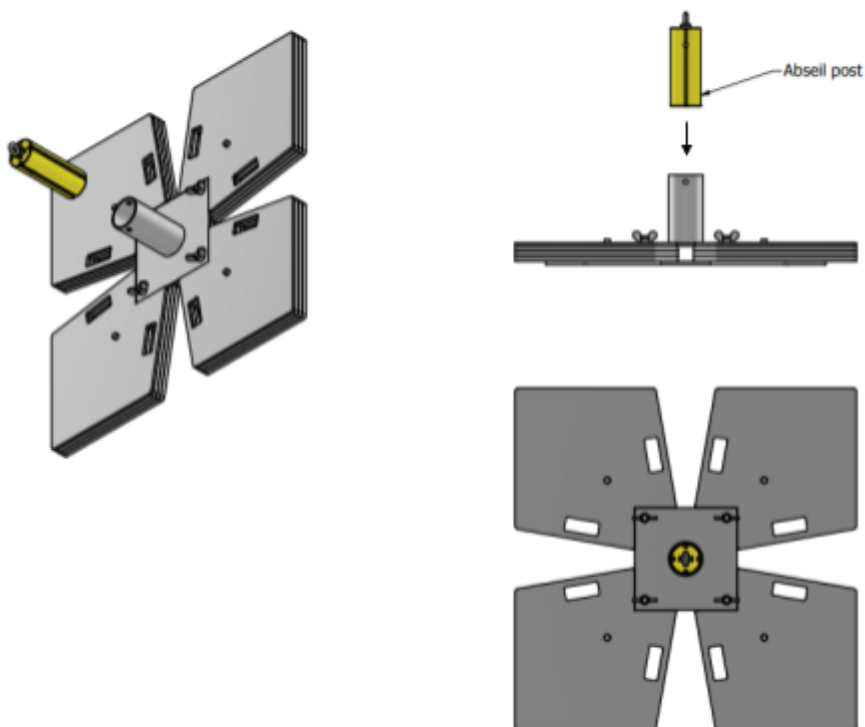
Following step 4, drop ABS-0300-0200 on top and in the centre of the assembly, using the threaded rod and geometry of MAP-0480-0490-0010 to guide and position it correctly.

Step 5

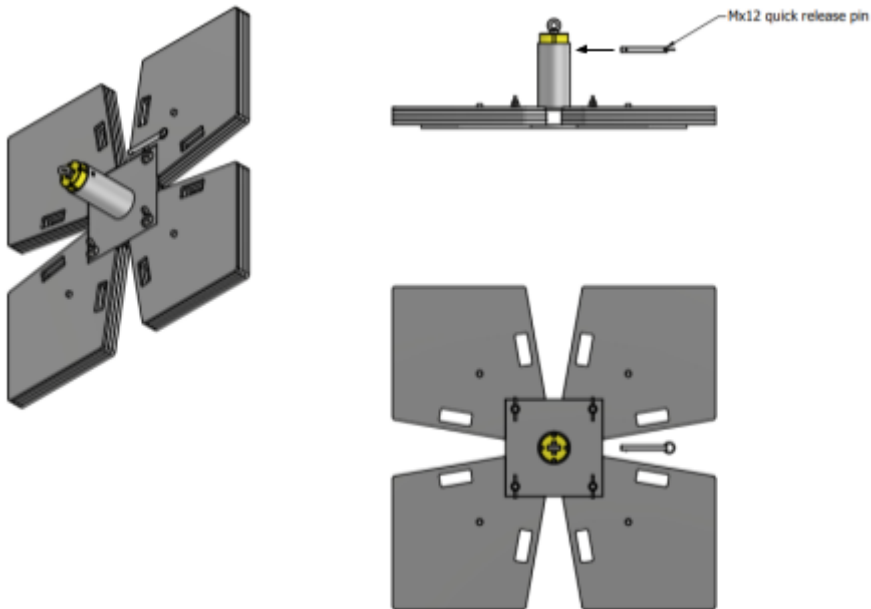


Ensure correct positioning of components and secure the assembly using 4 Mx16 wingnuts & washers provided.

Step 6



Drop the desired abseil post into the abseil base.

Step 7

Ensuring that the pin hole of the abseil post and abseil base are aligned, insert an Mx12 quick release pin through the base and abseil post.

Set Up and Assembly

Step 1

Ensure that all risks are taken account of prior to assembly of the mobile anchor. Place the base counterweight of FallSecure Anchor™ on flat ground at the location where it is required.



Step 2

Place a quantity of three of the middle counterweight on each wing of the base counterweight. The rods may be used to guide and position them correctly.



Step 3

Following step 2, place one of the top counterweights on top of each wing of the assembly. They can be guided down and positioned correctly using the threaded rods.



Step 4

Following step 3, drop the abseil base on top and in the centre of the assembly using the threaded rod and geometry of the top counterweight to guide and position it correctly.



Step 5

Ensuring that all components have been assembled and positioned correctly, secure the assembly using 4 Mx16 wingnuts & washers provided.

**Step 6**

Drop the desired abseil post into the abseil base.



Step 7

Ensuring that the pin hole of the abseil post and abseil base are aligned, insert an Mx12 quick release pin through the base and abseil post. **THIS IS A SAFETY CRITICAL OPERATION. PLEASE CHECK THE PIN HAS DEPLOYED.**



Rigging



Maintenance


FallSecure Anchor™ must be assessed and recertified by a height safety inspector at intervals of 12 months for corrosive and harsh environments. If more frequent assessments are required, then it may be done at intervals of 6 months.

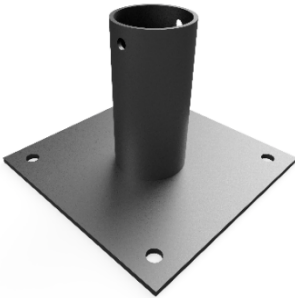
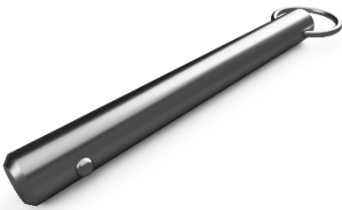

FallSecure Anchor™ must be cleaned using a damp or dry cloth. Chemicals which can damage its components must never be used.


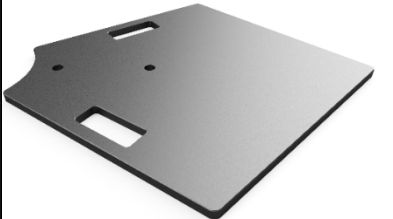
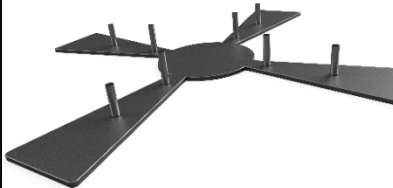

If there is evidence of deterioration or deformation due to overloading of the system, then it must be reported to the responsible person.

A record of inspections must be kept up to date.

The following checklist outlines the criteria for ensuring the safe use of the davit system. The system must be maintained by a height safety inspector.

Component	Inspection criteria	Pass Y/N	Action taken	Date
	Abseil post Inspect the abseil post and check for signs of deformation or deterioration due to overloading and weathering.			
	Inspect the abseil post and ensure that there is no deformation or elongation of the quick release pin hole.			
	Ensure that there is no deformation, deterioration or elongation of the eyebolt due to arrest or overloading of the system.			

	<p>Abseil base</p> <p>Inspect the abseil base and ensure that there is no deterioration or deformation due to arrest or overloading of the system.</p> <p>Ensure that there is no deformation and elongation of the fixing holes.</p>			
	<p>Quick release pin</p> <p>Inspect the quick release pin and ensure that there is no deformation or deterioration due to arrest or overloading of the system.</p> <p>Ensure that the detent ball is not damaged and functions correctly.</p>			
	<p>Wing nuts</p> <p>Inspect the wing nuts and ensure that there is no deterioration.</p>			

	<p>Top counterweight</p> <p>Inspect the counterweight and ensure that there is no deterioration of the component.</p>			
	<p>Middle counterweight</p> <p>Inspect the counterweight and ensure that there is no deterioration of the component.</p>			
	<p>Base counterweight</p> <p>Inspect the base counterweight and ensure that there is no deterioration of the base plate and threaded rods.</p>			
	<p>Certification label</p> <p>Ensure that information is clearly identifiable.</p> <p>Installer details and install date must be present on the label. (EXAMPLE ONLY, PLEASE SEE sayfagroup.co.uk for approved Installation and LOLER Certification companies)</p>			

Technical Specification

FallSecure Anchor™ is a deadweight anchoring system that can be installed on flat roofs and fall risk areas within minutes. Mobile Anchor systems are suitable for temporary solutions or permanent installation to existing buildings or areas with limited space and access. As a portable solution there are no roof penetrations and no tools are required for placement. It is designed in accordance with BS EN 795 Personal fall protection equipment Anchor devices, PD CEN/TS 16415 Personal fall protection equipment Anchor devices, Recommendations for anchor devices for use by more than one person simultaneously, BS 8610 Personal fall protection equipment. Anchor systems.

Features

Locking pin- Facilitates rapid assembly and disassembly of the abseil post whilst providing a secure connection between the abseil base and abseil post.

Wing nuts- Facilitates rapid assembly and disassembly whilst ensuring that the counterweights remain in place and secure.

Stackable counterweights- Facilitates the effortless modification of the system weight according to requirements.

Base counterweights with threaded rods- facilitates the secure stacking of counterweights. Wing nuts are used to secure the assembly with the aid of the threaded rods.

Rating

6kN single user. 100kg safe working load.

13kN dual user. 200kg safe working load.

Dimensions

Code: FSP.0250.1200.2U

Width: 1000mm

Height: 340mm

System weight: 340 Kg

Rating: 13KN

Safe working load: 200 KG

Unit weight

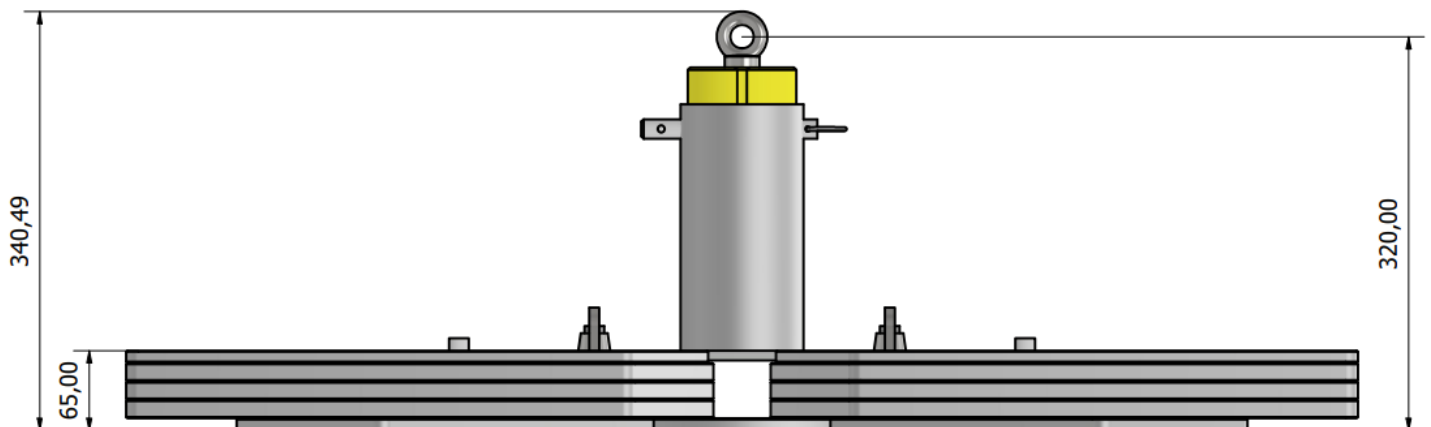
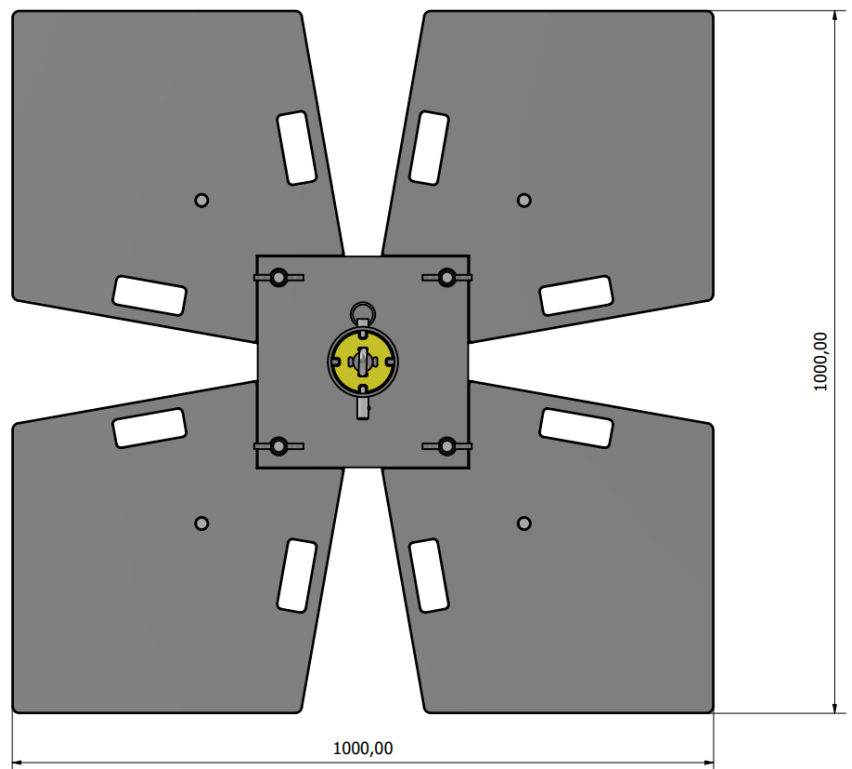
Abseil post – 3.5 Kg

Abseil base – 7 Kg

Top counterweight – 13.55 Kg

Middle counterweight – 21.55 Kg

Base counterweight – 16.8 Kg

**Material specification 'IS'**

S235 Mild Steel Weights Polyester Powder coated

S275 Mild Steel Base Plate Polyester Powder coated

S355 Mild Steel RHS Polyester Powder coated

A4/1.4401 A70 Grade M16 Bolts

A4/1.4401 A70 Grade M16 Pins

6082-T6 Structural Aluminium Post

EN795 316 Stainless Steel Eye Bolt

A4/1.4401 Grade Stud

Material specification 'ES'

S235 Mild Steel Weights Polyester Powder coated

S275 Mild Steel Base Plate Bright Zinc Plated Polyester Powder coated

S355 Mild Steel RHS Hot Dip Galvanised Polyester Powder coated

A4/1.4401 A70 Grade M16 Bolts

A4/1.4401 A70 Grade M16 Pins

Installation / fixings

Free standing, suitable for flat roof applications and solid / level substrate

Test standards

- BS EN 795 Personal fall protection equipment. Anchor devices.
- PD CEN/TS 16415 Personal fall protection equipment. Anchor devices. Recommendations for anchor devices for use by more than one person simultaneously.
- BS 8610 Personal fall protection equipment. Anchor systems.

Related standards

- BS 7883 Code of practice for the design, selection, installation, use and maintenance of anchor devices conforming to BS EN 795.
- BS 7985 Code of practice for the use of rope access methods for industrial purposes.
- BS ISO 22846 Personal equipment for protection against falls.
- BS 8437 Code of practice for selection, use and maintenance of personal fall protection systems and equipment for use in the Workplace.

Testing

Testing and performance are in accordance with BS EN 795 Personal fall protection equipment, PD CEN/TS 16415 Personal fall protection equipment, and BS 8610 Personal fall protection equipment.

Dynamic testing: 200 Kg

Static testing: 13 KN

Product warranty

5 Years Standard Warranty

10 Years SAYFA+ Warranty

Please refer to the Warranty Application available on www.sayfagroup.co.uk.



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