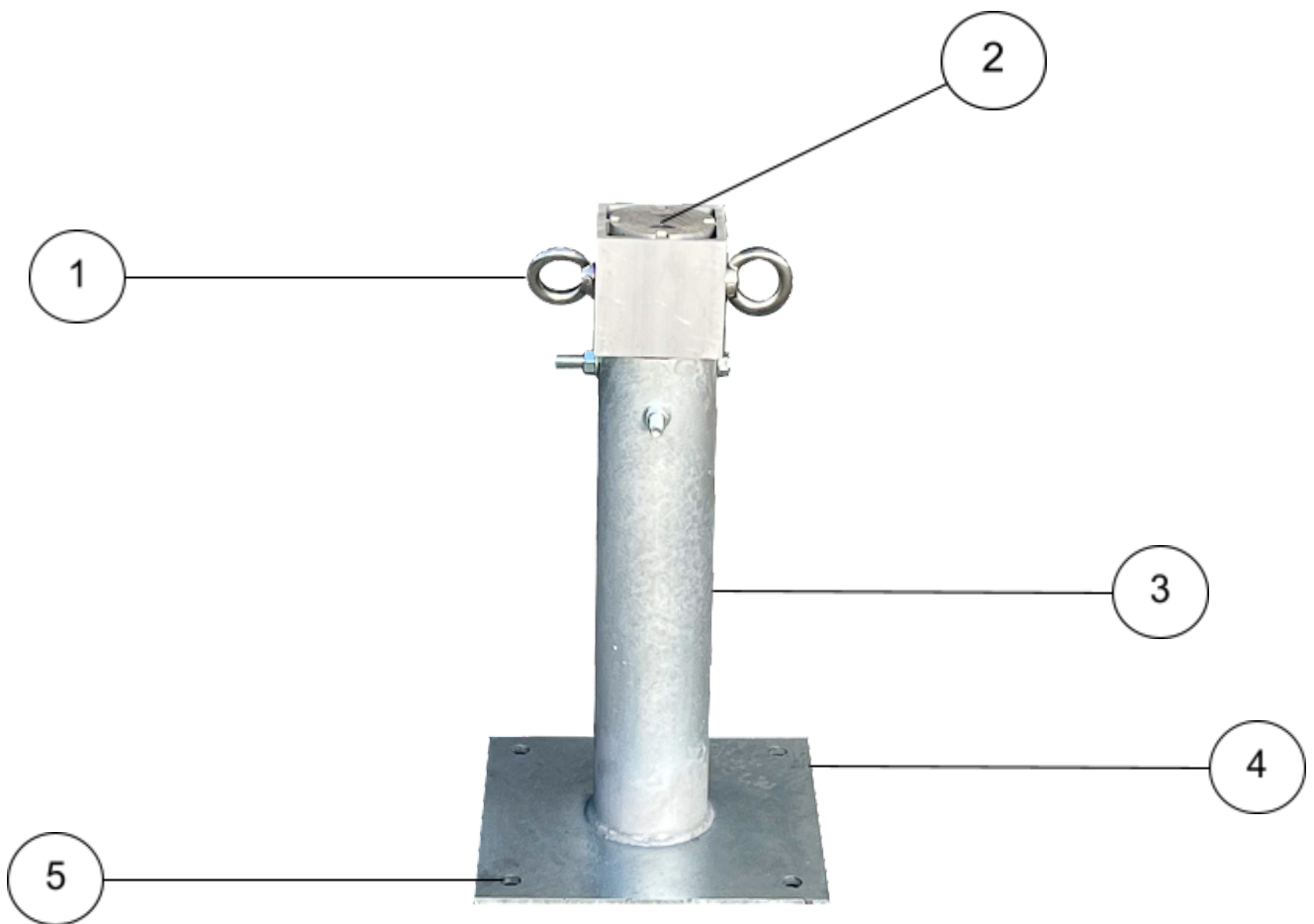




EdgeSeil Post™
Operating Manual

Product Overview

The Working at Height 2005 Act necessitates a safe system of work at height for the maintenance of all buildings. Davit systems are now an essential solution for Cleaning and Maintenance of buildings. Sayfa EdgeSeil post™ is designed for lifting and lowering personnel and complies with EN795:2012, PD CEN/TS 16415 and BS8610:2017.



Component Key

1. Rigging points
2. Structural Post
3. Weathering Post Base
4. Base Plate
5. Fixing holes

Operation

- Ensure that operation instructions have been read and fully understood prior to commencing work with Edgeseil post.
- EdgeSeil Post™ is designed for 1 or 2 users, indicated as part of the product code alpha numerical coding of 1U or 2U. Abseil posts that are 1U also have a single rigging point (although it is necessary to rig to two points). For 2U's posts there are two rigging points.
- EdgeSeil Post™ is not to be used during severe weather conditions. It must not be used when wind conditions are greater than 23mph.
- EdgeSeil Post™ is rated to 15kN for 1U or 21KN for 2U to BS8610-2017.
- Posts must be mounted level with a maximum of 5.0 degrees tolerance.
- It is recommended the rope only deviates over the leading edge of the building to prevent accidental load transferences
- The Supervisor of abseil post rigging must have a minimum level 3 IRATA qualification for rope access systems.
- Operators of the EdgeSeil post should be IRATA level 1 or 2 qualified but must be competent and experienced. They should be trained in the safe use of the system with appropriate rescue plans.
- Periodic inspection and maintenance is required for EdgeSeil™. It must not be used if it has an overdue service date.
- The system, its components and the structure to which it is attached to 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. Any adjustments required will need to be performed by a height safety inspector.
- Should rope lines pass over an edge, then rope protectors must be used.
- There must always be 2 people during the operation of the system. In the event of an emergency, one person can provide rescue assistance and first aid. For single user Davits, an abseil post within a reach and grab proximity will be required.
- Do not tamper with, modify or remove any part of this system unless authorised by Sayfa Group.

Safe Use & Maintenance

- Please note the Operation requirement for Safe Use.
- Abseil Posts with a single eyebolt / rigging points are single user / 1U.
- Abseil Posts with two eyebolts / rigging points are two user / 2U, accompanied rescue
- For Abseil Posts with a one to one Structural Posts to Weathering post ratio's, these are essentially maintenance free providing LOLER inspection intervals are up to date.
- For Abseil Posts with relocatable Structural Posts, the locating pins and eyebolts / rigging points should be checked before every descent.,
- Recertification of the Davit 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 6 months#

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

*For C4 – C5 environments at least 304 grade stainless steel specification Davit bases should be selected. Sayfa+ options on the Davit (such as electro-polishing) are available for corrosive atmospheres or extended warranties.

#Contact Sayfa Group if a permanently placed Davit Arm assembly is required.

Quick Assembly Guide

Relocatable Structural Post

Step 1

Place / drop structural member into socket



Step 2

Securely pin in two places structural



Step 3

Check eyebolts / rigging points are fully tightened.



Maintenance

EdgeSeil™ post must be assessed and recertified by a competent person as defined under the Lifting Operations and Lifting Equipment Regulations 1998 and at intervals of 6 months or less if specified by the manufacturer.


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


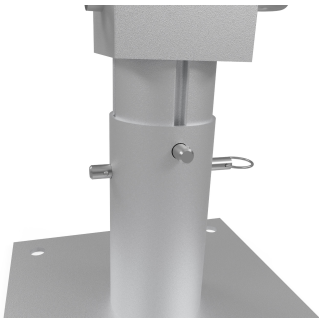

The support structure must be checked for damage or deterioration.

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
	<p>Abseil post Inspect the abseil post and ensure that there are no signs of deterioration or cracks.</p>			

	<p>Eyebolts Ensure that there is no deformation or elongation of the eyebolts due to overloading.</p>			
	<p>Quick release pins / bolts Inspect the quick release pins or bolts. Ensure that they are free from deterioration and deformation due to overloading. Ensure that the quick release pins are fully deployed.</p>			
	<p>Abseil post base Inspect the davit base and ensure that there is no deterioration. Ensure that there is no deformation of the tube, tie-off points, gussets and tube.</p>			

	<p>Ensure that there is no elongation of the quick release pin hole.</p> <p>Fixings are required to be pulled to 21kN and maintained for 3 minutes. There must be no movement of the anchors.</p> <p>Fixing nuts must be torqued to 60 – 125Nm depending on fixing type and fixing method.</p>			
--	--	--	--	--

Technical Specification

EdgeSeil™ Abseil post System, comprising surface fixed bases and structural post from heights of 250mm to 750mm is designed for lifting and lowering personal and materials, and complies with EN795:2012, PD CEN/TS 16415 and BS8610:2017.

Features

Locking pin- Facilitates rapid assembly and disassembly whilst providing a secure connection

Ratings

21kN two user

15kN single user, 600kg safe working load.

Materials Specification

'HG'

S275 Mild Steel Base Plate Hot Dip Galvanised C4.

S355 Mild Steel RHS Hot Dip Galvanised C4.

'SS'

304 grade stainless steel Base Plate.

E355 304 grade stainless steel RHS

A4/1.4401 A70 Grade M16 Bolts.

A4/1.4401 A70 Grade M16 Pins.

6082-T6 Structural Aluminium Inner & Outer.

Installation / Fixings

4 x M16 stainless steel stud with 220mm resin embedment.

4 x Concrete Anchors 105mm M12 anchors.

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 6037 Planning, design, installation and use of permanently installed access equipment. Code of practice.

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: 6 KN

Static testing: 21 KN

Product Warranty

'HG' 5 Years - Standard Warranty

'HG' 10 Years – SAYFA+ Warranty

'SS' 15 Years - Standard Warranty

'SS' 30 Years – SAYFA+ Warranty

'EP' 30 Years - Standard Warranty

'EP' 60 Years – SAYFA+ Warranty

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



GET IN TOUCH

SAYFAGROUP.CO.UK

ENQUIRIES@SAYFAGROUP.CO.UK

UNIT B1 - RESEARCH POINT
SHEPSHED,
LEICESTERSHIRE,
LE12 9NH

+44 1509 509 273

