



SAFETY AT THE HIGHEST LEVEL

KeeLine Operation & Maintenance Manual





KeeLine Horizontal Life Line



INTRODUCTION

KeeLine® Systems are the perfect answer to providing fall arrest/restraint protection where guardrails are not suitable or for when planning considerations dictate the need for a virtually invisible solution. The Horizontal Life Line provides complete and continual "handsfree" protection for up to three operatives when used as a fall arrest system. When a bracket is encountered, the traveller connecting the operative to the system, glides over the bracket without the need to detach from the fall protection system. The system can be installed to any steel cladding panel, beam/column structure, solid parapet walls and flat roofs via a support post.



APPLICATION

Standard fixings permit the Horizontal Life Line to be fitted to standard roof types including membrane, standing seam, metal profile and composite panel roofs.

The Horizontal Life Line system incorporates PAS (Progressive Absorbing System), making the system's design totally unique. The shock absorbers, intermediate brackets and support posts are designed to deploy and deform should an operative fall, thus reducing the loadings applied to the building's structure to below 10kN (2248lb/ft)



DESIGN SPECIFICATION

The KeeLine® system's innovative design means it can span up to 12m (39') between supports and, when installed as an overhead system, spans of up to 24m (78') can be achieved on 8mm (5/16 or 0.31") stainless steel cable. The system is also unique as the traveller suits multiple connectors and has been designed to allow entry/exit at any point along the entire length of the system. This traveller has been engineered with a double action fail safe mechanism and has no mechanical/moving parts which reduces the potential for misuse and maintenance requirements of the system.

Swaging at each corner has been avoided through the application of a hollow stainless steel tube which allows the 8mm (5/16 or 0.31") cable to pass through it. This tube is formed to the desired angle on site, allowing the system to change direction easily.

Kee[.] Line

Kee[®] Line

KeeLine Horizontal Life Line







INSTALLATION

Any fixing through the roof structure is a potential maintenance consideration for the future and additional cost when installing a horizontal life line system. With up to 50% less support posts needed to fix through the roof structure, this system reduces the potential maintenance to an absolute minimum and gives clients a substantial cost saving.

KeeLine® is completely versatile and incorporates an extended intermediate bracket allowing up to 15° adjustment to accommodate variations on site such as ridges, gutters and hipped roofs. The system provides a choice of swage or swageless tensioners and end terminations and incorporates standard 90° or 135° corners.

On steel profile cladded roof designs, it may be possible to use a top fix post, thus avoiding the need to cut through the roof cladding panel in order to fix the support post as with traditional systems. This new technology has been made possible with the design of systems incorporating shock absorbers, collapsible brackets and posts which absorb the shock loading applied to the cladding panel and fixings. The Horizontal Life Line System is so well engineered that the number of rivets used to attach the top fix post to the roof cladding has been reduced to just eight rivets where the gauge of the roofing sheet is at least 0.7 mm 1/32 or 0.028").

In some instances it may not be possible to conventionally fix through the roof's structure. In these cases a free standing fall arrest/restraint solution using the "Linked Kee Anchor" can be provided. A series of Kee Anchors can be linked at approximately 10m (32') centres via the KeeLine horizontal restraint line. When a bracket/Kee Anchor is encountered, the traveller attaching the operative to the system simply glides over the bracket without the need to detach.

Whilst the operative is attached to the horizontal Life Line a "fall restraint" solution is provided. If the operative needs to go within 2m (6'6") of the roof edge, then they must attach to an individual Kee Anchor and detach from the horizontal Life Line, this being a "fall arrest" solution.

CERTIFICATION

KeeLine® Systems conform to the requirements of BS EN 795 2012, ANSI Z359, CSA Z259 and AS/NZS 1821.

LEGAL REQUIREMENTS

All fall arrest systems & PPE equipment need regular inspection and recertification in accordance with BS EN 365: Personal Protective Equipment against falls from height - General requirements for instruction for use and marking. This can be carried out by Kee Safety as a service contract and included within the quotation for the system. The Work at Height Regulations require that the employer/ building owner has a rescue plan and policy in place for all fall arrest systems

KeeLine Horizontal Life Line Specification

PRODUCT SPECIFICATION EN795 (Europe)

FEATURES :- A hands free fall protection system for up to three persons.

GENERAL

A cable based fall arrest/restraint fall protection system for roof tops, façades and overhead applications. The system provides hands free falls from height protection compliant to EN 795 Class C. System incorporates PAS (Progressive Absorbing System) The shock absorbers, intermediate brackets and support posts are designed to deploy and deform should an operative fall, thus reducing the loadings applied to the building's structure to below 10kN.

MATERIALS

Primary components connecting to the cable are fabricated from 316 Grade Stainless Steel. Secondary components are fabricated from steel to BS EN 10025 S275 Grade and S275JO Grade. All steel components are then hot dipped galvanised to BS EN ISO 1461. All fixings are A2 Grade Stainless Steel. The cable consists of an 8mm 316 grade stainless steel 7 x 7 structure with breaking resistance of >37kN. The system is pre-tensioned to 80daN.

DESIGN

All systems are designed, as far as possible, to be used as fall restraint systems (At least 2.5m from an leading edge). When designed as fall arrest systems a rescue plan must be incorporated within the design.

The spacing between intermediate supports can be up to 12m (39'). When used overhead this can be extended up to 24m depending on ground clearance and "V" deflection. The system can be used in any horizontal configuration including curves and/or inclinations up to 15°. The system can be installed on various structures using specifically designed posts.

TRAVELLER

The traveller suits multiple connectors and has been designed to allow entry/exit at any point along the entire length of the system. When mounted at roof level the user can move either side of the cable. This traveller has been engineered with a double action fail safe mechanism and has no mechanical/moving parts which reduces the potential for misuse and maintenance of the system.

TESTING

All systems have been tested to EN 795 Class C Personal fall protection equipment - Anchor devices.

ANNUAL RECERTICATION

Annual recertification in accordance with BS EN 365 and BS 7883 is required.







Kee[.] Line

Chem fix - concrete deck flat roof



Toggle fix - Tray Liner





Rivet fixing - cladded roof

Kee' Line

KeeLine Components BS EN 795 Type C





STANDARD INTERMEDIATE BRACKET - Wall and Roof Mounted INTW010

Designed to allow the Traveller to pass over the brackets without detaching from the system. Maximum span of 15m between Intermediate Brackets. Material : Stainless steel AISI 316L. Breaking strength >12kN. Net weight : 0.49kg.



EXTENDED INTERMEDIATE BRACKET - Wall and Roof Mounted INTEW010

Designed to allow the Traveller to pass over the brackets without detaching from the system. Maximum span of 15m between Intermediate Brackets. Material : Stainless steel AISI 316L. Breaking strength >12kN. Net weight : 0.63kg.



STANDARD INTERMEDIATE BRACKET - Overhead - KOINT

Designed to allow the Traveller to pass over the brackets without detaching from the system. Maximum span of 15m between Intermediate Brackets. Material : Stainless steel AISI 316L. Breaking strength >12kN. Net weight : 0.8kg.



Allows the system to turn through 90° or 135° Other angles can be achieved via cutting the tube in order to form the required angle. Material : Stainless steel AISI 316L. Ø 13.5mm. Net weight : 0.2kg. (Tube only) Net Weight : 1.03kg. (Complete assembly)



CORNER BRACKET - Wall and Roof mounted 90° - LAKL20090

Allows the system to turn through 90° or 135° Other angles can be achieved via cutting the tube in order to form the required angle. Material : Stainless steel AISI 316L. Ø 13.5mm. Net weight : 0.46kg.



CORNER BRACKET - Wall and Roof mounted 45° - LAKL20045

Allows the system to turn through 90° or 135° Other angles can be achieved via cutting the tube in order to form the required angle. Material : Stainless steel AISI 316L. Ø 13.5mm. Net weight : 0.388kg.





OVERHEAD TENSIONER AND TENSION INDICATOR - KOTEN

Kee[®] Line

The pretension indicator is a way of instantly adjusting and checking the correct tension of the life line cable. The Tension Indicator (yellow) is set to 3kN when used on an overhead system. Material : Stainless steel AISI 316L. Breaking strength >22kN. Net weight : 1kg.



OVERHEAD SWAGELESS TENSIONER AND TENSION INDICATOR - KOTENS

The pretension indicator is a way of instantly adjusting and checking the correct tension of the life line cable. The Swageless Tension Indicator (yellow) is set to 3kN when used as an overhead system. Material : Stainless steel AISI 316L. Breaking strength >22kN. Net weight : 1.3kg.



STANDARD TENSIONER AND TENSION INDICATOR - TENS10

The pretension indicator is a way of instantly adjusting and checking the correct tension of the life line cable. The Tension Indicator (red) is set to 1kN for horizontal systems. Material : Stainless steel AISI 316L. Breaking strength >22kN. Net weight :1.07kg.



STANDARD SWAGELESS TENSIONER AND TENSION INDICATOR - LA-SWTEN

The pretension indicator is a way of instantly adjusting and checking the correct tension of the life line cable. The Swageless Tension Indicator (red) is set to 1kN for horizontal systems. Material : Stainless steel AISI 316L. Breaking strength >22kN. Net weight : 1.21kg.



SWAGE END FITTING - LAKL2HEX8

A swage connection ensures secure assembly of the Cable (diam 8mm) to the End Anchor. Material : Stainless steel AISI 316L. Breaking strength >22kN. Net weight : 0.13kg.



SWAGELESS END FITTING - LA-TERMSW

A swageless connection ensures secure assembly of the Cable (diam 8mm) to the End Anchor. Material : Stainless steel AISI 316L. Breaking strength >22kN. Net weight : 0.26kg.

Kee [.] Safety	RESTRAINT SYSTEM SEPARATING PEOPLE FROM HAZARDS	Kee [.] Safety	FALL ARREST SYSTEM
HEAD OFFICE Kee Safety Limited Cradley Business Park Overend Road Cradley Heath West Midlands B64 70W	SYSTEM NUMBER DATE MAX NUMBER OF USERS	HEAD OFFICE Kee Safety Limited Cradey Business Park Overend Road Cradey Heath West Midlands B64 7DW	SYSTEM NUMBER INSTALLATION DATE MAX NUMBER OF USERS
(t) +44 (0) 1384 632 188 (f) +44 (0) 1384 632 192 (e) info@keesafety.co.uk (w) www.keesafety.co.uk • RE-TEST ONLY TO	LANNARD LENGTH NOT TO EXCEED ANNUAL INSPECTION RECOMMENDED BE CARRIED OUT BY AUTHORISED SERVICE AGENT.	(1) + 44 (0) 1384 632 188 (1) + 44 (0) 1384 632 192 (e) info@weesafety.co.uk (w) www.keesafety.co.uk • RE-TEST ONLY TO	LANVARD LENGTH NOT TO EXCEED ANNUAL INSPECTION RECOMMENDED BE CARRIED OUT BY AUTHORISED SERVICE AGENT.

SYSTEM PLAQUE - SL111/1

Provides details of the system and approvals. Material : plastic. Component weight : 0.085kg.

Kee[.] Line

KeeLine Components BS EN 795 Type C







END DEFORMATION SUPPORT POST - STEX10

This post provides a standard method of connecting the system directly to the Base Plate. Material : Galvanised steel to BS EN ISO 1461. Net weight : 1.8Kg.



INTERMEDIATE AND CORNER DEFORMATION SUPPORT POST - LASTICO12

This post provides a standard method of connecting the system directly to the Base Plate. Material : Galvanised steel to BS EN ISO 1461. Net weight : 0.974kg.





STANDING SEAM CLAMPS - Z5

These are used in conjunction with the Base Plate Metal Roofs – SPS10 to connect the plate to the roof structure. Material : Aluminium and stainless steel. Net weight : 1.04kg.



RIVETS (PKT100) - RIVETS

These are used in conjunction with the Base Plate Metal Roofs – SPS10 to connect the plate to the roof structure. Material : Aluminium. Net weight : 1kg per 100.



BASE PLATE METAL ROOFS - SPS10

This plate provides a method of connecting the system to a metal roof structure. Metal roof panels with minimum steel thickness 0.7mm require 2 Rivets per corner. Includes Butyl Sealing Strip to maintain roof's integrity (TA-SEAL 15m roll) Fixing centres: 500, 400, 333, 310. Composite roof panels with minimum steel thickness 0.5mm thick require 4 Rivets per corner. Includes Butyl Sealing Strip to maintain the roof's integrity (TA-SEAL 15m roll) Fixing centres: 333 mm

Standing seam roofs

Designed to clamp on to the standing seam of a proprietary roofing sheet. Fixed with non penetrative Z5 clamps Fixing centres: 305, 400, 500mm Z5 (4 per pkt) Material : Galvanised steel to BS EN ISO 1461.Net weight : 5.75kg.





SEALING STRIP (15M ROLL) - TA-SEAL

This is used in conjunction with the Base Plate Metal Roofs – SPS10 to form a seal between the underside of the plate and the metal decking. Material : Butyl. Net weight : 4kg.

FIXINGS (TYPE AND QUANTITY AVAILABLE ON REQUEST)

1- M12 x 30 stainless steel hex head set screw 1- M12 x 40 stainless steel hex head set screw 2- M12 x 35 stainless steel flat washer 2- M12 stainless steel spring washer 2- M12 stainless steel flat washer 2- M12 stainless steel nyloc nut Net weight : 0.15kg.











TRAVELLER - LINE-MINI

Designed to enable the user to move easily and safely along the Life Line. When mounted at roof level the user can move either side of the cable. A spring loaded pin fastens the Traveller on to the Cable. The connector is attached to the Traveller, thus locking the Traveller onto the Cable. The Traveller can be connected and disconnected at any point along the system. Material : Z8CND17 04 Stainless steel. Breaking strength 12kN. Net weight : 0.3kg.



OVERHEAD WHEELED TRAVELLER - KOTRAV

Designed to enable the user to move easily and safely along the Life Line. The Traveller is permanently fitted to the overhead system cable. It is manufactured with brass bushes, thus no bearings to wear. Material : Z8CND17 04 Stainless steel. Breaking strength 12kN. Net weight : 0.68kg.





SINGLE POINT ANCHOR ASSEMBLEY KIT - LAKL20SPA

This provides a single anchor point. The design permits complete 360° rotation. The kit comes complete with Bolt, Bush, Sealing Washer, Label and Screw Plastic Cover. Material : Stainless Steel. Net weight : 0.176kg



CABLE - ROPE8SS7x7

Stainless steel AISI 316L 8mm diameter 7x7 structure with breaking strength > 37kN, is suitable for spans of up to 15m horizontal & overhead up to 24m between Intermediate Brackets. Net weight : 0.28kg. per metre.



EXTREMITY FIXING BRACKET - LINE-XBRKT

The fixing bracket is designed to terminate the Life Line System at either end and is intended to provide direct attachment for Tensioners, Absorbers and pretension indicators. Alternative end components may be used, depending on the type of assembly.

Material : Stainless steel AISI 316L. Breaking strength >22kN. Net weight : 1.24kg.





ENERGY ABSORBER - LASORB10

The Energy Absorber is designed to dissipate the energy generated throughout the system and reduce the end loadings to below 10kN. Installations require an absorber to be installed at both ends of the system. The element is a disposable device which must be replaced after each fall. Material : Galvanised steel BS EN ISO 1461. Breaking strength >22kN. Activating force minimum 2.9kN. Net weight : 3.6kg.



TOGGLE ASSEMBLEY KIT (4No) - LAKL2TOG2

These are used in conjunction with the Flat Roof Post – LAKL2POST to connect the post to the roof structure. Length Standard 300mm Ø M8. Material : Steel Grade 8.8. Net weight : 0.258kg no thread.





STANDARD FLAT ROOF POST- LAKL2POST

Kee[.] Line

This post provides a standard method of connecting the system directly to the flat roof structure. The Flat Roof Post can be installed on top of the insulation and waterproof membrane via a toggle or chemical fixing. Cowling for weather detail selected separately. Material : Stainless Steel AISI. Net weight Post : 4.168kg.







STANDARD WEATHER COWLING - COATED - WC120

This Cowling provides the weatherproofing detail. Material : Galvanised steel to BS EN ISO 1461. Net weight Cowling : 1kg.





WEATHER COWLING - NON-COATED - LAKL20ALU

This Cowling provides the weatherproofing detail supplied non-coated Material : Aluminium. Net weight : 0.396kg.



WEATHER COWLING - COATED - LAKL20PVC This Cowling provides the weatherproofing detail supplied pre-coated for torchon single ply membranes Material : Aluminium. Net weight : 0.494kg.

11





UNIVERSAL POSTANKA - TYPE 6 - T6SS450

Kee[.] Line

This post provides a standard method of connecting the system directly to the structure. Cowling for weather detail supplied seperately. Additional components (wings) can be provided for bespoke installations.

Material : Galvanised steel to BS EN ISO 1461. Net weight Post : 17.8kg. Cowling : 1kg.













Take the traveller in one hand.

Kee[.] Line

With the other push the pin in and open the traveller.



Place the traveller on the Horizontal Life Line.



Close the traveller, the pin will now re-engage.



Connect the required karabiner to the traveller eyelet.



Ensure the karabiner is connected and the screw gate is secured correctly in the closed position.



Minimum Height Requirements



Diagram A

Anchor point above user. (In this case 1m (3.28') above user's harness attachment point) (Preferred Option) Free fall distance: 0.5m (1.64')Fall factor = 0.5/1.5 = 0.3 (1.64/4.92 = 0.3

Diagram B

Anchor point at shoulder level. (Non-preferred option) Free fall distance: 1.5m (4.92')Fall factor = 1.5/1.5 = 1.0 (4.92/4.92 = 1.0)

Diagram C

Anchor point at foot level. (To be avoided) Free fall distance: 3.0m (9.84')Fall factor = 3.0/1.5 = 2.0 (9.84/4.92 = 2.0)

NOTE: The lower human figure in each diagram indicates the position of the user at the end of the free fall. This is the point at which the energy absorber begins to deploy and should not be confused with the position the user would be in at the end of the arrest of the fall.

KEY

F = Free fall distance

(Source BS 8437:2005)

The above diagram shows three fall arrest situations. In each case the fall arrest system is based on a 1.5m (4.92') long energy absorbing lanyard and a distance between the attachment point on the user's harness and their feet of 1.5m (4'92"). The free fall distance is the vertical distance between the position of the user's feet immediately before the fall, and the position of the user's feet at the point at which the lanyard has become taut and started to arrest the fall. (Figure F in the diagram)

Work at Height Rescue

Before commencing any work at height activity please ensure you are adequately trained and competent to carry out the task and able to use the safety equipment provided by your employer/building owner.

In situations where a work at height activity involves a "fall arrest" situation, it is a legal requirement for your employer/building owner to provide the anchorage point, rescue plan, policy, training and equipment to complete a rescue. It is not the responsibility of the emergency services to conduct such a rescue.

Should a rescue become necessary it is extremely important that the procedures detailed in the "roof permit to work," rescue policy and plan are followed. Try to make contact with the casualty to establish if they are conscious or unconscious. If they are unconscious then time is of the essence.

Contact the emergency services and request an ambulance and fire/rescue support. Inform them of the exact address, location and site contact details of where you are working (This should be contained within the "permit to work"). Confirm that you are trained and competent to commence the rescue procedure.

Call your site contact and inform them of the situation and that you have already contacted the emergency services. Request they bring a competent First Aider to assist you at ground level by receiving the casualty. Before commencing the actual rescue, ensure that you are safely connected to an alternative suitable anchorage point (where possible). Ensure you work in "fall restraint" at all times whilst conducting the rescue procedure. Check you have all the Rescue Kit components as shown in the diagram below.



Before commencing the actual rescue, ensure that you are safely connected to an alternative suitable anchorage point (where possible). Ensure you work in "fall restraint" at all times whilst conducting the rescue procedure. Check you have all the Rescue Kit components as shown in the diagram above.

Rescue Kit Operation



a. Connecting to the same or an alternative suitable anchorage point. Connect the Rescue Hub device using the Screw Gate Karabiner fitted directly to the Rescue Hub. Ensure the Screw Gate is tightened once connected to the anchorage point.

b. Pull the end of the Kernmantel Rope which has the Rescue Rope Grab attached. The Kernmantel Rope will start to feed out of the rescue bag and run through the Rescue Hub.



Kee' Line



d. Ensure the Edge Protector is connected to the anchorage point, this may need to be extended in some cases via a webbing or rope sling. Place the Edge Protector over the edge ready for the rescue operation.

C. Start walking towards the area where the casualty has fallen whilst still holding the Rescue Rope Grab. When you reach this area, kneel down and continue to pull out sufficient rope to reach the "D" ring on the casualty's harness.

Rescue Kit Operation



Kee[.] Line

e. Whilst holding the Rescue Rope Grab unscrew the Screw Gate as shown above.



f. Turn the Rescue Rope Grab over and push the lever in an upwards direction.



g. The Rescue Rope Grab will now open.



h. Ensure you have adopted a "fall restraint" position. Carefully lean over the leading edge and pass the open Rescue Rope Grab (with the arrow in the up direction) around the back of the casualty's rope. (cont)





i. . (cont) Ensure the casualty's rope is correctly positioned inside the Rescue Rope Grab. Close the Rescue Rope Grab.

j. Once the Rescue Rope Grab is closed ensure the Screw Gate is then tightened into position.

k. Position the Rescue Kernmantel Rope over the Edge Protector. Now carefully lower the Rescue Rope Grab down towards the casualty. The Rescue Rope Grab device will descend easily under gravity to the "D" ring of the casualty's harness.

17

Kee[.] Line

Rescue Kit Operation



I. Return to the anchorage point where the Rescue Hub is connected. Pull any excess Kernmantel Rope through the Rescue Hub by pulling the free end of the rope which is stored in the bag.



M. Once the Rescue Hub Kernmantel Rope is taught, rotate & lower the locking pin so that it engages with the body of the hub. When in place correctly, the hub cannot turn.



n. Lift up the black handle as shown above.



O. With the black handle in position push in the silver ball bearing positioned in the centre of the white plate as shown above.

p. Now open the top third of the Rescue Hub and it will automatically lock into place.

q. Detach the pin.

Rescue Kit Operation



r. Start winding the Rescue Hub in a clockwise direction so that the Kernmantel Rope passes through the hub. If the rope does not move through the hub, pull on the free end of the rope. Continue to wind until the casualty's primary rope becomes slack.

S. Once the casualty's primary rope is slack enough to detach their primary hook/karabiner from the anchorage point, stop winding and engage the locking pin by lifting, rotating & then lowering it. Ensure the pin is engaged against the body of the Rescue Hub. When in place correctly the Hub cannot turn.



t. You can now remove the casualty's slack primary rope from the anchorage point as shown above.



U. Close the Rescue Hub by pressing in the silver ball bearing in the centre of the white plate. Once closed fold down the plastic handle.

Kee[.] Line

Rescue Kit Operation



Kee[®] Line

V. Pass the loose end of the Kernmantel Rope around the pig tail of the Rescue Hub. Hold the rope firmly in one hand. To take the load off the casualty, simply rotate and pull the Locking Pin upwards and rotate sufficiently so that the pin is disengaged from the Rescue Hub. Whilst holding the Kernmantel Rope you can move back towards the area where the casualty fell.



W. Once you are in a comfortable position and able to hold the casualty with one hand, take the casualty's primary rope which you previously disconnected from the anchorage point. When ready, carefully position yourself so you are able to attach this primary rope to the Rescue Hub Rope (Kernmantel Rope) as shown above. Ensure that you keep holding the Rescue Hub Kernmantel Rope at all times. Gradually lower the casualty's primary rope until the hook reaches the casualty's "D" ring. Ensure you are still holding the Rescue Hub Kernmantel Rope. You can now let the casualty's primary rope fall to the ground so that it can be used as a guy rope by those at ground level who are ready to assist/receive the casualty.



X. Begin to lower the casualty gradually, continually observing them and communicating with both the casualty and those at ground level who are receiving/assisting the casualty. The competent first aider must then follow the standard UK first aid guidance for the recovery of a person. The casualty must then be seen by the ambulance crew, even if they appear to have recovered.

KeeLine Recertification

- Periodic inspections by a competent person are recommended by the manufacturer and required under Regulation 5 of the Workplace (Health Safety & Welfare) Regulations, BS EN 365 & BS 7883. The frequency will depend upon environment, location and usage, but should be at least every 12 months.
- Check structural connection of system.
- Walk the complete system and check the smooth running over all intermediate brackets and that the system still serves client's needs.
- Establish if any modifications or additional products are required to reflect any refurbishment or additional plant and equipment that has been installed and requires access.
- Inspect shock absorber.
- Inspect cable for damage / kinks / signs of wear.
- Check and tighten all visible / accessible fixings.
- Any galvanised components showing signs of corrosion, wire brush thoroughly and apply galvanised spray / paint as appropriate.
- If rusted significantly take digital photographs and include in inspection report.
- Pull test visible end fixings to concrete / brickwork / structure (where possible) 6kN 15 secs.
- Re-tension cable if required to allow smooth operation of the system (where required).
- Clean entire cable run with white spirit.
- Any part of the installation or fixings that may need additional attention including shock absorber take digital photographs and include in the inspection report.
- Any major components, other than nuts/ bolts/ washers etc, which may need replacing report to client and establish costings, so that if possible it can be repaired whilst on site.
- Check system plaque position & mark up to reflect date of the next required inspection. Establish if additional plaques are required due to any refurbishment work.









Safesite Limited Safesite House Priestley Way, Crawley West Sussex RH10 9NA t **+44 (0)1293 529977** f +44 (0)1293 531166 e info@safesite.co.uk w **www.safesite.co.uk**