



## When It's Critical.

A trusted name for over four 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/NZS4488.1:1997 Industrial Rope Access Systems and AS/NZS1891.1:2007 Industrial Fall Arrest Systems and Devices and most recently succeeded with accreditation to CE standard EN 361 Full Body Harnesses and EN 355 Energy Absorbers. 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.

In addition to AS/NZS and CE standards accreditation, Ferno has recently achieved manufacturing approval by Civil Aviation Services Australia (CASA) to ATSO-C1003 Helicopter External Personnel Lifting Devices for a range of rescue and retrieval specific harnesses and devices for both rescuer and patient.

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.

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Harnesses	2
Lanyards	12
Height Safety Kits	16
Rescue & Retrieval	19
Descenders & Back-up Devices	28
Ascenders, Grabs & Adjusters	30
Belays, Pulleys & Ancillary Hardware	32
Karabiners and Connectors	36
Webbing & Harness Accessories	39
Rope & Rope Accessories	42
Personal Protective Equipment	46
Roof Anchors, Brackets & Ladder Systems	48
DROPS Dropped Object Prevention Systems	56

#### 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.



## Ferno Ultralite X Harness

Code VHI ULTRALITE X

Many hours of R&D have been invested to perfect a harness that offers world leading safety features with an incredibly comfortable, light weight and easy fit. The Ultralite X Harness weighs just 1.35 kg and is so comfortable and easy to wear you'll forget you've got it on. The harness features a cross-style design of webbing attached to pliable, supportive mesh padding that provides an even load distribution to the torso in the event of a fall. The innovative design consists of a new lightweight, 3D, breathable, reflective mesh and an all alloy componentry with splash, water proof and reflective webbing. The reflective properties provide pronounced visibility and safety when working in darkness. Non-metallic front and rear free fall arrest attachment points have contributed to the overall impressive weight of 1.35 kg - a significant weight saving compared to standard full body harnesses. The Ferno Ultralite X Harness is certified to AS/NZS 1891.1:2007.

### Features and Benefits

- World leading safety features
- Incredibly comfortable to wear
- Light weight and easy fitting
- Weight 1.35 kg
- Non-metallic front and rear free fall arrest attachment point
- Confined space retrieval attachment points
- Lightweight alloy quick connect leg buckles
- Simplistic design and shape allows easy donning
- 3D breathable mesh
- Oil, grease and water repelling webbing
- Reflective for exceptional visibility
- Certified to AS/NZS 1891.1:2007
- Available in S/M, M/L or L/XL.
- Conditions apply for XS & XXL



## Challenge Pro Series

Code VHI CHG PRO (standard) VHI CHG PRO PFD (with PFD) VHI CHG PROK (Kevlar) VHI CHG PROK PFD (Kevlar with PFD)

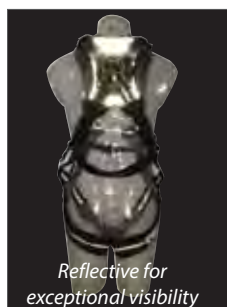
The Challenge Pro's universal design makes it suitable for various applications including industrial height safety, EWP's, confined space, rope access work, general rescue and high rope activities. A removable padded shoulder/back panel provides superior comfort and assists with quick and easy donning. New materials including 3D breathable mesh, alloy componentry, splash and water proof webbing has enabled a weight saving of 200g over its predecessor. Reflective support padding improves visibility and safety when working in darkness. Breathable mesh fabric in the back, shoulder and leg pads provide paramount support and comfort while assisting in keeping the user cool and dry. Certified to AS/NZS 1891.1:2007 and certified to CASA ATSO-C1003 Helicopter External Personnel Lifting Devices.

A second model – the Challenge Pro with integral PFD is certified to AS/NZS 4758.1-2008 Personal Floatation Devices and AS/NZS 1891.1:2007 Industrial Fall Arrest System. This provides options for anyone working over or near water including wharf workers, stevedores, air sea rescue, shipping and oil rigs. The Challenge Pro PFD is supplied with a separate CO2 cartridge that should be installed immediately. CO2 cartridges are deemed dangerous freight items and prevent the Challenge Pro PFD being airfreighted for delivery.

A third model - the Challenge Pro Kevlar is made from industry leading flame retardant and cut resistant materials that provide additional safety options for welders or hot work applications. Certified to AS/NZS 1891.1:2007. The Challenge Pro Kevlar is also available with an optional, integral, flame retardant AS/NZS 4758.1-2008 certified PFD.

### Features and Benefits

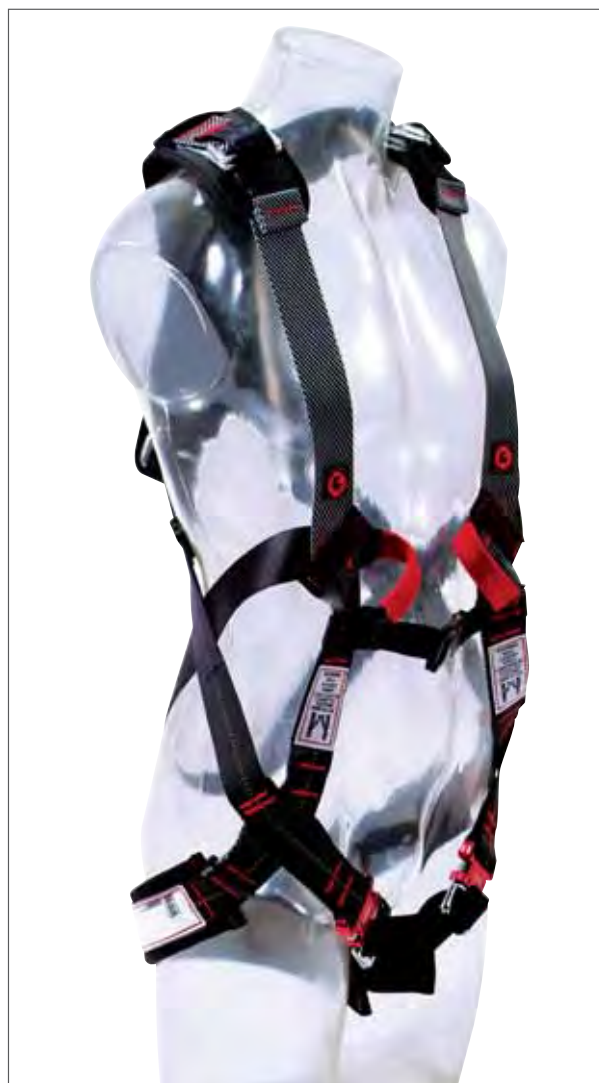
- Front and rear free fall arrest attachment points
- Confined space retrieval attachment points
- Lightweight alloy quick connect buckles and componentry
- Generous size adjustment for most body statures
- Simplistic design and shape allows easy donning
- Removable, reflective and padded shoulder/back panel
- 3D breathable mesh
- Oil, grease and water repelling webbing
- Reflective for exceptional night time visibility
- Certified CASA Helicopter Lifting Device
- Certified to AS/NZS 1891.1:2007
- XS, S-M, M-L, XL. Conditions apply XS and XL



Challenge Pro Kevlar  
Flame Proof



Challenge Pro with integral PFD certified to  
AS/NZS 4758.1 & AS/NZS 1891.1:2007



## Ferno Centrepont II Full Body Harness

Code VHI CEN FB 2 (standard) VHI CEN FB 2 A (ascender) VHI CEN FB 2 BS (battery & self-rescue strap)

A favourite with Australian emergency services and rope access technicians, the Centrepont II is a tried and proven workhorse that can be used in a multitude of applications. The new Ferno Centrepont II combines all the comfort, practical features and benefits of the original version with the addition of reflective thread, webbing and support padding for exceptional visibility and safety when working in darkness.

### Features and Benefits

- Confined space retrieval attachment points
- Offset (cranked) pole strap attachment points
- High & low front free fall arrest attachment points
- Rear free fall arrest attachment point
- Quick connect lightweight buckles
- Gear loops for additional gear
- Large, wide, cushioned mesh waist and leg pads
- Breathable support pad for back & neck protection
- Reflective for exceptional visibility
- Oil, grease and water repelling webbing
- Adjustable leg risers for best fit
- All alloy hardware
- Certified to AS/NZS 1891.1:2007
- XS, S-M, M-L, XL. Conditions apply XS and XL

### Optional Features

- All stainless steel hardware
- All steel hardware
- Retrofit alloy ascender kit for increased mobility when ascending



Reflective for exceptional visibility



## Ferno Hardpoint Full Body Harness

Code VHI HP (standard) VHI HP ASC (ascender)

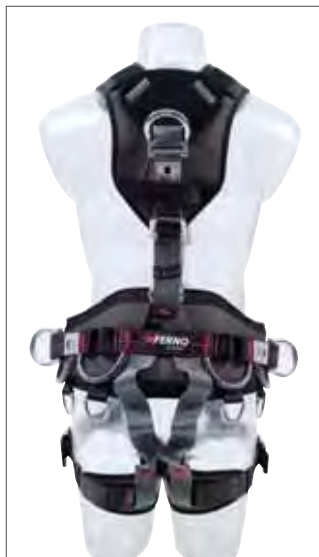
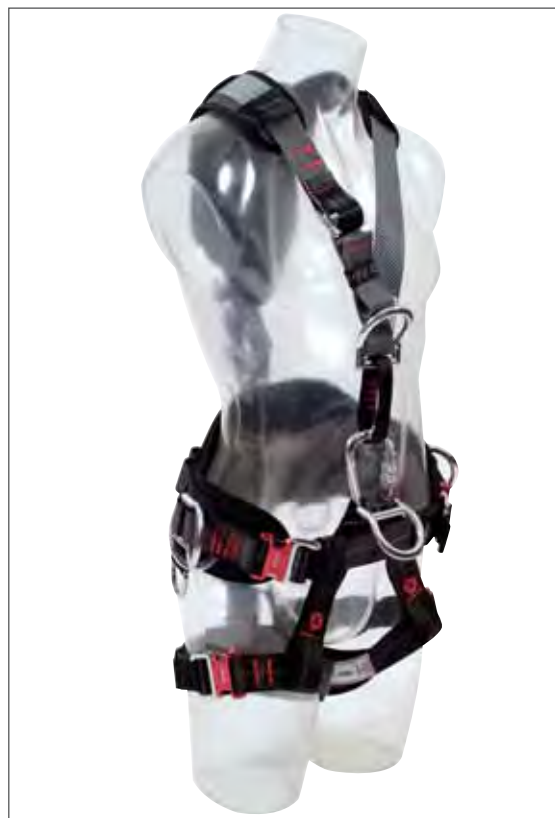
The Ferno Hardpoint provides all the comfort and benefits of the Centrepoint II with a hard front connection point. The Hardpoint is very comfortable to wear or hang in for long periods of time making it ideal for rescue, rope access and tower work. Multiple gear loops allow easy access to attach additional gear while the reflective thread, webbing and support padding provide exceptional visibility and safety when working in darkness.

### Features and Benefits

- Confined space retrieval attachment points
- Offset (cranked) pole strap attachment points
- High & low front free fall arrest attachment points
- Rear free fall arrest attachment point
- Quick connect lightweight buckles
- Gear loops for additional gear
- Large, wide, cushioned mesh waist and leg pads
- Breathable support pad for back & neck protection
- Reflective for exceptional visibility
- Oil, grease and water repelling webbing
- Adjustable leg risers for best fit
- All alloy hardware
- Certified to AS/NZS 1891.1:2007

### Optional Features

- All stainless steel hardware
- All steel hardware
- Retrofit alloy ascender kit for increased mobility when ascending



## Ferno ROAR Harness

Code VHI ROAR & VHI ROAR LITE

The ROAR and ROAR Lite are the ultimate technical harnesses for rope access and rescue specific requirements. Described by a high level rope access professional as “the best and most comfortable harnesses I have ever tried.” Adjustable shoulder, back, leg and waist straps support the user in any angled seated position. ROAR harnesses combine a generous volume of cushioned, breathable padding with the waist support pad being ergonomically sculptured to provide optimum support without impeding spinal motion and function. The moulded leg support inserts eliminate inward leg pressure when suspended enabling all day hanging without effecting leg function and mobility. A rear attachment point and five front connection points are all rated for full free fall arrest and provide a plethora of connection options for rigging and specialised rope work and there are multiple gear loop attachment points. An integral chest ascender is kept tight to the body for secure and safe movement. H-Style Shoulder Straps with confined space pick up points eliminate scissor action of the traditional V-neck design harnesses. Reflective thread, webbing and support padding provide exceptional visibility and safety when working in darkness. The back and neck padding can be removed if required. Constructed with all alloy componentry with oil, grease and water repelling webbing. Certified to AS/NZS 1891.1:2007. Available in size range XS, S-M, M-L & XL. Conditions apply XS and XL.

The ROAR is supplied with two cranked side D’s and quick connect alloy buckles with individually adjustable front shoulder, rear back, waist, leg and leg risers that enable the wearer to comfortably support any angled seated position. Weight 3.95 kg.

The ROAR Lite is 1.5 kilograms lighter at 2.5 kg and considerably less expensive by replacing quick connect buckles with double bar buckles and a revolutionary leg design for industrial harnesses.



ROAR front connection points

ROAR Lite front connection points

ROAR Lite optional light weight karabiner 20g VCT 6V519

Moulded leg support inserts



## Advantage Pro Tower Harness

CODE: VHIADPRO

A revolutionary design that blends the traditional 'H' and 'V' shape providing exceptional comfort along with a multitude of working applications. Breathable mesh, all alloy componentry and specialised splash and water proof webbing has removed over half a kilogram of weight over regular tower harnesses. Padded, breathable waist and leg pads provide paramount support and comfort while keeping the user cool and dry and reflective/photo luminescent features improves night time visibility and safety. Rear gear loops provide for tools and equipment attachment and alloy quick connect buckles allow for fast donning.

### Features and Benefits

- Lightweight design, all alloy componentry
- Quick connect, alloy buckles
- Central multipurpose front free fall arrest attachment point
- Pole strap attachment points
- Rear dorsal 'D' attachment point with extension
- Reflective and photo luminescent for night time visibility
- Rear gear equipment material loops
- Adjustable arc proof neoprene protective covers
- Reflective removable shoulder pad
- Pole Strap attachment point Velcro stowage system (when not in use)
- Certified to AS/NZS 1891.1:2007



## Ferno Tower 5 Harness

Code VHI TOW 5

The Ferno Tower 5 is an exceptionally comfortable and stable harness for suspended tower work.

### Features and Benefits

- Comfortable padded and stable seat with lumbar support
- Large, low set pole strap attachment points
- Rear, dorsal free, fall arrest extension strap
- Front free fall arrest attachment points
- Confined space retrieval attachment points
- Reflective and photo luminescent for exceptional visibility
- Quick connect adjustable leg buckles
- Rear gear loops
- Stainless steel componentry
- Neoprene covers on all upper metal buckles
- Certified to AS/NZS 1891.1:2007
- Available XS, S, M, L, XL.
- Conditions apply for XS and XL



## Ferno Hottie Flame Retardant Harness

Code VHI TRADE B M KEV

Ferno's Hottie harness is made entirely from industry leading, flame retardant, fire and cut proof materials. For welders or hot work applications the Ferno Hottie provides peace of mind along with a comfortable, form fitting harness that is certified to AS/NZS 1891.1:2007. Available with optional detachable, flame retardant lanyard.

### Features and Benefits

- Made from industry leading heat and cut resistant materials
- Front and rear free fall arrest attachment points
- Proban® triangle shapes harness ready for donning
- Stainless steel, double bar buckles
- Certified to AS/NZS 1891.1:2007
- Optional detachable flame retardant lanyard
- Available XS, S, M, L, XL. Conditions apply for XS and XL



Available as harness only or with detachable fire retardant lanyard.

## Challenge Pro Kevlar

VHI CHG PROK VHI CHG PROK PFD

The Challenge Pro Kevlar is made from industry leading flame retardant and cut resistant materials that provide additional safety options for welders or hot work applications. The Challenge Pro Kevlar is also available with an integral and flame retardant PFD certified to AS/NZS 4758.1-2008 Personal Floatation Devices and certified to AS/NZS 1891.1:2007. Available with optional detachable, flame retardant lanyard.

### Features and Benefits

- Made from industry leading heat and cut resistant materials
- Front and rear free fall arrest attachment points
- Confined space retrieval attachment points
- Padded leg straps
- Stainless steel, quick connect buckles
- Certified to AS/NZS 1891.1:2007
- Optional detachable flame retardant lanyard
- Optional integral, flame retardant PFD certified to AS/NZS 4758.1-2008
- Available XS, S, M, L, XL. Conditions apply for XS and XL



Optional integral, flame retardant PFD certified to AS/NZS 4758.1-2008



## Ferno Tradesman Full Body Harness

VHI TRADE CSW (with optional accessories)

The Ferno Tradesman is a comfortable, form fitting and multipurpose, fall arrest harness complete with waist strap and confined space attachment points and rear dorsal 'D' attachment point with extension.

### Features and Benefits

- Front free fall arrest attachment points
- Rear free fall arrest attachment point with extension
- Rear mesh panel shapes harness ready for donning
- Steel double bar buckles for waist, chest and leg adjustments
- Reflective thread for night time visibility
- Oil, grease and water repelling webbing
- Certified to AS/NZS 1891.1:2007
- Available XS, S, M, L, XL. Conditions apply for XS and XL
- Labelling/screen-printed mesh available - conditions apply



## Hi-Safe FH17 Full Body Harness

Code VFM-FH17

Supplied with all mandatory height safety features the FH17 is our premium economy harness that is fully adjustable for a multi size fit in an easy to don jacket style design.

### Features and Benefits

- Front and free fall arrest attachment points
- Thread through, adjustable leg straps
- Breathable rear mesh panel keeps the harness in shape
- Fully adjustable multi size fit
- Easy to don jacket style design
- Certified to AS/NZS 1891.1:2007
- Oil, grease and water repellent webbing
- Customised labelling available - conditions apply



## Hi-Safe FH50 Full Body Harness

Code VFM-FH50, HS-FH50-L (with lanyard),

Our price point full body harness with all mandatory safety features including confined space retrieval attachment points. Customised labelling available.

### Features and Benefits

- Front and rear free fall arrest attachment point
- Confined space retrieval attachment points
- Breathable rear mesh panel keeps the harness in shape
- Quick and easy to don and adjust
- Fully adjustable, multi size fit
- Certified to AS/NZS 1891.1:2007
- Oil, grease and water repellent webbing
- Optional permanently attached lanyard also available
- Customised labelling available - conditions apply



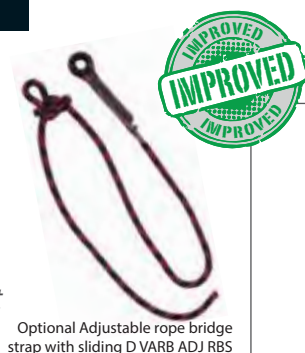
## Ferno Arbor Pro

Code VARB PRO

The Arbor Pro represents the ultimate combination of safety, comfort and features. Fully adjustable for a multi size fit.

### Features and Benefits

- Fully adjustable for a multi size fit.
- Moulded, padded leg loops for short and long term comfort
- Adjustable leg bridge straps to fit all body types
- Quick connect buckles on legs and waist
- Adjustable sliding D ring
- 6 tool loops for extra gear attachment
- Alloy light weight construction
- Oil, grease and water repelling webbing
- Figure 8's attachment points for rope lanyards
- Certified to AS/NZS 1891.1:2007



Optional Adjustable rope bridge strap with sliding D VARB ADJ RBS



# FULL BODY HARNESS Inspection and Donning



The full body harness forms an important part of your personal protection equipment (PPE). Full body harnesses come in a variety of configurations to suit different applications but all are designed to distribute fall arrest forces over the thighs, pelvis, waist, chest and shoulders.

## 1 Harness Inspection

Before and after each use, inspect your harness for any signs of ageing or damage.

1. Run your hands over the straps and ensure all webbing is free from abrasion, dirt, cuts, tears, burns and felt pen marks, overspray, chemical and UV damage, worn or crushed fibres, discolouration and knots.
2. Check the harness' sewn areas for damaged stitch patterns, broken or loose threads, heat damage or stretching.

3. Check each buckle and D-ring or attachment point is in perfect working condition - no distortion, cracking, corrosion, rust, abrasion or missing components.

4. Ensure all tags are present and clearly legible

*If any defects are found during this checking process, you should remove the harness from service immediately and mark it unsafe. If more than 10% wear is determined, tag the unit and remove it from service.*

5. Check snap hook latch in safety line to ensure free movement over its full travel.



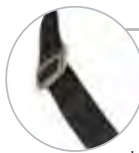
**Rear Dorsal D-Ring or Attachment Point** should be correctly positioned between the shoulder blades



**Chest Strap** should be tight enough to prevent shoulder straps from slipping over the shoulders. Locate chest strap on upper chest



**Webbing Ends** should be held in place by keepers. Never cut excess webbing.



**Leg Loops** should be snug but not impede movement. To gauge correct fit, you should be able to just fit the thickness of your flat hand between you and the harness at the leg loops, hips and shoulders.

### Inspection Program

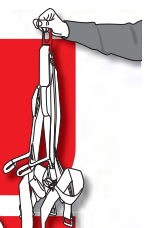
It is recommended by Australian Standards that harnesses be discarded at least 10 years from date of manufacture, if no damage has been sustained in the meantime. Inspection and maintenance is recommended every 6 months in accordance with manufacturer's recommendations and withdrawn from use if not deemed to be suitable for continued use by a competent person.

Refer to AS/NZS 1891.4: 2009 for further guidance on harness selection, use and maintenance.



2

After inspection of your harness is complete, hold harness by rear D-Ring. Gently shake harness to ensure all straps are not twisted.



3

Put your harness over each shoulder similar to putting on a coat. The rear dorsal D-ring or attachment point should now be between your shoulder blades.



4

Fasten chest strap and waist strap (if fitted) with buckle, ensuring each buckle plate lays flat on each other. Chest strap should fit on upper chest.



5

Bend your knees, position yourself as shown. Reaching between your legs, connect right strap to right leg buckle ensuring buckle plates fasten through each other, and adjust strap for a snug fit. Repeat for left leg. Ensure straps are not twisted or crossed.



6

When finished Steps 2 to 5, ensure your harness is secured correctly including the strap which is positioned under the buttocks (inset). The finished fitting should feel snug but not restrict movement in any way. Finally, secure loose ends with keepers and check for twists, misaligned webbing and disconnected buckles.



# Which harness is right for you?

Harness	AS/NZS 1891.1:2007 Certified	Front & Rear Fall Arrest Attachment	Waist Belt / Side D Rings / Pole Strap Attachment	Dorsal Extension	Gear / Tool Loops	Confined Space Retrieval	Padded Legs/Back Support	Padded Seat Support	Construction & Maintenance	Elevated Work Platform	Hot Work / Flame Retardant	Rope Access	Tower Work	Reflective (R) & Luminescent (L)	PFD Personal Flotation Device
Ferno Ultralite X Harness	■	■				■	■		■	■				R	
Ferno Challenge Pro	■	■	■			■	■		■	■		■		R	
Ferno Challenge Pro with PFD	■	■	■			■	■		■	■		■		R	■
Ferno Challenge Pro Flame Retardant	■	■				■	■		■	■	■				
Ferno Centrepoint 2 Harness	■	■	■		■	■	■					■	■	R	
Ferno Centrepoint II Harness with Ascender	■	■	■		■	■	■					■	■	R	
Ferno Hardpoint Harness	■	■	■		■		■					■	■	R	
Ferno Hardpoint Harness with Ascender	■	■	■		■		■					■	■	R	
Ferno ROAR Harness	■	■	■		■	■	■					■	■	R	
Ferno ROAR Lite Harness	■	■			■	■	■					■	■	R	
Ferno Advantage Pro Tower Harness	■	■	■	■	■		■	■				■	■	R/L	
Ferno Tower 5 Harness	■	■	■	■	■	■	■	■					■	R/L	
Ferno Hottie Flame Retardant Harness	■	■							■	■	■				
Ferno Tradesman Full Body Harness with Accessories	■	■	■	■		■			■	■		■		R	
Hi-Safe FH17 Full Body Harness	■	■			■				■	■					
Hi-Safe FH50 Full Body Harness	■	■				■			■	■					
Hi-Safe FH50 Full Body Harness with Lanyard	■	■				■			■	■					
Ferno Arbor Pro	■		■		■		■					■			



## Absorber Lanyards

Lanyards are designed to be the flexible link between a harness and attachment point providing you with the maximum safety possible. Ferno absorber lanyards are designed to limit the force or shock load sustained in the event of a fall to under 6 kN. Ferno offer a full range of Australian Standards approved energy absorbing lanyards that provide a solution to any height safety scenarios.



VFM-LYS200 steel

VFM-LYS300 steel

VFM-LYSTT330EL steel

VFM-LYSTT200EL steel

### Hardware Options



Steel  
Screw gate  
Karabiner  
(VCT A428TOZO)

Steel Small  
Triplock  
Karabiner  
(VCT A430TVZO)

Steel Large  
Triplock  
Karabiner  
(VCT 595TBZO)

Alloy  
Screw gate  
Karabiner  
(VCT L4280001)

Alloy  
Triplock  
Karabiner  
(VCT 4300001)

Steel Double  
Action Hook  
(VPEH 9652)

3-Way Snap  
Hook  
(VISC SH903)

Steel Scaffold  
Hook  
G/O 63mm  
(VUSA S-2230)

Alloy Scaffold Hook  
G/O 60mm  
Med(VCT L3536201)  
G/O 110mm  
Lg(VCT L3702101)

## Adjustable Multi-Purpose Lanyards

Code VAI ADJ EA FAL (single) VAI EA ARL2A (twin)

The Adjustable Multi-Purpose Lanyard is simple to inspect, maintain and use, it is ideal for use in a variety of situations including elevated work platforms and general work at height scenarios. The durable, one piece rope construction in conjunction with a rope grab allows adjustment in length from 60 cm to 200 cm ensuring the safe length at each work area. For exceptional work purposes the lanyard can be supplied in custom lengths exceeding two metres. Australian Standards approved to AS/N ZS 1891.1:2007. "Twin lanyard available with 3 Way Snap Hook with 100 mm sling (VAI EA ARL2A HA)



## Lanyard Mate

Code VFM-LYS ADJ

The Lanyard Mate is an AS/NZS 1891.1:2007 approved energy absorbing lanyard that is self adjustable from 70 cm to 2 m providing flexible and safe access to the users workplace. It can be supplied in shorter lengths with an array of steel or alloy hardware depending on the individuals needs.



## Ferno Hottie Flame Retardant Lanyard

Code VFM-LYS320 KEV

Ferno's Hottie Lanyard is made entirely from industry leading, flame retardant, fire and cut proof Proban® and Nomex® by Dupont® providing additional safety for welders or hot work applications. Approved to AS/NZS 1891.1:2007.



## Wire Absorber Lanyard

Code HS-LY80P (karabiner), VFM-LY80P-DA (double action hook)

A single plastic coated, galvanised wire rope with an energy absorber. The wire rope is a suitable alternative to webbing when welding or working with cutting tools. Available with screw gate karabiner or double action hook at the energy absorber end. Australian Standards approved to AS/NZS 1891.1:2007.



## Wire Core Pole Strap

Code HS-WCPS/3 (3 m) HS-WCPS/4 (4 m)

Made of cut resistant steel wire with a double braid cover and supplied complete with a stainless steel rope adjuster, steel screw gate karabiner and steel double action hook. These lanyards are ideal for use when welding or using cutting tools. Available in 3 m or 4 m lengths.



## Energy Absorber (only)

In the event of a fall, energy absorbers deploy an additional length of webbing that is designed to absorb the force or shock load experienced.

Code	Hardware Selection	Length
VFM-SA10	Screw Gate Karabiner / Screw Gate Karabiner	50 cm
VFM-SA20	D-Ring / Double Action Hook	63 cm
VFM-SA30	Double Action Hook / Screw Gate Karabiner	50 cm



VFM-SA20

## Strong Built Series



VCT 8G105 (5 m), VCT 8G107 (7 m)  
VCT 8G110 (10 m), VCT 8G115 (15 m)

Available in 5 m with 15 mm webbing or 7 m, 10 m or 15 m with 4.3 mm wire with triplock karabiners and swivel at harness end. The 5 m and 7 m version have multiple anchor slots. The 10 m and 15 m version have a convenient built in handle to carry the device. Advanced braking with built in clutch system. Fully serviceable composite housing and drum. CE 0321 & EN 360 Certified



3.3 kg (5 m)      3.6 kg (7m)  
6 kg (10 m)      6.3 kg (15 m)

7 m, 10 m and 15 m wire versions also available for horizontal use

## Ultra Compact Series



Code VCT 8G600 (1.5 m) VCT 8G700 (2 m)  
VCT 8G102 (2.5 m) VCT 8G104 (4 m)

Ultra Compact, lightweight with 15 mm webbing, triplock karabiners and swivel at harness end. Reversible attachment option for 1.5 m and 2 m version. Fully serviceable composite housing and drum. CE 0321 & EN 360 Certified.

Weights:  
780 g (1.5 m)    820 g (2 m)  
900 g (2.5 m)    1020 g (4 m)



## Hi-Safe Non Adjustable Lanyard 60 cm

VFM-LY600R

Hi-Safe Non-Adjustable Lanyards are to be used in situations of total restraint only where there is no risk of a free fall. An understanding of working in restraint is essential for the safe use of these products. Length 60 cm.



## Adjustable Rope Line - 15m / 20 m / 30 m

HS-ROPLANK 3T 15

The adjustable rope line is ideal for roof work and allows flexible work positioning via a steel rope adjuster with Energy Absorber. Supplied with attached screw gate karabiners to secure to anchor point and harness. Available in 15 m, 20 m or 30 m lengths.



## Ferno Pole Strap

1. VAIPOLEEN22.3NZ 2. VAIPOLEEN22.8NZBLD 3. VAIPOLEEN24NZGRN

Available in lengths from 1.9 m to 5 m. Each pole strap is supplied standard with two double action alloy hooks and leather or web protective sheath. Buckle adjustment is off set from attachment point for easy adjustment. An optional D-ring attachment point can be supplied for hanging gear up to 50 kg. Optional steel or alloy connection points available. AS/NZS 1891.1:2007 standards approved.



## Ferno Slings

Codes VSL R32kN (25 mm round), VSL S30kN (50 mm flat snake) VSL S80kN (50 mm heavy-duty flat snake)

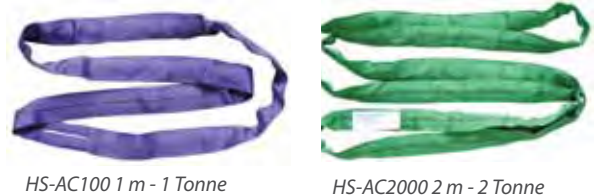
Every Ferno Sling is made from high grade, abrasion resistant webbing and is available in a variety of colours and lengths. The different styles provide the user with the option to wrap the sling in a single, double or triple style or tie end to end making them a versatile and handy adjunct for forming temporary anchor points. Manufactured in accordance to AS/NZS 1891.



## Tie-Off Adapters

Code HS-AC1000, HS-AC2000

Available in one or two metre lengths in one and two tonne holding capacity. Manufactured from very low stretch material with a soft finish to protect painted surfaces.



## Girth Hitch Sling

Code VSL G30kN

The Girth Hitch Sling differs significantly in design and performance from other adjustable anchor straps, allowing it to handle a higher load before slipping. The D-ring on one side is larger than the other, so the other end can pass through, allowing the straps to be rigged in a girth hitch. Available in lengths from 30 cm to 2.5 m

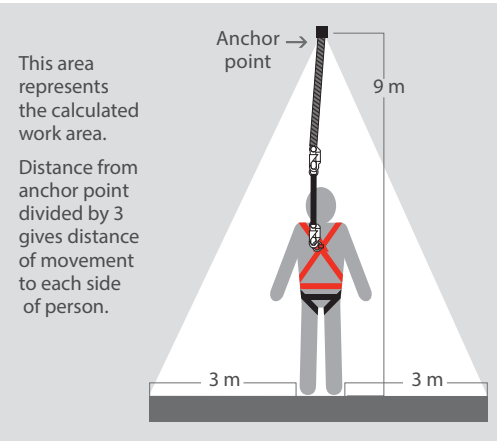




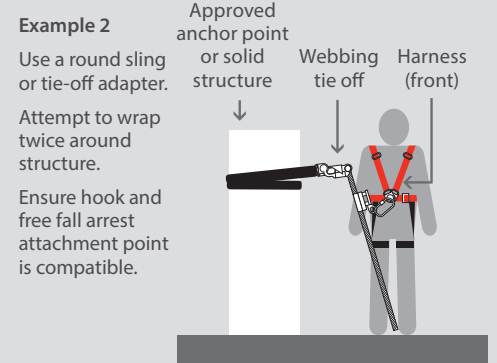
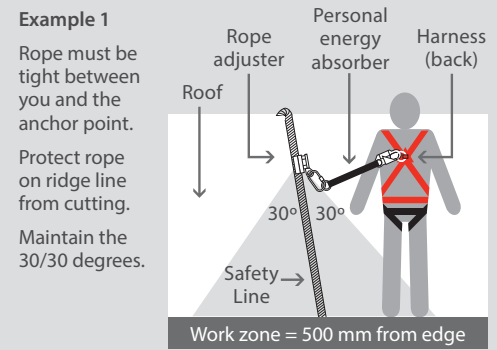
**Calculating fall distances and clearances using traditional energy absorbing lanyard. Fall distance reduced with Shockyard**

Before Fall	After Fall	Anchorage	Calculation
		Lanyard length	2 m
		Required distance for energy absorber to decelerate	1.75 m
		Worker height	1.8 m
		Safety/Residual clearance	1 m
<b>Total</b>			<b>6.55 m</b>

**Work zone formula - overhead anchors**



**Work zone formula – connecting safety lines**



**ANCHOR PLACEMENT / ROPE LENGTH**

Ensure correct rope length is used to avoid potential fall situation

**ANCHOR PLACEMENT**

Incorrect anchor layouts create large dead zones. Correct anchor layouts reduce dead zones

## Economy Roofers Safety Kit

Code HS-DLER-BP

Designed by industry professionals and tested in the field to meet the day to day requirements of roof workers. All components have been carefully selected for durability and quality ensuring longevity of service while keeping budgets in check.

Kit Contents	Qty
Hi-Safe FH 50 Full Body Harness	1
15 m of 11 mm rope with sewn eyelet & steel screw gate karabiner	1
Personal energy absorber with rope grab and screw gate Karabiner	1
1500 mm Round Sling	1
Back pack	1



## Metal Roof Workers Kit

Code HS-DLEDGE-BP (EDGElok)

HS-DLROOF-BP (ROOFlok)

Specifically constructed for use on all metal roofs. All components have been selected for durability and quality ensuring longevity of service. The kit is available with either the Ferno EDGElok or Ferno ROOFlok Temporary Anchor.

Kit Contents	Qty
Hi-Safe FH17 Full Body Harness	1
15 m of 11 mm rope with sewn eyelet & steel screw gate karabiner	1
Personal energy absorber with rope grab and screw gate Karabiner	1
1500 mm Round Sling	1
Ferno EDGElok™ Temporary Anchor System or Ferno ROOFlok™ Temporary Anchor	1
Back pack	1



### Kit Options



Optional carry bag



Optional detachable personal energy absorber



Optional large cladding insert for ROOFlok

## Construction Kit



Code HS-DLC-BP

The Ferno Construction Kit is designed for limited movement applications such as elevated work platforms or general construction and maintenance. The retractable lanyard provides a safer work place and minimises the chance of entanglement while working.



Kit Contents	Qty
Hi-Safe FH 50 Full Body Harness	1
2.4 m Retractable lanyard with Hardware	1
1500 mm Round Sling	1
Back pack	1

## Tower Workers Kit

Code VKIT TOWER

The Tower Workers Kit contains everything necessary for working on top of towers, electrical poles and pylons.



Kit Contents	Qty
Ferno Tower 5 Full Body Harness	1
Sling - round 25 mm x 1500 mm	1
Sling - round 25 mm x 1200 mm	1
Pole strap 4 m	1
Single elasticised absorber lanyard 1.6 m	1
Steel triplock karabiner	2
All purpose grab bag	1



## Temporary High Line Kit 20 m & 30 m

VKIT TEMP HIGH (20m) VKIT TEMP HIGH 30 (30m)

This kit provides the basic components to make a temporary high line for working at height. The Temporary High Line Kit is rated to one person fall arrest or two person restraint.

Kit Contents	Qty
2000mm Snake Sling	2
1500 mm Snake Sling	1
Pear Shaped Maillon	1
50kN Triple Action Carabiner	2
Oval Screw Gate Carabiner	2
Rope Tensioner	1
16mm Rope (20 m or 30 m)	1
All Purpose Grab Bag	1



## Webbing Static Line Kit 18 m

Code HS-HLL2

This system is designed for short work durations where a larger degree of side movement is required and this movement cannot be covered by the use of a lanyard or drop line. Ideal for use when installing balcony handrails or running cables along roof edges. The Webbing Static Line Kit is rated to one person fall arrest or two person restraint and comes complete with the following components:

Kit Contents	Qty
18 m web static line with ratchet	1
2 tonne round sling 2 m	2
2 tonne safety bow shackles	2
All purpose grab bag	1



## 2 Man Web Temporary Life Line Kit 20 m

Code CM-HLL1WK-20

A simple to install webbing system that can span between fixed anchorage points and provide a safe horizontal anchorage for up to two users in restraint, or one user in a fall arrest application.

Kit Contents	Qty
20 m web static line with tensioner	1
Swivel Karabiners	2
Equipment bag	1



## Block Rescue Winch

Code VCT 8G119

15 m of 4.3 mm wire with triplock karabiners and swivel at harness end. Integral rescue winch allows lowering or raising of victim. Convenient built in handle for carrying device. Advanced braking with built in clutch system. Fully serviceable composite housing and drum. Suitable for off-shore application. CE 0321 & EN 360 Certified. Weight 8.9 kg

## Self Rescue Descender Block

Code VCT 8G129

This unit will arrest a fall then automatically lower the operator at a controlled descent speed. Suitable for off-shore application. 15 m of 4.3 mm wire with triplock karabiners and swivel at harness end. Maximum descent speed 1.5 m per second. Maximum working load 150kg. CE EN 360 & EN 1496 Certified. Weight 7.8 kg

## Hydraulic Rescue System Block

Code VCT 8G1230 (1 man) VCT 8G1240 (2 man)

The quickest way to rescue people from an elevated location. As the evacuee descends the other line end ascends ready for the next person. The hydraulic system is more reliable than mechanical brake systems and minimal heat is generated even after multiple descents. Little maintenance is required and the device can be stored on site or positioned ready for use, no inspection is required until original packaging is opened. Suitable for off-shore application. One Man System has a working load 150 kg. Two Man System has a working load 500 kg. Maximum descent speed 1.5 m per second. Supplied with triplock karabiners and swivel at harness end. CE EN 341 Certified. Both the one man and two man systems are available in 15 m, 25 m and 50 m lengths.

## Type 3 Fall Arrest Block

Code VISC UB171

Inertia reel with the ability for wind up, wind down mechanism for emergency recovery. 8mm galvanised steel cable with Twist lock, Fall-indicating, Swivel Eye Karabiner. Available 15 m, 1 person fall arrest. Weight: 14.5 kg WLL: 136 kg CE EN 360.2002, CE EN 1496, ANSI 2359.01 (2007)



## Pole Top Rescue Kit

Code VKIT POLE AS

The Pole Top Rescue Kit is supplied complete with all equipment necessary to complete rescues during electrical pole work. Conforms to many electrical authorities requirements.

Note: electrical gauntlets not provided.

Kit Contents	Qty
Weather proof fibreglass container with instructions	1
33 m blue rope with hard eye end	1
Alloy double action hooks	2
Pole Belt	1
Pole strap with D-ring	1
Tool pouch	1
Cable cutters	1
Knife, blunt nose	1



## Ferno Tower Rescue Kit

Code VKIT-FTRK

The Tower Rescue Kit contains the essential equipment required for the retrieval and rescue of personnel or tower structures.

Kit Contents	Qty
Storage backpack yellow	1
65 m rope with sewn eye & triplock karabiner	1
FDU100 Rescue Descender with triplock karabiner	1
50 mm x 1200 mm anchor sling	1
25 mm x 1200 mm round sling	1
Rescue knife with extender and 2 alloy triplock karabiner	1
Mechanical advantage retrieval system	1
Cervical collar (optional)	1



## D2 Escape Descender Kit

Code VISC KT860A1-015

The D2 Escape Descender is compact and lightweight allowing it to be on harness at all times. An innovative design with a descent sweet spot that can be easily controlled however should the user let go or pull too hard the auto lock function activates. Easy to back feed rope for smooth ascending or for emergency hauling when used as part of a 2:1 Z-rig. Rated Load 100 kg. Certified EN12841, NFPA. Larger lengths available on request.

Kit Contents	Qty
D2 Descender	1
15 m 8 mm rope	1
Alloy screwgate karabiners	2
Anchor Sling	1
Bag	1



## RALF Rescue Retrieval System

Code *FWE-RRK*

Packaged ready to rescue, no assembly required. The RALF Rescue Retrieval System allows you to quickly raise or lower a person. The system includes an integral braking system in case accidental release of rope by the rescuer.

Qty	Description
2	Triplock Alloy Karabiners
1	RALF Rescue Locking Pulley
2	Medium Prusik Pulley Double
1	Mailon Rapide - Twist
1	25mm Round Sling 1200 mm
50	11 mm Kernmantle Rope
1	50 m Heavy Duty Rope Bag



## Hi-Safe Rescue Pulley System

Code *FWE-CSRK (bag), FWE-CSRD (drum)*

Developed for backup and rescue situations the Hi-Safe Rescue Pulley System has a 4:1 lift advantage and a built-in lift and lock system which can be manually overridden. It comes standard with 50 m of rope allowing approximately 12 m of lift. Supplied standard with a heavy duty rope bag, also available with optional dust proof stowage drum.



## Ferno Mini Haul Kit

Code *VKIT MINI HAUL*

The Ferno Mini Haul kit is an extremely compact haul kit that will provide a 6:1 mechanical advantage. It features a V-shaped cleat that if required, enables the operator to lock off the system during a hauling operation. Comes standard with 25 m of 5 mm rope, additional length available on request. The Ferno Mini Haul Kit is rated for one person rescue only.



## CMC CSR Pulley Kit

Code *CMC500102*

The CMC CSR Pulley Kit is a 4:1 rescue system that is provided with a pulley that is easy to release under load. The new aluminium pulleys swivel at both ends of the system eliminating any potential twisting of the lines. The CMC CSR Pulley Kit is an excellent choice for confined space entry or rope access where a heavy duty pulley system is required. Supplied with 30 m CMC Rescue Static Pro Lifeline, 2 karabiners, 2 pulleys and rope bag



## Aztek Elite

HP-AZE15 standard HP-AZP15 standard + extra pin

A compact mechanical advantage system with many uses in rescue and rigging including pick off, travel restrict, adjustable and high directional, guylines, high angle attendant and litter scoop tether, load release hitch and more. Aztek pulleys are in two colours with colour coded Prusik which can be activated or deactivated so the ratchet can be at the top or bottom pulley. Swivel Omini pulleys 36 kN Prusik cord 19 kN. Suitable for main or belay system rescue loads to 280 kg.



## Ferno Evac Rescue Descent Kit

Code UL-MINIEVAC2PKIT

Ferno Evac Rescue Descent System contains all the gear you need to self rescue or evacuate one to two persons from towers, wind turbines, masts, high bay lift trucks, cranes or similar. A controlled rate descent device with a 15:1 geared recovery mechanism provides lifting capabilities for either one or two person, self rescue evacuation. The standard kit is supplied with 50 metres of 11 mm kernmantle rope that conforms to Australian Standards, customised lengths up to 160 metres can be supplied. Rate of descent: 0.8 m per second depending on operator competence and fitness. Each kit meets standards EN 341 Class A, EN 1496 Class A, ANSI Z359.4

Qty	Code	Description
50 m	UL-163-660-602	11 mm Kernmantle Rope (additional lengths available)
1	VBS HIMIS 100	Heavy Duty Rope Bag 100 m
1	VCT 595TBZO	Karabiner Steel Triplock 50 kN
1	VSL S30KN 1500	Flat Snake Sling 30 kN 50 mm x 1500 mm
1	VSL R32KN 1500	Round Sling 32 kN 25 mm x 1500 mm
1	FWE2090	Ferno Res-Q-Link Recovery Pole
1	(as pictured)	Rescue Decent Hardware



## Res-Q-Link Recovery Pole

Code FWE2090

The Res-Q-Link is a unique and multi functional rescue pole incorporating many features and benefits including:

- Large alloy double action hook compatible with most recovery systems and allowing two configurations to provide versatility when rescuing a fall victim
- Extendable from 150 cm to 280 cm.
- Fibreglass outer pole and rubber coated handle for maximum grip and control in long reach scenarios.
- Torch holder for low light scenarios which is compatible with most slim line torches
- Rope and web cutting knife to cut victim free once a recovery system is attached.
- Additional double action hook available (Code VCT L3536201)



Large alloy hook with torch and torch holder (torch not supplied)



Large alloy hook with web cutting knife



Large alloy hook, knife in stored position





## Traverse Gazelle Basket Stretcher

Code FWETBG (Basket)

Code BRB-TLB (24 mm screw gate karabiner) and BRB-TLB-LTA (large triplock karabiner)

The Traverse Gazelle Basket Stretcher is a basic rescue stretcher designed to be used in a raise/lower operation. Its frame geometry, construction and materials provide its impressive strength. The top and lower rails are made using a 19 mm robust steel tube. Durathene netting allows water and air to easily pass through the patient compartment.



Length	Width	Weight	Load Rating
211cm	62cm	13kg	408kg

The Ferno Adjustable Lifting Bridles are designed specifically for use with the Gazelle Basket Stretcher and are rated at 2250 kg (22 kN). Each arm is made with UV resistant webbing and is fully adjustable in length. Drop forged lifting ring, adjusters and sliding bar buckles

## Ferno Vertical Rescue Stretcher

Code VRES STRETCH

The Ferno Vertical Rescue Stretcher's roll-up, compact and lightweight design makes it ideal for high angle, confined space, horizontal or vertical rescue. When deployed the stretcher becomes rigid and provides patient protection and security during rescue and evacuation. It has many carry handles and six colour coded lifting slings that provide a good variety of options for transportation and lifting. An integral, colour-coded, full body restraint includes a padded head restraint system, six over body restraints, shoulder and groin straps along with a foot strap for vertical lifts. The Vertical Rescue Stretcher rolls up and is easily housed within its cordura storage bag which doubles as a backpack.



Length	Width	Weight	Load Limit Horizontal	Load Limit Vertical
202 cm	77 cm	8 kg	350 kg	250 kg

## Ferno VRS 6 Point Lift Bridle

Code BRB-VRS

As an option to the standard six lifting slings, the Ferno VRS 6 Point Lift Bridle is designed specifically to fit the Vertical Rescue Stretcher and offers the rescuer additional lift options in delicate rescue scenarios. Each sling arm is adjustable and colour coded to the stretcher lift handles to ensure correct placement.



## Patient Lifting Sling

Code VRES PAT LIFT+

Ideal for retrieval of victims trapped in locations where time and rescue is of the essence. Simple to apply and fully adjustable in confined and difficult situations. Seat and leg loops hold victim securely. Certified to CASA ATSO-C1003 Helicopter External Personnel Lifting Devices.



## Spreader Bar

Code VAI SPREADER SHA

Used in confined space situations and rescue scenarios. Attaches to confined space pick up points on harness shoulder straps.

AS/NZS1891.1:2007 certified.



## IndustriPOD®

Code FWE-INPOD

The IndustriPOD® is a rugged and versatile tripod with built in safety factors that exceeds internationally recognised rescue systems and standards. Its simplistic but unique design makes it ideal for heavy duty confined space requirement where guaranteed performance is mandatory.

The IndustriPOD's® design allows for a 550 kg load (tested to 5500 kg) off the centre eyebolt and 360 kg loads (tested to 3600 kg) off the side plate attachment points making it one of the strongest tripods on the market.

The IndustriPOD® has top stabilisation anchoring points that assist in the stabilisation of the system when using the external mechanical advantage or retrieval systems.

The IndustriPOD® is compatible with many of the Ferno ArachnipoD TEMS accessories.



Heavy Duty, RipStop Vinyl full length oversize zipper for easy access and pack up.



Type 2 Winch. Basic wind up/down mechanism. 6 mm galvanised steel cable and steel screw gate karabiner. Available 10 m, 20 m or 25 m.



Type 3 Fall Arrest Block. Inertia reel with wind up/down mechanism. 8mm galvanised steel cable with twist lock, fall-indicating, swivel karabiner. 15 m, 1 person fall arrest.

### Features and Benefits

- Rectangular, fully adjustable legs with quick action lock leg pins
- One piece fabricated steel head
- Adjustable foot with aggressive non slip tread pattern
- Adjustable foot tether strap
- One swivel eyebolt
- Three karabiner attachment points
- Three tie off points for rigging or stabilisation
- Optional hold down stake for soft ground conditions
- Optional foot step for easy access to tripod head
- Optional equipment bracket
- Optional winch with mount
- Optional type 3 fall arrest block with mount
- Optional carry bag



Hold Down Stake



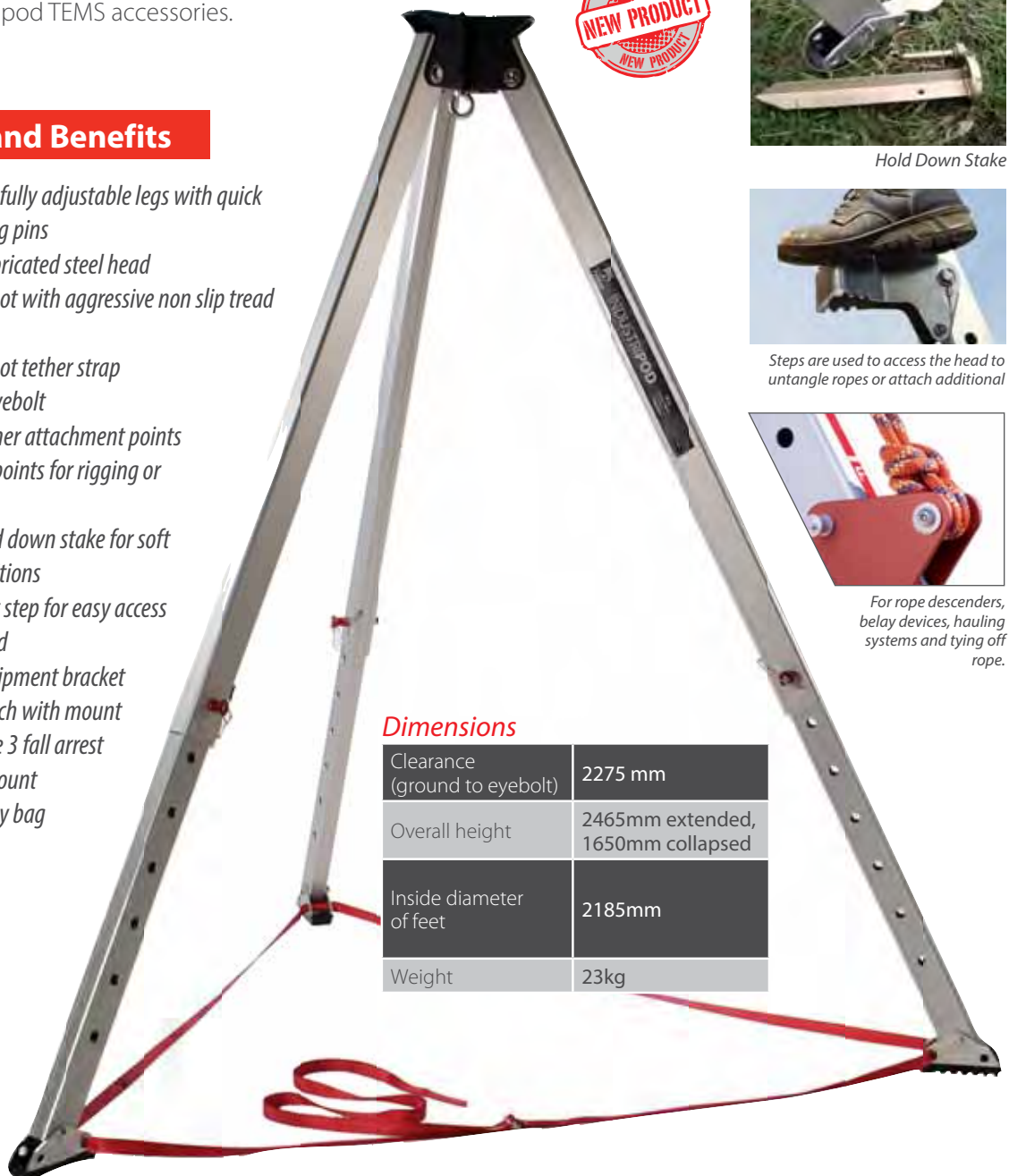
Steps are used to access the head to untangle ropes or attach additional



For rope descenders, belay devices, hauling systems and tying off rope.

### Dimensions

Clearance (ground to eyebolt)	2275 mm
Overall height	2465mm extended, 1650mm collapsed
Inside diameter of feet	2185mm
Weight	23kg



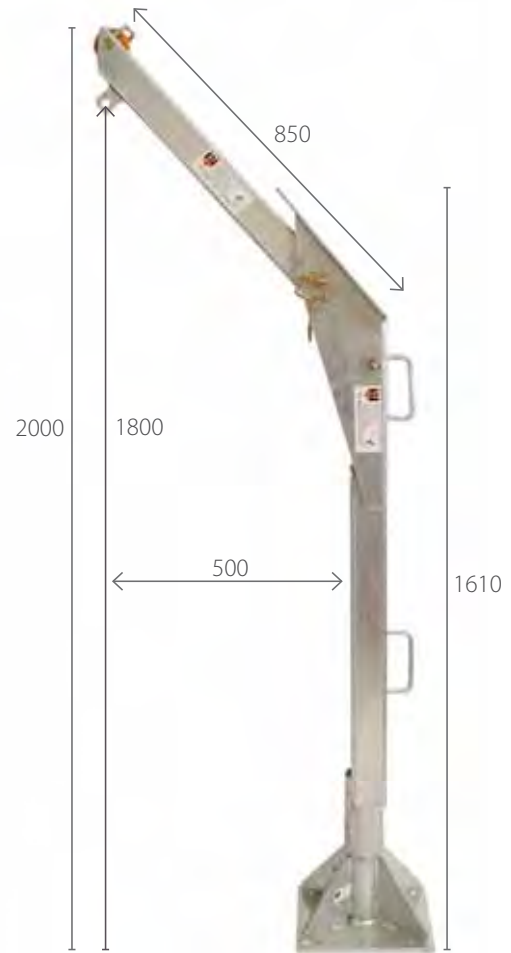
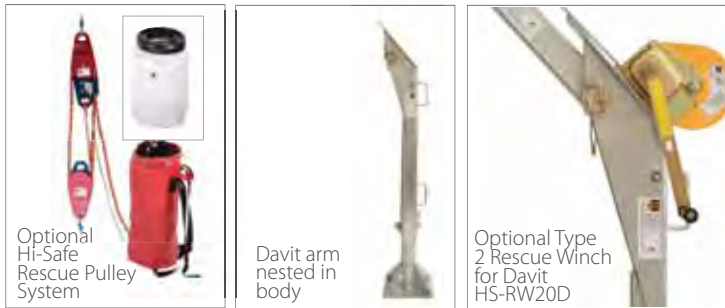
## Hi-Safe Davit System

Codes HS-DAV SYS (complete system), HS-DAV B (Davit Base) and HS-DAV A (Davit arm and body)

The complete Davit System is an ideal solution for scenarios lacking overhead anchor points or areas that cannot be straddled by a tripod. Individual bases can be installed at multiple work sites allowing a single davit arm to be used in various locations.

### Features and Benefits

- Durable galvanized steel construction
- Simple to install and one man portable
- Collapsible design
- 34 kg arm and body
- 14 kg base - dimension: 300 mm<sup>2</sup>
- SWL 180 kg with 8:1 safety factor



# arachnipod

The Ferno Arachnipod is the world's most versatile modular total edge management system (TEMS). Components can be added or removed to suit structural or natural features. The unique design of the patent pending modular head allows the Arachnipod to be constructed into many configurations including a ginpole/monopole, bipod, tripod, quadpod, bridge system and handrail recovery monopole. Its versatility makes it an ideal system for workers in industries such as rescue and emergency services, construction, military, utility services, mining, film and maintenance. Approved to CE Standard EN 795B

## Configurations



Gin Pole/Monopole



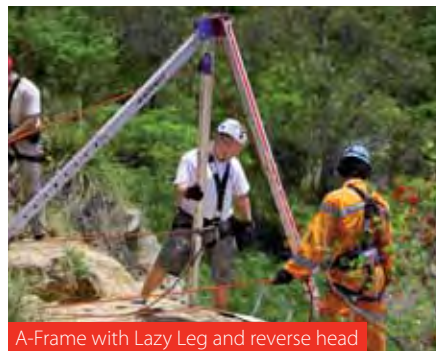
Handrail Recovery Monopole



A-Frame



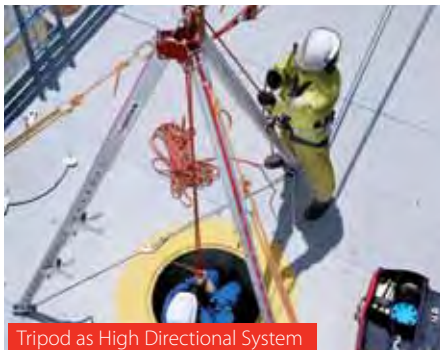
Sideways A-Frame using pulley head



A-Frame with Lazy Leg and reverse head



Tripod



Tripod as High Directional System



Bridge System



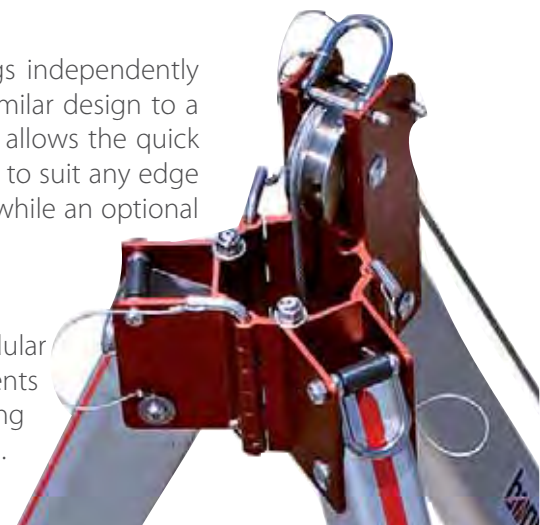
Quadpod

## How It Works

The Arachnipod, in its basic form, is a simple tripod with the three legs independently pivoting from an anodised aluminium head. The modular head has a similar design to a door hinge. Inserting or removing a pin through the centre of the head allows the quick and simple addition or removal of components to create a configuration to suit any edge management scenario. Each head section contains a shackle for guying while an optional in-built twin grooved stainless steel pulley is also available.

## Arachnipod Kits

The Arachnipod flat packs for simple and convenient storage and the modular design provides an option to purchase a basic unit and upgrade components to make a more advanced system. There are numerous kits available ranging from the basic tripod through to a total edge management system (TEMS). The table opposite will help you decide which kit is best for your specific needs.



## Accessories and Features



Standard foot



Hold-down stake



Spike foot



Soft ground shoe



Lazy leg extender kit



Rigging plate

Quad plate



Lazy leg Adapter



Reverse head



Gin head



Accessory kit



Type 2 Winch. Basic wind up/down mechanism. 6 mm galvanised steel cable and steel screw gate karabiner. Available 10 m, 20 m or 25 m.



Type 3 Fall Arrest Block. Inertia reel with wind up/down mechanism. 8mm galvanised steel cable with twist lock, fall-indicating, swivel karabiner. 15 m, 1 person fall arrest.



Steps are used to access the head to untangle ropes or attach additional gear without having to lower the system.



For rope descenders, belay devices, hauling systems and tying off rope.

## Arachnipod Tripods

Components	Tripod Style			
	Industrial	Industrial Plus	Advantage Basic	Advantage
Standard leg	3	2	2	1
Pulley leg		1		1
Lazy leg			1	1
Lazy leg adapter plug			1	1
Foot tether rope	1	1	1	1
Arachnipod bag	Optional	Optional	Standard	Standard

## Arachnipod Kit Contents

Contents	Kit				
	Rescue	Rescue Plus	Advantage Basic Plus	Advantage Plus	TEMS
Industrial plus tripod	1				
Advantage tripod		1		1	1
Advantage basic tripod			1		
Arachnipod bag	1	1	1	1	1
Rigging plate	1		1	1	
Spike feet	3				
Quad plate			1	1	
Reverse head			1	1	
Gin head			1	1	
Full accessory kit		1			1
Advantage accessory kit bag			1	1	
2 m or 3 m or 4 m bridge kit in bag with spare leg and foot tether rope					1

Extra legs and all accessories can be ordered separately to suit custom requirements

Full accessory kit contents	Qty
Accessory bag	1
Spike feet	4
Gin head	1
Soft ground shoes	4
Hold down stakes	4
M12 Tru-bolts	8
M12 masonry drill bit	2
Spare Qik-link head pins	2
Spare detent pins	2
Spare Ball-lock leg pin	1
Steps	2
Equipment bracket	1
Rigging plate	1
Quad plate	1
Reverse head	1

### Optional extras

Bridge kit stainless steel upgrade kit
Bridge ratchet strap system
Additional standard leg
Additional pulley leg
Gin head
Lazy leg extension kit
Lazy leg adaptor
10 m winch and mount (6 mm cable)
20 m winch and mount (6 mm cable)
Type 3 fall arrest block and mount

## CMC Rescue MPD

Code CMC333000 (13 mm rope) CMC333010 (11 mm rope)

The MPD is a multi-purpose device that performs all functions for main lines, belay/safety lines, tag lines and hoisting lines and can be used to tension high and guiding lines. Training and rigging is simplified and rescue system changeover becomes faster and safer by eliminating switch out and replacement of hardware.

- Variable-friction descent control device for rescue systems and rappels
- High efficiency pulley with an integral rope-locking mechanism for a haul system
- Allows the main line and belay line rigging to be mirror images
- Functions as lowering brake and as ratcheting pulley for raising
- Rescue belay device meets BCCTR Rescue Belay Competency Criteria
- UL Classified to NFPA 1983, General Use Pulley - Auxiliary - Descent Control



## Ferno FDU

Code FWE-FDU 100 (with friction rack) FWE-FDU 200 (without friction rack)

Ideal for personal rescue, emergency escape, rescue operations or specialised rope work as a friction control, double stop descending system. The system gradually releases its load when the handle is moved towards the central position. The double stop mode locks should a panic grab happen but unlocks progressively when the handle is released. The Ferno FDU is available with a friction rack for rescue loads (2 persons) Extensively tested and certified to AS/NZS 4488.1:1997 with 11 mm rope.



FDU200

	Length	Width	Depth	Weight
FDU100	250 mm	135 mm	45 mm	950 g
FDU200	250 mm	135 mm	45 mm	730 g

Dimensions taken with handle in stored position

## Sparrow Self Locking Descender

Code VCT 2D646

The Sparrow is the result of intensive technical research and development. The EBS (Extraordinary Braking System) offers superior braking and the multi-functional handle with automatic return provides superior descent control but limits involuntary action. It allows you to unblock the rope position without having to tie off. It allows for short ascent and the assembly of a reversible haul system. The floating cam design forces users to load the rope preventing accidental "reverse loading". Rope adjustment device certified to EN 12841:2006-C. Rescue descender certified to EN 341:2011-2A. To be used only with static and semi static ropes certified to EN 1891 type A, 10.5 to 11mm. The Sparrow was designed to be used in conjunction with the Easy Move backup device.



Easy Move was designed in conjunction with the Sparrow Descender



## AB Descender

Code VISC RP810E

Ideal for height access technicians, special forces, rescue specialists, arborists and tower workers who are exiting via a long rope descent. Will take the load of two people and features double stop capabilities. In technical rope access situations it must be used with a type A device or EN353-2 backup device and safety line. Suitable for 10.5 to 11.5 mm rope.



Length	Width	Depth	Weight
200 mm	79 mm	35 mm	440 g

## Anthron Lory

Code ANTH-LORY

A self locking belay device that is suitable for descending, ascending and mechanical advantage hauling systems. The Anthron Lory automatically locks, both when the handle is released or pulled too far reducing the risk of panic pull.



Rope	Length	Width	Depth	Weight
9 mm - 11.4 mm	125 mm	70 mm	35 mm	365 g

## EASY MOVE Back up Device

Code VCT 2F713

A lightweight, all in one fall arrester, rope adjuster, rope tool and ascender device that follows your movements and instantly locks in case of fall. The device can be manually adjusted to stop and continue. Suitable for 11 mm rope, the Easy Move will grip on dirty or icy ropes. The Easy Move can be used as a universal backup device but was originally designed to be used in conjunction with the Sparrow Descender. Weight 190 g.



## RED Back up Device

Code VISC 892 (popper cord) VISC 891 (fixed tow cord)

The RED is a simple, high performance back up device suitable for use by Rope Access technicians. Tested with 240kg it is suitable for back up rescue loads. The cams positive locking spring means the device is self-parking rather than self-tailing. The RED uses rotational braking so the more it rotates the more friction is built up, providing an automatic brake. Supplied with either a fixed tow cord 'Popper' which will break away in a panic fall or fixed tow cord.



Rope	Length	Width	Depth	Weight
11 mm - 13 mm	88 mm	86 mm	28 mm	160 g

## CT Chest Ascender

Code VCT 2D640D0

It is commonly used as a chest ascender but can also be used for other applications. The design of the ascender ensures smooth and positive ascending as well as good jamming and a patented rope release device.

Rope	Length	Width	Depth	Weight
8 mm - 13 mm	104 mm	77 mm	36 mm	140 g



## CT Ascender Simple

Code VCT 2D642D0

The Climbing Technology Ascender Simple is designed to be fastened to the harness with a karabiner, maillon rapide or rope 8 mm to 13 mm. The design of the ascender ensures smooth and positive ascending as well as good jamming and a patented rope release device.

Rope	Length	Width	Depth	Weight
8 mm - 13 mm	110 mm	74 mm	30 mm	150 g



## CT Handled Ascenders

Code VCT 2D639S5 (left) and VCT 2D639D5 (right)

Each of the Climbing Technology Handled Ascenders has a large opening so they can be easily used with gloves. The handles are padded with a textured rubber compound which is comfortable but firm, providing a non-slip grip.

Rope	Length	Width	Depth	Weight
8 mm - 13 mm	190 mm	95 mm	35 mm	215 g



## Quick Arbor Ascender

Code VCT 2D639S5 (left) and VCT 2D639D5 (right)

Double handle ascender with a special "V" shape for easier and faster ascent. Top protection cover prevents insertion of branches. Large access suitable for use with gloves. A patented cam release system and lever (patented) is housed with the ascender body.

Rope	Length	Width	Weight
10 mm - 13 mm	220 mm	161 mm	500 g



## Quick Step Boot Ascender

Code VCT 2D654D (right) VCT 2D654S (left)

A light, compact and efficient boot ascender with a patented and unobtrusive cam release system housed within the ascender body. Protective sheath on the underfoot webbing. Fully adjustable for correct positioning. Suitable for 11 mm rope, the Quick Step will grip on dirty or icy ropes. Weight 197 g. Size 83 x 65 mm.





## ISC Rope Grabs

Code VISC RP209A (11-13 mm pip pin)  
 VISC RP203 (11-13 mm fixed axle) VISC RP205 (14-16 mm pip pin)  
 VISC RP204 (14-16 mm fixed axl)

Available with fixed axle or in-field detachable pip pin axle to allow fitting to the rope at any point. Two sizes available to suit either 11 mm to 13 mm or 14 mm to 16 mm semi-static ropes. EN 353-2 rated.



## Rocker Rope Grab

Code VISC RP500A

The Rocker can be fitted to the rope at any point and can be used hands-free when ascending or descending. The Rocker has been designed for use without a shock-absorber. The thumb-catch allows the Rocker to be parked on the rope, for work positioning or as a rope access back-up device. The Rocker is fitted with non-aggressive 'rope friendly' cam faces. EN353-2, EN358 & EN12841-A rated. 164 g.



## Roll N Lock

Roll-N-Lock Code VCT 2D625

A compact, ultra-light self jamming pulley with three operational modes: pulley, progress capture pulley and ascender. Ideal for rescue, self-rescue, hauling loads and work manoeuvres where a combination pulley / rope clamp is essential. Openable sheaves with spring operated catch for ascending or hauling. Suitable for 8 to 13 mm rope. Weight 88 g. 20 kN.



## CD10 Rope Adjuster

Code HS-CD10

Economy rope grab for 12 mm synthetic safety rope. Fully openable. Double lock system. Follows you up/down rope.



## Fuji Denko Rope Grab

Code VFJ 12D-7/R

A low cost alternative rope grab suitable for use with three strand polyester or double braid 12 mm rope.



## Rope Tensioner

Code VFJ54HR

For use with 16 mm rope. Ideal for use in temporary high lines. Can be tightened to a force of 2 kN.



## Stop and Go

Code VCT I70812PO

Openable fall device with anti-panic lever. Suitable 12 mm rope and certified with Donaghys 11 mm Response & Response XT. EN353-2.



## SKC for 8 mm Wire Cable

Code VCT I70608PO

Detachable stainless steel fall stop device for 8 mm stainless steel cable. Follows easily but locks in a fall. Weight 380 g.



## SKR Anti Fall Device

Code VCT I70711PO

Detachable all stainless steel fall stop device for 11 mm rope. Easy to mount and remove. Follows easily, locks in a fall. Weight 380 g.



## Traverse 540 Rescue Belay

Code TRAV16-0100 (large) and TRAV16-0200 (small)

The Traverse 540 Rescue Belay is developed specifically to meet the needs of rescue system belays. It is a self-locking device that is able to hold falling loads quickly while limiting the peak force. This well engineered device is easy to rig and the systematic design reduces the risk of improper loading. A built-in release lever reduces the tension on the belay rope, eliminating the need for a release hitch. For use with kernmantle rescue rope. The BCCTR Belay Compliance Drop Test specifications require a 1 m drop of a 280 kg load onto 3 m of 12.7 mm kernmantle rescue rope, with less than 1 m of additional travel and less than 15 kN peak force.



TRAV16-0100 (Large)

TRAV16-0200 (Small)

Code	Rope Size	Weight	MBS
TRAV16-0200 (small)	10.6 mm - 11.5mm	624 g	40 kn
TRAV16-0100 (Large)	11.5 mm - 13 mm	624 g	40 kn

## ALF™ Locking Pulley

Code VISC RP430 ALF (without becket ALF)

VISC RP431 R-ALF (with becket RALF)

A uniquely designed locking pulley system combining an inertia reel/speed sensitive locking system into a grooved pulley wheel. This provides a simple mechanical method of protecting multiple workers in height safety and rescue scenarios or a climb assist system for workers on towers, masts, wind turbines and construction. Uses AS/NZS 4142.3 or EN1891 compliant 11 mm static rope.



With Becket

Without Becket

## LH-ALF Haul Pulley

Code VISC RP433

The new LH-ALF™ has brake-pawls on one side only providing unrestricted hauling speed/movement making it ideal where a user needs to haul quickly, such as when unloading materials from an offshore supply vessel. The LH-ALF™ is for materials handling only as there is no bi-directional braking system. This version is not recommended for use with people.



## Rescue Haulers One-Way Locking

One way locking bearings make these Haulers a complete lifting/lowering rescue tool suitable for the most difficult environments and heaviest loads. A one way needle bearing allows the pulley wheel to turn freely in an anti-clockwise direction but will lock in a clockwise direction. A sliding cam can be activated to prevent loss of rope control. CE approved. Meets NFPA G Rated Equipment. Suitable for ropes up to 13 mm. Also available with non locking pulley.

Code	Description	MBS	Weight
VISC RP702	Single Non Locking	45 kN	600 g
VISC RP704	Single Locking	45 kN	600 g
VISC RP703	Double Non Locking	45 kN	900 g
VISC RP705	Double Locking	45 kN	900 g



## CMC ProSeries CSR Swivel Pulley

For confined space and rescue applications with a locking system that can be unlocked while under load. By eliminating the cam, the pulley system is much more compact when fully collapsed. The compact and integral swivel reduces torque and eliminates the need for multiple connections. Premium components combine to provide exceptional strength..

Code	Sheave Diameter	Sheave Width	MBS	Weight
CMC300345	38 mm	11 mm	36 kn	513 g
CMC300344	38 mm	11 mm	36 kn	408 g
CMC300337	70 mm	13 mm	53.3 kn	1.4 kg
CMC300336	70 mm	13 mm	52.5 kn	1 kg



## CMC Rescue S/S Swivel Pulleys

The swivel pulley is ideal for high anchor points or tripods and the overall length is minimised by combining the swivel with the pulley. The 51 mm x 13 mm stainless steel sheave on the single pulley permits use with rope or wire cable. Pivoting side plate opens without having to disconnect the pulley from the anchor, allowing rope to be quickly inserted or removed.

Code	Sheave Diameter	Sheave Width	MBS	Weight
CMC300430	Single Stainless Steel	General Use	39.4 kn	320 g
CMC300432	Double Aluminium	General Use	43.5 kn	414 g



## ISC Prusik Minding Pulleys

ISC Prusik Minding Pulleys are designed for heavy duty rescue, rigging and hauling systems. The full range consists of sizes small, medium and large. Each size is available in a single or double pulley configuration in aluminium or stainless steel.

### Alloy Plate with Alloy Wheel

Code	Description	MBS	Rope	Sheave	Weight
VISC RP060A1	Small Single	40 kN	13 mm	50 mm	200 g
VISC RP061A1	Small Double	40 kN	13 mm	50 mm	340 g
VISC RP063A1	Medium Single	50 kN	13 mm	62 mm	280 g
VISC RP065A1	Medium Single Becket	50 kN	13 mm	62 mm	300 g
VISC RP064A1	Medium Double	50 kN	13 mm	62 mm	500 g
VISC RP066A1	Large Single	70 kN	16 mm	75 mm	440 g
VISC RP067A1	Large Double	70 kN	16 mm	75 mm	760 g



Alloy

### Stainless Steel with Stainless Steel Wheel

Code	Description	MBS	Rope	Sheave	Weight
VISC RP060D1	Small Single	40 kN	13 mm	50 mm	398 g
VISC RP061D1	Small Double	40 kN	13 mm	50 mm	674 g
VISC RP063D1	Medium Single	50 kN	13 mm	62 mm	584 g
VISC RP065D1	Medium Single Becket	50 kN	13 mm	62 mm	584 g
VISC RP064D1	Medium Double	50 kN	13 mm	62 mm	1036 g
VISC RP066D1	Large Single	70 kN	16 mm	75 mm	896 g



Stainless Steel

## CT Mobile Single Pulley Small

Code VCT L6220003

A light alloy pulley with oscillating side plates. The sheave is mounted on self lubricating bushings. Rope 13mm.

Rope	Length	Width	Depth	Weight	Break Load
<13 mm	74 mm	44 mm	33 mm	94 g	22 kN



## CT Mobile Single Pulley

Code VCT 2P62400

Large light weight alloy pulley with oscillating side plates. Single sheave mounted on heavy duty ball bearings. Up to three connectors can be hooked in to the large eyelet.

Rope	Length	Width	Depth	Weight	Break Load
<13 mm	124 mm	70 mm	28 mm	200 g	32 kN



## CT Mobile single Pulley with Becket

Code VCT 2P62500

Large light weight alloy pulley with oscillating side plates. Single sheave mounted on heavy duty ball bearings. Up to three connectors can be hooked in to the large eyelet plus one connector into the Becket.

Rope	Length	Width	Depth	Weight	Break Load
<13 mm	147 mm	70 mm	48 mm	210 g	32 kN



## CT Mobile Twin Pulley with Becket

Code VCT 2P62600

Light alloy double pulley with oscillating side plates. Twin sheaves mounted on heavy duty ball bearings. Up to three connectors can be hooked in to the large eyelet plus one connector into the Becket.

Rope	Length	Width	Depth	Weight	Break Load
<13 mm	152 mm	70 mm	48 mm	345 g	50 kN



## OG1 Prusik Minding Pulley

Code FWE OG1

The OG1 Prusik Minding Pulley is an invaluable aid for heavy duty industrial rigging or rescue operations. It has an impressive 36 kN load rating with a side opening plate that allows you to access the 51 mm x 13 mm sheave without disconnecting the pulley from its anchor. Connection point can hold up to three 12 mm karabiners. Made from high grade anodised aluminium and stainless steel.

Rope	Length	Width	Depth	Weight
11 mm - 13 mm	180 mm	120 mm	47 mm	950 g



## Forged Alloy Swivel

Code VCT L7950003

This lightweight Forged Alloy Swivel with precision bearings helps in the prevention of severe rope twist. Each eyelet will fit three connectors up to 12 mm diameter. Ideally used in tripod rescue scenarios or hauling systems.



Length	Width	Depth	Weight	Break Load
113 mm	57 mm	30 mm	170 g	40 kN

## CT Twister Alloy Swivel

VCT 2D793

Hot forged light alloy swivel, small and compact, mounted on axial ball bearings. Designed to avoid rope twist when hauling a load..



Length	Width	Eye id	Weight	Break Load
84 mm	43 mm	21 x 25 mm	80 g	24 kN

## Anchor Plates

Code VCT L6370303 (4 holes) VCT L6370503 (8 holes) VISC RP320A (15 holes)

Anchor Plates allow you to create and organise your anchor systems safely. These Anchor Plates are made from high grade aluminium alloy. Anchor Plates are available in four, eight or fifteen hole options.

	Length	Width	Weight	Breaking Load	Hole Diameter
4 Holes	96.5 mm	83 mm	63 g	36 kN	20 mm
8 Holes	149 mm	98 mm	136 g	45 kN	20 mm
15 Holes	249 mm	150 mm	471 g	55 kN	19 mm



## Rescue Figure 8

Code VCT L6170001 (Alloy) , VCT I61700PO (Stainless Steel)

Available in alloy or stainless steel. Our Rescue Figure 8 with ears is ideal for rescue rappelling or lowering heavy loads.

Break load 40 kN.

L 172 mm, W 172.

Weight 250 g (alloy)

Weight 543 g (S/S).



## Rescue Figure 9 Anti-Twist Descender

Code VCT RP130

Attachment eye set at 90°C to remain correctly positioned without twisting. Top spike prevents line cross-over on two-rope system.

Weight 195 g

Break Load 35 kN

Rope 9 mm to 13 mm.



## Scaffold Hook 3 Way Large

Code VUSA S-2500T

A lightweight, triplock, self locking hook with a large 60 mm gate opening and 30 mm attachment point.

Weight 498 g

22 kN.

265 mm tall

117 mm wide



## 3 Way Snap Hook Small

Code VISC SH903 (standard) VISC SH905 (swivel)

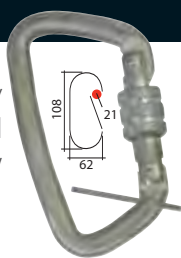
A third action for increased safety with safety heel to reduce accidental opening. Also available with swivel with fall indicator. Weight 108 g (standard) 202 g (swivel) Gate opening 22 mm. 27 kN



### Steel Screw Gate

Code VCT A428TOZO

Classic screw gate karabiner with very high break strength and optional captive bar. Individually tested. New snag free nose and gate.



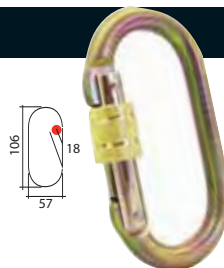
Supplied with individual serial numbers.

Weight	<img alt="Karabiner icon" data-bbox="348 188 402 202"/>
178 g	50 kN

### Steel Screw Gate

Code VISC KH311SG

An economical, oval, screw gate karabiner with a 25 kN capacity.



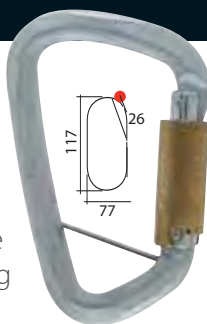
Supplied with individual serial numbers.

Weight	<img alt="Karabiner icon" data-bbox="378 361 432 375"/>
160 g	25 kN

### Steel Triplock

Code VCT A595TBBZO

This steel karabiner is made of hardened zinc plated steel for high performance and enhanced safety. It has a triple action twist lock entry with wide opening gate and optional captive bar. New snag free nose and gate.



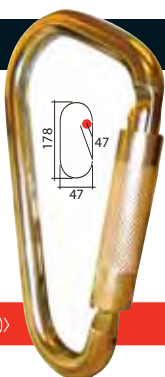
Supplied with individual serial numbers.

Weight	Diameter Bar	<img alt="Karabiner icon" data-bbox="305 564 359 578"/>	<img alt="Karabiner icon" data-bbox="381 564 435 578"/>	<img alt="Karabiner icon" data-bbox="457 564 511 578"/>
267 g	13 mm	50 kN	15 kN	15 kN

### Steel Triplock

Code VISC KH307SSP1

Large steel triplock karabiner with large gate opening which is ideal for attaching to larger anchors. Optional captive bar provided.



Supplied with individual serial numbers.

Weight	<img alt="Karabiner icon" data-bbox="341 736 395 750"/>
steel 330 g	40 kN

### Steel Swivel Triplock

Code VISC KH260SSI1

A steel triplock karabiner with a fall indicator. Swivel feature eliminates potential twisting of line.



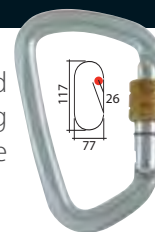
Supplied with individual serial numbers.

Weight	<img alt="Karabiner icon" data-bbox="253 896 307 910"/>	<img alt="Karabiner icon" data-bbox="329 896 383 910"/>
225 g	35 kN	19 kN

### Steel Screw Gate

Code VCT A455TBZO

This high strength, hardened zinc plated steel karabiner has a useful wide opening screw gate entry. New snag free nose and gate.



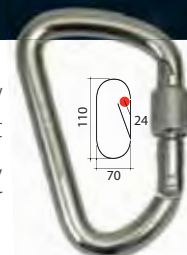
Supplied with individual serial numbers.

Weight	Diameter Bar	<img alt="Karabiner icon" data-bbox="725 188 779 202"/>	<img alt="Karabiner icon" data-bbox="801 188 855 202"/>	<img alt="Karabiner icon" data-bbox="877 188 931 202"/>
253 g	13 mm	50 kN	15 kN	20 kN

### Steel Screw Gate

Code VAUA TM11A

Classic D-shape, steel screw gate karabiner. Perfect for most applications including rescue, industrial, caving, group use or setting anchors for climbing.

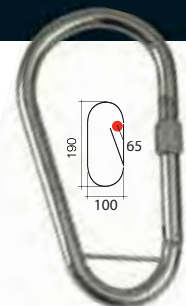


Weight	Diameter Bar	<img alt="Karabiner icon" data-bbox="735 361 789 375"/>	<img alt="Karabiner icon" data-bbox="811 361 865 375"/>	<img alt="Karabiner icon" data-bbox="887 361 941 375"/>
230 g	12 mm	35 kN	10 kN	10 kN

### Steel Screw Gate

Code VAUA TX11S

Large pear shaped steel screw gate karabiner with captive bar and large offset gate opening. The large, easy to use gate opening is perfect for clipping scaffold or ladder steps.

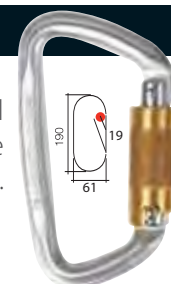


Weight	Diameter Bar	<img alt="Karabiner icon" data-bbox="795 564 849 578"/>	<img alt="Karabiner icon" data-bbox="871 564 925 578"/>	<img alt="Karabiner icon" data-bbox="947 564 1001 578"/>
460 g	13 mm	25 kN	12 kN	6 kN

### Steel Triplock

Code VCT A430TBZO

A compact, lightweight, hardened steel karabiner with a 50 kN rating and triple lock gate. New snag free nose and gate. Optional captive bar provided.



Supplied with individual serial numbers.

Weight	<img alt="Karabiner icon" data-bbox="651 736 705 750"/>	<img alt="Karabiner icon" data-bbox="777 736 831 750"/>	<img alt="Karabiner icon" data-bbox="853 736 907 750"/>
195 g	50 kN	15 kN	15 kN

### Stainless Steel Swivel Triplock

Code VISC KH251SSI1

A stainless steel triplock karabiner with a fall indicator. Swivel feature eliminates potential twisting of line.



Supplied with individual serial numbers.

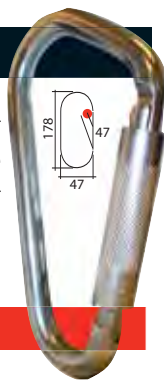
Weight	<img alt="Karabiner icon" data-bbox="671 899 725 913"/>	<img alt="Karabiner icon" data-bbox="797 899 851 913"/>
330 g	35 kN	19 kN

### Stainless Steel Triplock

**VISC KH307SSP3**

Large stainless steel triplock karabiner with large gate opening. The large gate opening is ideal for attaching to larger anchors. Optional captive bar provided.

*Supplied with individual serial numbers.*



Weight	
330 g	40 kN

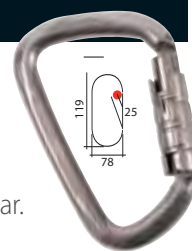
### Stainless Steel Triplock

**VCT I46500PO ASS Stainless Steel Gate.**

**VCT I46500PO BSS Brass Gate**

Available S/S or brass gate. Extremely versatile product for use in hostile environments. Supplied with captive bar.

*Supplied with individual serial numbers.*



Weight	
278 g	35 kN

### Alloy Triplock

**Code VCT2C4650CXSACT001**

A large, alloy, triplock karabiner supplied with a captive bar. Wide opening gate with catch free locking and an excellent breaking strength. Made from anodised light alloy.

*Supplied with individual serial numbers.*



Weight			
101 g	30 kN	8 kN	11 kN

### Alloy Screw Gate

**Code VAUA KW11AM**

This is a great alloy rescue karabiner. Features lightweight alloy design, large D-shape with wide gate opening and large, easy to use screw gate barrel.



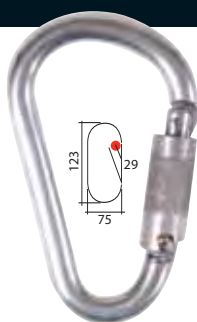
Weight			
75 g	33 kN	9 kN	12 kN

### Alloy Triplock

**Code VCT L4131201**

A lightweight, alloy, triple action karabiner with a pear shaped profile that allows a large 29 mm gate opening.

*Supplied with individual serial numbers.*



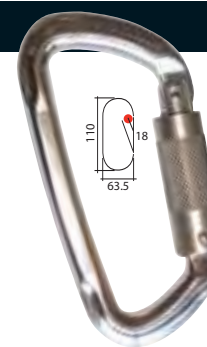
Weight			
98 g	27 kN	9 kN	7 kN

### Alloy Triplock

**Code VCT L5300001**

Extra light, drop forged alloy karabiner with triple action gate opening.

*Supplied with individual serial numbers.*



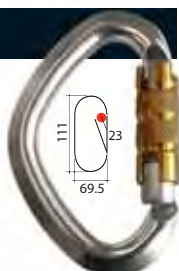
Weight	
79 g	30 kN

### Alloy Triplock

**Code VCT 2C42300**

A lightweight, c-shaped alloy karabiner with triplock gate opening. Ideal for situations where a three way load is exerted.

*Supplied with individual serial numbers.*



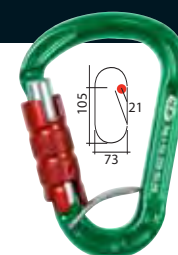
Weight		
133 g	20 kN	15 kN

### Alloy Triplock

**Code VCT 2C3390**

A lightweight alloy karabiner with triplock entry. Manually operated, spring loaded captive bar. Snag free system

*Supplied with individual serial numbers.*



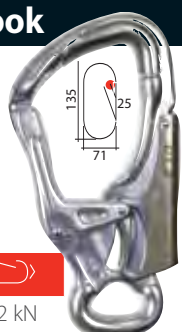
Weight			
83 g	23 kN	10 kN	8 kN

### Alloy Double Action Hook

**Code VCT 2C37300**

Lightweight and durable with a stainless steel insert for wear proof use on wire cable. Easy handling with gloves.

*Supplied with individual serial numbers.*



Weight			
127 g	30 kN	12 kN	12 kN

## Maillon Rapide Standard

The Maillon Rapide Standard is extremely strong when loaded along the long axis. Suitable for anchor and rigging connections.



Code	Size mm	Length mm	Gate Opening mm	Thread Diameter mm	Work Load kg
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Standard - Zinc Plated Steel

VMR STS04	4	39.5	5.5	6	180
VMR STS06	6	57	7.5	9	400
VMR STS08	8	74	11	11	700
VMR STS10	10	89	12	13	1100
VMR STS12	12	104.5	15	15	1500

Standard - Stainless Steel

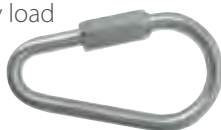
VMR STSS08	8	74	11	11	1100
VMR STSS10	10	89	12	13	1800
VMR STSS12	12	104.5	15	15	2500

Standard - High Strength Alloy

VMR STA10	10	89	12	13	2500
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## Maillon Rapide Pear

Ideal in situations where a three-way load is exerted. Also used for climbing rope, anchors and harness-to-chest harness connectors.



Code	Size mm	Width mm	Length mm	Gate Opening mm	Thread Diameter mm	Work Load kg
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Pear Shaped – Zinc Plated Steel

VMR PS08	8	53	100	17.5	11	480
VMR PS10	10	63	118	20.5	13	720

## Maillon Rapide Twist

Fitted with a 90 degree twist, the Maillon Rapide Twist is ideal for smoother PPE connections in industrial safety, fall arrest systems, work restraint, work positioning, rope access as well as in mountaineering and climbing.



Code	Size mm	Width mm	Length mm	Gate Opening mm	Thread Diameter mm	Break Strength kN
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Twist Zinc Plated Steel

VMR STSTW07 (Standard)	7	33	66	16	10	27.5
VMR LOSTW08 (Large Opening)	8	36	88	17.5	11	32

## Maillon Rapide Twist

Code VCT I70908PO (80 mm), VCT I70910PO (100 mm), VCT I70914PO (140 mm)

Available in three different sizes to suit 80 mm, 100 mm or 140 mm scaffold or pipe. Constructed from one-piece stainless steel giving it a high overall strength 15 kN.



## Maillon Rapide Delta

Ideal in situations where a three-way load is exerted. Also used for climbing rope, anchors and harness-to-chest harness connectors.



Code	Size mm	Width mm	Length mm	Gate Opening mm	Thread Diameter mm	Work Load kg
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Delta - Zinc Plated Steel

VMR DS04	4	35.5	40	5.5	6	100
VMR DS06	6	47	56	7.5	9	250
VMR DS08	8	56	73	10	11	550
VMR DS10	10	66	87	12	13	900
VMR DS12	12	75	104	15	15	1100

Delta - Stainless Steel

VMR DSS10	10	66	87	12	13	1250
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Delta - High Strength Alloy

VMR DA10	10	66	87	12	13	350
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## Maillon Large Opening

The wider mouth opening makes connecting easier. Suitable for anchor and rigging connections.



Code	Size mm	Length mm	Gate Opening mm	Thread Diameter mm	Work Load kg
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Large Opening – Zinc Plated Steel

VMR LOS07	7	79	16	10	500
VMR LOS08	8	88	17.5	11	650
VMR LOS10	10	105.5	20.5	13	1 000
VMR LOS12	12	124	23.5	15	1250
VMR LOS16	16	161	29.5	19	2500

Large Opening – Stainless Steel

VMR LOSS08	8	88	17.5	11	980
VMR LOSS10	10	105.5	20.5	13	1600
VMR LOSS12	12	124	23.5	15	2200

## Maillon C Shape

Commonly used when connecting sit and chest harnesses.



Code	Size mm	Length mm	Gate Opening mm	Thread Diameter mm	Work Load kN
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C Shape – Zinc Plated Steel

VMR CS10	10	86	10	13	10 kN
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C Shape - High Strength Alloy

VMR CA10	10	86	10	13	10 kN
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## Ferno Rescue Personal Lanyard (PAL)

Code Vas DAISY ADJ

The Ferno Rescue Personal Lanyard allows a rescuer to quickly connect to a victim and then adjust the strap to the desired length. It works well for positioning the victim for a lowering or rappel-based pick off or for an assisted rappel. There is an added loop to the end for a more positive grip when pulling to adjust. Depending on how the buckle is loaded, it will begin to slip between 15 kN to 20 kN. Tying off the buckle will increase strength.



## Ferno Industrial Daisy Chain

Code Vai DAISY H/D BLK

The Ferno Industrial Daisy Chain is ideal for positioning the casualty during work operations and is a must for all Rope Access and Rescue Technicians. A total length of 1.1 m with an end to end rating between 15 kN to 20 kN (load angle dependent). Each unit comes with 10 x 60 mm attachment loops and is made from durable 25 mm flat polyester webbing. Each loop rated to 5 kN.



## Rope Savers

(1) VARB RS1500 - Rope Saver 1500 mm Red, (2) VARB RS1800 - Rope Saver 1800 mm Fluoro Yellow, (3) VARB RS900 - Rope Saver 900 mm Red, (4) VARB RS1200 - Rope Saver 1200 mm Blue, (5) VARB RS600 - Rope Saver 600 mm Fluoro Yellow

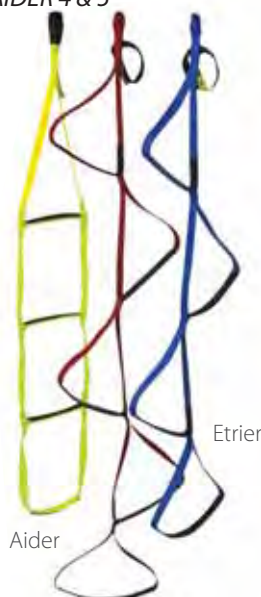
Ferno Rope Savers are available in a variety of sizes and include two different sized steel rings connected to heavy-duty, industrial rated polyester webbing. Ferno Rope Savers minimise damage to the tree and provide consistent friction on the climbing rope.



## Etrier and Aider Four and Five Step

Code Vas ETRIER 4 & 5 and Vas AIDER 4 & 5

The Etrier and Aider Four and Five Step are ideal for rescue, rope access and recreational aid climbing. The 25 mm flat polyester webbing and dense vinyl stiffening ribs remain rigid for years, ensuring ease of foot placement and superior abrasion resistance.



## Throw Bags

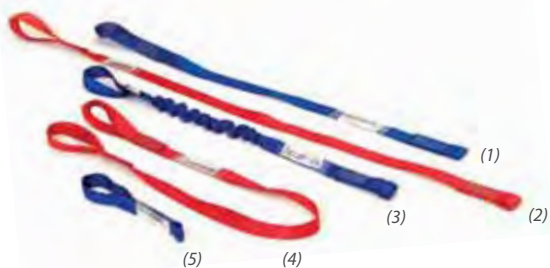
Code VARB TB 250, VARB TB250 D (Dipped), VARB TB400 and VARB TB400 D (Dipped)

These hard wearing, rip resistant throw bags are filled with either 250 g or 400 g of lead shot. Each Throw Bag includes a 2.5 cm steel ring for attachment to throwing line. Also available with white heavy-duty rubber dip for increased wear resistance and longer life as well as offering greater visibility (colour may vary from shown).



## Tool Strops

Ferno offer standard tool strops (tool lanyards) as well as elasticised and tearaway versions. The tearaway strop is constructed with a safety strap that is designed to absorb the force or shock load of a chainsaw. The safety strap will begin to tear when approximately 30 kg or greater of force is applied. Available in an elasticised version that reduces the length of the strop.



Standard and Elasticised

- (1) VARB TS 900 - Tool Strop Basic 900 mm Blue
- (2) VARB TS 1200 - Tool Strop Basic 1200 mm Red
- (3) VARB TS 900 EL - Tool Strop Basic Elastic 900 mm Blue
- (4) VARB TS 2LL - Tool Strop 2 Loop 1200 mm Red
- (5) VARB TS MINI - Tool Strop Basic Mini Blue



Tearaway: Standard and Elasticised

- (1) VARB TS T/A 1200 - Tool Strop Tearaway 1200 mm Red
- (2) VARB TS T/A 900 - Tool Strop Tearaway 900 mm Blue
- (3) VARB TS T/A EL - Tool Strop Tearaway Elastic 1200 mm Red

## Safe Spring Hook

Code EB-STL

Coiled, plastic coated stainless wire extends from 430 mm to 1600 mm and prevents tools accidentally falling. Supplied with various attachments for varying tools configurations.

5 kg load weight.

Minimum order quantity of 12.



## Tool Retention Safety System

Code VPPS 90290

The Tool Retention Safety System attaches to a harness via a belt slot and houses a 1.25 m retractable nylon cord with a quick connect buckle to attach to tools and gear to prevent accidental droppage.

WLL 1.5 kg

Weight 125 g

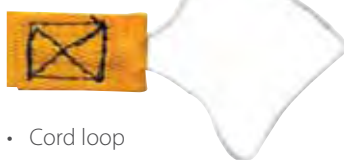


## Tool Wrist Loops

Code VFM-WL10, HS-WL15

Reduce the risk of dropped tools and equipment. Developed to secure hand tools and other equipment where work must be carried out over other workers or public spaces. Approximately 300 mm in length to end of string once attached to wrist.

HS-WL10



- Cord loop
- Adjustable wrist band
- Washable

HS-WL15

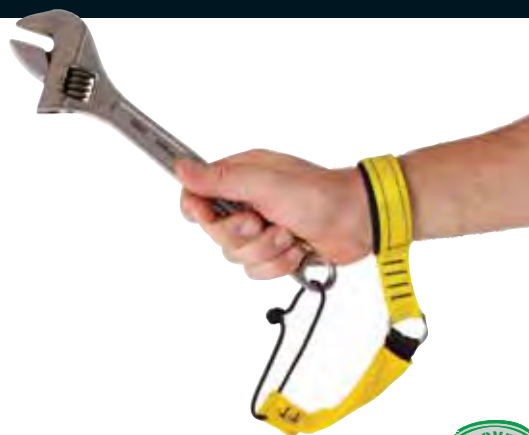


- Metal snap clip
- Swivel hook
- Adjustable wrist band



## Break-Away Tool Lanyard

Designed to withstand as well as release from static and impact force. If a tool is dropped or caught on a stationary object or in moving machinery, the weak link severs but remains intact.



Description	Tool Drop Force	Break-Away Force
Break-Away Tool Lanyard 40kg	1 kg	40 kg
Break-Away Tool Lanyard 80kg	2kg	80 kg

## Ferno Shotbag

Code VKIT THROW BAG

The Ferno Shotbag consists of a dipped throw bag attached to 30 m of cord all housed in a convenient storage bag.



## Ferno Tool Frog Set

Code VAI FROGS

Designed to hold an array of rope access or building tools on your harness. Incorporates a large back pad that prevents tools clashing with the harness or user. Supplied as a pair.



## Harness Assist

Code "VFM-HA"

The Harness Assist will retrofit to any harness and is designed to and minimise the effects of suspension trauma. In the event of a fall an adjustable twin foot loop is manually deployed allowing the user to stand and transfer their weight directly to the anchor point greatly relieving pressure from the harness – one of the major contributing factors to suspension trauma symptoms. Weight: 150 g.



Retrofits to harness



Manually deploys



## Ferno Bosun's Chair

Code VAI BOSUN L/W

A lightweight chair for workers suspended for extended periods of time. Adjustable arms, multiple gear loops and a padded seat area provides optimum and comfortable work positioning. Reflective fabric provides great night time visibility. Only to be used in conjunction with a complete fall arrest system. 1.5 kg.



### ISC Edge Roller

Code *VISC ER100A*

The ISC Edge Roller protects ropes from damage when working over sharp or abrasive edges. The system is fully modular, consisting of edge roller boxes made from pressed and powder coated aluminium and steel oval maillons which can be easily and quickly linked together to form a chain of whatever length is appropriate for the task. Each box assembly weighs 460 g and consists of one box and two maillons. Each box has a series of rollers which protect ropes in three directions but allow the rope to run smoothly with minimal friction.

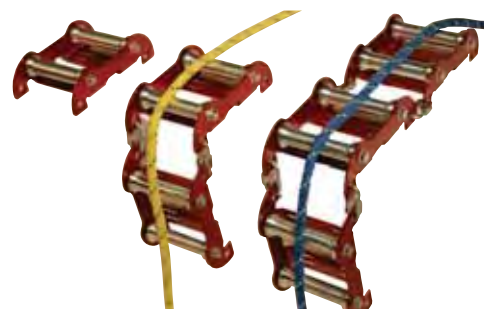


### Rescuetech Multi-Unit Edge Roller

Code *RT-611111 (1 Unit), RT-611112 (2 Units),*

*RT-611113 (3 Units), RT-611114 (4 Units)*

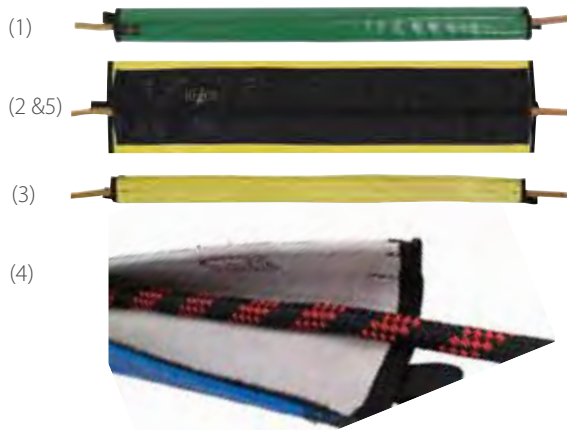
A low profile edge protection device featuring an alloy aluminium frame and rollers. Can be used as a single unit or paired up with multiple units to provide large area protection. Units link together with the included rapid links or may be tied using flat webbing to provide long range protection.



### Rope Protectors

Ferno provide various styles of rope protectors that prevent rope damage on sharp, abrasive or dirty edges and help prolong the life of your rope and slings. Available in heavy-duty, flat or in a lighter duty wraparound. For additional security a Kevlar lined version or internal leather version are available for aggressive edges or when repeated sideways movement is anticipated.

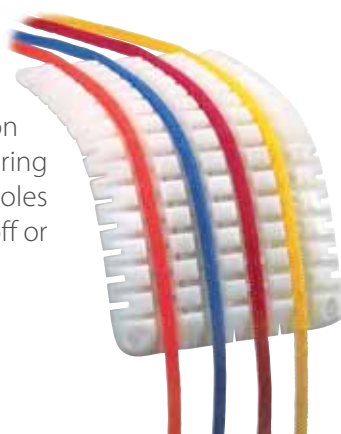
- (1) *VAS ROP PROT - Light duty*
- (2) *VAI ROP PROT IND FLAT - Flat*
- (3) *VAI ROP PROT IND WRAP - Wraparound*
- (4) *VAI ROP PROT LEA - Leather Wraparound*
- (5) *VAI ROP PROT KEVLAR - Kevlar Flat*



### Ultra-Pro Edge Protector

Code *CMC294042 (2 Edge Protector) and CMC294044 (4 Edge Protector)*

Conforms to the edge but prevents sharp bends in the rope, reducing friction and wear. Ideal during hauling operations. Holes in all corners allow tie off or linked together.



### Ferno Industrial Rope Protection Mat

Code *VAI ROP PROT MAT*

Numerous, flexible full length hinges allows conformity to most edge contours. Corner eyelets provide good tie off and low friction vinyl assists with rope glide while the underside is made with heavy duty nylon. 70 x 60 cm.



## Engel Hot Knife

Code VDPS G4480000 (knife), VDPS G4480001 (blade)

A hot knife/rope cutter for rope and web. This electric handheld unit cuts and fuses the ends of polyester and nylon ropes and webbing. Blade sold separately.



## Rope Measurer

Code DONA-PRP9058M

This rope measurer quickly and accurately measures cordage from 4 mm to 19 mm diameter. Counter reads up to 3050 m. Supplied with mounting bracket.



## Bokat Rope Washer

Code CMC294060

Cleans rope with a combination of water pressure and brushing action. Clamps over the rope and velcro closures allow adjustment to rope size for maximum efficiency. Lined with Astroturf which scrubs the rope as it is pulled through the washer. For use with ropes up to 19 mm in diameter. For optimum rope cleaning, pre-soak rope in Ferno Rope and Harness Wash.



## Ferno Rope and Harness Wash

Code VAS WASH (500 ml bottle) and VAS WASH 20 (20 L container)

A highly concentrated, blue liquid that is recommended for use with industrial harnesses, access, rigging and lowering ropes. Ferno Rope and Harness Wash is environmentally friendly, bio-degradable and does not contain any phosphates, bleaches or fragrances. It is low foaming, free rinsing with excellent soil removal properties. Available in a 500 mL bottle or 20 L bulk container.



## Rope Finishing

Ferno can manufacture rope components to individual specifications including splicing of both standard and double braid synthetic rope along with quality sewing of kernmantle rope with an array of plastic, stainless steel and galvanised steel thimble fittings to ensure a perfect custom solution.



## Rope Safety Lines

Hi-Safe Rope Safety Lines are available in 11 mm sewn end kernmantle rope in a variety of lengths. All safety lines are finished with a thimble eye and can be supplied with an array of hardware options or supplied with thimble only. Break force in excess of 25 kN.

Code	Product Detail
HS-NARROPLAN H (+ length in m)	Kernmantle with double action hook
HS-NARROPLAN K (+ length in m)	Kernmantle with screw gate karabiner
HS-NAR ROP LAN (+ length in m)	Kernmantle rope only

Note other lengths and end fittings on request.



## Arresta Static Kernmantle Rope

Arresta Static Kernmantle Rope is a fully imported, economical rope constructed with a braided polyester outer surrounding a nylon kernmantle core. Available in a variety of colour ways including high visibility with reflective fleck. 11 mm, 13 mm and 16 mm diameter. Meets AS 4142.3 and EN 1891:1998



## Response® XT

Response XT has been designed for your ultimate safety. It is the premium safety and emergency high strength rescue line with minimal stretch. Available in 11 mm and 13 mm diameter. Certified to AS/NZS 4142.3, ANSI Z-133 and EN 1981 standards.



## Response® Static Line

Response Static Line is characterised as supple for handling, coiling and providing superior feel and control when used with certified hardware in any abseil, belay or static descent application. Available in various colour options in 9 mm, 11 mm, 13 mm and 16 mm AS/NZS 4142.3 and EN1891 compliant.



## All Purpose Grab Bag

Code *VBI CARRY*

This multi-purpose bag is ideal and large enough for storing your harness and all related gear to make up your own kit. A handy daisy chain is located inside the zipper opening for convenient storage of karabiners and other gear. Available in a variety of colours: maroon, black, red, yellow and blue.



## Expedition II Duffel Bag

Code *VBS EXP 2 HD*

The Expedition II Duffel Bag is a sizeable bag with a 75 L capacity that is made tough to carry rescue, industrial or climbing gear. This bag is made from 1680 denier nylon with integral shoulder and carry straps and is a favourite from our outdoor range.

Dimensions: L 750 mm x W 300 mm x H 200 mm



## Ferno Haul Bag

Code *VBI HAUL IND L (Black Leather), VBS HAUL 200 C (Black Cordura), VBI HAUL IND (Yellow Vinyl)*

Tough and hard wearing bag with an impressive 90 L gear capacity. The Haul Bag features oversized haul loops, heavy duty back pack straps and two separate pull tight draw strings to secure its load. Four D-rings around the base help stabilise the load during long distance hauling. Tested to 250 kg. Available in leather or 1680 cordura.





## Gear Bag

Code VARB GB

A universal, heavy-duty Cordura bag with robust handle and draw-string top. Self supporting but still capable of collapsing for storage. Dimensions: L 150 mm, W 150 mm, D 150 mm



## Industrial Backpack

Code VBI FERNOBACKPACK

An economical, no fuss backpack that features water resistant zip closures and three uncomplicated compartments offering great storage options for personal or essential gear. The large compartment area also includes an internal divider for documents or water bladder storage.



## Multi Pouch

Code VRES MULTI POUCH

The Multi Pouch is an ideal bag for the convenient storage of all rope and rescue gear. The clear faced pouches provide an uninterrupted view of all equipment, assisting in quick identification and deployment. The Multi Pouch is made from tough 1000 denier nylon. Each Multi Pouch features integral carry handle and backpack straps. The Multi Pouch has been a favourite with emergency services personnel for many years.



## Ferno Rope Bags

Code VBS HIVIS (Heavy-Duty), VBS ROP BAG (Standard)



The Ferno Heavy-duty Rope Bag keeps your rope conveniently stowed, ready for transportation and quick deployment. It comes with a carry handle, backpack straps, pull tight throat closure and is made from 1000 denier vinyl. Available in 50 m, 100 m, 150 m and 200 m sizes.

The Standard Rope Bag is available in 50 m, 100 m, 150 m and 200 m sizes and is made from 1000 denier cordura. This version comes complete with a single shoulder strap only.

Bag	Dimensions	Bag	Dimensions
50 m	H 560 mm x D 240 mm	150 m	H 680 mm x D 300 mm
100 m	H 700 mm x D 240 mm	200 m	H 850 mm x D 300 mm



Ferno Heavy-duty Rope Bag

Ferno Standard Rope Bag

## Ferno Snake Sling Rope Bag

Code VBI SLINGBAG

Common industrial components have been merged to create the versatile Ferno Snake Sling Rope Bag. The backpack strap is a removable 30 kN, 1500 mm, flat snake sling complete with 2 alloy, triplock, 23 kN karabiners that can be used to form a temporary anchor point or used directly to haul goods. Five gear loops are positioned on the front of the bag along with a PVC sleeve for documents or personal gear. Made from tough 1000 denier vinyl with a reinforced base for heavy lifts. Two pull tight throat closures provide added protection. Carries 100 m of rope. H 700 mm x D 240 mm.



### Ringers Authentic Glove

Code RING-133

A multi-purpose glove with a hook and loop wrist strap. Features a snug fit design, unique split palm, Clarino® finger and palm patches, tough spandex top material and hidden seams which provide comfort and feel. Available in S, M, L and XL.



### Ringers Rope Rescue Glove

Code RING-353

Provides optimum grip and control in inclement weather and a snug fit with effective dexterity. Velcro secure elastic closures and Kevlar stitching along uniquely designed gel pads in conjunction with finger and palm patches, ensuring optimum rope control and hand protection. Available in S, M, L and XL.



### CT Glove Half

Code VCT 7X980 (AA, AB, AC, AD) M L XL XXL Half Finger,

A comfortable leather glove that offers enhanced hand protection from rope friction. The moisture wicking properties are enhanced by the perforated top leather surface. Exposed fingers provide normal finger dexterity and feel. Half Finger 100 g.



### X-Work Safety Helmet

Code VCT 6X94407 (white) VCT 6X94401 (orange)

The X-Work Safety Helmet is comfortable and light weight with a high impact absorbing capacity making it ideal for all day use. Simple one hand sizing adjustment and a removable chin strap allows the helmet to be used on ground or working at height. Reduced peak visor for a superior visibility and aeration holes for ventilation. Head lamp clips and hearing protection slots Weight 370 g, Size range 54 cm to 62 cm EN 397 Industrial Helmet Standard Approved



### Work-Shell Helmet

VCT 6X94507 white.

Light and comfortable for long work shifts. High impact absorbing capacity, great vision capacity and turn knob head strap for accurate adjustment and emergency chin strap release if snagged. Head lamp clips and compatible with Peltor and Sperian earmuffs. Optional polycarbonate clear visor available (Code VCT 6X9410C) One size 53 cm to 62 cm. 345 g. EN 397:2001



### The Vertical Sunbrero

Code VAS SUNBRERO

Fits over your helmet and extends beyond the rim to block 100% of UV rays and to stop glare and sun from your face, ears and the back of your neck. Made of durable, cordura nylon, the Sunbrero has an elastic band that grips to the helmets and secures to the headlamp retainer clips.





## Cool Vest RPCM Technology



Heat is part of the job, but it does not have to be part of your life, RPCM Cool Vests provide cooling relief and are suitable for anyone working in warm to extreme temperatures. The cooling properties help you maintain a level head, keep comfortable, and help you retain some energy when you end your work day and head home to the family. The RPCM Cool Vest weighs less than 2.3 kg and maintain a constant and cool 15 C for up to 2.5 hours in ambient temperature of up to 38 C. Cool packs are dry and do not produce condensation leaving you cool, dry and comfortable. RPCM Cool Vests recharge in only 20 minutes in ice water or 30 minutes in the fridge or freezer. The contents are completely non-toxic, non-flammable, safe and environmentally friendly.

### Classic RPCM Cool Vest

Code *GT-SCV-RB*

The Classic RPCM Cool Vest is hard wearing cotton twill with over the shoulder and side strap adjustment with a heavy-duty front zipper providing maximum ergonomic comfort. Includes RPCM Cool Pack Set. Available in Blue or Desert Camo



### High Visibility RPCM Cool Vest

Code *GT-SCV-YR (lime green) and GT-SCV-OR (orange)*

Ideal for use where high visibility work wear is required. The High Visibility Cool Vest conform s to AS-4602 and features over the shoulder and side strap adjustment with a heavy-duty front zipper providing maximum ergonomic comfort. Includes RPCM Cool Pack Set.



### Fire Retardant RPCM Cool Vest

Code *GT-SCV-FR*

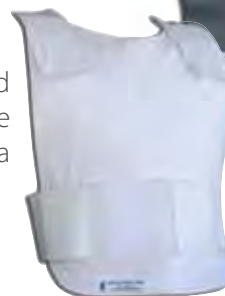
Constructed from hard wearing, fire retardant materials for welders or hot work applications. Features over the shoulder and side strap adjustment with a heavy-duty front zipper providing maximum ergonomic comfort. Includes RPCM Cool Pack Set.



### Concealable RPCM Cool Vest

Code *GT-CV265WV*

The Concealable RPCM Cool Vest is designed with concealment in mind and can be worn under regular street clothes. Made with white, machine washable fabric it feature side elastic straps and over-the-shoulder adjustability to fit a wide range of body sizes. Includes RPCM Cool Pack Set.



### RPCM Cool Pack Set of Four

Code *GT-RSPS15XX*

RPCM Cool Packs come in sets of four, they can be completely recharged in ice water in only twenty minutes or in a refrigerator or freezer in thirty minutes. RPCM Cool Packs are an ideal source of temperature relief as they can maintain a 15° C temperature as long as any portion of the phase change material remains solid.



### RPCM Chilly Dog

Code *GT-RCCD15XX-A (Chilli Dog Vest and RPCM Packs) and GT-RCCD15XX-B (Chilli Pup Vest and RPCM Packs)*

The RPCM Chilly Dog is a powerful cooling device originally designed for defence and law enforcement working dogs. The RPCM Chilly Dog has adjustable buckles and strapping around the chest to ensure a secure and comfortable fit for all sizes of working and domestic dogs. It is available in two sizes.



## Ferno SURFACElok™ Permanent Anchor\*

Code FWESL

The Ferno SURFACElok™ is a unique and versatile anchor system made from stainless steel for durability, longevity and aesthetic appeal. Its 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° 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 TOPllok™ Permanent Anchor\*

Code FWETL

The Ferno TOPllok™ is made from stainless steel for durability, longevity and aesthetic appeal. Its high profile allows clearance for deep roof cladding designs. The Ferno TopLok is supplied with the ANCHORsafe Shock Limiter, a 360° 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 TOPllok™ 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° for uninterrupted access
- Absorbs the shock load in the event of a fall
- Compatible for deep 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 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° 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° 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

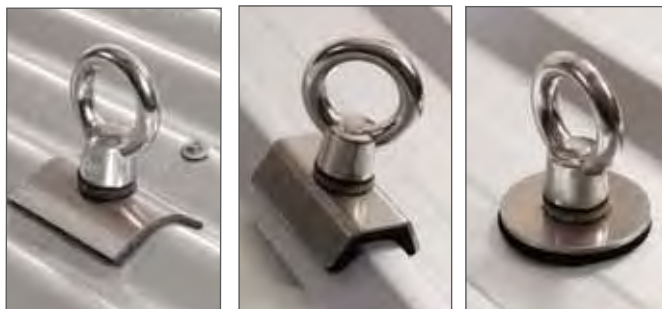


## Hi-Safe RA10 Permanent Anchor\*

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 15 kN "Fall Arrest" for single person use

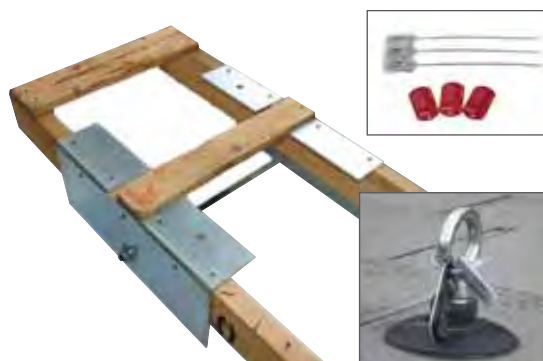


## Hi-Safe RA45 Permanent Anchor\*

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



## Roof Anchor Strop

Code FER-RAS (Size)

Provides a critical restraint point during entry and exit from a ladder to a roof or elevated area which is often the most dangerous time. Custom lengths made to specific roof access requirements. Stainless steel construction (Anchor not included).



## Ferno EDGElok™ Temporary Anchor \*

Code FWEELE (Optional large cladding insert FWEELE-LEX)

The standard Ferno EDGElok allows multi-depth adjustment to suit varying roof cladding profiles. An optional cladding insert provides the user with the ability to fit the Ferno EdgeLok onto larger 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 is constructed primarily of high grade alloy with some stainless steel construction. 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 common roof cladding profiles
- Optional large cladding insert for larger roof profiles
- Light weight and collapsible (3.1 kg)
- Easily transported from job to job for repeated use
- Incorporates an energy absorbing arm with fall indicator
- Meets the requirements of the AS/NZS1891.4
- Rated at 15 kN fall arrest for single person use



EDGElok with Optional Large Cladding Insert



EDGElok with Standard Insert



## Ferno ROOFlok™ Temporary Anchor System\*

Code FWERF

The Ferno ROOFlok is lightweight and compact allowing it to be moved from job to job. It is easy to attach to most roofs using the supplied screws and Fablok fittings. The ROOFlok is supplied with the ANCHORsafe Shock Limiter, a 360° 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.



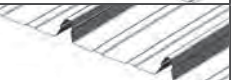

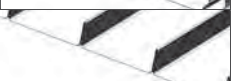







- Supplied with ANCHORsafe Shock Limiter
- Swivels 360° for uninterrupted access
- Absorbs the shock load in the event of a fall
- Easy to attach using supplied screws and fabloks
- Can be moved from job to job
- Lightweight and compact
- Stainless steel construction for durability
- Rated at 15 kN "Fall Arrest" for single person use
- Meets the requirements of AS/NZS1891.4
- Easily installed using standard drill bits and drivers (no riveting tools required)



Fablok fitting

# Roof Anchor Fitment Matrix

(Note this matrix is a guide for profile widths) \*\*

Profile	Image	Manufacturer	Ridge Height (mm)	Space Between Profile Ridges (mm)	Surfacelok	Rooflok	Toplok	Edgelok
Customorb		Lysaght	16	76	✓	✓	✗	Standard Version
Flatdek		Lysaght	43.6	242	✗	✗	✓	With Large Insert
Klip-Lok 406		Lysaght	40	203	✗	✗	✓	With Large Insert
Klip-Lok 700		Lysaght	40/43	233	✗	✗	✓	With Large Insert
Longline 305		Lysaght	48	152.5	✗	✗	✓	With Large Insert
Spandek		Lysaght	24	87.5	✓	✓	✗	Standard Version
Trimdek		Lysaght	29	190.5	✓	✓	✗	Standard Version
Corrugated		Stratco	15	76	✓	✓	✗	Standard Version
Prodek		Stratco	49	217.4	✓	✓	✗	With Large Insert
Smartspan		Stratco	24	87.5	✓	✓	✗	Standard Version
Superdek		Stratco	27.1	190.5	✓	✓	✗	Standard Version
Topdek 700		Stratco	42	233.3	✗	✗	✓	With Large Insert

\*\* Note: the roof anchors have been tested on a range of steel roofing profiles with a base metal thickness of 0.42mm. This fitment advice is given as a guide only. Due to the wide range of roofing profiles, fixing methods of general roof profiles and roofing frame structures, it is up to the the installer to ensure the suitability of the roof structures strength.

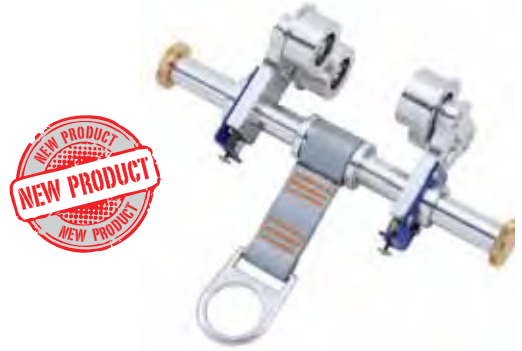


## Ferno Roller "I" Beam Anchor

Code FWE-YAA005

Ferno's Roller Beam Anchors connect to a wide range of I and H beam flanges from 76 mm to 300 mm wide and up to 30mm thick. Once attached the Roller Beam Anchor rolls across the beam following you as you work. Quick and easy to install and easily removed if required at other sites.

Manufactured from high grade anodised alloy and rated to 15kN single person fall arrest.

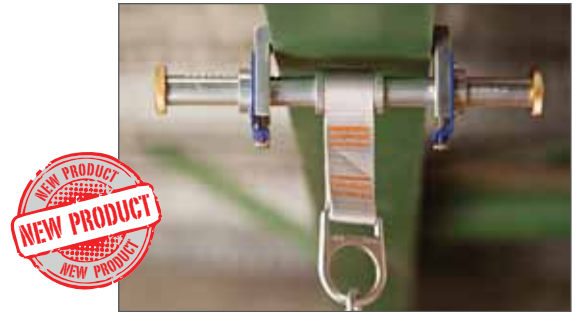


## Ferno Fixed "I" Beam Anchor

Code FWE-YAA001

Ferno Fixed I Beam Anchor connects to a wide range of I and H beam flanges from 80 mm to 295 mm wide and up to 30 mm thick. Once attached the I Beam Anchor provides a secure anchor point for safe work at heights.

Manufactured from high grade anodised alloy and rated to 15kN single person fall arrest.



## Ferno Fixed "I" Beam Anchor

Code FWE-YAA003

Ferno Fixed I Beam Anchor connects to a wide range of I and H beam flanges from 125 mm to 375 mm wide and up to 30 mm thick. Once attached the I Beam Anchor provides a secure anchor point for safe work at heights.

Manufactured from high grade anodised alloy and rated to 15kN single person fall arrest.





## Vertical Checkrail Rail System

Checkrail is a multiple length rail system that is simple to install and suits new or existing ladders including single & multi-level ladder and platform access, marine, commercial & heavy industrial structures as well as wind industry applications. Checkrail includes a lightweight VR fall arrester trolley featuring a snag free, easy glide action complete with gravity and dynamic brake. The rail has an entry exit gate way for access mid-system.

The extruded alloy rail is designed with a 'T' slot in the back for easy alignment during installation and unlimited fixing along the entire rail section with optional end stops at top and bottom. With minimal system components and industrial anodised finish, Checkrail is a low maintenance, long-term solution ideal for aggressive environments. Available in 4 m, 3.5 m, 2.5 m & 1.5 m. (rail weight 3.5 kg / m)

Standards: EN353-1 AS/ NZS 1891.3:1997.



VR Trolley with Absorber



T Bolt Rung Attachment



VR Easy Access Gate



Splice Join



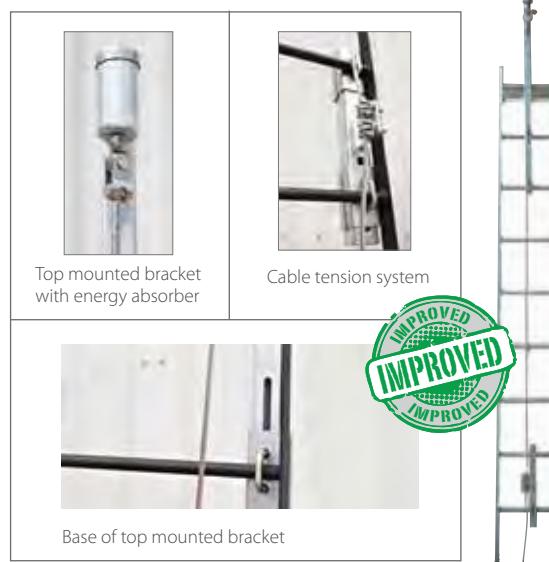
Rail End Cap

## Climb Safe Ladder System

Code HS-CS

Climb Safe is an innovative system that attaches onto existing and new ladders providing a continuous attachment point for ascending and descending. Simply attach the optional CS1000 cable runner with energy absorber to your safety harness and the user can move freely and safely up or down the ladder. Once installed the Climb Safe Ladder System is a permanent fixture with a top & bottom mount anchor and bracket. Available in type 1 or type 2 versions, both supplied in kit form with instructions ready for assembly.

Type 2 is supplied with a bottom cable tensioner. Type 1 is supplied with bottom bracket and cable U bolts enabling installation without a crimping tool.

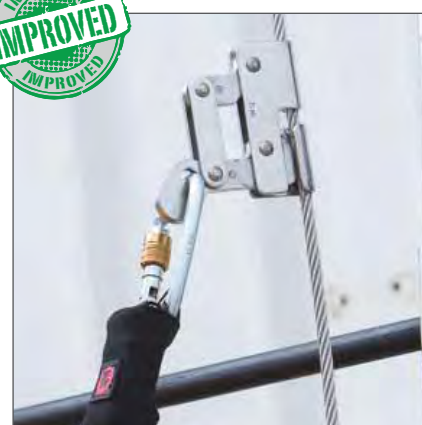


## Cable Runner for Ladder System

Code HS-CS1000

Ferno believe the Hi-Safe CS1000 cable runner is the best and safest for ascending and descending. Standard cable runners snag and hinder movement forcing users to take a hand off the ladder to shunt the runner along the cable creating a dangerous working at height scenario.

The cable runner can be removed from the cable allowing use on other ladder systems but remains locked onto the system when the karabiner is in place. The HS-CS1000 cable runner comes complete with a built in energy absorber & karabiners.



## Ferno LADlok Ladder Gutter Bracket

Code FWELL

The Ferno LADlok Ladder Gutter Bracket is designed to attach to your ladder and become part of your ladder system - ready for work whenever you are. The Ferno LADlok enables your ladder to be placed in position before work access - thus eliminating the problem of the ladder top not being secured before climbing.

- Fits most portable rung type ladders
- Fits most gutter profiles
- Supplied with 90 mm extension brackets for larger ladder frames
- Limits ladder movement for safe and confident use
- Rubber seal backs to protect gutter from surface scratches
- Australian designed for Australian conditions
- Quality steel construction with durable powder coat finish
- Quick and easy to install
- Attractively priced



## Ferno SCAFlok Parapet & Rail Ladder Bracket

Code FWESCL

The Ferno SCAFlok enables your ladder to be placed in position and secured before climbing and is ideal for accessing factory / construction parapets, purlins, timber trusses, steel portals, and pipework. The SCAFlok is an ideal quick and easy solution for stabilising your access needs.

- Fits most portable rung type ladders
- Supplied with 90 mm extension brackets for larger ladder frames
- Rubber seal backs to protect parapet from surface scratches
- Quality steel construction with durable powder coat finish
- Quick and easy to install



## Hi-Safe LS25 Ladder Bracket

Code HS-LS25G TYPE2

The Hi Safe ladder bracket is lightweight, strong and corrosive resistant providing a simple and secure mounting system for ladders. The Ladder Bracket is versatile for end user use and allows on-site alterations for the installer. Not all parapets and roof structures are the same so Ferno has specifically engineered the ladder bracket to allow small on-site alterations by the installer. This multi-fit design combined with alloy substrate provides universal fitment opportunities to a vast array of parapet walls and roof edge structures.

- 3 mm alloy, anti-slip substrate
- Corrosive resistant alloy allows onsite drilling and trimming
- Integrated tie off cable can slide through or wrap around rung
- Protects parapet or gutter from damage
- Warning signage can be easily fitted to the front of the bracket
- Deep positioning points to locate & secure ladder
- Allows a true 4:1 ladder positioning method per the OHS portable ladder use guidelines





## Hi-Safe Ladder Lock

Code HS-LLO (parapet), HS-LLOG (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.



## Ferno Ladder Stabiliser

Code HS-LS26

The Ladder Stabiliser's underside tyre like grip prevents the base of the ladder slipping on common surfaces. It fits ladders up to a 64cm base and ladders with a stability bar of any length. The device is more reliable than standard footing and is ideal for solo tradesman and handymen as it reduces ladder set up times and protects the underground.

The Ladder Stabiliser is simple to use, flexible and reliable.  
L 66 cm, W 22 cm, H 9 cm, Weight 4.7 kg



## Installation Tools, Accessories and Hardware

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



Ferno anchor tag and cable tie



Sealing foam



Fablok fixing

12 gauge hex head carbon steel screw, with 8 mm alloy body sleeve & neoprene washer



Gesipa Battery Riveter (supplied with battery & charger)



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



Gesipa Hand Riveter

## Roof Safety Signage

Safety Signage is an integral part of your safety in the workplace. Safe roof access is no exception to the rule and in certain applications safety signage may be required to appropriately warn personnel that a hazard exists. Ferno have provided a basic range of signage that can be selected for common place roof access and working at height hazards. All signs shown are standard 300 mm x 225 mm in size. All messages are non-reflective on a 1mm colour bond substrate provided in the colours shown. No fixings supplied.



## RetroGUARD™

### Filling the gaps in safety

RetroGUARD™ safety panelling is retro fitted to existing and leading industrial handrails, platforms, stairs and walkways including Webforge™, Weldlock™, Monowills™, Locker™ and other dimensionally compatible brands. Installation is fast and safe with a unique patented bracket design which accommodates various panel styles and materials and allows installation from within the existing safety rails. RetroGUARD™ provides full coverage along the total length of your handrail system including the internal and external corners. Engineered for maximum safety, independently certified and adheres to Australian Standards.

- Prevent injury from dropped objects falling through hand railing
- Prevent personnel from leaning through, standing or stepping onto the mid rail of safety barriers and handrails
- Promotes the required 3 points of contact during access and egress of stairs
- Installed entirely from inside existing safety barriers, platform and stairs without the requirement of working at heights
- Installed without welding or hot works.



## RetroTREAD™

### Minimise the gaps in your safety platform

RetroTREAD™ is a unique clamping and flooring system designed to clip to your existing grid mesh floor. It provides a flexible solution for fast and safe installation of safety flooring. Barrier Mesh is quickly secured to the RetroTREAD™ clip barricading areas above and below each platform level, preventing risk of injury from falling objects. RetroTREAD™ is ideal for areas and work sites that suffer from product spill and product overflow or have regular maintenance work scheduled.

Different mesh barriers and sizes are available on request.



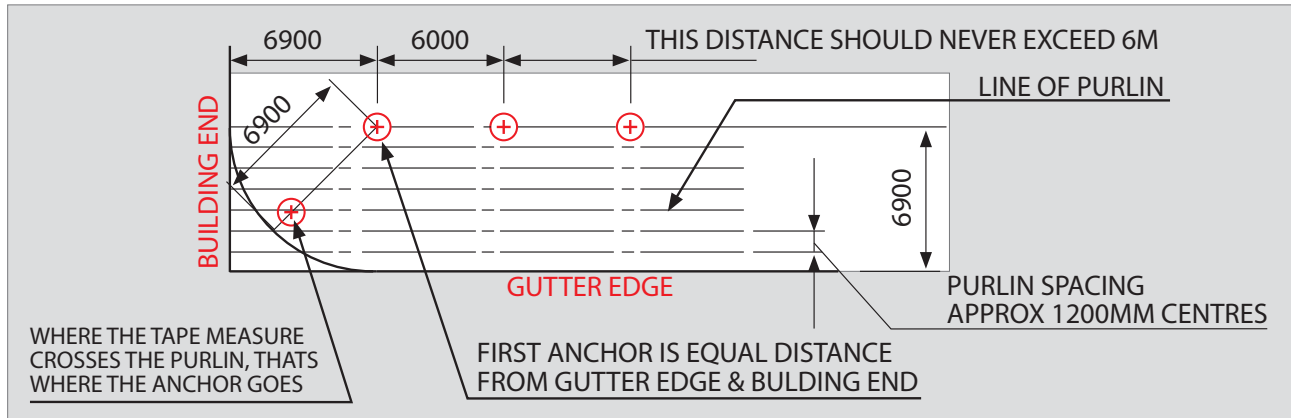
## RetroSTEP™

### An extra step towards a safer workplace

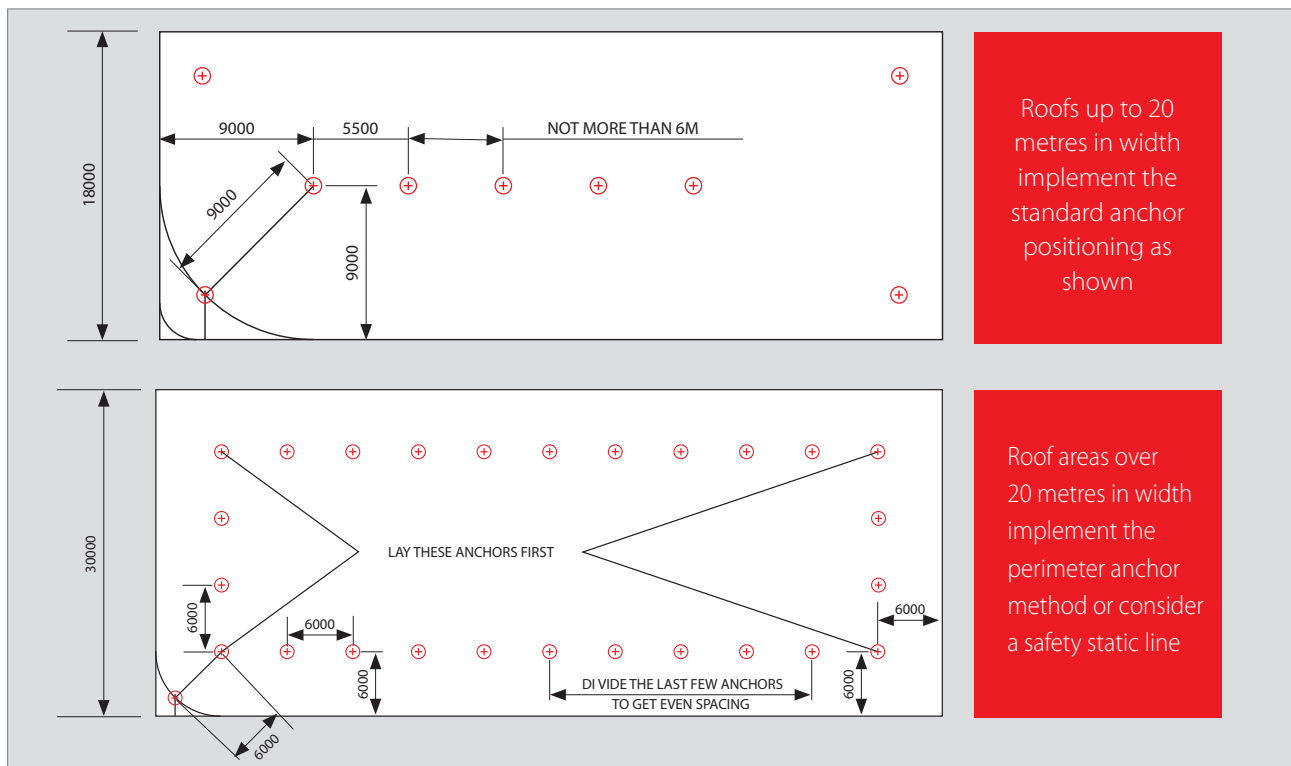
RetroSTEP™ is quickly installed to your existing stairways, barricading areas above and below each set of stairs. Fast, affordable and easy to install RetroSTEP™ plays an integral part, when combined with RetroGUARD™ and RetroTREAD™ in preventing dropped object risks through open stairs and walkways. RetroSTEP™ is a great way to quickly improve plant safety without breaking the budget and is a great option for existing plants. The design of this safety riser ensures it fits firmly under the existing step.



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.



**Figure 1** - Correct anchor spacing on the purlins



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

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

**Figure 2** - Anchor Positioning examples

Emergency  
Rescue  
Height Safety  
Roof Safety  
Rock Climbing  
Engineering

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