

Fall Protection & Roof Safety Systems 2011



When It's Critical.

A trusted name for over three decades, Ferno Australia has been proudly supplying high performance safety, emergency and rescue devices across a wide range of industries. To maintain Ferno Australia's excellent reputation for product quality and reliability, the company has attained ISO 9001:2000 Quality Certification and has the 'Five Ticks' Standards Mark Licence, the most recognised certification mark in Australia. Ferno has also achieved accreditation in AS/NZS4488.1 Industrial Rope Access Systems - Specifications (1997) and AS/NZS1891.1. This enables Ferno Australia to test products to the National Association of Testing Authorities (NATA) standard and makes Ferno one of only six NATA accredited testing labs in Australia, certified to conduct testing under these standards.

Today, Ferno Australia distributes a complete line of mission critical products around the globe, many of which are now the industry standard for their application owing to their unmatched quality, reliability and safety record. With more than 1,000 height safety products now available and around 10,000 products across our entire range, customers can be sure Ferno will have the required solution for any scenario where personnel safety is at risk.

Fall Protection Design and Consultancy

Ferno Australia provides a complete technical service from initial consultation through to design, installation, training and certification. During this process, Ferno draws upon its expertise to select the product that best meets your design needs while considering the building structure, architectural and aesthetic requirements.

Ferno's Fall Protection and Access Systems specialists are able to meet on-site or in-house to discuss your requirements, review drawings, building structures and factory facilities. All relevant standards, building codes, OHS and height safety legislation are taken into account to provide a Total Safe Access Solution. That's the Ferno Way.



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Use of this equipment

If you use Ferno equipment, you are responsible for learning and utilising safe techniques. We disclaim all liability for any injury or loss arising from the use of this equipment. It is the user's responsibility for maintaining this equipment in correct working condition. The products in this catalogue are designed for specific purposes and must not be used in any manner other than for which they are designed. Do not use any equipment in this catalogue until you receive proper training in the use of that equipment.

MultiSafe Uni-8

The MultiSafe Uni-8 product is best suited to modern building projects and refurbishments and in various industrial safety applications as it offers excellent functionality through its free flowing bypass capacity and ability to navigate corners and building contours. It is made from high grade 316 stainless steel and designed with minimal moving parts providing excellent value for money. The system can be fitted to steel beams, concrete, brickwork and a variety of roof constructions using our Force Management Anchors and in typical circumstances it can span up to 12 metres between support brackets. The system can also support multiple workers for both fall arrest and fall restraint work applications.

Key Features and Benefits

- Rigorously tested product backed up with custom made design capabilities. Ensuring your system will work to protect your employees.
- Meets current international product standards, tested in accordance with EN795 and CE Marked to the PPE Directive
- All supporting documentation available, including user instruction manual in various languages
- 316 stainless steel components ensure a quality safety system that will withstand harsh environments.
- Minimal moving parts and high grade materials ensure long life expectancy which adds up to a sound investment
- Electro polishing provides greater longevity and minimises future maintenance and replacement costs
- Discreet and aesthetically pleasing design has minimal impact on your project, building or structure
- Inline energy absorbers and load re-orientating intermediate support brackets reduce structural loading and increase the ability to adapt to the building or structure's tolerances
- Can be fitted to a range of roof anchors to adapt the product to a variety of installation scenarios
- System offers workers continuous hands-free movement and navigates corners and building contours, thereby providing maximum design and integration flexibility
- 12 metre spans (subject to site conditions) make MultiSafe Uni-8 a very cost effective safety solution



Roofsafe Cable Systems

The Roofsafe Cable System has been designed to complement the Roofsafe Anchor product range for roof fall protection and takes advantage of the low system loads generated in the event of a fall. This has enabled Uniline to value engineer its 8 mm cable system and deliver the same high standard of quality and functionality found in all its roof fall protection products. This system makes comprehensive roof fall protection safety very affordable and allows companies to more effectively mitigate workplace risk and height safety.

The Roofsafe Cable Systems can span up to 12 metres between anchors and provides continuous hands free access for the user of the roof fall protection system. It can be used by multiple workers, providing system calculations carried out using Uniline for Windows software.

Roofsafe Cable System components include end anchors, intermediate cable supports, variable cable supports and corner cable supports to allow maximum flexibility in roof fall protection system designs and ensure workers have uncompromised access for all aspects of roof inspection and maintenance. Components, including the 8 mm wire rope, are made from quality 316 stainless steel. All fabricated parts are further enhanced by electro-polishing to provide strong resistance to corrosion and a long service life for the roof fall protection system.



MultiSafe Uni-8 Overhead

The MultiSafe Uni-8 Overhead System is a true hands-free system that offers fall arrest and restraint capabilities using a range of anchorage fittings. It is designed to provide safe working at heights, safe access to a variety of otherwise dangerous situations and to restrain personnel from putting themselves at risk. The two wheeled attachment carriages are secured to the system during installation and when in use move over the intermediate brackets without interruption.

The system has a minimum breaking strength of 38 kN and can span up to 30 metres between intermediate supports. This is achieved through high pre-tension loading in the cable of 5 kN combined with the properties of the 1 x 19 8 mm cable.

A complete range of structural end anchors are available to enable the system to integrate with the structure.

The Uni-8 Overhead System is suitable for mounting 1.6 metres or more above the work area or walking surface and does not navigate corners or changes of direction. Best performance of the system is achieved when installed completely level.

Key Features and Benefits

- Free running attachment carriage ensures complete freedom of travel and therefore ease of movement for the user
- Sealed bearings in the carriage wheels reduce the need for maintenance and contribute to reduced costs of ownership
- High tensioned stainless steel cable supports heavy fall arrest devices making it suitable for use in high structural situations
- Reduced cable deflections make the system suitable where there is minimal ground clearance, increasing the potential for use
- In line energy absorbers reduce load transfer to the structure in the event of a fall, which would otherwise be too high
- Available as a single or multi-span system and therefore suited to long span structural situations
- Electro-polished components provide long term corrosion resistance
- Uniline for Windows software calculates system performance to ensure all system designs meet customer needs and are safe
- Supports multiple workers up to 140 kg, where most products in the market are only rated for 100 kg
- Tested to EN795 class C and CE Marked and meets the requirements of AS/NZS, OSHA, ANSI and CSA for horizontal lifelines
- Uniline Systems Integrators can provide design and installation of supporting steel structure, thereby delivering a turnkey solution



MultiSafe Uni-16

The MultiSafe Uni-16 product is best suited to specialist fall protection situations and for installation on older structures where connection to steelwork, brickwork or concrete where a reduction in structural penetrations is desirable. MultiSafe Uni-16 supports multiple workers for fall arrest and fall restraint work applications and in many circumstances the product can span from 25 to 50 metres between support brackets. It offers excellent functionality through its free flowing bypass capability and can navigate corners and contours in building designs.

Since its launch over 6 years ago, over 400,000 metres of the systems have been successfully installed and solved some of the most demanding and complex fall protection problems. To this day, it is still the only globally recognised permanent synthetic lifeline product and is unrivalled in the fall protection industry for its unique benefits. To ensure safe system design and integration, detailed information is provided by our comprehensive Uniline for Windows software program.

Key Features and Benefits

- Rigorously tested product backed up with custom made design capabilities, ensuring your system will work to protect your employees.
- Meets current international product standards, tested in accordance with EN795 and CE Marked to the PPE Directive
- All supporting documentation available, including user instruction manual in various languages
- 316 stainless steel components ensure a quality safety system that will withstand harsh environments.
- Electro-polishing provides greater longevity, adding value to your investment and saving future maintenance and replacement costs
- Colour cable options including grey, black and orange help to blend the system with the building environment or highlight the cable for safety
- The cable's unique properties and load re-orientating intermediate support brackets reduce structural loading and increase the product's ability to adapt to the building or structure's tolerances
- Can be fitted to a range of anchors to adapt the product to a variety of installation scenarios
- System offers workers continuous hands free movement and navigates corners and building contours.
- Can span up to 50 m (subject to site conditions and customer requirements) making Uni-16 a very flexible safety solution
- Resistant to ozone and UV degradation and carries a built in safety indicator
- Also available as a temporary solution



RoofSafe Rail Systems

The RoofSafe Rail product is best suited to modern building projects, in particular for roof fall protection, roof access and as an anchor point for suspended work positioning for external façade access, inspection and maintenance. RoofSafe Rail is a quality extruded aluminium roof fall protection rail system which is capable of navigating corners and changes of direction in the building or structure, thus providing complete design flexibility. The system can be fitted to built-up metal profiled roofs and standing seam roofs and can support multiple workers for both fall arrest and fall restraint work applications.

The roof mounted rail meets the requirements of both abseil and fall protection standards and can be fixed to the roof system with minor penetrations or clamps. Where roofs are pitched at more than 15 degrees, it provides a sound anchorage and roof fall protection that will not flex when a worker applies their body weight, providing the worker with a good sense of security. In the event of a fall, the product does not deflect and distributes very low loads to the roof structure.

Key Features and Benefits

- RoofSafe Rail's low profile and discreet design provides an unobtrusive safety anchorage solution.
- RoofSafe Rail provides a safety anchorage system for multiple users, allowing more complex maintenance tasks to be undertaken in an efficient manner, including suspended rope access work.
- Even load distribution through the fixing system ensures complete safety in the event of a multi-user fall without damaging the integrity of the roof system.
- The solid nature of the anchorage ensures no deflection or unnecessary loading of anchor points during use and makes the product especially beneficial on roofs with a pitch of more than 15 degrees. This gives the user a high level of confidence.
- A four wheel attachment carriage runs effortlessly along the extruded aluminium rail, making the system extremely user friendly - an important factor when promoting the use of a roof safety anchorage system.



MultiSafe UniRail

The MultiSafe UniRail System provides a high level of user safety combined with an aesthetically pleasing appearance. It is ideally suited to modern building projects with internal and external façades or for access, inspection and maintenance including walkways and suspended gantries. The product has been used extensively for suspended access work as it meets the requirements of both abseil and fall protection standards. In addition it is very effective in industrial safety applications, where limited ground clearance or narrow walkways would adversely affect user safety or where significant distance between the working platform and the anchorage system would affect functionality.

The MultiSafe UniRail System should also be considered for small fall arrest safety installations as loading of the structure in the event of a fall is low due to the products fixing specifications. The product can be fitted to steel beams, concrete and brickwork and span up to 3 metres between a range of anchorage brackets. It offers excellent functionality and design flexibility through its free flowing attachment carriage with no brackets to pass over, providing a truly hands free system that can navigate building corners and contours.

Key Features and Benefits

- Rigorously tested product backed up with custom made design capabilities, ensuring your system will work to protect your employees.
- Meets current international product standards, tested in accordance with EN795 and CE Marked to the PPE Directive
- Also meets abseil and wind turbine manufacturing standards requirements
- All supporting documentation available, including user instruction manual in various languages
- 6082 T6 Aluminium components ensure a quality safety system that will withstand harsh environments
- Anodising provides greater longevity, adding value to your investment and saving future maintenance and replacement costs
- Very discreet and aesthetically pleasing design has minimal impact on your project, building or structure. Can be powder coated
- Product design and fixing centres reduce structural loading and increase products ability to adapt to the building or structure's tolerances, especially in weaker structures
- A range of fixing brackets ensure design flexibility and offer concealed fixing solutions where aesthetics is of great importance
- The main rail floats in its fixings to mitigate the effects of thermal expansion and contraction
- System offers workers continuous hands free movement and navigates corners and building contours



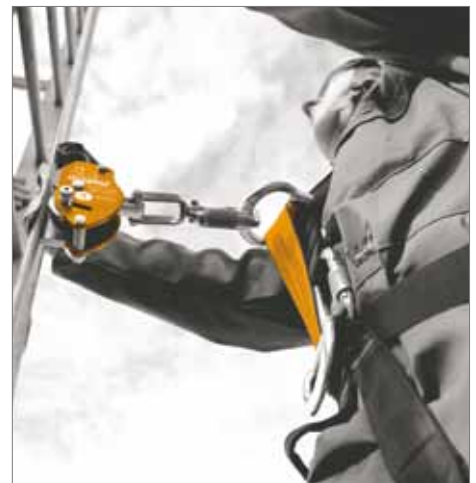
Uniline EasyClimber Cable Systems

The Uniline's EasyClimber Cable System has been designed to be cost effective without compromising quality or safety. This makes it of special interest to operators of large utilities networks such as telecoms, electricity and wind farm operators. The vertical fall arrest system is of course equally suitable for industrial safety applications such as safe climbing of ladders to access roofs, chimney stacks, silos, lighting columns, ships masts, theme park rides, bridges and many more.

Uniline's EasyClimber Cable System allows workers to ascend and descend tall structures and ladders with confidence. It utilises the ingenious Monkey attachment system which provides maximum flexibility but ensures the worker remains as close to the structure as possible during climbing, which in the event of a fall means they travel only a very short distance before fall arrest when compared to other products on the market.

Which ever EasyClimber system suits your specific requirement, the same high quality of product and system functionality features throughout the product range. A tensioned 8 mm 1 x 19 construction stainless steel cable runs the length of the climbing area, supported at intervals by intermediate cable supports. A wide range of components facilitate installations in demanding environments.

Two versions of the Monkey are available. One which incorporates an energy absorbing element (System Type 1) and another which does not (System Type 2).



Skytac – Height Access System

The Skytac Height Access System provides fall proof ladder climbing to any height. The system consists of a hot-dip galvanized, 3 mm steel C-profile guide rail with rungs that have an additional zinc layer for better protection against corrosion. The rungs have a slight upward profile to reduce slip potential and provide the worker with a sound standing.

The Skytac Height Access System utilises a running device that attaches to the fixed guide rail. The worker attaches the running device to his harness. Should the user fall, the rescue device arrests in the rail with a maximum catching distance of 55 mm, minimising further injury. The system also allows for overhangs of up to 8 degrees due to the unique design of the runner and rail system.

The Skytac Height Access System includes a swivel-snap karabiner and an elastomer arrester that contributes to reduced falling impact. The system regenerates after a fall and allows for continued safe ascending or descending. For inspection and safety purposes the system also includes an integral fall indicator. Rung distance: 280 mm, step width per side: 150 mm.

The Skytac Height Access System is suited for the following

- Towers
- Chimneys
- Elevated tanks
- Bridge piers
- Masts
- Antenna supports
- Machine and operating facilities
- High-bay racks
- Industrial installations
- Shaft & pits

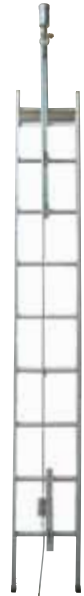




Climb Safe Ladder System *Code HS-CS*

This complete system is designed for providing safety when ascending or descending ladders. A worker attaches their body harness to the cable via a cable adjuster with shock absorbing lanyard (HS-CS1000 sold separately). They can then move freely up and down the ladder system with both hands free.

The system is mounted as a permanent fixture with the use of a top mounted bracket with energy absorber and a bottom mounted bracket with a cable tension system. The ladder system is also supplied with flexible 8 mm steel cable. The ladder system is supplied ready for installation and is supplied with instructions.



Cable Adjuster for Ladder System

Code HS-CS1000

The HS-CS1000 is the recommended adjuster for the above ladder system. It comes complete with built-in energy absorber, two steel screw gate karabiners and stainless steel cable adjuster. The adjuster can be removed from the cable allowing use on other ladder systems but remains locked when the karabiner is in place. Sold separately to ladder system.



Ferno EDGElok™ Temporary Anchor *

The unique design of the Ferno EDGElok anchor allows multi-depth adjustment to suit varying roof cladding profiles. The EDGElok is robust yet light-weight and collapsible so it can be carried from job to job for repeated use. For additional safety the EDGElok incorporates an energy absorbing arm with fall indicator. The EDGElok has an alloy and stainless steel construction and finished in high visibility safety red. It is tested to meet the requirements of the AS/NZS1891.4 anchorage specifications for 15 kN single person fall arrest.

- Multi depth adjustment to suit varying roof cladding profiles
- Light weight and collapsible
- Easily transported from job to job for repeated use
- Incorporates an energy absorbing arm with fall indicator
- Finished in high visibility safety red all steel construction
- Meets the requirements of the AS/NZS1891.4
- Rated at 15 kN fall arrest for single person use



Ferno ROOFlok™ Temporary Anchor System*

The Ferno ROOFlok is lightweight and compact allowing it to be moved from job to job and it is easy to attach to most roofs using the supplied screws and rivets. The ROOFlok is supplied with the ANCHORsafe Shock Limiter, a 360 degree swivel attachment device that provides the user with uninterrupted access to their work area. The ANCHORsafe also absorbs the force or shock load sustained in the event of a fall.

- Supplied with ANCHORsafe Shock Limiter
- Swivels 360 degree for uninterrupted access
- Absorbs the shock load in the event of a fall
- Easy to attach using supplied screws and rivets
- Can be moved from job to job
- Lightweight and compact
- Stainless steel construction for durability
- Rated at 15 kN "Fall Arrest" for single person use
- Meets the requirements of AS/NZS1891.4

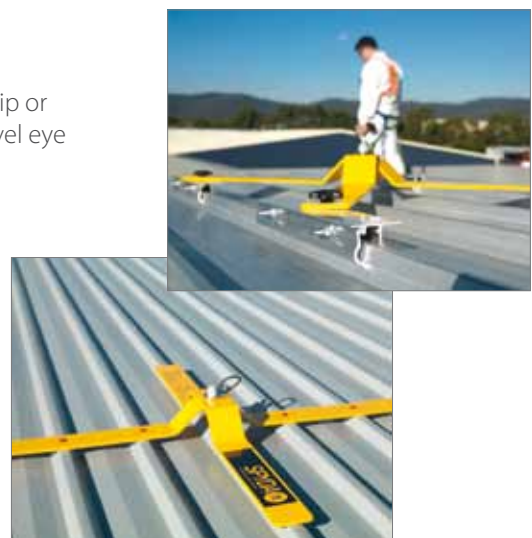


Spyda Temporary Anchor Point*

Code SAY-API45.20 (clamp) SAY-API45.10 (screw fix)

The Spyda Temporary Anchor Point provides the user with the option to clip or screw fix to most roof structure and incorporates an energy absorbing swivel eye lanyard attachment point.

- Variable fixing options – clamp on or screw fix
- Multiple slatted fixing points and pivot arms to suit any application
- Energy absorbing swivel attachment point
- Lightweight and relocatable (10 kg)
- Folds into compact unit with carry bag
- All fixings and seals included in package
- Meets the requirements of AS/NZS1891.4
- Rated at 22 kN fall arrest for two person use

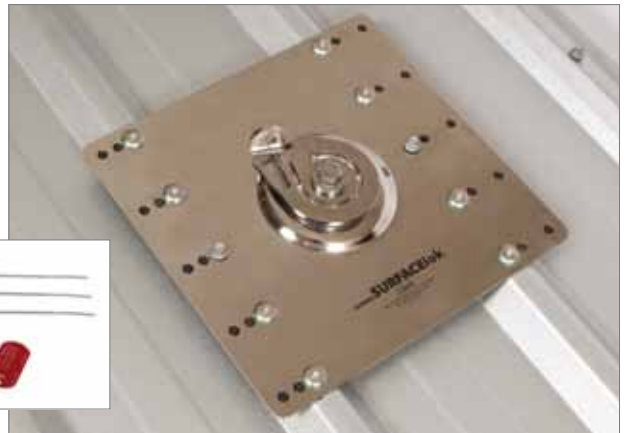


*Must be used with a personal energy absorber and lanyard system. Any roof structure must be inspected by a competent person and deemed strong enough to yield the required forces prior to application. If in doubt consult an engineer for clarification.

Ferno SURFACElok™ Permanent Anchor*

The Ferno SURFACElok™ is a unique and versatile anchor system made from stainless steel for durability, longevity and aesthetic appeal. It's unique design incorporates a myriad of fastening holes making it compatible with most roof profiles and structures. The Ferno SURFACElok is supplied with the ANCHORsafe Shock Limiter, a 360 degree swivel attachment device that provides the user with uninterrupted access to their work area. The ANCHORsafe also absorbs the force or shock load sustained in the event of a fall. Each SURFACElok Anchor is supplied with an individually numbered, anodised alloy, tamper evident tag that provides for annual inspection details to be recorded.

- Supplied with ANCHORsafe Shock Limiter
- Swivels 360 degree for uninterrupted access
- Absorbs the shock load in the event of a fall
- Compatible for most roof profiles and structures
- Tamper evident, inspection tag with serial number
- Quick and easy installation process
- Supplied with tek screws, rivets and sealing tape
- Stainless steel construction for durability
- Aesthetically pleasing design and appearance
- Meets the requirements of AS/NZS1891.4
- Rated at 22 kN fall arrest for two person use



Ferno PURLINlok™ Permanent Anchor*

Code FWE-PL CORR (corrugated) FWE-PL TRIM (trim deck) FWE-PL FLAT (flat) FWE-PL FLAT flat roof

The Ferno PURLINlok™ Roof Anchor range is available with a suite of base plates providing the user with an easy to install, permanently mounted anchor system for most roof structures. The Ferno PURLINlok is supplied with the ANCHORsafe Shock Limiter, a 360 degree swivel attachment device that provides the user with uninterrupted access to their work area. The ANCHORsafe also absorbs the force or shock load sustained in the event of a fall. Each PURLINlok Anchor is supplied with an individually numbered, anodised alloy, tamper evident tag that provides for annual inspection details to be recorded.

- Supplied with ANCHORsafe Shock Limiter
- Swivels 360 degree for uninterrupted access
- Absorbs the shock load in the event of a fall
- Variety of base plates for most roof structures
- Tamper evident, inspection tag with serial number
- Quick and easy installation process
- Supplied with sealing tape, purlin setting block and string applicator
- Stainless steel construction for durability and longevity
- Meets the requirements of AS/NZS1891.4
- Rated at 22 kN fall arrest for two person use



Hi-Safe RA10 Permanent Anchor*

Code HS-RA10 CORR (corrugated), HS-RA10 TRIM (trim deck), HS-RA10 FLAT (flat)

The Hi-Safe RA10 Anchor range is available in an array of base plates providing the user with an easy to install, permanently mounted anchor system for most roof structures. The anchor attachment point sits high and proud providing the user with good clearance options. Each Hi-Safe RA10 Anchor is supplied with an individually numbered, anodised alloy, tamper evident tag that provides for annual inspection details to be recorded.

- Supplied with tamper evident Inspection tag with serial number
- Full stainless steel construction
- M12 eye bolt 120 mm
- Easy installation
- Supplied with purlin setting block and string applicator
- Meets AS/NZS1891.4 anchorage requirements
- Rated at 22 kN fall arrest for two person use



*Must be used with a personal energy absorber and lanyard system. Any roof structure must be inspected by a competent person and deemed strong enough to yield the required forces prior to application. If in doubt consult an engineer for clarification.

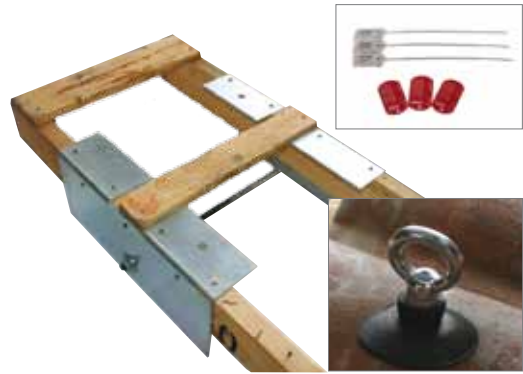
ROOF ANCHORS & BRACKETS



Hi-Safe RA45 Permanent Anchor* *Code HS-RA45*

For tile, slate or metal roof structures with timber purlins with access from the underside. Each Anchor is supplied with an individually numbered, anodised alloy, tamper evident tag that provides for annual inspection details to be recorded.

- Supplied with tamper evident, alloy inspection tag with serial number
- Access for fitting is from below roof line
- Includes two galvanised purlin brace, all thread, hardware and anchor
- Meets the requirements of AS/NZS1891.4
- Rated at 22 kN fall arrest for two person use



Hi-Safe LS25 Ladder Bracket Parapet *Code HS-LS25*

The Hi-Safe LS25 Ladder Bracket Parapet provides a simple and secure ladder mount preventing ladders slipping from parapet type structures. The design also allows ladders to be tied off for increased safety and security.



Hi-Safe LS25 Ladder Bracket Gutter *Code HS-LS25G*

The Hi-Safe LS25 Ladder Bracket Gutter provides a simple and secure ladder mount preventing ladders slipping from most structures with exterior gutters. The gutter version is supplied with adjustable stays that provide flexibility when fitting to various roof styles. The design allows ladders to be tied off for increased safety and security.



Hi-Safe Ladder Lock

Code HS-LLO (parapet), HS-LLO G (gutter)

Hi-Safe Ladder Locks are available for either guttered roofs or parapet building structures. They can be securely fastened and are an ideal alternative to permanent ladder systems. A one metre handrail provides stability when transitioning from ladder to roof which is the most critical point in portable ladder egress and regress. Complies with relevant Australian Standards and guidelines.



Installation Tools, Accessories and Hardware

Ferno also offers a convenient range of specialised tools, accessories and hardware.



Gesipa Battery Riveter
(supplied with battery & charger)



Gesipa Hand Riveter



Ferno anchor tag and cable tie



Sealing foam



Bulb tite rivets 8 mm (50 pk)
14 gauge x 65 mm timber screws (50 pk)
14 gauge x 65 mm metal screws (50 pk)

Ladder & Walkway Systems

Ferno takes pride in being able to offer and supply a complete range of access solutions. Our modular ladder and platform systems facilitate safe access for a variety of situations. Our modular ladder and walkway systems are fabricated from high grade alloys and provide a lightweight, yet robust design that allows quick onsite assembly and installation. All modular systems meet the requirements of the AS/NZS1657 1992 standards for ladders, walkways and fixed platforms.

For additional user safety, proprietary fall protection items such as vertical fall arrest and enclosed caged systems can be added.

- Walkways - available in non-slip alloy or fibreglass
- All ladders and platforms are manufactured using alloy materials
- All ladders and platforms are compliant to AS 1657-1992 & AS/NZS1891.4-2009
- Our ladders are available in pre-fabricated kits or custom built to suit
- All materials are maintenance free



Min-Evac 2P *Code UL-160-669-506*

The Min-Evac 2P is a controlled rate descent device suitable for self rescue evacuation for one or two persons. Best for use from structures such as towers, wind turbines, masts, high bay lift trucks and cranes. The length of rope required can be customised to each users requirements

Work height: Up to 160 m for 2 persons at a time. The length of rope supplied can be customised to each users requirements.

Rate of descent: 0.8 m per second

Rope: 11 mm A.S. approved, kernmantle rope *(Code UL-163-660-602)*

Standards: EN341 Class A, EN1496 Class A, ANSI Z359.4



Mini-Evac 2P

Min-Evac Hub Type A *Code UL-160-669-505*

The Min-Evac Hub Type A is a controlled rate descent device with lifting capabilities that is suited for single person, self rescue evacuation from structures such as towers, wind turbines, masts, high bay lift trucks and cranes. The 15:1 geared recovery mechanism provides quick retrieval of a fallen or suspended person, minimising the potential for deadly suspension trauma. The hook is lowered and connected to the suspended persons harness fall arrest loops, the rescuer winds the person far enough to release the load on the lanyard. Once released the rescuer can lower or raise the person to safety. The rescue procedure is simple and does not place the rescuer in any danger. The rope length can be customised to each users requirements.

Work height: Up to 160 m for 1 person at a time

Rate of descent: 0.8 m per second

Rope: 11 mm A.S. approved, kernmantle rope *(Code UL-163-660-602)*

Standards: EN341 Class A, EN1496 Class A, ANSI Z359.4



Hub Type A



Mini-Evac Hub Type A

Min-Evac 2P Hub Type A *Code UL-160-669-507*

The Min-Evac Hub Type A is a controlled rate descent device with lifting capabilities that is suited for either one or two person, self rescue evacuation from structures such as towers, wind turbines, masts, high bay lift trucks and cranes. The 15:1 geared recovery mechanism provides quick retrieval of a fallen or suspended person, minimising the potential for deadly suspension trauma. The hook is lowered and connected to the suspended persons harness fall arrest loops, the rescuer winds the person far enough to release the load on the lanyard. Once released the rescuer can lower or raise the person to safety. The rescue procedure is simple and does not place the rescuer in any danger. The rope length can be customised to each users requirements.

Work height: Up to 160 m for 2 persons at a time

Rate of descent: 0.8 m per second

Rope: 11 mm A.S. approved, kernmantle rope *(Code UL-163-660-602)*

Standards: EN341 Class A, EN1496 Class A, ANSI Z359.4



Lift-Evac *Code UL-160-669-509*

The Lift-Evac is a controlled rate evacuation and descent device that has the ability to raise or lower a worker or casualty. Ideal for work positioning over distances up to 20 m the Lift-Evac provides the user with high levels of safety combined with maximum flexibility for all rescue or rope access situations. Easy to anchor and control and intuitive to use due to its 'ratchet' style raise and lower facility. The ratchet handle is telescopic to give more leverage when required and a second handle provides stability and control during use. The Lift-Evac can be used to recover a casualty whilst the rescuer remains in a safe position, or if necessary the rescuer can descend to the casualty whilst maintaining complete control of the device. The length of rope supplied can be customised to each users requirements.

Work height: Up to 160 m for 2 persons at a time (200 kg)

Rate of descent: 0.8 m per second descent
0.2 m per second ascent
(dependent upon operator competence and fitness)

Rope: 11 mm A.S. approved, kernmantle rope *(Code UL-163-660-602)*

Standards: EN341 Class A, EN1496 Class B, ANSI Z359.4



Lift-Evac Double *Code UL-160-669-510*

The Lift-Evac Double is a controlled rate evacuation and descent device that has the ability to raise or lower a worker or casualty. Ideal for work positioning over distances up to 30 m the Lift-Evac Double provides the user with high levels of safety combined with maximum flexibility for all rescue or rope access situations. Easy to anchor and control and intuitive to use due to its double handle 'ratchet' style raise and lower facility. The ratchet handles are telescopic to give more leverage when required. This makes the raising of two persons very comfortable compared with other rescue products.

The Lift-Evac Double is ideal for situations where ascent off a taller structure is required or where a faster evacuation from a confined space may be beneficial. The length of rope supplied can be customised to each users requirements.

Work height: Up to 160 m for 2 persons at a time (200 kg)

Rate of descent: 0.8 m per second descent
0.4 m per second ascent
(dependent upon operator competence and fitness)

Rope: 11 mm A.S. approved, kernmantle rope *(Code UL-163-660-602)*

Standards: EN341 Class A, EN1496 Class B, ANSI Z359.4



Designing proprietary engineered fall protection systems is a calculated process and involves engineering databases that provide vital information on applied forces to structures and components that make up the system.

Proprietary engineered systems are made up of individual components that are traceable to sample testing in accordance to AS/NZS1891.2 and EN795C and as a complete system have a design database like the example shown to establish the design limitations, forces and fall clearances involved in a given application.

Example of Design Calculation

These design calculations and processes are critical in the selection of a credible fall protection systems provider.

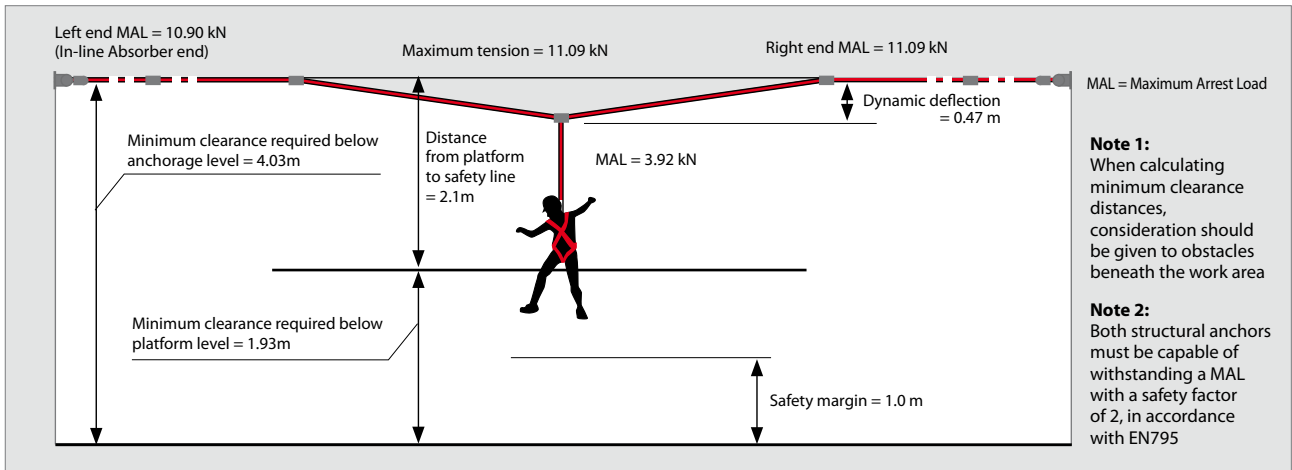


Figure 1 - Example of design calculation based on a MultiSafe Uni-8 overhead system using a cable fall arrest block

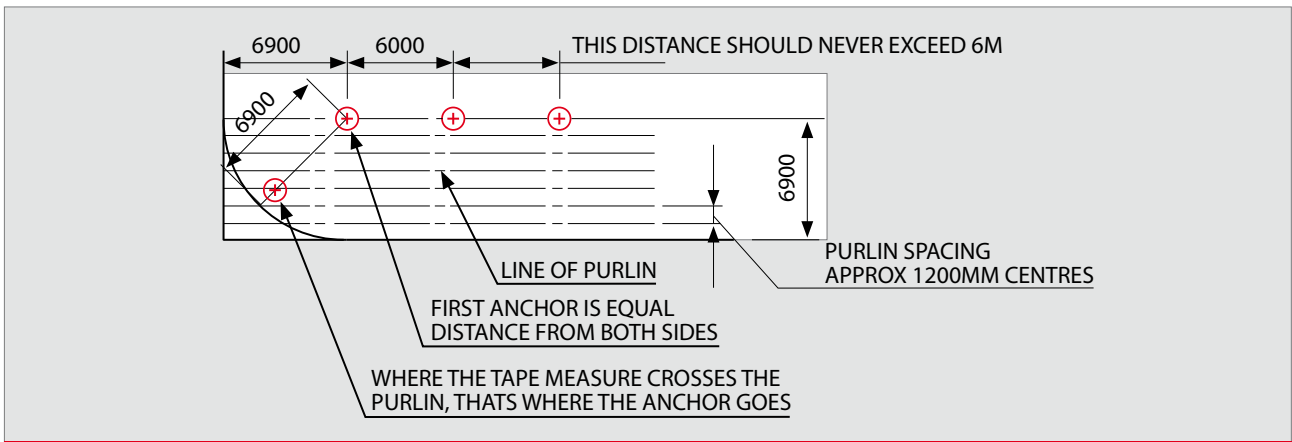


Figure 2 - Correct anchor spacing on the purlins

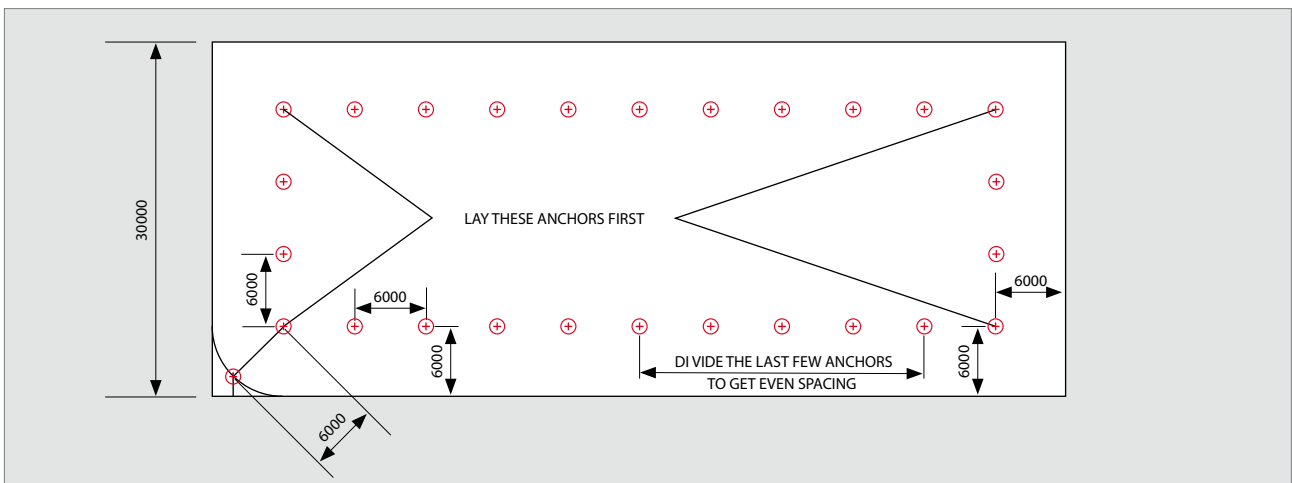


Figure 3 - Roof areas over 20 metres in width implement the perimeter anchor method or consider a safety static line

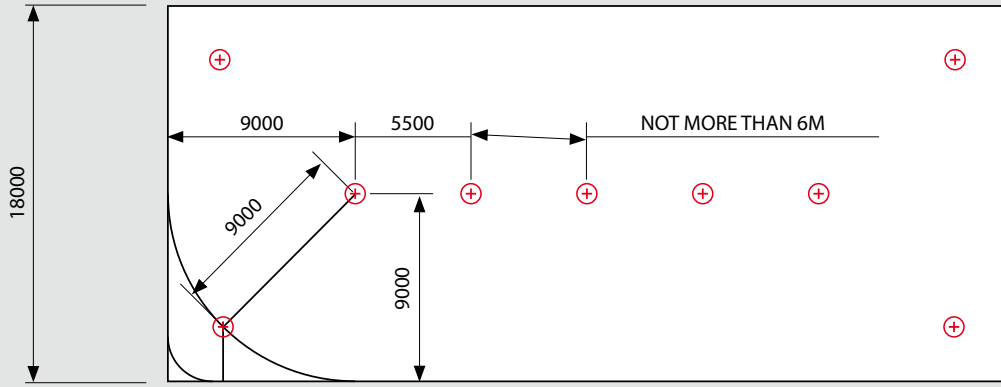


Figure 4 - Roofs up to 20 metres in width implement the standard anchor positioning as shown

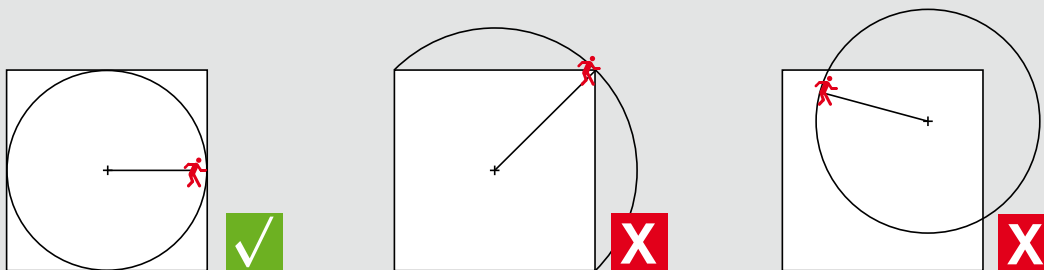


Figure 5 - Insure correct rope length is used

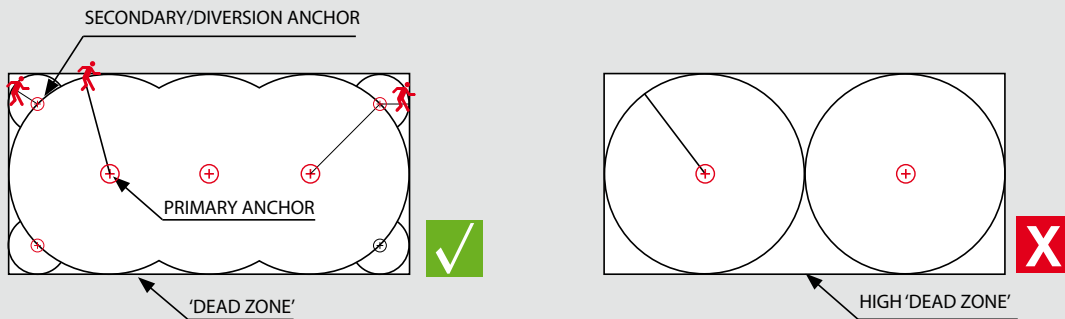


Figure 6 - Incorrect anchor layouts create large dead zones / Correct anchor layouts reduce dead zones

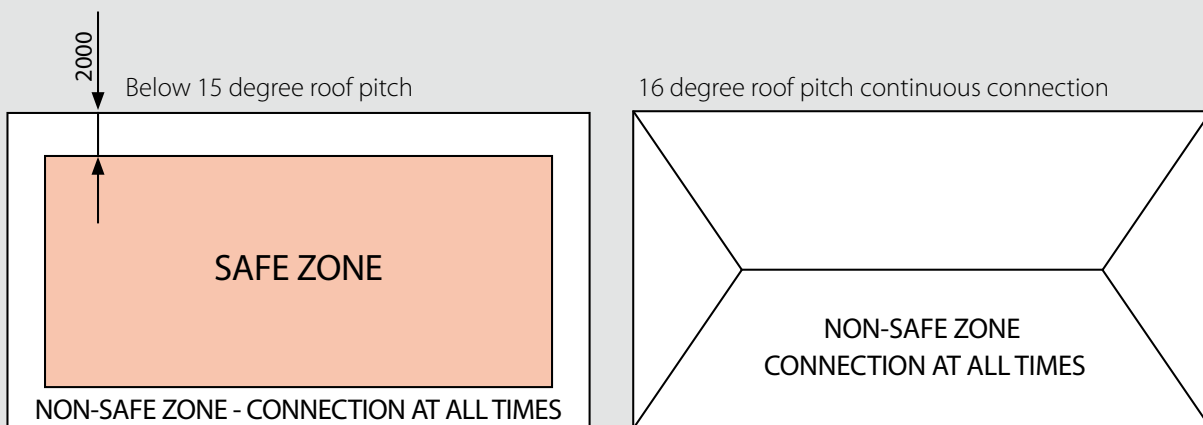


Figure 7 - Roof Pitches

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