



Specialist Access & Rescue  
Products Ltd.

# Product Catalogue

2022/23

Specialist Access & Rescue Products Ltd was founded in 2003 by Dave & Dorene Allport, after Troll Safety Equipment closed their factory and moved production overseas.

Dave had worked for over 22 years as a Technical Specialist for rescue & rope access, designing equipment and techniques used in these areas. He founded the Troll Training School and trained Fire & Rescue Services, Police, and Military Forces around the world in rescue & rope techniques.

At SAR, we pride ourselves on manufacturing products that offer superior performance, reliability, user benefits and at the same time are cost effective.

Our market knowledge and experience is what sets us apart. Our customer focused attitude ensures that we continue to offer products that are backed up with exemplary customer support.

Our policy is to manufacture high quality products to meet the increased demand for safety in both the national and international markets. We are committed to customer service and quality management, having been certified with the BS EN ISO 9001:2015 standard.

Our highly skilled manufacturing department is where our innovative products are transformed from raw material to finished goods, within the 15,000 sq ft facility in Greater Manchester, England. All our products are manufactured from certified quality raw materials. The finished products are subject to sample destruction testing or proof loading tests in accordance with current manufacturing standards.

It is vital that every piece of safety equipment we make has been thoroughly tested and inspected by highly competent people, reassuring the user that each and every component meets the highest standards. These standards for quality are in place during all stages of production, from yarn input to shipping of the product.

All of SAR's products are manufactured to the appropriate European standards required for it's equipment type.

SAR Products Ltd produces equipment that is shipped worldwide via our global distribution network.



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# Harnesses



## Merlin Full Body Harness

### Conforms to:

EN361:2002, EN358:2018 & EN813:2008

The Merlin Full Body Harness has been designed for industrial rope access and technical rescue, where personnel wish to have either a wrap around or step in fit, with a pull over the head style.

The wrap around fit has been constructed into all the SAR multi purpose harness range. This innovative pattern includes two independent front waist attachment points in different profiles. This is so the rope access and rescue technicians can utilise any type of rope descender without twisting the system.

The Merlin is also fitted with upper 'D' connection points at the front and rear for safety back-up and fall arrest attachment. The laminated foam and shaped shoulder pads give additional comfort to the user.

The harness comes in two different forms, the standard Merlin or the Merlin Tech which has the addition of a fixed chest ascender. This gives an advantage to those who employ 'frogging' techniques for ascending.

### Specifications:

- Belay loop 30kN and 'D' connections 25kN
- Double front attachments (Merlin 4 & 6 only)
- One rear dorsal attachment. Fold away when not required
- Two side attachments. Fold back when not required.(Merlin 5 & 6 only)
- Front fixed karabiner (standard Merlin Harness only)
- Front fixed chest croll (Merlin Tech only)
- 3 gear loops & 4 equipment rings
- Quick clip buckles on leg loops (QC type only)
- Slotted waist for fitting pouches, bolt bags or tool frogs
- Laminated sandwiched closed cell foam padding
- Shaped waist and legs for extra comfort
- High quality polyester webbing
- Fully adjustable waist and legs
- Step in fitting or wrap around fitting
- Waist circumference: Min 74cm - Max 114cm
- Leg circumference: Min 48cm - Max 84cm
- Weight - Merlin 6: 2.15kg

### Product Code(s):

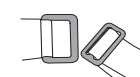
#### Merlin Full Body Harness

Merlin 6: H0075  
Merlin 5: H0074  
Merlin 4: H0073

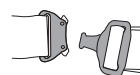
#### Merlin Tech Full Body Harness

Merlin 6: H0075T  
Merlin 5: H0074T  
Merlin 4: H0073T

### Buckle Choices:



Standard Buckles



Quick Clip Buckles

### Colour Choices:



Blue & Black



All Black



Merlin 6 Full Body Harness



Merlin Tech  
Harness with  
fitted chest croll





# Raptor

## Full Body Harness

### Conforms to:

EN361:2002, \*EN358:2018 & EN813:2008

The Raptor 4 & 6 Full Body Harness has been specifically designed for rope access and technical rescue personnel who prefer a multi purpose full body without a restrictive chest strap. This approach comes from years of experience being suspended in harnesses and a different approach and attitude in the evolution of harness design. Modifications to the initial concept have been made over the years thanks to the constructive input from our world wide users.

The Raptor, like the Merlin, has the innovative pattern that includes two independent front waist attachments points in different profiles, this is so rope access and rescue technicians can utilise any type of rope descender without twisting the system.

The Raptor 6 has two side 'D' connections that fold back flat when not required for use. The harness also has sandwich closed cell foam formed and shaped pads for waist and legs giving superb comfort.

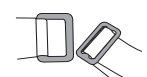
### Specifications:

- Belay loop 30kN and 'D' connections 25kN
- Double front attachments
- One rear dorsal attachment
- Two side attachments (Raptor 6 only)
- Four reinforced snag free gear rack loops
- Easy and reliable interlocking buckle system
- Laminated sandwiched closed cell foam padding
- Shaped waist and legs for extra comfort
- High quality polyester webbing
- Fully adjustable waist and legs
- Step in fitting or wrap around fitting
- Waist circumference: Min 74cm - Max 114cm
- Leg/Thigh circumference: Min 42cm - Max 70cm
- Weight - Raptor 4: 1.50kg
- Weight - Raptor 6: 1.75kg

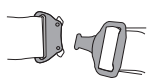
### Product Code(s):

Raptor 4: H0030  
Raptor 6: H0031

### Buckle Choices:



Standard Buckles



Quick Clip Buckles

### Colour Choices:



Blue & Black



Orange & Black



All Black



# Kestrel

## Fall Arrest Harness

### Conforms to:

EN361:2002

The Kestrel Fall Arrest Harness has front sternal & rear dorsal attachment points for fall arrest connections. We recommend the front be used for fall arrest.

Fitting is normally wrap around but can be left fastened at the chest/ sternum connection to give a quicker fitting. Shoulder adjustment buckles use two square link buckles and once adjusted to fit the user will not slip during everyday use.

The leg connection has a choice of buckle fittings - the standard square buckling system, or Quick Clip (QC) buckles. Both come with a heavy duty elastic tidy for any excess webbing to be captivated.

The Kestrel Harness has the option to have fixed padding added, giving improved comfort for the user. The padding also makes the harness easier to fit, as takes any twists from the webbing. The padding cannot be removed from the harness & should be requested when placing the order.

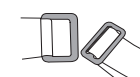
### Specifications:

- One front sternal attachment point
- One rear dorsal attachment point
- Weight: 960g
- Standard size fits: S, M & L - we can make XS & XL to order

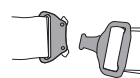
### Product Code(s):

Kestrel: H0040  
Kestrel QC: H0042STDQC

### Buckle Choices:



Standard Buckles



Quick Clip Buckles

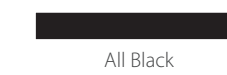
### Colour Choices:



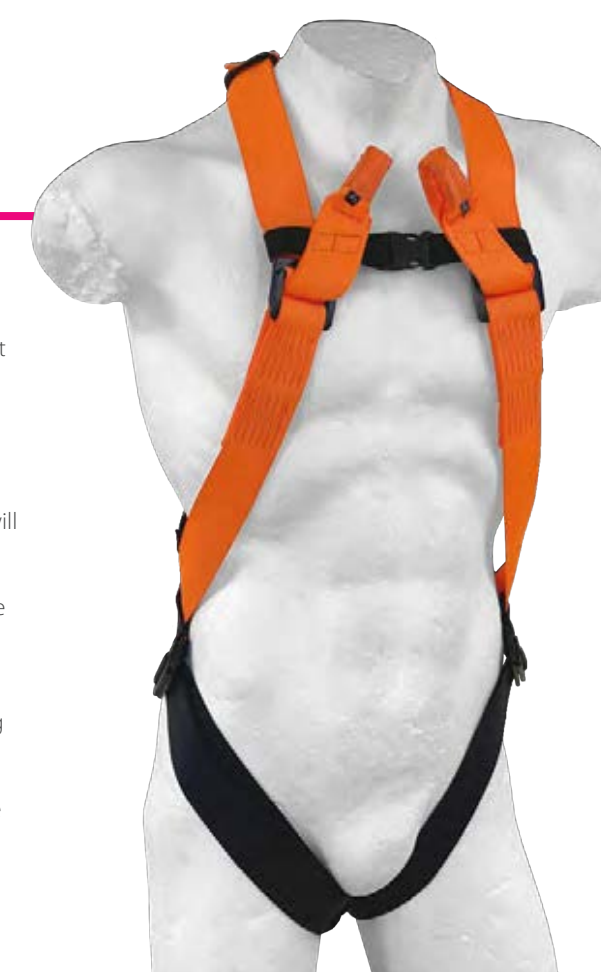
Blue & Black



Orange & Black



All Black





# Lineman

## Full Body Harness

### Conforms to:

EN361:2002, EN358:2018 & EN813:2008

The Lineman Harness has been designed for use by utility companies and made to be easily fitted, just like putting on a jacket.

Constructed with a full set of Quick Clip cobra buckles, the Lineman harness can be quickly fitted and removed. The front attachment point combines a Quick Clip cobra buckle with the 'D' attachment point.

The harness incorporates 5 attachment points - 1 front sternal and 1 rear dorsal for fall arrest, 2 side 'D's for work positioning and 1 waist attachment point for abseiling & belaying.

The Lineman features 1 small and 2 large gear loops, in addition to 3 equipment rings. The back, waist and leg pads are made using high grade closed cell foam to give the maximum comfort when in use.

### Specifications:

- Rated to 150kg
- One front sternal attachment point
- One front waist attachment point
- One rear dorsal attachment point
- Two side 'D' work positioning attachment points
- One small, two large gear loops & three equipment rings
- Two lanyard parking loops
- Quick Clip buckles throughout fully adjustable legs, waist, shoulder and back straps
- Reflective labels with simple clear access label
- High quality polyester webbing

Small/Medium Lineman:

- Waist: 86cm - 137cm
- Legs: 47cm - 61cm
- Weight: 1.85Kg

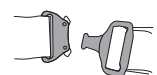
Large Lineman:

- Waist: 95cm - 147cm
- Legs: 47cm - 71cm
- Weight: 2kg

### Product Code(s):

Lineman Harness (Small/Medium): H0076  
Lineman Harness (Large): H0076L

### Buckle Choices:



Quick Clip Buckles

### Colour Choices:



Blue & Black



Orange & Black



All Black



# Worker

## Fall Arrest Harness

### Conforms to:

EN361:2002

The Worker is an uncompromising fall arrest harness designed with all day comfort in mind. The shoulder / rear padding mean it is easy to put on and take off, while the simple, clean lines make adjustment a breeze.

Quick Clip buckles on the legs and chest come as standard, and the chest buckle also has an integrated 'D' connection point.

2 lanyard parking loop on the shoulders provide a place for unused connectors or other gear.

A sternal fall arrest connection point is available at the front, while a dorsal point is also provided at the rear for those who prefer.

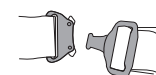
### Specifications:

- Rated to 150kg
- Rear dorsal attachment point
- Front sternal Cobra 'D' attachment point
- Two lanyard parking loops
- Quick Clip buckles throughout
- Fully adjustable legs and shoulder straps
- Close cell foam padding
- Simple clear access label
- High grade polyester webbing
- Reflective labels
- Weight: 1.2kg
- Size: Standard - fits small, medium and large

### Product Code(s):

Worker Full Body Harness: H0077

### Buckle Choices:



Quick Clip Buckles

### Colour Choices:



Blue & Black



Orange & Black



All Black



# Hawk

## Sit Harness

### Conforms to:

EN813:2008, EN12277:2015+A1:2018 Type C

The Hawk Sit Harness has been created for military and mountain rescue personnel, or anyone who requires the security and durability of a very robust harness as an alternative to that of a rock climbing harness.

Quality materials, insightful design, solid construction and simplicity in fitting make this the supreme personal issue sit harness.

The emphasis in design was placed upon strength, stability, light weight and comfort. The Hawk delivers in all these fields and is perfect for anyone who spends time in a harness.

The wrap around fitting is ideal when wearing crampons etc., but if preferred you may keep the buckles fastened to give step in fitting.

### Specifications:

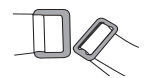
- Rated to 150kg
- Front waist attachment (Double thickness 18mm belay loop 30kN)
- Four reinforced gear rack loops
- Easy & reliable interlocking buckle system
- Fully adjustable waist and legs
- Wrap around or step in fitting
- Laminated formed, shaped closed cell foam for extra comfort
- High quality polyester webbing
- Waist circumference: Min 74cm - Max 120cm
- Leg/Thigh circumference: Min 42cm - Max 70cm
- Weight: 814g

Conforms to EN361 - When linked with any SAR chest harness and Link Sling.

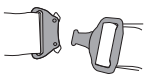
### Product Code(s):

Hawk Sit Harness: H0003  
Hawk Sit Harness (All Black): H0004  
NSN: 4240-99-361-7438

### Buckle Choices:



Standard Buckles



Quick Clip Buckles

### Colour Choices:



Blue & Black



Orange & Black



All Black



# Harrier

## Sit Harness

### Conforms to:

EN813:2008, EN358:2018

The Harrier Sit Harness has been re-designed and upgraded to a user rating of 150Kg. They are designed for rope access and technical rescue service personnel who prefer a separate sit and chest harness format to that of a multi purpose full body harness.

The Harrier, like the Merlin and Raptor, has the innovative pattern that includes two independent front waist attachment points in different profiles so that rope access and rescue technicians can utilise any type of rope descender without twisting the system.

The Harrier has a wrap around fitting system for ease of donning, which also stops the harness getting soiled, as is common with the step in type harness. The QC style has Quick Clip buckles on the leg loops and can also be made with QC buckles on the waist if so required.

The Harrier has also been designed to be used with any of the SAR chest harness range, as well as it's own Harrier Chest Harness models.

### Specifications:

- Rated to 150kg
- Two independent front attachment points - Belay loop 30kN & 'D' 25kN
- Two side 'D' work positioning attachment points (Harrier 4 models only)
- Four reinforced gear rack loops & four plastic gear loops
- Fully adjustable waist and legs with twin adjustment on the waist
- Foam padding with shaped waist and legs for extra comfort
- Waist circumference: Min 74cm - Max 114cm.
- Leg/Thigh circumference: Min 42cm - Max 70cm.
- Weight - Harrier 2: 1.1Kg
- Weight - Harrier 4: 1.3Kg

Only the Harrier 4 Conforms to EN358

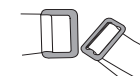
Conforms to EN361 - When linked with any SAR chest harness and Link Sling.

### Product Code(s):

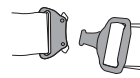
Harrier 2 Sit Harness: H0001  
Harrier 2 Sit Harness QC: H0001QC

Harrier 4 Sit Harness: H0002  
Harrier 4 Sit Harness QC: H0002QC

### Buckle Choices:



Standard Buckles



Quick Clip Buckles

### Colour Choices:



Blue & Black



Orange & Black



All Black



Camouflage





# Harrier Lite

## Sit Harness

### Conforms to:

EN813:2008

The Harrier Lite is a pared down version of our standard Harrier, utilising a lighter, less bulky waist pad, whilst still offering the 150kg user rating.

The Harrier Lite retains the two independent front waist attachment points, as well as the wrap around fitting system, which can be left done up for ease of fitting, or can be fully undone when required.

Available in camouflage, which matches the current UK Armed Forces MTP, as well as black.

The Harrier Lite can be assembled with a SAR Kite or Osprey Chest Harness to make a EN361 full body harness.



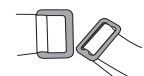
### Specifications:

- Rated to 150kg
- Two independent front attachment points – Belay loop 30kN & 'D' 25kN
- Four reinforced gear rack loops & four plastic gear rings
- Fully adjustable waist and legs with twin adjustment on the waist
- Lightweight foam padding with shaped waist and legs for extra comfort
- Waist circumference: Min 74cm – Max 114cm
- Leg/Thigh circumference: Min 42cm – Max 70cm

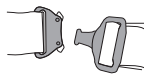
### Product Code(s):

Harrier Lite Sit Harness: H0001LB

### Buckle Choices:



Standard Buckles



Quick Clip Buckles

### Colour Choices:



Blue & Black



Orange & Black



All Black



Camouflage

# Kite

## Chest Harness

### Conforms to:

EN361:2002

The Kite Chest Harness in combination with a threaded Link Sling have been designed to be used with any of the SAR sit harness range for added comfort and protection. The Kite can be utilised for climbing, mountaineering, rescue, intervention and technical access.

The harness has front loops for use with a Link Sling to keep the user in an upright sitting position when connected to the sit harness to give a full body harness format conforming to EN361.

The Kite can be used for connecting a chest ascender by using the 25mm front strap threaded through the top hole of the ascender and the bottom of the ascender connected to the sit harness. The chest ascender can be fitted over the Link Sling and a karabiner in the chest loops giving the ability to be used in an instant.

The Kite & Kite QC Chest Harness MUST NOT be used on its own.



### Specifications:

- Fully adjustable
- Wrap around cross fitting
- Interlocking shoulder buckle system
- High quality polyester webbing
- Supplied with Link Sling
- Quick Clip buckle front harness connection - Kite QC only

Weight:

- Kite - 350g
- Kite QC - 445g

Link Sling conforms to EN354:2010, EN566:2017, EN795-B:2012 & PD CEN/TS 16415:2013 Type B - 2 person load

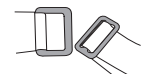
Conforms to EN361 - When linked with any SAR chest harness and Link Sling.

### Product Code(s):

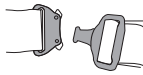
Kite: H0010 - NSN: 4240-99-229-5357

Kite QC: H0010QC

### Buckle Choices:



Standard Buckles



Quick Clip Buckles

### Colour Choices:



Blue & Black



Orange & Black



All Black



Camouflage



# Osprey

## Chest Harness

### Conforms to:

\*EN361:2002 & \*EN12277-D:2015

The Osprey Harness is fitted with adjustable shoulder & chest straps for improved fit and comfort for the user. It can also be fitted with a front attachment Quick Clip (QC) buckle for easy donning and removal.

The Chest Harness has front loops for use with a Link Sling to keep the user in an upright sitting position when connected to the sit harness to give a full body harness format conforming to EN361. The Link Sling can be fitted and kept in position when used with the Osprey QC.

The Osprey can be used for connecting a chest ascender by using the 25mm front strap threaded through the top hole of the ascender and the bottom of the ascender connected to the Sit Harness. The C chest ascender can be fitted over the Link Sling and a karabiner in the chest loops giving the ability to be used in an instant.

The Osprey QC has the option to be fitted with non-removable padding, comes with a detachable gear rack for hanging tools or light equipment, lanyard parking loops, and velcro tabs for securing lanyard legs.

The Osprey Chest Harness MUST NOT be used on it's own.

### Specifications:

- Rated to 150kg
- Fully adjustable
- Interlocking shoulder buckle system
- High quality polyester webbing
- Supplied with Link Sling
- Quick Clip buckle front harness connection - Osprey QC only

### Weight:

- Osprey - 445g
- Osprey QC - 505g

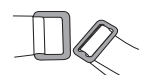
Link Sling conforms to EN354:2010, EN566:2017, EN795-B:2012 & PD CEN/TS 16415:2013 Type B - 2 person load

\*EN361 - When linked with any SAR sit harness and Link Sling.

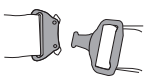
### Product Code(s):

Osprey: H0016  
Osprey Black: H0016B - NSN: 4240-99-273-0406  
Osprey QC: H0016QC

### Buckle Choices:



Standard Buckles



Quick Clip Buckles

### Colour Choices:



Blue & Black



Orange & Black



All Black



# Harrier

## Chest Harness

### Conforms to:

\*EN361:2002 & \*EN12277-D:2015

The Harrier Chest Harness & Harrier Chest Plus Harness are a new design to accompany the Harrier Sit Harness range. The Harrier Chest Harness is made of high grade polyester webbing and the shoulders are padded with high grade closed cell foam.

The Harrier Chest Harness utilises a triple action karabiner on the front to attach to the Harrier Sit Harness. The Harrier Chest Plus has a sewn in chest ascender and connects to the front of the Harrier sit harness with a maillon. Both chest harnesses can be threaded into the back of the Harrier Sit Harness models meaning they can be permanently attached or replaced if damaged in any way.

Both models of Harrier Chest Harness have a quick clip buckle on the shoulder to allow faster donning or removal.

The Harrier Chest Harness MUST NOT be used on it's own.

### Specifications:

- Rated to 150kg
- High grade polyester webbing throughout.
- Close cell foam shoulder and back pad.
- Front sternal 'D' fall arrest point only.

### Weight:

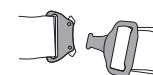
- Harrier chest: 650g
- Harrier chest plus: 800g

\*EN361 & EN12277-D - When linked with any the Harrier Sit harness range

### Product Code(s):

Harrier Chest Harness: H0078  
Harrier Chest Plus Harness: H0078PL

### Buckle Choices:



Quick Clip Buckles

### Colour Choices:



Blue & Black



Orange & Black



All Black





# Riggers Belts

## Conforms to:

EN358:2018

Our Tactical Riggers Belt is manufactured using a double thickness high grade polyester webbing for extra strength and durability. The belt has been designed for multi functional uses and is available with a choice of:

- Webbing Eye
- Alloy Tri 'D'
- Cobra Buckle 'D'

All of our Tactical Riggers belts use an adjustable quick release buckle for easy fitting. The Quick Clip buckle is rated to 18kN.

## Specifications:

- Rated to 150kg
- High grade polyester webbing

Sizes:

- Small: 26" to 32"
- Medium: 30" to 36"
- Large: 38" to 44"

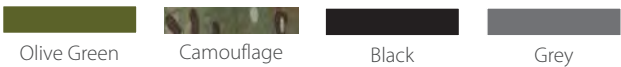
Weights:

- Alloy Tri 'D' Belt: 260g
- Webbing Eye Belt: 230g
- Cobra Buckle 'D' Belt: 310g

## Product Code(s):

Belt with Webbing Eye: RS019BW  
Belt with Tri 'D': RS019BTD  
Belt with Cobra 'D': RS019BCD

## Colour Choices:



Riggers Belt with Webbing Eye



Riggers Belt with Alloy Tri 'D'



Riggers Belt with Cobra Buckle 'D'



# Miners Belt

## Conforms to:

EN358:2018

Our Miners Belt is manufactured using a double thickness high grade polyester webbing for extra strength and durability. The belt has been designed for multi functional uses and comes fitted with a bow 'D', ideal for restraint.

## Specifications:

- Rated to 150kg
- Size: 28" to 58"
- Weight: 270g

## Product Code(s):

Miners Belt: H0080



# Work Positioning Belt

## Conforms to:

EN358:2018

The Work Positioning Belt is manufactured using a 45mm high grade polyester webbing. It is fitted with two side mounted alloy 'D' ring attachment points. These alloy 'D' rings are able to be secured back with velcro retaining straps for when they are not in use.

The belt also has the benefit of a 6mm padded foam, this gives back-support and improved comfort for the user. It is fitted with a Quick Clip buckle for easy fitting and removal. The back of the belt incorporates a rear restraint loop which can be used for connecting a restraint lanyard. Bespoke versions of this belt can be made to order.

## Specifications:

- Rated to 150kg
- Size: 30" to 38"
- Weight: 440g

## Product Code(s):

Work Positioning Belt: RS036BLK



# Helicopter Riggers Belt

## Conforms to:

EN358:2018

The Helicopter Riggers Belt was designed in collaboration with the UK National Police Air Service, it is a restraint belt worn by the rear Tactical Flight Officer/observer when flying with the door open.

With a padded, double thickness webbing belt, a low profile buckle, and a fold away rear D, it can be worn all the time without interfering with normal TFO duties. The rear D attachment point can be unfolded, allowing a lanyard to be connected to the anchor ring whilst ensuring unhindered access to the open door.

PLEASE NOTE: The Helicopter Riggers Belt is a restraint belt only and should not be used as a harness or rescue loop for suspension/winching.

## Specifications:

- Rated to 150kg
- Size: 28" to 58"
- Weight: 270g

## Product Code(s):

Miners Belt: H0080



# Rescue Strop

## Conforms to:

EN1498:2006, Class A & B

The Rescue Strop has a split chest design enabling the strop to be threaded around and under the casualty's arms to reduce the chance of disturbing the surrounding ground.

The adjustment loops on the chest give it a large range of sizes from very young children to adults. The adjustment on the legs allows the wearer to be in a range of positions from vertical to sitting.

The Rescue Strop is ideal for lifting into a sitting position a person who is hanging in a fall arrest Harness, thereby reducing the risk of suspension trauma. The strop can also be used for lifting people from water in a horizontal position and therefore reducing the possibility of shock.

## Specifications:

### Chest:

- 9mm closed cell laminated foam padding and 44mm high quality polyester webbing
- Three adjustment loops
- Back pull handle for helicopter loading
- Anodised alloy twist lock karabiner for rapid connection on the waist

### Legs:

- 44mm high grade polyester webbing split leg loops
- Two anodized alloy twist lock karabiners for rapid connection around legs to central ring
- Easy buckle adjustment from vertical to sit position and visa versa

- Main lift connection: Large delta maillon
- Weight: 1.35kg

## Product Code(s):

Rescue Strop: H0050

## Colour Choices:



# Dog Harness

Our Dog Harness is a well tested and proven design with updated materials, which is very popular with search and rescue dog handlers. The harness comes in two sections for ease of fitting and flexibility of use for the dog, with both sections being fully adjustable. The front body harness has a padded chest for comfort and agility, with separate detachable leg loops for additional security.

The harness can be winched from the main attachment point with or without the leg loops dependent upon size, shape and weight of dog.

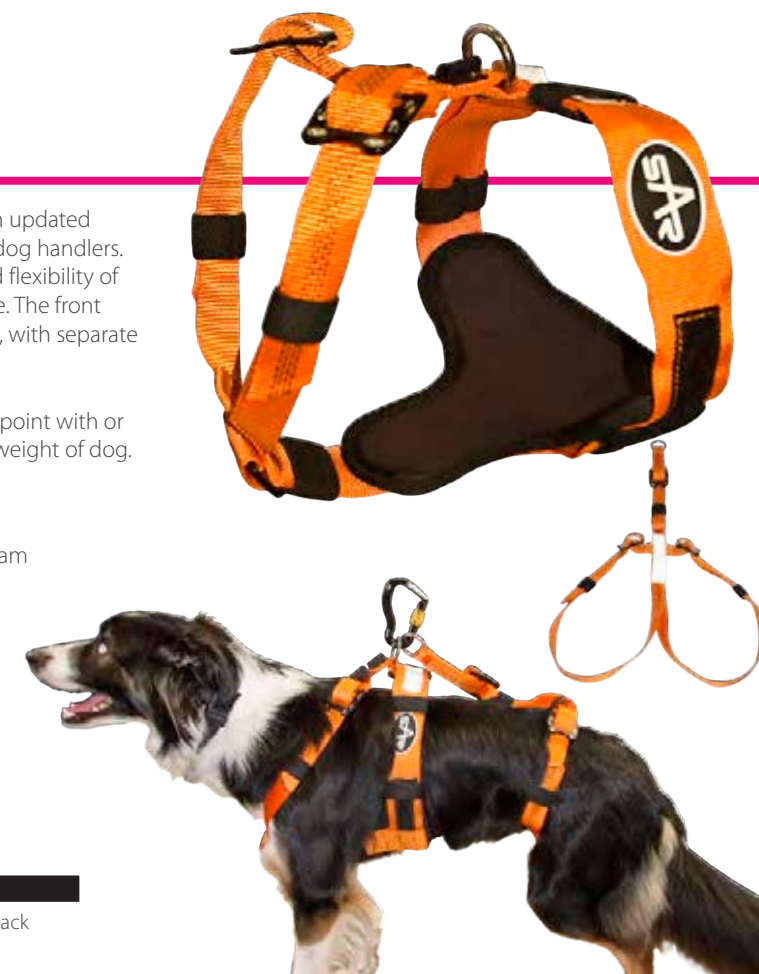
## Specifications:

- Chest pad (removable) 6mm laminated closed cell foam
- 25mm & 45mm high grade polyester webbing
- Elastic retaining loops for stick light or torch
- Fully adjustable for S, M & L size dogs
- Weight: Chest section: 300g & Leg section: 230g

## Product Code(s):

Dog Harness: H0015P

## Colour Choices:



# Bungee Ankle Harness

An extremely popular product with professional bungee companies, the Bungee Ankle Harness was developed by us following a request for an alternative to towels and slings wrapped around the jumper's ankles.

The Bungee Ankle Harness is available in 2 models – Standard and Single. The Standard is a one-piece harness with a central attachment point, while the Single is supplied as 2 separate pads which are then linked via the D-rings.

As there is no British or European Standard for this type of restraint harness, it has been fully tested to a static load of 20kN (the standard for other types of restraint harnesses is 15kN). However, as this is a restraint harness only, we strongly recommend that it is used in conjunction with a full body harness that is compliant to the standards within the relevant country (eg. EN361).

## Specifications:

- Static strength: 20kN
- SAR-ABS buckle system
- Magnetic webbing ties
- High quality polyester webbing
- Close cell laminated foam ankle pads
- Large range of adjustment
- Standard Harness - Weight: 506g
- Single Harness - Weight: 1.05kg

## Product Code(s):

Standard Bungee Ankle Harness: RS004  
Single Bungee Ankle Harness: RS004S





# Height Safety Kits



## High Access Rescue Kit

This High Access Rescue Kit uses our A-B auto-brake descender in the system. The system is pre-threaded within a rope bag as required by EN341.

This system can be used as part of an escape/self rescue procedure, to rescue an injured person in a two man load.

This kit can come with either 25m or 50m of rope.

We advise that the user be trained in use of this equipment.

### Kit Includes:

- Small rescue rope bag
- 11mm Low Stretch Rope - 25m or 50m
- 1 x A-B Descender
- 4 x Steel karabiners
- 1 x 20cm Twin eye sling
- 1 x 240cm 25mm round superweb sling
- 2 x Heavy duty rope/sling protectors.
- Safety knife and pouch

### Product Code(s):

25 Metre Kit: RS020A  
50 Metre Kit: RS025A



### Specifications:

- Weight for 50m system approx. 5.7kg
- All individual items conform to their own relevant EN standard
- Please see individual products for their specifications

## Pick Off Rescue Kit

The Pick Off Rescue Kit is the ideal solution for situations where an easy to use, pre-rigged rescue system is required. Supplied in a high visibility storage bag, it can be easily carried to the work site to be ready for immediate deployment should the unfortunate need arise.

Perfect for retrieving a worker who has deployed their fall arrest lanyards, for someone incapacitated whilst aid climbing, or for numerous other scenarios. The Pick Off Rescue Kit allows the casualty to be lifted from their attachment point and lowered to safety. The addition of the optional Long Reach Pole means that the rescuer can effect the rescue remotely, without committing themselves over the edge.

The kit includes a 1.5m Anchor Strop, a compact self-contained haul system, a RAD, and our 11mm Low Stretch Rope to the length of your choice, all pre-rigged ready for use.

This kit is for rescue only. All individual components conform to their own relevant standard(s).

### Product Code(s):

30m: RS030/30	30m with pole: RS030/30P
60m: RS030/60	60m with pole: RS030/60P
100m: RS030/100	100m with pole: RS030/100P



### Specifications:

- Available lengths: 30m, 60m, 100m or any length on request
- Available with or without Long Reach Pole (pole has own carry bag)
- Weight of system with 30m of rope: 4.55kg
- Weight of Long Reach Pole & bag: 0.8kg

# Rooftop Access Kit



The Rooftop Access Kit was developed to take advantage of using either a single or twin rope safety system. It can be used as a vertical safety fall arrest system on ladders, towers, trees etc. It can also be used as a work restraint or fall arrest system in rooftop areas where a single rope can be used to access an open edge, or a twin rope system to prevent pendulum movement.

The rope is anchored by either clipping the rope karabiner directly on to an EN795 anchor or looping around a structure or girder then clipping back into the rope loop on the slider.

## Specifications:

- As a work restraint/positioning system it conforms to EN358
- As a vertical back-up system it conforms to EN353-2.
- Each individual item in the kit conforms to the relevant EN standards and are compatible for this use
- The kit can be supplied without a harness. This kit is compatible with any SAR full body harness or sit/chest harness with a Link Sling

## Kit Includes:

- Equipment Holdall 35L
- Kestrel 2 Harness
- 4 x Alloy Klet Karabiners
- 2 x Steel Karabiners
- 4 x Rope Protectors
- 2 x Rockers
- 2 x 10cm Twin Eye Slings
- 11mm Low Stretch Rope - 25m or 50m

Training is strongly recommended for this system so that the user understands its many uses.

## Product Code(s):

25 Metre Kit: RS022  
50 Metre Kit: RS021

# Work At Height Riggers Kit

Although these are the basic elements required for a riggers work positioning kit, we do understand these kits are very individual. Therefore, should you wish to purchase further items from our catalogue to compliment your kit or change any element, please advise and we will assist you in your selection.

## Kit Includes:

- Merlin 6 Full Body Harness
- Twin Clip Loop Lanyard
- Industrial Helmet
- RAD Adjustable Rope Lanyard
- Equipment Bag

## Specifications:

- Each individual item in the kit conforms to the relevant EN standards and are compatible for this use
- Kits can be adapted at the users request.
- Please see individual products for specifications.

## Product Code(s):

Riggers Kit: RS033



# Work At Height Kit

This kit contains all you need for a basic fall arrest set up, in a handy storage bag.

Should you wish to purchase further items from our catalogue to compliment your kit or change any element, please advise and we will assist you in your selection.

## Kit Includes:

- Kestrel 2 Harness
- Twin Clip Loop Lanyard
- Industrial Helmet
- Equipment Bag

## Specifications:

- Each individual item in the kit conforms to the relevant EN standards and are compatible for this use
- Kits can be adapted at the users request.
- Please see individual products for specifications.

## Product Code(s):

Work At Height Kit: RS034





# Slings & Lanyards



## Twin Eye Slings

### Conforms to:

EN354:2010, EN566:2017, EN795-B:2012  
& PD CEN/TS 16415:2013 Type B - 2 person load

Our Twin Eye slings are made with a 18mm polyester superweb, and are rated to 24kN. This exceeds the standard set by EN354 of 22kN.

10cm & 20cm Twin Eye slings are used with the Rocker or as a short link lanyard in rope access.

### Specifications:

- Rated load 24kN
- High grade polyester webbing
- Individual serial number
- Length variations available on request
- Available in 25mm webbing for 35kN rating, on request

### Product Code(s):

10cm: S0001    20cm: S0003  
30cm: S0005    60cm: S0007

### Colour Choices:



## Rocker Sling Assembly

### Conforms to:

EN354:2010, EN566:2017, EN795-B:2012  
& PD CEN/TS 16415:2013 Type B - 2 person load

Our Twin Eye slings have a test strength of 24kN. This exceeds the highest standard set by EN354 of 22kN.

The 2 Lite Klet Karabiners, they have a wide base and excellent gate clearance. Made from high grade alloy bar, which is then pressed into shape to give extra strength, and a high tensile strength for its large size.

### Specifications:

- Rated load 24kN
- Karabiner conforms to: EN362
- Working length including karabiners 28cm
- High grade polyester webbing
- Individual serial number
- Weight: 160g
- Length variations available on request

### Product Code(s):

Rocker Sling Assembly: S0014NEW

### Colour Choices:





# Circular Slings - 18mm

## Conforms to:

EN354:2010, EN566:2017, EN795-B:2012  
& PD CEN/TS 16415:2013 Type B - 2 person load

These Circular Slings are made using a 18mm polyester superweb and have a tensile strength of 24kN which exceeds the standard set by EN354 of 22kN.

A multi-use sling, can be used for belays, attachments, foot loops, etc.

Please Note: working length is half the advertised sling length.

## Specifications:

- Rated load 24kN
- High grade polyester webbing
- Individual serial number
- Length variations available on request.

## Product Code(s):

20cm: S0053   30cm: S0016  
60cm: S0025   100cm: S0033  
240cm: S0035   490cm: S0036

## Colour Choices:



# Circular Slings - 25mm

## Conforms to:

EN354:2010, EN566:2017, EN795-B:2012  
& PD CEN/TS 16415:2013 Type B - 2 person load

These Circular Slings are made using a 25mm polyester superweb and have a tensile strength of 35kN which exceeds the standard set by EN354 of 22kN.

A multi-use sling, can be used for belays, attachments, foot loops, etc.

Please Note: working length is half the advertised sling length.

## Specifications:

- Rated load 35kN
- High grade polyester webbing
- Individual serial number
- Length variations available on request.

## Product Code(s):

120cm: S0011   240cm: S0012   480cm: S0013

## Colour Choices:



# Water Rescue Snake Sling

New  
Product!

The Water Rescue Snake Sling is a versatile piece of kit that can be kept in your PFD or waist tube, ready to deploy instantly. The high visibility colours make it much easier to spot in a water environment.

It has a 50mm sewn eye at each end so that a karabiner can be easily clipped if required. With potential uses as a towline, rescue sling, throw line, etc, the Water Rescue Snake Sling is the perfect addition to your paddling kit.

**Note:** This is not a PPE rated product and should not be used as one.

## Specifications:

- Available in 18mm & 25mm widths.
- Standard length 4m. Other lengths available on request.
- Minimum Breaking Strength: 18mm-16kN, 25mm- 22kN.
- Material: Polyester

## Product Code(s):

18mm Snake Sling: S0020  
25mm Snake Sling: S0021

## Colour Choices:



# Water Rescue Safety Tape

Our Water Rescue Safety Tape has the same versatility as the Water Rescue Snake Sling but with only one 50mm eye sewn in.

The high visibility colours make it perfect to keep as part of your emergency kit.

**Note:** This is not a PPE rated product and should not be used as one.

## Specifications:

- Available in 18mm & 25mm widths.
- Standard length 5m. Other lengths available on request.
- Minimum Breaking Strength: 18mm-16kN, 25mm- 22kN.
- Material: Polyester

## Product Code(s):

18mm Water Rescue Tape: S0042  
25mm Water Rescue Tape: S0043

## Colour Choices:



New  
Product!



# Dyneema Slings

## Conforms to:

EN566:2017 & EN795-B:2012

Dyneema slings offer a better strength to weight ratio than standard polyester or nylon slings, as well as higher UV and abrasion resistance.

Available in 11mm and 15mm, our Dyneema slings are the perfect choice for those looking to save weight while still maintaining optimal strength and durability for rescue or industrial use.

## Sling Lengths:

The advertised length of twin eye slings is the working length (measured end to end).

The advertised length of circular slings is the circumference – this should be halved to give the working length (measured end to end).

## Specifications:

- Rated load of 22kN for 11mm, 30kN for 15mm
- High grade Dyneema/ polyester mix
- Individual serial number
- Size variations available on request

## Product Code(s):

11mm Twin Eye Slings:  
10cm: D11-10TE  
20cm: D11-20TE  
30cm: D11-30TE

15mm Twin Eye Slings:  
10cm: D15-10TE  
20cm: D15-20TE  
30cm: D15-30TE

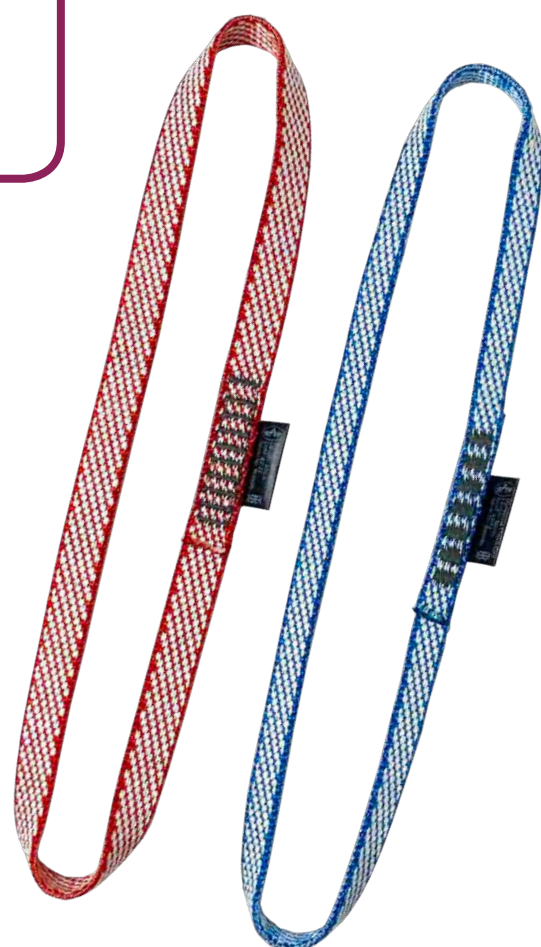
## 11mm Circular Slings:

60cm: D11-60C  
120cm: D11-120C  
240cm: D11-240C

## 15mm Circular Slings:

60cm: D15-60C  
120cm: D15-120C  
240cm: D15-240C

## Colour Choices:



**New Product!**



# Sling With Protected Sleeve

Our standard circular slings are available fitted with a polyester sleeve to protect against light abrasion, soiling, etc.

The sling is made as normal, then the red tubular sleeving is tacked in place at one end to prevent accidental removal, while still allowing inspection.

## Specifications:

- Rated load of 35kN for 25mm slings
- High grade polyester webbing
- Polyester tubular sleeving
- Individual serial number
- Size variations available on request

## Product Code(s):

60cm Protected Sling : S0074  
120cm Protected Sling : S0075

## Colour Choices:



**New Product!**

# Adventure Park Lanyard

The Adventure Park Dual Lanyard provides the ideal solution for high ropes courses where attachment must be maintained. The dual legs allow continuous connection to the system while passing anchor points, or connecting to a Tyrollean or zip wire.

The Adventure Park Single Lanyard is a single leg lanyard for those who prefer.

The protected webbing loop may be attached to the user's harness via an EN362 connector, or may be choke hitched directly.

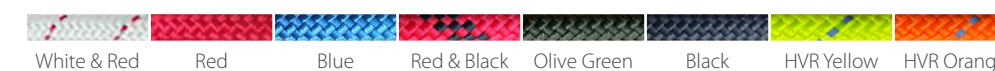
## Specifications:

- Static strength 22kN
- Can be made with 11mm or 10.5mm low stretch rope
- 18mm polyester sling with a protective polyester tube

## Product Code(s):

Adventure Park Single Lanyard: S0044  
Adventure Park Dual Lanyard: S0045

## 11mm Colour Choices:



**New Product!**

# Link Slings

## Conforms to:

EN354:2010, EN566:2017, EN795-B:2012  
& PD CEN/TS 16415:2013 Type B - 2 person load

Our Link Sling is made from high grade polyester with a weave that keeps the locking stitch away from the edge to help reduce wear/abrasion. It is made in two different lengths which are colour coded, 15cm for children (Yellow) and 20cm for adults (Orange). Longer slings can be made if required, along with all black versions.

It is the main link between any of our chest and sit harnesses to form a full body harness compliant with EN361 (Personal Protective Equipment Against Falls From Height - Full Body Harnesses).

## Specifications:

- Rated load 24kN
- High grade polyester webbing
- Individual serial number
- Colour coded between sizes
- Standard length: 20cm (Orange)
- Child length: 15cm (Yellow)
- Weight: 38g
- Length variations available on request.

## Product Code(s):

15cm: H0021  
20cm: H0020 NSN: 4240-99-213-8765



# Personal Positioning Sling

## Conforms to:

EN354:2010, EN566:2017, EN795-B:2012  
& PD CEN/TS 16415:2013 Type B - 2 person load

The Personal Positioning Sling (PP Sling) was designed for rescue technicians as a means of adjusting their height to that of the casualty they are rescuing (formally Personal Adjustment Sling).

The rescuers PP Sling is produced the same way as the Twin Eye sling, with a test strength of 24kN, which exceeds the highest standard set by EN354 of 22kN. The PPS has a full wrap of protection on the top eye and an extension tail of 1m for adjustment.

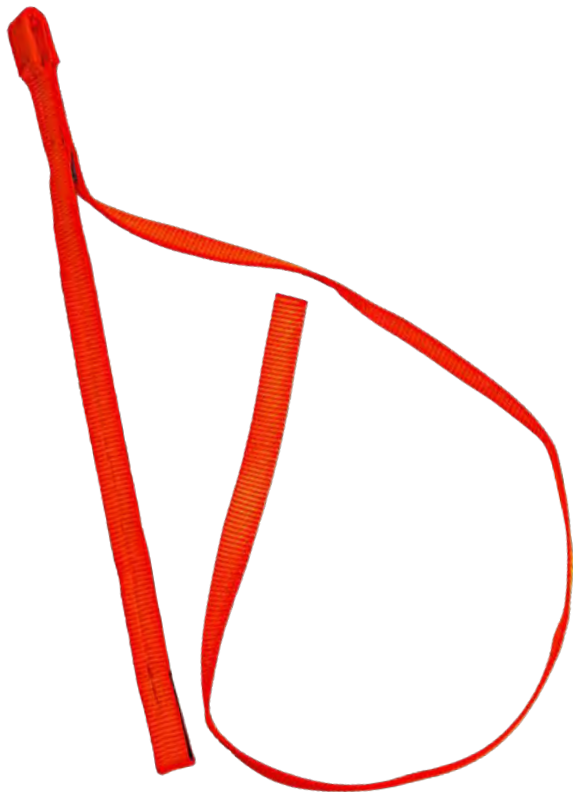
## Specifications:

- Rated load 24kN
- High grade polyester webbing
- Individual serial number
- Length variations available on request.

## Product Code(s):

45cm: S0009

## Colour Choices:



# Wire Anchor Strops- 6mm

## Conforms to:

EN354:2010, EN795-B:1997 & PD CEN/TS 16415:20013  
Type B - 2 person load

We have upgraded our Wire Anchor Strop to conforms to an additional standard (PD CEN/TS 16415:20013 Type B - 2 person load) and it can be made from two different materials.

Galvanised steel wire:  
Breaking load of 27kN and a safe working load of 270kg.

Stainless steel wire:  
Breaking load of 25kN, with a safe working load of 250kg.

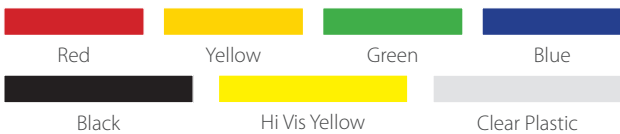
The strop can be supplied without the protective sleeve and without the thimble eye. It can be made to any length you require.

## Specifications:

- Strop strength: 27kN/25kN
- Material: 6mm galvanised or stainless steel wire
- Option of thimble eye
- Option of protective sleeve
- Manufactured to any size you require
- Protective sleeve has a choice of colours - clear plastic is standard



## Colour Choices:



# Tri Sling

## Conforms to:

EN354:2010, EN566:2017, EN795-B:2012  
& PD CEN/TS 16415:2013 Type B - 2 person load

The Tri-Sling was developed after a request for a product that would comply with EN354, the industrial standard for lanyards and in addition to the standards EN566 (Mountain Slings) and EN795-B (Industrial Anchor).

It was designed for multi use in outdoor centres. It can be connected to the user by any connector conforming to EN362 or EN12275-Q, or it can be choke hitched via the protection covered loop. It can also be used to clip back into its ring forming a loop in one leg of the lanyard.

## Specifications:

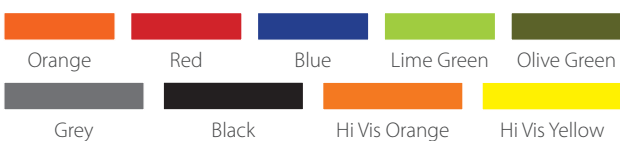
- Sling strength: 24kN & Ring strength: 25kN
- High grade polyester webbing & a polished alloy ring
- Individual serial number
- Weight: 204g
- Size: Blue legs 63cm, Black leg 28cm, Overall length 84cm
- Length variations available on request.

## Product Code(s):

Tri Sling: S0058



## Colour Choices:





# Anchor Strop

**Conforms to:**  
EN354:2010, EN566:2017, EN795-B:2012  
& PD CEN/TS 16415:2013 Type B - 2 person load

The Anchor Strop is made from 30mm heavy duty polyester webbing with two reinforced eyes to allow a karabiner to be passed through.

It is designed for use on steel structures where a more abrasion resistant sling is required.

- Specifications:**
- Rated load 40kN
  - Heavy duty polyester webbing
  - Individual serial number
  - Length variations available on request

**Product Code(s):**  
50cm Strop: L0013  
1m Strop: L0012  
1.5m Strop: L0014



# Cows Tail Rope Lanyard

**Conforms to:**  
EN354:2010

The Cows Tail Rope Lanyard has multiple applications, with a tensile strength of 22kN, the high-twist 32-strand mantle braid provides high abrasion protection, better grip and high dirt resistance. The cows tail is also a great help when traversing steel work and also easy to take off the front of your harness and store away unlike knotted systems.

The standard length of the lanyard is 60cm legs and 30cm middle leg. Variations of the size can be requested. Please note the connector is not supplied.

- Specifications:**
- Lanyard strength: 22kN
  - All rope is polyamide (nylon) low stretch, except for HVR, which is polyamide/polyester.
  - Length variations available on request
  - Note: These lanyards are not to be used for fall arrest. Lanyards complying to EN354 must be used in conjunction with an energy absorber complying to EN355 for fall arrest and not to exceed 2m in length.

**Product Code(s):** Cows Tail Rope Lanyard: L0020

**Colour Choices:**

White & Red	Red	Blue	Red & Black	Olive Green	Black	HVR Yellow	HVR Orange
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# Rope Lanyard



**Conforms to:**  
EN354:2010

Our fixed length Rope Lanyard is ideally suited for restraint.

Available in three different diameters to suit your preference, the 32 strand mantle braid of the 11mm & 12mm versions offers excellent abrasion & dirt resistance, whereas the 10.5mm version has a 64 strand braid for even higher protection against abrasion.

With a wide range of colour choices, the lanyards can now be individualised to indicate length, kit, or any other purpose.

- Specifications:**
- Strength: 22kN
  - All rope is polyamide (nylon) low stretch, except for HVR, which is polyamide/ polyester.
  - Length variations available on request
  - Lanyards can be supplied fitted with an EN362 connector

**Product Code(s):** 1m Lanyard: L0017100  
1.5m Lanyard: L0017150  
2m Lanyard: L0017200

**11mm Colour Choices:**

White & Red	Red	Blue	Red & Black	Olive Green	Black	HVR Yellow	HVR Orange
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# Y Shaped Rope Lanyard

**Conforms to:**  
EN354:2010

The Y-Shaped Rope Lanyard has multiple applications, with a tensile strength of 22kN.

The high-twist 32-strand mantle braid provides for high dirt resistance, better grip and high abrasion protection.

- Specifications:**
- Sling Strength: 22kN
  - All rope is polyamide (nylon) low stretch, except for HVR, which is polyamide/ polyester.
  - Length variations available on request
  - Note: These lanyards are not to be used for fall arrest

**Product Code(s):** 30-60cm Lanyard: L0022

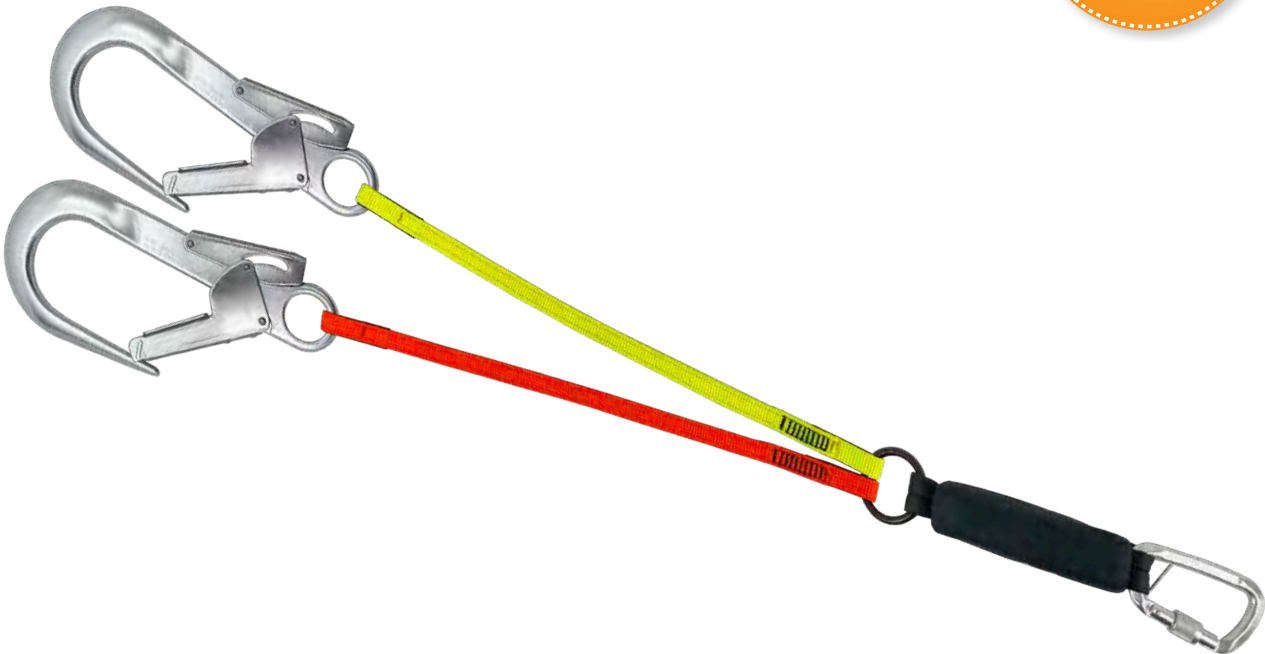
**Colour Choices:**

White & Red	Red	Blue	Red & Black	Olive Green	Black	HVR Yellow	HVR Orange
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# Fall Arrest Lanyards

## 18mm Webbing Shock Absorbing Lanyards



**Conforms to:**  
EN355:2002

The 18mm Webbing Shock Absorbing Lanyard, in single or twin leg lanyard utilising the new, more compact shock pack. Featuring 18mm double thickness polyester webbing, the ring may be used for clipping back or parking the lanyard ends.

Supplied as standard with Scaffold Hooks; can be supplied with other connectors or no connectors on request.

**Specifications:**

- Maximum working load: 130kg
- Length without connectors: 1.3m
- Length with connector: 1.6m
- Standard Colours: Hi Vis Orange & Hi Vis Yellow

**Product Code(s):**

Single 18mm Shock Absorbing Lanyard – No Cons: L0001  
Single 18mm Shock Absorbing Lanyard – With Scaffold: L0001C

Twin 18mm Shock Absorbing Lanyard – No Cons: L0004  
Twin 18mm Shock Absorbing Lanyard – With Scaffold: L0004C

**Colour Choices:**



## Single Clip Loop Lanyard

**Conforms to:**  
EN355:2002

A single leg shock absorbing lanyard of simple construction; made from 25mm polyester webbing with a clip back loop that can be used for connecting around larger anchors.

Supplied as standard with scaff hooks; can be supplied with other connectors or no connectors on request.

**Specifications:**

- Standard Colour: Blue
- Length without connectors: 1.3m
- Length with connectors: 1.6m
- Maximum working load: 130kg

**Product Code(s):**

Single Clip Loop Lanyard – No Cons: L0010S  
Single Clip Loop Lanyard – With Scaffold: L0010S

**Choice of fittings:**

For more details on all of our connectors please see pages 36-41



**Colour Choices:**



## Twin Clip Loop Lanyard

**Conforms to:**  
EN355:2002

A twin leg shock absorbing lanyard utilising the new, more compact shock pack. Featuring 25mm double thickness polyester webbing with clip back loops that can be used for connecting around larger anchors. The ring may also be used for clipping back or parking the lanyard ends.

Supplied as standard with scaff hooks; can be supplied with other connectors or no connectors on request.

**Specifications:**

- Standard Colour: Blue
- Length without connectors: 1.3m
- Length with connectors: 1.6m
- Maximum working load: 130kg

**Product Code(s):**

Twin Clip Loop Lanyard – No Cons: L0010T  
Twin Clip Loop Lanyard – With Scaffold: L0010TC

**Choice of fittings:**

For more details on all of our connectors please see pages 36-41



**Colour Choices:**





# 11mm Rope Shock Absorbing Lanyards

## Conforms to:

EN355:2002

Our 11mm Rope Shock Absorbing Lanyards are available as a single or a twin leg, utilising the new, more compact shock pack. Featuring 11mm rope, the ring may be used for clipping back or parking the lanyard ends.

Supplied as standard with Scaffold Hooks; can be supplied with other connectors or no connectors on request.

## Specifications:

- Maximum working load: 130kg
- Length without connectors: 1.3m.
- Length with connector: 1.6m
- Standard Colour: White
- Material: 11mm Low Stretch Rope

## Product Code(s):

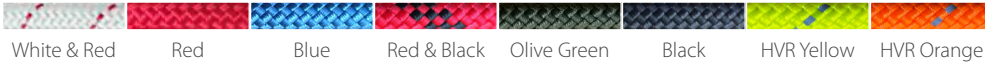
Single 11mm Rope Shock Absorbing Lanyard – No Cons: L0019

Single 11mm Rope Shock Absorbing Lanyard – With Scaffold: L0019C

Twin 11mm Rope Shock Absorbing Lanyard – No Cons: L0021

Twin 11mm Rope Shock Absorbing Lanyard – With Scaffold: L0021C

## Colour Choices:



# Adjustable Rope Shock Absorbing Lanyard

## Conforms to:

EN355:2002

A single adjustable leg shock absorbing lanyard utilising the new, more compact shock pack. Featuring 11mm rope with adjustable length, the ring may be used to clip back or park the lanyard end.

Only supplied with Scaffold Hooks; can be supplied with other connectors or no connectors on request.

## Specifications:

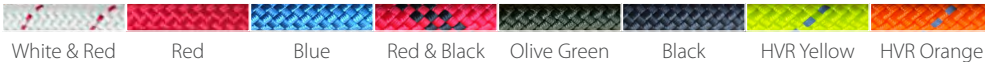
- Maximum working load: 130kg
- Maximum length without connectors: 1.3m
- Maximum length with connector: 1.6m
- Standard Colour: White
- Material: 11mm Low Stretch Rope

## Product Code(s):

Adjustable Rope Shock Absorbing Lanyard – without connector: L0003

Adjustable Rope Shock Absorbing Lanyard – With Scaffold: L0003C

## Colour Choices:



# Elasticated Shock Absorbing Lanyards

## Conforms to:

EN355:2002

Our Elasticated Webbing Shock Absorbing Lanyard are available as a single or as twin a leg lanyard, utilising the new, more compact shock pack. Featuring 35mm elasticated webbing that reduces the risk of trip hazards and tangles. The ring may be used for clipping back or parking the lanyard ends.

Supplied as standard with Scaffold Hooks; can be supplied with other connectors or no connectors on request.

## Specifications:

- Maximum working load: 130kg
- Length without connectors: 1.3m.
- Length with connector: 1.6m
- Material: 35mm elasticated webbing

## Product Code(s):

Single Elasticated Shock Absorbing Lanyard – No Cons: L0007

Single Elasticated Shock Absorbing Lanyard – With Scaffold: L0007C

Twin Elasticated Shock Absorbing Lanyard – No Cons: L0008

Twin Elasticated Shock Absorbing Lanyard – With Scaffold: L0008C



# Adjustable Clip Back Shock Absorbing Lanyard

## Conforms to:

EN355:2002

Our Adjustable Clip Back Shock Absorbing Lanyard are available as a single or a twin leg lanyard utilising the new, more compact shock pack. Featuring 25mm double thickness polyester webbing with an adjuster buckle that the termination connector can be clipped back to for larger anchors. The ring may also be used for clipping back or parking the lanyard ends.

Only supplied with Scaffold Hooks; can be supplied with other connectors or no connectors on request.

## Specifications:

- Maximum working load: 130kg
- Length without connectors: 1.3m.
- Length with connector: 1.6m

## Product Code(s):

Single Adjustable Clip Back Shock Absorbing Lanyard

– With Scaffold: L0011C

Twin Adjustable Clip Back Shock Absorbing Lanyard

– With Scaffold: L0016C





# Adjustable Lanyards



## RAD Work Positioning Lanyard

### Conforms to:

EN358:2018, EN795:2012-B, EN12841:2006-C (Device),  
EN15151-1:2012-6 (Device) & EN341:2011/2D (when used with  
approved pre-threaded rope)

Our Rope Adjustment Device (RAD) evolved from our A-B Descender. Both multi functional devices, the RAD is smaller, lighter and has been tested to and conforms with more European Standards for a wider variety of applications.

This means that the RAD can be used as a stand alone device in many more environments, therefore reducing the need for multiple devices and increased cost.

The swivel plate screw can be removed and the device opened for changing damaged rope, or for fitting onto a descent rope.

The RAD Work Positioning Lanyard is supplied with our 11mm Low Stretch Rope, with a sewn eye at one end and a sewn stopper at the other. It can be supplied to any length on request, with any of our EN362 connectors.

The RAD can be used in many environments where an adjustable lanyard, pole strap/rope or restraint is required.

### Specifications:

- EN358:2018 Max weight 150kg
- EN795:2012-B One person load
- EN12841:2006-C (Device) Rope diameter 10.5mm-11.0mm Max weight 130kg
- EN15151-1:2012-6 (Device) Rope diameter 9.9mm-11.3mm
- EN341:2011/2D (when used with approved pre-threaded rope) 1x 200m Max weight 104kg- Min weight 40kg

### Product Code(s):

2m Lanyard: RAD-2M  
3m Lanyard: RAD-3M  
4m Lanyard: RAD-4M  
5m Lanyard: RAD-5M

### Choice of fittings:

- Aluminium Hook
- Lite Klet
- Scaffold Hook
- Double Action Snap Hook
- Triple Action Snap Hook

For more details on all of our connectors please see pages 36-41

### Colour Choices:

As standard the lanyard comes with white





# Adjustable Rope Lanyard

**Conforms to:**  
EN358:2018

Made with a galvanised steel slide buckle and low stretch rope, the Adjustable Rope Lanyard provides good abrasion protection, better grip and high dirt resistance.

This lanyard is ideal for work positioning and work restraint.

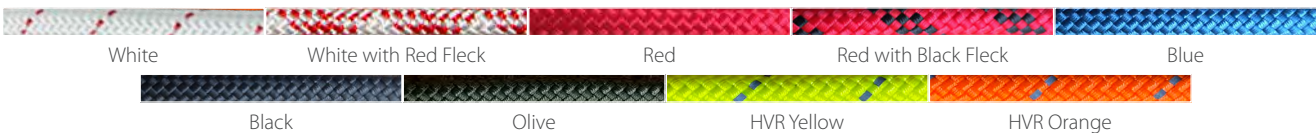
**Specifications:**

- Lanyard strength: 15kN
- 10.5mm, 11mm, or 12mm Low Stretch Rope
- Eye size and length variations available on request
- Note: These lanyards are must NOT be used for fall arrest.

**Product Code(s):**

1m Lanyard: L0018100  
1.5m Lanyard: L0018150  
2m Lanyard: L0018200

**Colour Choices:**



# Dynamic Adjustable Rope Lanyard

**Conforms to:**  
EN358:2018

Our Dynamic Adjustable Rope Lanyard is available in 2 options, both are ideal for high ropes courses and adventure parks.

Dynamic Adjustable Rope Lanyard with galvanised steel buckle and 11.3mm dynamic rope, for situations where the length is less frequently adjusted.

Dynamic Easy Adjust Rope Lanyard with aluminium buckle and 11.3mm rope, which offers easier length adjustment.

**Specifications:**

- Lanyard strength: 15kN
- 11.3mm dynamic rope
- Length variations available on request
- Note: These lanyards are must NOT be used for fall arrest

**Product Code(s):**

1m with Galvanised Buckle: L0033100  
1.5m with Galvanised Buckle: L0033150  
2m with Galvanised Buckle: L0033200  
  
1m with Aluminium Buckle: L0032100  
1.5m with Aluminium Buckle: L0032150  
2m with Aluminium Buckle: L0032200



# Adjustable Webbing Lanyard

**Conforms to:**  
EN358:2018

The Adjustable Webbing Lanyard is a good choice for many different work positioning and work restraint applications. It has tensile strength of 15kN and is made of high spec polyester webbing.

**Specifications:**

- Lanyard strength: 15kN
- High grade 25mm polyester webbing
- Length variations available on request

**Product Code(s):**

1m Lanyard: L0040-1  
1.5m Lanyard: L0040-1.5  
2m Lanyard: L0040-2  
2.5m Lanyard: L0040-2.5

**Colour Choices:**



# Easy Adjust Rope Lanyard

**Conforms to:**  
EN358:2018

Made with low stretch rope and an aluminium slide buckle for easier adjustment, the Easy Adjust Rope Lanyard provides good abrasion protection, better grip and high dirt resistance. Ideal for work positioning and work restraint. A favourite for high ropes courses & adventure parks.

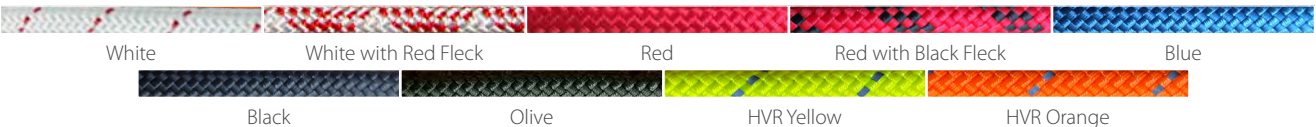
**Specifications:**

- Lanyard strength: 15kN
- 10.5mm, 11mm, or 12mm Low Stretch Rope
- Eye size and length variations available on request
- Note: These lanyards are not to be used for fall arrest

**Product Code(s):**

1m Lanyard: L0018100AL  
1.5m Lanyard: L0018150AL  
2m Lanyard: L0018200AL

**Colour Choices:**



# Karabiners & Connectors



## Klet Karabiner

The Klet is a lightweight, high strength karabiner, ideal for technical rope work. It has a wide base and excellent gate clearance.

Made from high grade alloy bar, which is then pressed into shape to give extra strength, and a high tensile strength for its large size. Features a non-snag design, to eliminate the risk of materials catching in the gate.

### Specifications:

- MBS: 30kN
- Gate open strength: 11kN
- Side load strength: 10kN
- Gate opening: 26mm
- Material: Anodised aluminium alloy
- Weight: 92g Length: 116mm Width: 79mm
- Individual serial number



### Product Code(s):

Lobster Klet: K0005L  
Black Klet: K0005B NSN:8465-99-488-9715

### Conforms to:

EN362:2004

## Steel Klet Karabiner

The Steel Klet has the same dimensions as the alloy Klet, a wide base and excellent gate clearance. Its heavier weight has the added benefit of almost doubling the tensile strength of the alloy version.

Features a non-snag design, to eliminate the risk of materials catching in the gate.

### Specifications:

- Strength: 50kN
- Gate opening strength: 20kN
- Sideways strength: 15kN
- Gate open size: 25mm with screw gate lock
- Material: Steel zinc plated
- Weight: 235g Length: 119mm Width: 77mm
- Individual serial number



### Product Code(s):

Steel Klet: K0007

### Conforms to:

EN362:2004

## Triple Action Klet Karabiner

As the name suggests, the karabiner with a triple action lock gate. As with all of our Klet range it features a high weight to strength ratio giving a high tensile strength making this a very versatile karabiner.

Features a non-snag design, to eliminate the risk of materials catching in the gate.

### Specifications:

- Strength: 30kN
- Gate opening strength: 11kN
- Sideways strength: 8kN
- Gate open size: 26mm with triple action gate lock
- Material: Alloy
- Weight: 98g Length: 119mm Width: 77mm
- Individual serial number



### Product Code(s):

Triple Action Klet: K0004

### Conforms to:

EN362:2004



# Lite Klet Karabiner

Ideal for technical rope kits where weight is a factor, the Lite Klet has a wide base and excellent gate clearance.

This variation of the Klet has the availability of having a pin fitted, making it ideal for adding to lanyards. Features a non-snag design, to eliminate the risk of materials catching in the gate.

## Specifications:

- Strength: 30kN
- Gate opening strength: 10kN
- Sideways strength: 10kN
- Gate open size: 19mm with screw gate lock
- Material: Alloy
- Weight: 72g Length: 110mm Width: 65mm
- Individual serial number



## Product Code(s):

Lite Klet: K0003

## Conforms to:

EN362:2004

# Steel Oval Karabiner

The standard Steel Oval karabiner with screw gate, with a high weight to strength ratio giving a high tensile strength making this a very versatile karabiner.

## Specifications:

- MBS: 25kN
- Gate opening: 17mm
- Material: Plated steel
- Weight: 174g Length: 106mm Width: 55mm
- Individually serial numbered



## Product Code(s):

Steel Oval: K0017

## Conforms to:

EN362:2004

# Gecko Karabiner

Light & versatile, the Gecko is made from high grade alloy bar, which is then pressed into shape, giving the karabiner extra strength.

Features a non-snag design, to eliminate the risk of materials catching in the gate.

## Specifications:

- Strength: 30kN
- Gate opening strength: 10kN
- Sideways strength: 9kN
- Gate open size: 22mm with screw gate lock
- Material: Alloy, anodized black or gold
- Weight: 84g Length: 114mm Width: 78mm
- Individual serial number



## Product Code(s):

Gecko: K0001

## Conforms to:

EN362:2004

# Double Action Scaffold Hook

The Double Action Scaffold Hook is the ideal connector for use on lanyards. The large gate opening makes this a versatile connector when working around steel work.

## Specifications:

- Minimum breaking strain: 25kN
- Gate opening: 65mm
- Eye diameter: 30mm
- Number of actions: 2
- Weight: 490g Length: 25cm Width: 13cm
- Material: Aluminium with anodised finish
- Colour: Natural



## Product Code(s):

Double Action Scaffold Hook: X0035

## Conforms to:

EN362:2004

# Aluminium Hook

Our Aluminium Hook is ideal for use as a terminal and directional connector for lanyards. The double action gate makes it easy to handle when wearing gloves and is shaped to protect the levers in case of impacts on flat surfaces.

## Specifications:

- Minimum breaking strain: 25kN
- Gate opening gap: 21mm
- Eye diameter: 18mm
- Weight: 144g Length: 134mm Width: 68mm
- Material: Aluminium with natural finish



## Product Code(s):

Aluminium Hook: K0006

## Conforms to:

EN362:2004

# Triple Action Snap Hook

The Triple Action Snap Hook is fitted with a third action catch for increased safety. This triple-action hook is ideally suited for lanyard connectors

The safety heel further reduces the risk of accidental opening. Features a non-snag design, to eliminate the risk of materials catching in the gate.

## Specifications:

- Minimum breaking strain: 27kN
- Gate opening gap: 22mm
- Eye diameter: 20mm
- Weight: 108g Length: 14.5cm Width: 7cm
- Material: Aluminium with anodised finish
- Colour: red/grey or all black on request
- Individual serial number



## Product Code(s):

Triple Action Snap Hook: X0079

## Conforms to:

EN362:2004

# Double Action Snaphook

The Double Action Snap Hook is fitted with an opening mechanism which requires the gate and second-action keeper to be engaged simultaneously, in order to open the device. This opening sequence helps to reduce the risk of unintentional opening of the gate. The snap hook has a 'keylock' anti-snag nose.

## Specifications:

- Minimum breaking strain: 28kN
- Gate opening: 26mm
- Eye diameter: 20mm
- Number of actions: 2
- Weight: 145g Length: 14.5cm Width: 7cm
- Material: Aluminium with anodised finish
- Colour: All Black



**Product Code(s):**  
Double Action Snaphook: K0002

**Conforms to:**  
EN362:2004

# Delta Steel Maillon

**Conforms to:**  
EN12275 & EN362:05/Q

The Delta Steel Maillon is used mainly in rescue and rope access. It is used for three way loads, for equalizing two single pulleys to work as twin, to fix a pulley to an ascender for using it as a pulley brake and as a lifting link on stretcher straps to mention just a few.

The Delta maillon is available in 2 different sizes, 10mm and 8mm.

## Specifications: 8mm

- Strength: 27.5kN
- Gate open size: 10mm
- Wire size: 8mm
- Material: Mild steel galvanised
- Height: 73mm
- Width: 56mm
- Weight: 92g
- Individual serial numbered

## Specifications: 10mm

- Strength: 45kN
- Gate open size: 12mm
- Wire size: 10mm.
- Material: Mild steel galvanised
- Height: 88mm
- Width: 66mm
- Weight: 158g
- Individual serial numbered

## Product Code(s):

8mm Steel: M0004 8mm Black: M0004B  
10mm Steel: M0001 10mm Black: M0001B

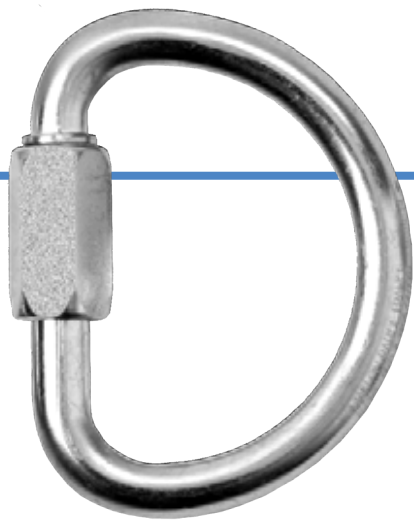


# 'D' Steel Maillon

The 'D' Steel Maillon was initially used by the sport & caving industry as a front connection to their sit harness. It allows the joining of the two webbing loops and also allows multiple connections of other maillons or karabiners.

## Specifications:

- Strength: 25kN
- Gate open size: 18mm
- Material: Mild steel galvanised
- Weight: 174g
- Length: 107mm
- Width: 56mm
- Individual serial numbered



**Product Code(s):**  
10mm 'D': M0006

**Conforms to:**  
EN12275 & EN362:05/Q

# Oval Steel Maillon

The Oval Steel Maillon is a long opening maillon and is possibly the most used style of all the maillon products. This maillon will cover most requirements in rope access and rescue, and can be used in lots of different areas.

## Specifications:

- Strength: 25kN
- Gate open size: 16mm
- Material: Mild steel galvanised
- Height: 78mm
- Width: 30mm
- Weight: 61g
- Individual serial numbered



**Product Code(s):**  
7mm Oval: M0012

**Conforms to:**  
EN12275 & EN362:05/Q

# Pear Steel Maillon

The Pear Steel Maillon can be used as an added connection to the front of sit harness, giving a second or third independent connection point.

It may also be used in certain techniques in rescue for a multi connection point.

## Specifications:

- Strength: 36kN
- Gate open size: 20.5mm
- Material: Mild steel galvanised
- Height: 118mm
- Width: 65mm
- Weight: 184g
- Individual serial numbered



**Product Code(s):**  
10mm Pear: M0009

**Conforms to:**  
EN12275 & EN362:05/Q



# Ascenders & Descenders

## RAD Rope Adjustment Device

### Conforms to:

EN12841:2006-C, EN15151-1:2012-6, EN358:2018 (when used with SAR RAD Rope Lanyard), EN795:2012-B (when used with SAR RAD Rope Lanyard) & EN341:2011/2D (when used with approved pre-threaded rope)

An extremely versatile, compact and lightweight device, the RAD is the ideal descender for those wanting to minimise equipment weight, or as a spare for emergency use.

The ability of the RAD to be used in many different situations is what makes it the ideal addition to any work at height kit:

- Personal descender in a rope access type system
- Progress capture device for hauling or tensioned lines
- Belay device when used with dynamic rope
- Adjustable work positioning lanyard when paired with a RAD Rope Lanyard
- Temporary moveable anchor around a structural member (when paired with a RAD Rope Lanyard)
- Emergency escape descender when used with approved pre-threaded rope

### Specifications:

- EN12841:2006-C Rope diameter 10.5mm-11.0mm Max weight 130kg
- EN15151-1:2012-6 Rope diameter 9.9mm-11.3mm
- EN358:2018 (when used with SAR RAD Rope Lanyard) Max weight 150kg
- EN795:2012-B (when used with SAR RAD Rope Lanyard) One person load
- EN341:2011/2D (with approved pre-threaded rope) 1x 200m Max weight 104kg- Min weight 40kg
- Weight: 310g

### Product Code(s):

RAD: X0147



## A-B Descender

### Conforms to:

EN341-B:2011 & EN12841-C:2006

The A-B Descender is a multi-use device for industrial rope access, rescue and intervention/ tactical applications. It can be used as a personal descender, a lowering device, or for progress capture in a hauling system, as well as forming part of a rescue kit.

The handle can be used in basic squeeze to go mode, or it can be flipped down for extra leverage and more precision. The handle is spring loaded to return to the storage position when not in use.

The A-B features a Panic Grab Brake (PGB), which will halt the descent if the handle is pulled too hard. The PGB can be disengaged for experienced users, or for those who require a faster descent (eg. Intervention)

The A-B conforms to EN12841-C as a standalone rope adjustment device (descender). It also conforms to EN341/2D (descenders for rescue), which is for use as part of a system and must be used with the type of rope with which it was tested.

### Specifications:

EN12841:

- Max load: 150kg (max 200kg for rescue)
- Rope: 10.5mm – 11mm diameter EN1891-A

EN341:

- Min user weight: 40kg
- Max user weight: 120kg
- Rope: Specified 10.5mm to 11mm EN1891 (see user guide)Max 1x 200m descent (may be re-used following inspection)

### Product Code(s):

Gold A-B: RA002  
Black A-B: RA002B  
NSN: 4240-99-244-1085

### Colour Choices:



# Figure of 8 With Ears

The traditional figure of 8 abseil/lowering device has been improved with the addition of ears, to prevent accidental rolling of the rope into a locked position.

Due to the rope twisting, it is not recommended for use with rope that comes straight out of a bag.

We strongly recommend that the Figure of 8 is used with a safety back up, for example a Rocker, or a Prussic loop.

## Specifications:

- Rated Strength: 35kN
- Rope size: 9 – 13mm diameter.
- Weight: 200g

## Product Code(s):

Figure of 8: RA017



# Clean Cam Ascender

## Conforms to:

EN567:2013 & EN12841:2006-B

The Clean Cam Ascender is made from lightweight aluminium plate, with an ergonomic soft nylon handle, making it ideal for use in industrial rope access, or as part of a rescue kit.

The ascender is available colour coded for left and right handed, or can be supplied in black.

## Specifications:

- Rope Size: 8mm to 13mm
- Material: Anodised aluminium
- Weight: 216g

## Product Code(s):

### Right Handed:

Lobster: RA023L  
Black: RA023B  
NSN:8465-99-687-3300

### Left Handed:

Black: RA022B  
NSN:8465-99-153-7623

## Colour Choices:



# Standard Ascender

## Conforms to:

EN567:2013

The Standard Ascender is made for continuous use in the arduous environments. It's heavy duty aluminium construction and stainless steel cam make it ideal for professional rescue teams.

The ascender is supplied colour coded, red for left handed and green for right handed.

## Specifications:

- Colour: Left Handed Red, Right Handed Green
- Rope size: 10 to 13mm
- Material: Anodised aluminium
- Weight: 400g

## Product Code(s):

Left Handed: RA004  
Right Handed: RA005

## Colour Choices:



# Chest Croll

## Conforms to:

EN567:2013 & EN12841:2006-B

The Chest Croll is designed to fit flat against the body between a sit harness and chest harness. The SAR Kite chest harness incorporates a strap for connection to the top hole of the Croll.

It can be used alongside a handled ascender & foot loop to ascend a rope.

## Specifications:

- Rope Size: 8 to 13mm
- Material: Anodised aluminium
- Weight: 130g

## Product Code(s):

Chest Croll: RA009





# Back-Up Devices



## Rocker Back-up Device

### Conforms to:

EN358:2018, EN353-2:2002 & EN12841-A:2006

The Rocker is designed primarily as a safety back-up in two-rope systems (industrial rope access, technical rescue, etc), as a fall arrest device in the event of main line failure.

It is suitable for use as a back-up in a 2-person rescue scenario, as it is rated to 200kg.

To be used as a EN12814-A (safety line adjustment device) back-up, the Rocker must be connected to the upper (sternal/chest) connection point on the user's harness. We recommend it is used with our 10cm Rocker Sling Assembly.

The Rocker may also be used as part of a flexible line fall arrest set-up on a ladder/tower, as a pulley brake for hauling, or in many other situations.

We strongly recommend that technicians are trained in the use of the Rocker.

### Specifications:

- Average static load: 3.5kN
- Max dynamic impact: 5.9kN
- Static strength: 15kN
- Max dynamic impact: 200kg 5.7kN
- Max Static: 350kg
- Material high strength alloy with hard anodising on cams
- Weight: 169g

### Uses:

- Fall arrest back up device
- Work positioning locking device
- Horizontal safety line absorbing anchor
- Rope Access & Rescue safety back-up
- Pulley brake
- Ascender
- Belay brake

### Product Code(s):

Gold Rocker: RA003  
Black Rocker: RA003B  
NSN: 4240-99-820-0579  
Rocker Sling Assembly: S0014NEW

### Colour Choices:



Rocker Sling Assembly  
For more information see page 25





# Pulleys & Pulley Systems



## Standard Pulleys

### Conforms to:

EN12278:2007

The go-to pulley for industrial rope access and technical rescue.

It utilises highly efficient bearings, making it ideal for hauling or in cableway systems, as well as many other uses.

Available as a single or double pulley.

### Specifications:

#### Single Pulley:

- Strength: 36kN
- Max 13mm rope
- Material: High grade alloy
- Side plate size: Height 90mm
- Width: 52mm
- Weight: 158g
- Individual serial number

#### Double Pulley:

- Strength: 36kN
- Max 13mm rope
- Material: High grade alloy
- Side plate size: Height 110mm
- Width: 52mm
- Weight: 284g
- Individual serial number

### Product Code(s):

Single Standard Pulley: P0016  
Double Standard Pulley: P0019

### Colour Choices:



## Mini Pulleys

### Conforms to:

EN12278:2007

The smaller, more light weight version of the Standard Pulley. Ideal when kit weight is a consideration.

Also available as a single or double pulley.

### Specifications:

#### Mini Single Pulley:

- Strength: 36kN
- Max 13mm rope
- Material: High grade alloy
- Side plate size: Height 75mm
- Width: 45mm
- Weight: 87g
- Individual serial number

#### Mini Double Pulley:

- Strength: 36kN
- Max 13mm rope
- Material: High grade alloy
- Side plate size: Height 94mm
- Width: 44mm
- Weight: 153g
- Individual serial number

### Product Code(s):

Single Mini Pulley: P0010  
Double Mini Pulley: P0014

### Colour Choices:





# Double Ended Pulley

## Conforms to:

EN12278:2007

The Double Ended Pulley is for use in hauling or tensioning systems which require an extra connection point.

It features the same high efficiency bearings as the Standard Pulley.

## Specifications:

- Strength: 36kN
- Max 13mm rope
- Material: High grade alloy
- Side plate size: Height 126mm
- Width: 52mm
- Weight: 181g
- Individual serial number

## Product Code(s):

Double Ended Pulley: P0018

## Colour Choices:



# Single Steel Pulley

## Conforms to:

EN12278:2007 & NFPA 1983

The Single Steel Pulley has been designed for use with wire rope and for use on zip wires. The bushing bearing on this pulley is ideal for high loads.

A Double Steel Pulley can be produced on request

## Specifications:

- Strength: 40kN
- Max 13mm rope
- Material: Stainless steel
- Finish: Polished
- Side plate size: Height 130mm
- Width: 88mm
- Weight: 398g

## Product Code(s):

Single Steel Pulley: P0020



# Casualty Pulley System

Our Casualty Pulley System features small marine grade pulleys and 6mm prussic cord and is used to lift casualties onto stretchers or transfer their load from safety lines, slings or rope to the rescue system.

It has a 6:1 mechanical advantage ratio and when tested with the cord and positioned in its locking cleat held at 9kN.

It is both neat and compact and comes as shown with compact ascender and karabiner fitted complete with its own storage pouch.

## Specifications:

- W.L.L. 150kg (safety factor 6-1)
- Max working length: 2m
- Pulley working ratio: 6:1
- Fits onto harness waist belt and comes with its own waist strap
- Variations in lengths on request
- Pouch Size: 20cm x 16cm x 7cm
- Weight: 812g

## Product Code(s):

Casualty Pulley System: P0001



# Rescue Pulley System

The Rescue Pulley System is made from marine grade pulleys and 8mm kernmantle cord, has an integral twin cam brake that can be set at differing angles for positive locking or unlocking and has a 3:1 mechanical advantage ratio.

It is an ideal piece of kit for getting an injured worker up a cable line, off an activated lanyard or transferring from rope to rope, along with many other emergency applications.

It must always be used along with a safety back-up system.

## Specifications:

- W.L.L. 150kg (safety factor 6-1)
- Pulley working ratio: 3:1
- Max. working length from the casualty: 7.5m
- Max. working length from top anchor: 10m
- Bag size: 40cm long x 20cm diameter
- Weight: 2kg
- Variation in lengths on request

## Product Code(s):

Rescue Pulley System: P0002





# Bags



## Rope Bags

Our Rope Bags are available in four sizes and six different colours. All SAR bags have an outside pocket for any documentation (eg. rope record card), draw cord closure and fitted stainless steel karabiner.

Our small bag has one simple adjustable shoulder carrying strap. The medium, large and ex. large bags have twin adjustable shoulder straps and a side carrying strap. All the bags are made from heavy duty high grade PVC reinforced polyester.

The Rescue Rope Bag is a customised version of our rope bag with a red reflective rescue label and reflective strip.

### Specifications:

- Small Bag - 20Ltrs or 66m of 11mm rope
- Medium Bag - 30Ltrs or 100m of 11mm rope
- Large Bag - 50Ltrs or 200m of 11mm rope
- X Large Bag - 84Ltrs or 250m of 11mm rope

### Product Code(s):

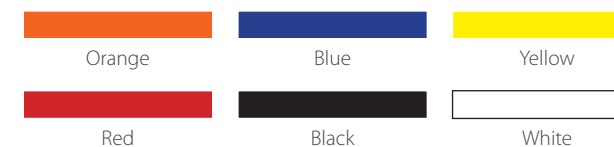
#### Rope Bags

- Small Bag: B0003
- Medium Bag: B0006
- Large Bag: B0009
- X Large Bag: B0012

#### Rescue Rope Bags

- Small Rescue Bag: B0008
- Medium Rescue Bag: B0007
- Large Rescue Bag: B0010

### Colour Choices:





# Equipment Backpack

The Equipment Backpack has been designed for rope access and rescue personnel to carry their individual equipment such as harness, helmet, slings, karabiners etc.

The front flap opens fully to provide easy access to kit, whilst the external pocket is ideal for document storage.

It has two rucksack style shoulder straps and top carrying handle.

### Specifications:

- Height: 55cm
- Width: 28cm
- Depth: 19cm
- Weight: 0.9kg

### Product Code(s):

Equipment Backpack: B0015

### Colour Choices:



# Crag Kit Bag

The Crag Kit Bag was designed in association with the Oldham Mountain Rescue Team.

With a number of compartments on internal walls that fold out it is an ideal way to keep the team kit knowing that it is all in the one bag and easy to access.

The Crag Kit Bag comes complete with shoulder straps.

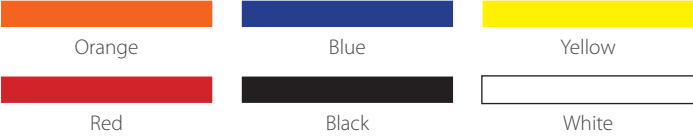
### Specifications:

- Height: 42cm
- Width: 32cm
- Depth: 12cm
- Weight: 1.4kg

### Product Code(s):

Crag Kit Bag: B0026

### Colour Choices:



# Transport Bag

Our Transport Bag is made of high quality PVC and polyester webbing. With a capacity of 63L, it is ideal for the storage of rescue kits and personal rope access kits.

Ideal for long carries due to the store away adjustable shoulder straps.

### Specifications:

- Adjustable store away shoulder straps
- Compartment to store away the shoulder straps
- 2 main carrying handles
- 2 grab/hauling handles
- Heavy duty zip
- Heavy duty high quality PVC and polyester webbing
- Capacity: 63L
- Weight: 1.4kg

### Product Code(s):

Transport Bag: B0032

### Colour Choices:



# Equipment Bag

The Equipment Bag is a multi-purpose draw string bag made from heavy duty cordura nylon.

The bag has an adjustable shoulder strap, drain hole, and a steel spring hook so you can attach it to other equipment and gear loops.

### Sizes:

- Height: 27cm
- Diameter: 27cm
- Weight: 0.35kg

### Product Code(s):

Equipment Bag: B0016SARBK



# 35L Equipment Holdall

The 35L Holdall is a standard simple design with a single zip closure and reinforced carrying handles. The bag is made from the same high quality material as our rope bags and equipment backpack.

## Specifications:

- 35L Capacity
- High quality PVC
- Weight: 0.75kg

## Product Code(s):

35L Holdall: B0018

## Colour Choices:



# 75L Equipment Holdall

The 75L Equipment Holdall has been designed for rope access and rescue personnel to carry their individual equipment and for those wishing to pack team equipment into one bag.

The twin zip flap lid allows the user to access all areas of the bag with ease. The bag has two carrying strap handles that are reinforced around the base of the bag, a drag handle at each end that can be used for hauling vertically when required, and two padded shoulder carrying straps.

## Specifications:

- 75L Capacity
- High quality PVC
- Weight: 1.4kg

## Product Code(s):

75L Holdall: B0019

## Colour Choices:



# Rope Leg Bag

With new enhanced fit and securing system.

The bag is made from heavy duty black cordura nylon with velcro leg securing straps, foot loop/stirrup strap and a hand carry strap which will allow the user to clip the bag onto their harness if required.

It has a comfortable rope capacity of 40metres of 11mm rope.

## Specifications:

- Height: 40cm
- Width: 20cm
- Depth: 17cm
- Weight: 0.3kg

## Product Code(s):

Rope Leg Bag: B0014

## Colour Choices:



# Equipment Pouches

Our Equipment Pouches come in three sizes and are made from heavy duty cordura nylon.

The smallest is mainly used as a harness pouch, the other two for equipment storage within an equipment bag.

They have velcro belt loops that can be used to strap them on to a carrying bag or backpack.

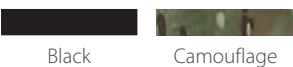
## Specifications:

- Small: Height 15cm x Width 9cm x Depth 5cm
- Medium: Height 20cm x Width 16cm x Depth 7cm
- Large: Height 23cm x Width 18cm x Depth 7cm

## Product Code(s):

Small: B0021  
Medium: B0024  
Large: B0025

## Colour Choices:





# Bolt Bag

Our Bolt Bag is made using hi-vis PVC and features reinforced webbing base.

It has a velcro flap lid, with two belt loops on the back of the bag for threading onto a waist belt.

Side pockets for holding tools, in addition to 4 tool rings, 2 on the front of the bag, with one on each side.

**Specifications:**

- Height: 27cm
- Width: 25cm
- Depth: 8cm
- Weight: 0.4kg

**Product Code(s):**

Bolt Bag: B0027

**Colour Choices:**



# AAK Bolt Bags

The AAK branded Bolt Bag is made of high quality PVC and polyester webbing.

The small Bolt Bag has a 4L capacity and the large Bolt Bag has a 9L capacity, both with a revolutionary one handed opening and closing system.

**Specifications:**

- Small Bolt Bag**
- Max rated load 2kg
  - 2 catch free tool pockets
  - Outside gear loops for tool lanyards
  - Harness attachment loop
  - Unique serial number and date of manufacture
  - Capacity: 4 Litres
  - Height 23cm x diameter 15cm
  - Weight: 200g

**Specifications:**

- Large Bolt Bag**
- Max rated load 5kg
  - 4 internal gear loops for tool lanyards
  - Harness attachment loop
  - 2 large lifting/hauling straps
  - Internal partition
  - Unique serial number and date of manufacture
  - Capacity: 9 Litres
  - Height 28cm x diameter 21cm
  - Weight: 350g

**Product Code(s):**

AAK Bolt Bag Small: AAKBOLTS  
AAK Bolt Bag Large: AAKBOLTL



# AAK Tool Holster

The AAK Tool Holster is made of hard wearing heavy duty PVC, polyester webbing and cordura.

Designed for easy access when in use, the pocket cover rolls up and clips in place for easy access.

The holster features an internal pocket for small tools, in addition to internal gear loops for storing tools neatly.

**Specifications:**

- Max rated load 2kg
- Heavy duty high quality PVC
- High quality polyester webbing
- Velcro pocket that rolls up out of the way when in use
- Separate internal pocket
- Internal gear loops for tool lanyards
- 4 eyelets for connecting to a harness
- 33cm high by 25cm wide 150mm top opening that tapers down to the bottom
- Unique serial number and date of manufacture
- Weight: 450g.

**Product Code(s):**

AAK Tool Holster: AAKTOOLHOLST



# AAK Tool Bucket

The AAK branded Tool Bucket is made of high quality PVC and polyester webbing.

The tool bucket has a 16L capacity and uses a revolutionary one handed opening and closing system.

**Specifications:**

- Max rated load 20kg
- High quality PVC and polyester webbing
- 1 handed opening and closing system
- 5 catch free tool pockets
- Outside gear loops for tool lanyards
- Harness attachment loop
- Unique serial number and date of manufacture
- Height 33cm x diameter 25cm
- Weight: 650g

**Product Code(s):**

AAK Tool Bucket: AAKTOOLBUCKET





# Rope & Cord



## 11mm Low Stretch Rope

### Conforms to:

EN1891-A:1998

Our Low Stretch Rope is ideal for many applications, due to its high strength and low weight.

The high-twist 32 strand mantle braid gives high resistance to dirt, good grip and abrasion protection.

### Specifications:

- Static strength: 32kN
- Static strength fig 8 knot: 18kN
- Static strength fig 10 knot: 22kN
- Elongation: 5%
- Outer plait (sheath): 16, Outer braids: 32, Inner core: 14
- Material: Low stretch nylon
- Weight: 75g per metre
- Standard length up to 200m - Up to 700m on special request.

### Product Code(s):

11mm Low Stretch Rope : RR001



## 11mm Rescue & Access Rope

### Conforms to:

EN1891-A:1998

Designed for arduous use on tough conditions, our Rescue & Access Rope is ideal for use in industrial rope access, technical rescue and intervention.

Although very robust, with excellent abrasion resistance, this rope maintains soft handling properties.

### Specifications:

- Static strength: 32kN
- Static strength fig 8 knot: 18kN
- Static strength fig 10 knot: 22kN
- Elongation: 5%
- Outer plait (sheath): 16, Outer braids: 32, Inner core: 14
- Material: Low stretch nylon
- Weight: 75g per metre
- Standard length up to 200m - Up to 700m on special request.

### Product Code(s):

White with red fleck Rope: RR002  
Black Rope: RR002B - NSN: 4020-99-887-0485





# 11mm High Visibility Reflective Rope

## Conforms to:

EN1891-A:1998

Developed for Rope Access, Confined Space and Technical Rescue Teams who operate at night time or in low light conditions, SAR's HVR rope has a reflective strand running through the sheath, which shines out when a light is directed towards it. Perfect for line identification in twin rope systems.

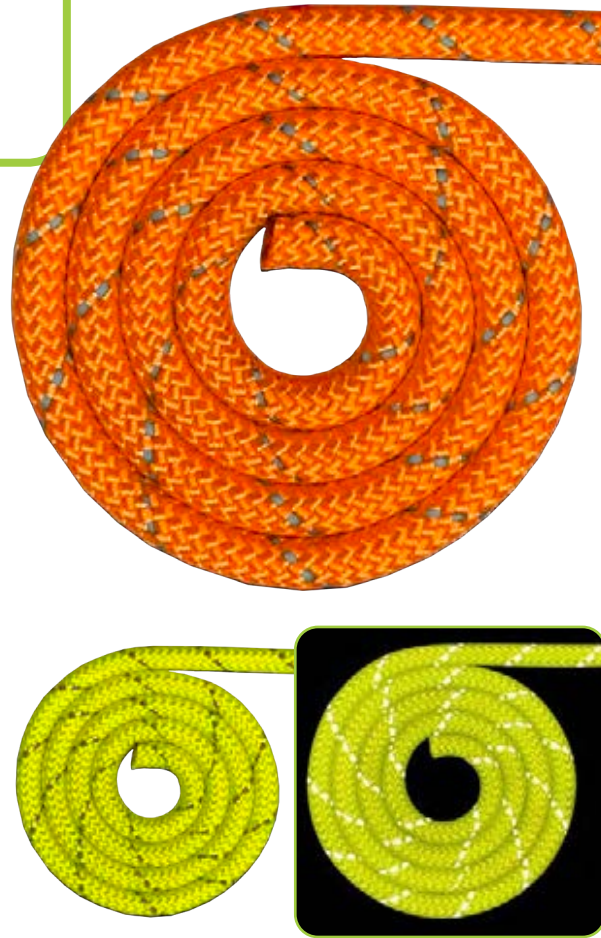
The extremely visible colouring also makes the HVR rope ideal for normal light conditions where the user's vision may be impaired by PPE, for example chainsaw or de-vegetation operations.

## Specifications:

- Material: Polyamide
- Static strength: 30kN
- 10mm: 61g Per Metre  
Outer plait (sheath): 40carrier, Outer braids: 39%, Inner core: 61%
- 11.3mm: 82g Per Metre  
Outer plait (sheath): 48 carrier, Outer braids: 36%, Inner core: 64%
- Elongation: 8%
- Standard length up to 200m - Up to 700m on special request.

## Product Code(s):

11mm Hi Vis Yellow: RR004  
11mm Hi Vis Orange: RR005



# Dynamic Rope

## Conforms to:

EN892:2016

Our Available in 10mm or 11.3mm, our Dynamic Rope is suitable for many applications, including cow's tails or for intervention lead climbing.

## Specifications:

- Material: Polyamide
- Static strength: 30kN
- 10mm: 61g Per Metre  
Outer plait (sheath): 40carrier, Outer braids: 39%, Inner core: 61%
- 11.3mm: 82g Per Metre  
Outer plait (sheath): 48 carrier, Outer braids: 36%, Inner core: 64%
- Elongation: 8%
- Standard length up to 200m - Up to 700m on special request.

## Product Code(s):

10mm Rope: RR026  
11.3mm Rope: RR027



11.3mm Dynamic Rope

10mm Dynamic Rope

# 10.5mm SAR SPT Rope

## Conforms to:

EN1891-A:1998

Our Single Pattern Technology (SPT) Rope is lighter in weight than any of our 11mm ropes, whilst still maintaining an excellent strength rating.

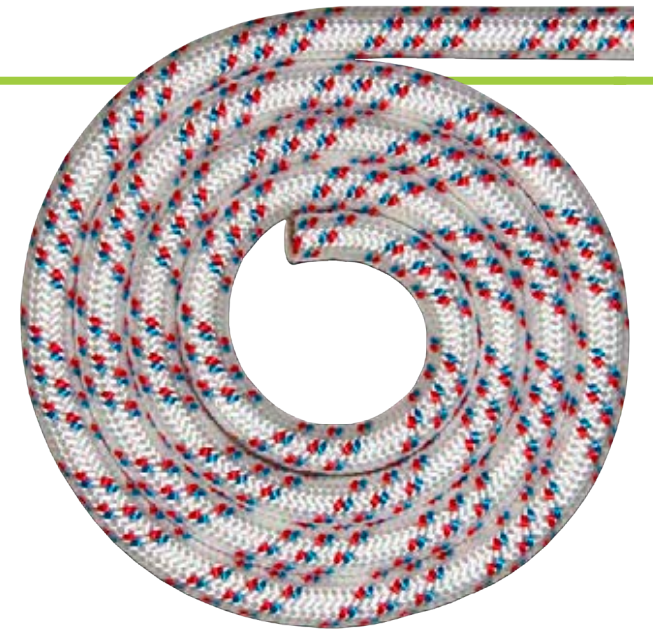
The 64-strand mantle braid makes this an extremely nice rope to handle, whilst giving the resistance and abrasion protection expected from all our ropes.

## Specifications:

- Static strength: 30kN
- Static strength fig 8 knot: 17kN
- Elongation: 5%
- Material: Low stretch nylon
- Outer plait (sheath): 32, Outer braids: 64, Inner core: 16
- Weight: 75g per metre
- Standard length up to 200m - Up to 700m on special request.

## Product Code(s):

10.5mm Rope: RR002W



# Accessory Cord

## Conforms to:

EN564:2014

The Cord is made of high grade polyester and may be used for Prusik slings and many other applications.

The high twist 32 strand mantle braid makes the accessory cord highly resistant to dirt and provides for ergonomic handling and high abrasion resistance. High quality manufacturing provides for very good strength and a low danger of cracking.

## Specifications:

- Width: 6mm or 8mm
- Minimum breaking strength 6mm Cord: 9.4kN - 8mm Cord: 14kN
- High grade polyester
- High-twist 32-strand mantle braid
- Slip-proof, dirt-resistant, abrasion-resistant
- Weight of 8mm: 50g per metre
- Weight of 6mm: 26.5g per metre

## Product Code(s):

6mm Cord: RR012  
8mm Cord: RR013



8mm

8mm

6mm



# Sewn Rope Eye

We can add a sewn eye termination on any length of 11mm rope in our range.

All rope sewn terminations are marked up with a unique serial number, length, rope diameter, and year of manufacture.

The sewn eye is covered with a transparent protective sheath that helps prevent abrasion and the ingress of dirt but allows for the ease of inspection. All standard eyes can be fitted with a thimble to protect the rope.

## Specifications:

- Static strength 22kN
- Only available on 11mm rope
- Individual serial number

## Product Code(s):

Stitched Rope Eye: RR015



# Rope Dogs

Rope Dogs are a more forgiving, safer substitute for a mechanical rope clamp in situations where overloading could damage the rope sheath. Used primarily in rope tensioning systems (e.g. cableways), a Rope Dog will slip in a controlled manner, limiting the forces applied and preventing system overload.

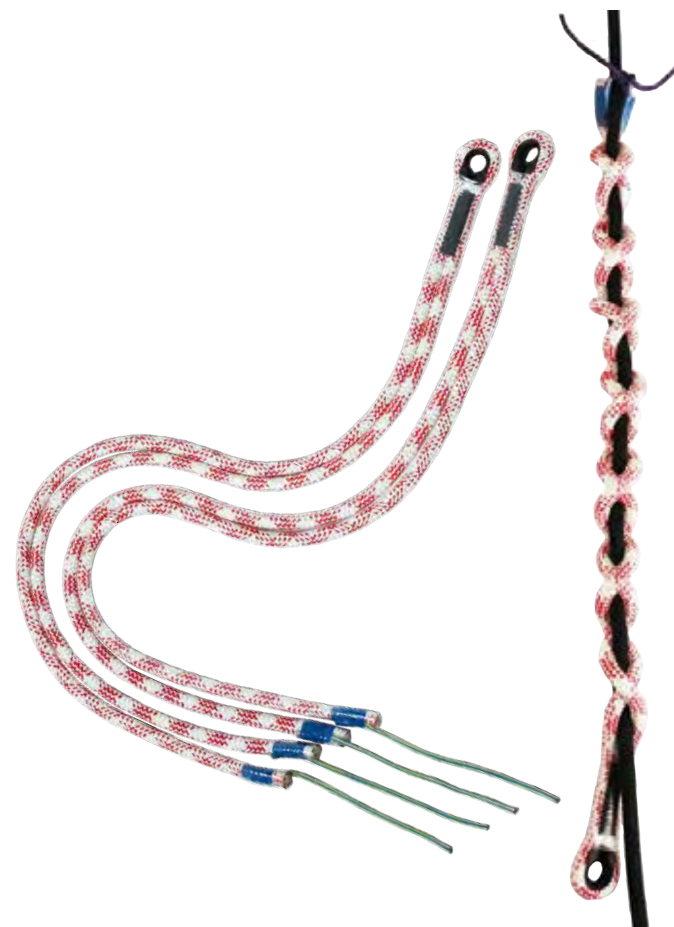
Rope Dogs are designed to be off-loaded and re-loaded under tension. Correct installation of the Rope Dog is imperative; training and instruction can be provided on request.

## Specifications:

- Sewn terminated eye
- Works on 10.5mm - 12.5mm diameter rope
- Made from 11mm low stretch rope
- Individual serial number per set

## Product Code(s):

Rope Dogs: RR025



# Edge Bars

Edge Bars are positioned on a sharp/abrasive edge to protect moving ropes, whilst minimising friction.

Each segment is attached to the next with maillons, allowing the set to be extended or shortened depending on the situation.

A set includes 2 segments and 4 maillons, complete with storage pouch.

## Specifications:

- Stainless steel bars
- Aluminium powder coated side plates
- Segment length: 15cm - width: 10cm
- Set total length: 32cm - width: 10cm
- Weight: inclusive of maillons 332gm per segment.
- Total set weight inc. equipment pouch: 728g

## Product Code(s):

Edge Bars: RA015



# Flat Pad Rope Protector

The Flat Pad Rope Protector is a two sided multi use rope protector. One side is made using heavy duty polyester webbing for use with static ropes and the other side is canvas for use with running ropes. Sandwiched in between is 6mm foam for extra padding.

The Flat Pad Rope Protector can also be wrapped around rope using the velcro fastener.

## Specifications:

- Width: 30cm
- Length: 50cm
- Velcro fastener
- 4mm cord tab

## Product Code(s):

Flat Pad Rope Protector: RR019





# SuperPro Rope Protector

SuperPro Rope Protector is the new generation of rope protectors. Utilising a layered construction of heavy duty materials, SuperPro delivers unparalleled protection for rope access, technical rescue, and military users who depend on reliability.

With a hi-vis PVC outer layer, cushioned core, and ultra hardwearing, military grade canvas contact layer, the SuperPro is built to last. The addition of a reflective strip for visibility, plus ultra-secure velcro closure and cord loop, make it the go to choice for any rope or edge protection scenario.

SuperPro units can be used alone as a standard tube rope protector, or can be linked together, either to make a flat pad, or to form a larger tube that can be used with multi-rope systems.

### Specifications:

- Width: 25cm
- Length: 85cm
- Velcro fastener
- Securing Eyelets
- 4mm cord tab

### Product Code(s):

SuperPro – Hi-Vis Yellow: RR022HIY  
SuperPro – Hi-Vis Orange: RR022HIO  
SuperPro – Black: RR022B

### Colour Choices:



# Cavas Rope Protector

Heavy duty Canvas Rope Protectors are made from ultra hardwearing, double layered military grade canvas. They feature a full length velcro side closure, and a cord loop for attachment to either the structure or to the rope.

### Specifications:

- Width: 15cm
- Length: 80cm
- Velcro fastener
- 4mm cord tab

### Product Code(s):

Canvas Rope Protector – Orange: RR023O  
Canvas Rope Protector – Teal: RR023T  
Canvas Rope Protector – Blue: RR023B  
Canvas Rope Protector – Olive Drab: RR023OD

### Colour Choices:



# PVC Rope Protector

Our Standard PVC Rope Protectors are made from reinforced polyester material, with velcro closure and cord loop. They offer protection against light abrasion only.

### Specifications:

- Width: 15cm
- Length: 70cm
- Velcro fastener
- 4mm cord tab

### Product Code(s):

PVC Rope Protector: RR021

### Colour Choices:



# Heavy Duty Rope Protector

The Heavy Duty Rope Protector is made from high grade, extra thick polyester material, which offers better protection against areas of high abrasion. It has velcro side closure and a cord loop, and is available in two different lengths: 50cm or 100cm.

### Specifications:

- Width: 15cm
- Length: 50cm or 100cm
- Velcro fastener
- 4mm cord tab

### Product Code(s):

Heavy Duty Rope Protector: RR020





# Stretchers & Lifting Slings

## EVAC Body Splint

### Conforms to:

EU Medical Devices Regulations 2017/745, Class 1 Medical Devices

The updated EVAC Body Splint features a thicker, more abrasion resistant lower skin. Alongside this is a new lightweight upper skin which maintains the overall low weight.

The EVAC has a width of 68cm across both the shoulder and hip areas and is 205cm long, giving more security and protection to the casualty.

It has six horizontal lifting loops, three down each side, positioned along the main trunk/torso of the casualty. All the main casualty securing cross straps are of 50mm webbing with adjustable clip buckles. It has an integral body harness made from 25mm web with crutch padding and adjustable foot support with padding for extra security and to stop body slip when in a vertical or angular lifting mode.

The two main vertical lifting loops are positioned at the shoulder which gives a true vertical lifting position for the casualty. The head section can be formed into a cone to deflect debris when dragging through confined spaces.

The padded head restraint strap also doubles up as the securing strap when the EVAC is rolled up for transport and storage.

It can also be used as a lifting mat without the use of the straps. Two people can transfer a casualty from one flat area to another keeping the casualty in a horizontal mode.

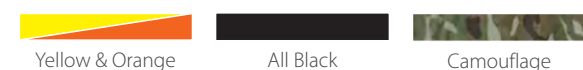
### Specifications:

- Working load limit: 150kg in a vertical lift
- Working load limit: 300kg in a horizontal lift
- Width: 68cm
- Length: 205cm
- Packed size inc. bag: 75 x 30cm
- Weight: 7.2kg

### Product Code(s):

EVAC Body Splint: ST003

### Colour Choices:



## Roll Up Stretcher Splint



### Conforms to:

EU Medical Devices Regulations 2017/745, Class 1 Medical Devices

The updated EVAC Body Splint features a thicker, more abrasion resistant lower skin. Alongside this is a new lightweight upper skin which maintains the overall low weight.

The EVAC has a width of 68cm across both the shoulder and hip areas and is 205cm long, giving more security and protection to the casualty.

It has six horizontal lifting loops, three down each side, positioned along the main trunk/torso of the casualty. All the main casualty securing cross straps are of 50mm webbing with adjustable clip buckles. It has an integral body harness made from 25mm web with crutch padding and adjustable foot support with padding for extra security and to stop body slip when in a vertical or angular lifting mode.

The two main vertical lifting loops are positioned at the shoulder which gives a true vertical lifting position for the casualty. The head section can be formed into a cone to deflect debris when dragging through confined spaces.

The padded head restraint strap also doubles up as the securing strap when the EVAC is rolled up for transport and storage.

It can also be used as a lifting mat without the use of the straps. Two people can transfer a casualty from one flat area to another keeping the casualty in a horizontal mode.

### Specifications:

- Working load limit: 150kg in a vertical lift
- Working load limit: 300kg in a horizontal lift
- Width: 68cm
- Length: 205cm
- Packed size inc. bag: 75 x 30cm
- Weight: 7.2kg

### Product Code(s):

EVAC Body Splint: ST003

### Strap Colour Choices:





# Alpine Steel Stretcher

## Conforms to:

Medical Device Regulations 2017/745, Class 1 Medical Device

The latest version of the Alpine Steel Stretcher incorporates a longer overall length, as well as a wider, parallel midsection to allow for a larger casualty. It still features the same flat bed style, which makes loading and transferring a casualty much easier than a basket type stretcher.

The Alpine Stretcher folds in half ski to ski so that it can be carried on the back of one person, it is also stored in the bag in this position. It can be split in two for longer walks if required, however this isn't usually necessary due to its light weight.

The Mountain Rescue (MR) version has skid pan protection underneath, which protects the casualty when sliding over rough terrain and makes it easier to sledge on snow.

Both the MR and the Civil Rescue (CR) come with lifting straps (MR - 2 metres, CR - 1.2 metres) which are used for winching and lifting/lowering as well as extra carry straps. There are locking pins on each side which must be engaged for vertical lifting and when sliding/sledging.

Carrying handles come as standard with the MR and can be ordered separately for the CR. Other accessories available include, Carry Straps, Stretcher Wheel.

Both the MR & the CR are supplied with a storage bag, which incorporates an outside pocket for inspection records.

The Alpine Stretcher has been approved for winching by the UK Maritime & Coastguard Agency.

## Specifications:

### CR Stretcher

- SWL: 300kg
- Length open: 2.1m
- Length folded: 1.05m
- Max width: 60cm
- Runner depth: 7cm
- Stretcher depth: 12cm
- Lifting slings - 1.2m: 1.5kg
- Weight of stretcher: 13.45kg

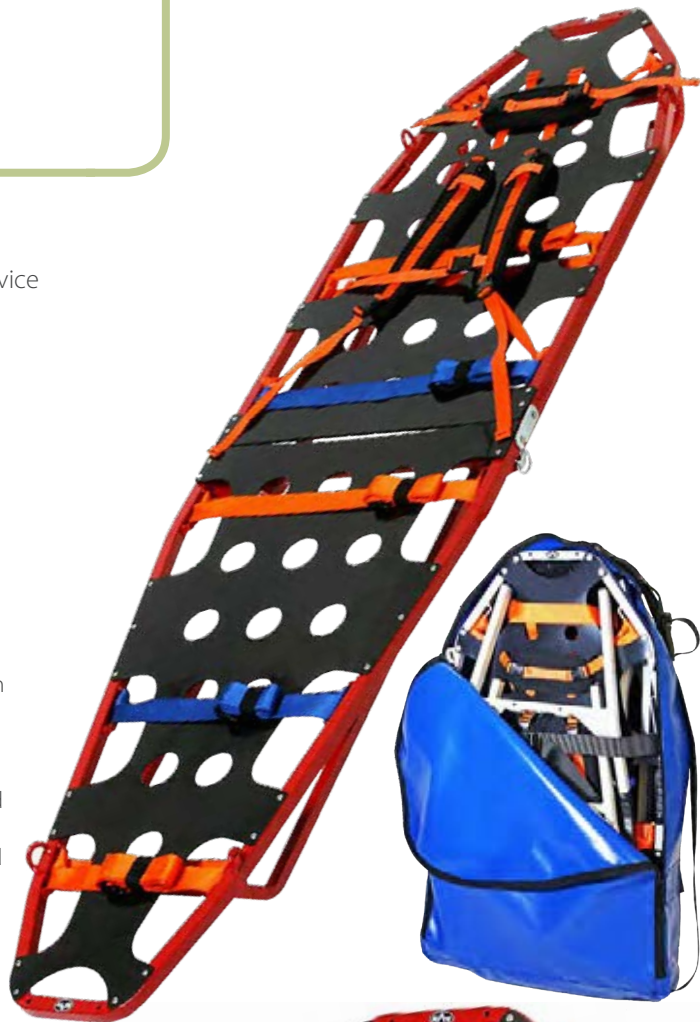
### MR Stretcher

- SWL: 300kg
- Length open: 2.1m
- Length folded: 1.05m
- Max width: 60cm
- Runner depth: 7cm
- Stretcher depth: 12cm
- Lifting slings - 2m: 1.7kg
- Weight of stretcher: 15kg
- Weight of handles: 3.42kg

## Product Code(s):

Alpine CR (Civil Rescue) REF: ST001  
Alpine MR (Mountain Rescue) REF : ST002

## Colour Choices:



# Alpine Lite Stretcher

## Conforms to:

Medical Device Regulations 2017/745, Class 1 Medical Device

The Alpine Lite Stretcher maintains all of the features of the Alpine Steel Stretcher, but in an even lighter package, around a 30% weight saving.

It still has the longer, wider flat bed style, as well as the ability to be folded or split in half, for carrying to the casualty site and for storage.

The Mountain Rescue (MR) version has skid pan protection underneath. Both versions are fitted with high grade polyethylene on the skis, which prevents abrasion to the alloy.

Both the MR and the Civil Rescue (CR) come with lifting straps (MR - 2 metres, CR - 1.2 metres) which are used for winching and lifting/lowering as well as extra carry straps. There are locking pins on each side which must be engaged for vertical lifting and when sliding/sledging.

Carrying handles come as standard with the MR and can be ordered separately for the CR. Other accessories available include, Carry Straps, Stretcher Wheel.

Both the MR & the CR are supplied with a storage bag, which incorporates an outside pocket for inspection records.

The Alpine Lite Stretcher has been approved for winching by the UK Maritime & Coastguard Agency.

## Specifications:

### CR Lite Stretcher

- SWL: 300kg
- Length open: 2.1m
- Length folded: 1.05m
- Max width: 60cm
- Runner depth: 9cm
- Stretcher depth: 12cm
- Lifting Slings - 1.2m: 1.5kg
- Weight of stretcher: 11kg

### MR Lite Stretcher

- SWL: 300kg
- Length open: 2.1m
- Length folded: 1.05m
- Max width: 60cm
- Runner depth: 9cm
- Stretcher depth: 12cm
- Lifting Slings - 2m: 1.7kg
- Weight of stretcher: 12.5kg
- Weight of handles: 2.45kg

## Product Code(s):

Alpine CR Lite (Civil Rescue) REF: ST001L  
Alpine MR Lite (Mountain Rescue) REF : ST002L

## Colour Choices:





# Alpine Stretcher Wheel

The Stretcher Wheel can be fitted to any SAR Alpine Stretcher to take the weight on longer carries.

The frame comes in 3 parts - head and forks, foot and forks and wheel - for ease of storage and transportation. The parts can then be slotted together for fitting onto the stretcher frame.

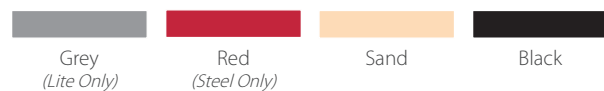
## Specifications:

- Storage bag included
- Weight of Steel Stretcher Wheel: 7.5kg
- Weight of Lite Stretcher Wheel: 5.7kg

## Product Code(s):

Steel Stretcher Wheel (Red): ST004  
Lite Stretcher Wheel (Grey): ST004L

## Colour Choices:



# Alpine Stretcher Handles

Our Stretcher Handles now feature an improved screw fitting system, for an easier and more secure fit.

An adaption kit is available which can be retrofitted to older handles.

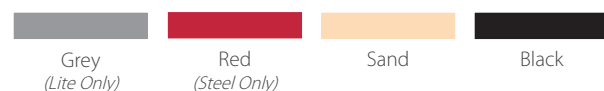
## Specifications:

- Weight of Steel Handles: 3.42kg
- Weight of Lite Handles: 2.45kg

## Product Code(s):

Steel Stretcher Handles (Red): ST014  
Lite Stretcher Handles (Grey): ST014L

## Colour Choices:



# Adjustable Stretcher Lifting Slings

Used for winching and lifting/lowering as well as extra carry slings. The Adjustable Stretcher Lifting Slings are fully adjustable for use with the stretcher either horizontal or vertical.

Must only be used as lifting slings, attached to the stretcher. The slings have been approved for winching by the UK Maritime & Coastguard Agency.

## Specifications:

- Strength of each sling: 11kN
- 2 Slings (vertical lift): 22kN.
- 4 Slings (horizontal lift): 44kN
- All connections using Delta Maillons EN362:05/Q & EN12275
- Weight: 1.5kg (1.2m lifting sling) - 1.7kg (2m lifting slings)

## Product Code(s):

Alpine CR 1.2m Adjustable Stretcher Lifting Slings: ST007  
Alpine MR 2m Adjustable Stretcher Lifting Slings: ST016



# Adjustable Stretcher Lifting Slings Lite

The Adjustable Stretcher Lifting Slings Lite are fully adjustable for use with the stretcher either horizontal or vertical, in an even lighter package. Used for winching and lifting/lowering.

Although part of the RUSS lifting package, they may be used with many other stretchers, as long as the user checks connector compatibility.

Must only be used as lifting slings, attached to the stretcher.

The slings are fitted with Klet Lite connectors as standard, other connector options are available, or the slings can come with no connectors fitted. Contact us for connector options.

## Specifications:

- Strength of each sling: 11kN
- 2 Slings (vertical lift): 22kN
- 4 Slings (horizontal lift): 44kN
- Minimum Length: 30cm (including connectors)
- Weight: 0.4kg

## Product Code(s):

0.7m Adjustable Lifting Slings Lite: ST013LIFT  
1m Adjustable Lifting Slings Lite: ST013LIFT1M





# Basket Stretcher

## Lifting Slings

The Basket Stretcher Lifting Slings have all the same features as the Adjustable Lifting Slings, but with an extra large connector on each leg, allowing attachment to the side tubing of a basket stretcher.

The slings have been approved for helicopter winching by the UK Maritime & Coastguard Agency. Must only be used as lifting slings, attached to the stretcher

### Specifications:

- Maximum Length: 1.2m
- 2 Slings (vertical lift): 22kN
- 4 Slings (horizontal lift): 44kN
- Central connections: Delta Maillons (EN362:05/Q & EN12275)
- Stretcher connection: Extra large karabiner (40kN EN362 with a 48mm gate opening)
- Weight: 2.5kg

### Product Code(s):

1.2m Basket stretcher Lifting Slings: ST008



# Stretcher

## Lifting Bridle

The Stretcher Lifting Bridle has the same large opening connectors as the Basket Stretcher Lifting Slings, but features a simple dual adjustment system that allows each end to be adjusted using one buckle.

They are suitable for use with the stretcher either horizontal or vertical. The slings have been approved for helicopter winching by the UK Maritime & Coastguard Agency.

### Specifications:

- Minimum Length: 1m
- Maximum Length: 1.4m
- Strength of each sling: 11kN
- 2 Slings (vertical lift): 22kN
- 4 Slings (horizontal lift): 44kN
- Stretcher Connection: Extra large karabiner (40kN EN362 with a 48mm gate opening)
- Weight: 2.5kg

### Product Code(s):

Stretcher Lifting Bridle: ST020



# EVAC

## Lifting Slings

Designed for use with stretchers in mountaineering, industrial rescue and helicopter winching.

These slings are made from 4 x 60cm twin eye slings, 4 steel oval karabiners, 2 medium and 1 large delta maillons. Each of the items can be used independently if needed. The lifting slings come complete in an equipment storage pouch.

### Specifications:

- Slings conform to: EN354, EN566, EN795-B & PD CEN/TS 16415:2013 Type B - 2 person load.
- Karabiner conform to: EN362
- Maillons conform to: EN362:05/Q & EN12275
- Max length of each leg including connectors: 73cm
- Total weight: 1.2kg

### Product Code(s):

EVAC Lifting Sling: ST021



# Stretcher

## Carry Harness

Developed in collaboration with mountain rescue teams to be used with almost any type of stretcher, the Stretcher Carry Harness is worn by the rescuer to better distribute the load and make long stretcher carries more comfortable. The fully adjustable padded shoulder straps ensure a perfect fit for a wide range of users.

Lightweight and compact enough to become part of your standard accessory kit, the Stretcher Carry Harness is compatible with most mountain rescue stretchers, including the SAR Alpine range. Please contact us if you are unsure of compatibility.

### Specifications:

- Weight: 0.65kg

### Product Code(s):

Stretcher Carry Harness: ST023





# Stretcher Carry Straps

Stretcher Carry Straps are attached to the sides of the Alpine Stretcher for better carrying technique on longer carries.

Carry Straps come with a choice of equipment pouch for storage.

**Specifications:**

- Weight: 605g

**Product Code(s):**

Carry Straps: ST022



# Casualty Securing Straps

A full set of replacement Casualty Securing Straps for the Alpine Stretcher.

Stretcher Securing Straps have a 10 year life span.

**Specifications:**

- Weight: 1.15kg

**Product Code(s):**

Casualty Securing Straps: ST006



# Extension Straps

Used for extending the Casualty Securing Straps to fit a larger casualty, or one who has been packaged in a vac mat, ect.

**Specifications:**

- Adds an additional 50cm
- Weight: 305g

**Product Code(s):**

Extension Straps: ST017



# Stretcher Accessory Bags

The Stretcher Accessory Bags are available in either Small (Hi-Vis Yellow) or Large (Hi-Vis Orange). They attach between the skids on the underside of the Alpine stretcher range for easy storage and transportation of your accessories.

A set of one small bag and one large bag will hold: a set of 4 Stretcher Carry Straps, a set of Adjustable Stretcher Lifting Slings, 2 Stretcher Carry Harnesses & a set of Extension Straps.

**Specifications:**

**Small Bag**

- Height: 26cm
- Width: 26cm
- Depth: 6cm
- Weight: 0.3kg

**Specifications:**

**Large Bag**

- Height: 30cm
- Width: 30cm
- Depth: 6cm
- Weight: 0.4kg

**Product Code(s):**

Stretcher Accessory Bag – Small: ST019S  
Stretcher Accessory Bag – Large: ST019L



# Stretcher Bag

A replacement storage bag for the Alpine Stretcher, this bag comes as standard with the Alpine Stretcher.

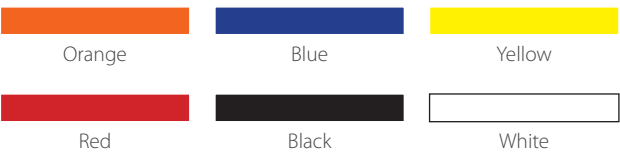
**Specifications:**

- Weight: 1.85kg

**Product Code(s):**

Stretcher Bag: ST005

**Colour Choices:**





# Portable Anchors



## Quadpod Portable Anchor

### Conforms to:

EN795:2012 Type B & PD CEN/TS16415:2013 Type B -  
2 person load (Outer Ring)/4 person load (Centre Eyes)

Designed initially as a more stable version of the traditional tripod, the Quadpod is now recognised worldwide as the standard portable anchor for use in many rescue situations. UK Coastguard, Mountain Rescue Teams and industrial confined space rescue teams are just some examples of the agencies using the Quadpod.

Configurable in different modes, the Quadpod offers versatility when accessing confined spaces, over parapets and multiple other scenarios. The head of the Quadpod offers several connection options, allowing hauling or lowering systems to be set up with ease. The optional Quadpod Winch can be fixed to one of the legs for even more efficient extrication (available for purchase separately).

The adjustable legs are fitted with non-slip rubber feet, which are suitable for use on most surfaces.

Supplied with leg straps and storage bag (also available separately).

We recommend training on the Quadpod to fully understand its many uses.

### Specifications:

- Rated for 4 person load
- WLL in standard pyramid configuration- 400kg
- Legs - Powder coated aluminium
- Head/ main connection points- Stainless steel
- Pins - Steel
- Feet - Non-slip rubber
- Straps - High grade polyester with steel mini karabiners
- Max height in pyramid configuration- 2.0m
- Size when packed in bag- 1.2m x 17cm
- Weight, including straps- 13.8kg.

### Product Code(s):

Quadpod: QU001





# Quadpod Winch



The Quadpod Winch can be mounted onto the legs of the Quadpod and the Multipod to form part of a rescue or hauling system.

Being a capstan winch, load limits are determined by factors such as type/ diameter of rope, number of turns on the drum, etc. During tests with a new 11mm semi-static rope and 2 turns on the drum, the rope started to slip at around 250kg so as not to overload the system components.

A back up system should always be used with the Quadpod winch.

We strongly recommend that users are trained in the correct operation of the Quadpod Winch so that they can understand its uses and limitations.

## Specifications:

- Two speeds - 3:1 & 9:1
- Pins and storage bag included
- Weight: 12.8kg

### Materials:

- Winch - Stainless steel; brass workings
- Mounting bracket - High grade aluminium
- Pins - Steel

## Product Code(s):

Quadpod Winch: QW001



# Multipod Portable Anchor

## Conforms to:

EN796:2012 Type B, PD CEN/TS16415:2013 Type B, 3 person load

The Multipod has evolved from the Quadpod into an extremely versatile easy to use portable anchor system. It can be used as a tripod, as a standard Quadpod or as a Quadpod with a beam.

The beam configuration allows for better clearance during edge transitions with a stretcher, or with multiple technicians, for example in rescue situations.

The Multipod is certified as a mobile anchor device for up to 3 users in all three standard configurations (tripod, Quadpod, Quadpod with beam). It has been tested to 15kN in these modes, satisfying industrial rope access anchor requirements.

The Multipod can be used as re-directional anchor to safely negotiate obstacles such as sharp edges or unstable parapets, or to gain extra height when required in rescue hauling systems. It can be stored and transported easily as a Quadpod or tripod, allowing swift set up. It can also be broken down into its component parts to share the weight for a long carry in to the incident site.

The optional Quadpod Winch (available for purchase separately), can be fitted to any of the legs as part of an extraction system. Non-slip rubber feet are fitted as standard, however rock spikes may be purchased separately.

Supplied as a Quadpod, including leg straps and storage bag, the beam and eye-bolt carriers can be purchased separately.

We recommend training on the Multipod to fully understand it's many uses.

## Specifications:

- Rated for 3 person load
- WLL in standard pyramid configuration- 300kg
- Legs - Powder coated aluminium
- Head/ main connection points- Stainless steel
- Pins - Stainless steel
- Feet - Non-slip rubber
- Straps- High grade polyester with steel mini karabiners
- Max height in pyramid configuration- 2m
- Size when packed in bag- 1.2m x 17cm dia
- Quadpod weight, including straps- 16.1kg
- Beam weight (inc 1 carrier)- 2.2kg

## Product Code(s):

Multipod: QU005  
Multipod - Beam with one carrier: QU005B1  
Multipod - Beam with two carrier: QU005B2



# Ground Spider



Used as a temporary steep ground/steep earth anchor, the updated version of the Ground Spider is even more lightweight and easily transportable. Its folding spikes allow it to pack away into the supplied pouch, with a size of only 40cm x 7cm.

Whilst the linking sling and Maillon conform to their own relevant standards, there is no standard for temporary ground anchors. The Ground Spider has, however, been successfully tested with a 15kN static load, which is the strength required for most industrial anchors (Please note that this is a lab test only).

The type of ground has a significant impact on the effectiveness of the Ground Spider and as such, we strongly recommend training in their installation and use.

## Specifications:

- Spikes: Anodised aluminium
- Linking sling: High grade polyester (EN354, EN566, EN795)
- Maillon: Steel (EN362, EN12275)
- Spike length: 15cm
- Size when packed in bag: 40cm x 7cm
- Weight: 875g – inc connections

## Product Code(s):

Ground Spider: RS007



# Quadpod Bag

The Quadpod Bag comes as standard when ordering the Quadpod. The bag has an over the shoulder strap for carrying and has two storage compartments for straps and documents.

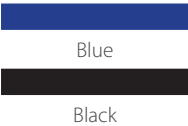
## Specifications:

- Heavy duty PVC
- Side pouch for leg straps/ documentation
- Reinforced carry handle

## Product Code(s):

Quadpod Bag: QU003

## Colour Choices:



# Multipod Bag

The Multipod bag comes as standard when ordering the Multipod. The bag has an over the shoulder strap for carrying and has three external storage compartments for straps and the multipod fittings.

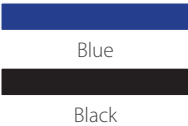
## Specifications:

- Heavy duty PVC
- Side pouches for fittings & straps
- Reinforced carrying handle

## Product Code(s):

Multipod Bag: QU010

## Colour Choices:



# Portable Anchor Leg Straps

The Portable Anchor Leg Straps come as standard when ordering the both the Quadpod & Multipod. The straps are light to carry and pack into the bags' side pouch. They are extremely fast to connect and have very fine adjustment.

## Specifications:

- Rated to 300kg per strap
- Steel mini karabiners
- High grade polyester
- Weight- 1.0kg

## Product Code(s):

Portable Anchor Leg Strap: QU002

## Colour Choices:





# Helmets & Accessories



## Kask Zenith X Helmet

## Kask Zenith X PL Helmet

The all new Zenith X replaces its award winning predecessor Zenith. Although similar in looks, the Zenith X features a new external shell, made from advanced materials for greater energy absorption, as well as a new, super-absorbent inner core, increasing crown protection.

The Dry+ liner, adaptive fit system and Eco-leather chin strap ensure all day comfort, while the huge colour and accessory range mean it can be customised to suit your needs.



Zenith X



Zenith X PL

**Conforms to:**  
 EN 397 & EN 50365 (Class 0)

- Specifications:**
- External Shell: HD Polypropylene
  - Internal Shell: HD Expanded Polystyrene
  - Headband: Soft PA Nylon
  - Weight: 490g
  - Universal-adjustable from 52 to 63 cm

**Product Code(s):**  
 Kask Zenith X: HP002IND

**Colour Choices:**

Red	Orange	Yellow	Green
British Green	Blue	Pink	White
Grey	Anthracite	Black	

**Conforms to:**  
 EN 12492

- Specifications:**
- External Shell: HD Polypropylene
  - Internal Shell: HD Expanded Polystyrene
  - Headband: Soft PA Nylon
  - Weight: 490g
  - Universal-adjustable from 52 to 63 cm

**Product Code(s):**  
 Kask Zenith X PL: HP002

**Colour Choices:**

Red	Orange	Yellow	Pink
White	Black		

# Kask

## Plasma AQ Helmet

With a sporty look derived from climbing type helmets, the Kask Plasma is streamlined for safety and ease of use. Featuring Kask's Up & Down technology for an unparalleled perfect fit, 10 ventilation points with mesh protection and quick drying 2Dry fabric internally, the wearer can be confident of all-day comfort.

Adaptability is paramount, with clips for a head lamp, visor mounts and slots for ear defenders all incorporated into the innovatively styled hard plastic shell. Accessories are sold separately, available on request.



Plasma AQ

**Conforms to:**  
EN 397

### Specifications:

- External Shell: PP Polypropylene
- Internal Shell: HD Polystyrene
- Headband: Soft PA Nylon
- Weight: 390g
- Universal-adjustable from 51 to 63 cm

### Product Code(s):

Kask Plasma AQ: HP001IND

### Colour Choices:



# Kask

## SuperPlasma PL Helmet



SuperPlasma PL

**Conforms to:**  
EN 12492

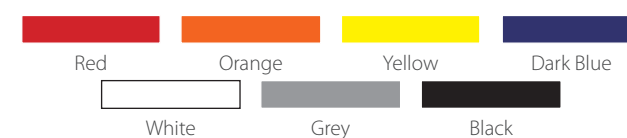
### Specifications:

- External Shell: HD Polypropylene
- Internal Shell: HD Expanded Polystyrene
- Headband: Soft PA Nylon
- Weight: 490g
- Universal-adjustable from 52 to 63 cm

### Product Code(s):

Kask SuperPlasma PL: HP001

### Colour Choices:



# SAR Helmets

## Industrial & Climbing

**Conforms to:**  
EN397 or EN12492

The Industrial Helmet has several features which allow it to conform to the standard for industrial safety helmets (EN397):

- The chinstrap releases at <25daN, preventing strangulation in the event of a collision
- It has closed ventilation holes to prevent against splash
- Withstands lateral deformation
- Low temperatures down to -30°C

It has a new improved cradle system for better adjustability, and an allergenic headband. A head torch may be attached using the integrated clips.

The Climbing Helmet conforms to the mountaineering helmet standard (EN12492):

- The chinstrap releases at >50daN, preventing helmet loss in the event of a collision
- It has open ventilation holes
- Withstands lateral deformation
- Low temperatures down to -30°C

It has the same new improved cradle system for better adjustability, and an allergenic headband. A head torch may be attached using the integrated clips.

### Specifications:

#### Industrial Helmet - EN397

- Materials Shell: ABS Plastic
- Inner: High density polystyrene
- One size fits all (54cm to 62cm)
- Weight- 400g

#### Climbing - EN12492

- Materials Shell: ABS Plastic
- Inner: High density polystyrene
- One size fits all (54cm to 62cm)
- Weight- 395g

### Product Code(s):

Industrial Helmet: HP004IND  
Climbing Helmet: HP004

### Colour Choices:





# Rigging Plates

Available in 3 sizes, our Rigging Plates are ideal for use in rescue and industrial access.

## Specifications:

### Small Rigging Plate

- Strength - 36kN
- Material - High grade aluminium
- Colour - Red
- Length - 91mm, Width- 84mm
- Weight - 93g

### Medium Rigging Plate

- Strength - 40kN
- Material - High grade aluminium
- Colour - Blue
- Length - 160mm, Width- 100mm
- Weight - 219g

### Large Rigging Plate

- Strength - 45kN
- Material- High grade aluminium
- Colour - Yellow
- Length - 249mm, Width- 150mm
- Weight - 442g



## Product Code(s):

Small Rigging Plate: RS015  
Medium Rigging Plate: RS016  
Large Rigging Plate: RS017

# Access Seat

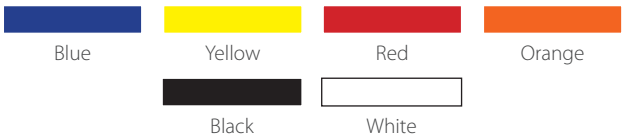
The Access Seat can be attach to the abseil device connector for longer, more comfortable work time. Adjustable straps allow the user to fit it to their own size, while 4 gear loops give space for essential tools and materials.

Manufactured from easy-clean heavy duty PVC, with a robust foam covered plastic insert, the Access Seat folds away for storage and transportation.

## Product Code(s):

Access Seat: RS009

## Colour Choices:



# Tool Lanyards

Our Tool Lanyards are used to tether tools and other equipment in order to minimise the risk of dropped objects when working at height. They are heavy duty elasticated lanyards, rated to a maximum tool weight of either 5kg or 10kg- this includes a built in safety factor of 5:1. The user must check the lanyard label for the strength rating.

Supplied with or without our bespoke Accessory Karabiners, and with the option of a choke loop, buckle, or cord loop attachment, our Tool Lanyards are suitable for many working at height and rescue applications. They are individually serial numbered to aid traceability and inspection.

Standard without connectors: length 70cm, 120cm extended  
With choke loop: length 55cm, 105cm extended

## Product Code(s):

Tool Lanyard –  
Without Connectors: TL0001  
With 1 Connector: TL0002  
With 2 Connectors: TL0003

Tool Lanyard with Choke Loop –  
Without Connector: TL0005  
With 1 Connector: TL0004C1  
With 2 Connectors: TL0004C2

Tool Lanyard with Choke Cord –  
Without Connector: TL0006  
With 1 Connector: TL0006C1

Tool Lanyard with Buckle –  
Without Connector: TL0007  
With 1 Connector: TL0007C



Tool Lanyard



Tool Lanyard with Choke Loop



Tool Lanyard with Choke Cord



Tool Lanyard with Buckle

# Steering Wheel Cover

The SAR Steering Wheel Cover was originally made at the request of a mountain rescue team, to be put on when the Land Rover was being used as an anchor for rope rescue. This safety cover ensures that everyone knows not to move the vehicle! It is also now used by some teams to let people know that the communications mast has been elevated, so the vehicle shouldn't be moved.

Manufactured from high visibility nylon, with a PVC pocket on the front, the cover will fit onto any steering wheel up to 450mm diameter, and is kept in place by a heavy duty shock cord. This size is suitable for most car, van and 4x4 steering wheels.

## Specifications:

- High visibility nylon & PVC
- Heavy duty shock cord
- 450mm diameter

## Product Code(s):

Steering Wheel Cover: RS026



# Safety Knife & Pouch

The Safety Knife features a razor sharp guarded blade, allowing rope and webbing to be cut with ease while minimising the risk of cutting anything unintentionally.

Connected to the knife guard with 3mm elastic, the pouch can be attached to a belt using the integrated velcro belt loop.

## Product Code(s):

Safety Knife & Pouch: RS006

## Colour Choices:



# Rope Gloves

Our rope gloves have been designed not just as abseiling gloves, but to be usable in other technical situations where dexterity is needed. The cutaway 1st finger and thumb let them be used for karabiner clipping, knot tying, as well as many other tasks.

They are available in Small, Medium & Large.

## Product Code(s):

Rope Gloves: RS011



# Detachable Lanyard Parking Loop

With a Velcro attachment that will fit any 45mm or 50mm webbing, the Parking Loop is made for clipping the fly end of a fall arrest lanyard to when it is not in use.

The design is such that the loop will come away from the harness in the event of a fall, allowing the lanyard to fully deploy.

NOTE: This is NOT a rated attachment point, it is ONLY a sacrificial loop for storage/ tidying of lanyards.

## Product Code(s):

Detachable Lanyard Parking Loop: X0058



# Lifting Bridle

The Lifting Bridle is used in conjunction with an over the shoulder fall arrest type harness for confined space rescue/ extraction. It ensures the user is suspended in a true vertical manner, reducing the chance of snagging or entrapment.

## Specifications:

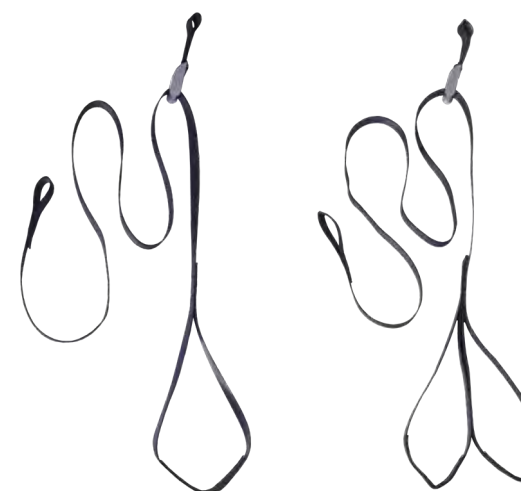
- Sling - High grade polyester (EN354, EN566, EN795)
- Inner form - Stainless steel
- Maillon - Steel (EN362, EN12275)
- Width: 36cm Height: 45cm
- Weight: 1.1kg

## Product Code(s):

Lifting Bridle: RS002



# Foot Loops



Available as either a single or twin, our Foot Loops can be adjusted to length using the cam buckle. They are ideal for use with an ascender, or when aiding.

## Specifications:

- Material- High grade polyester
- Max working length: 175cm
- Min working length: 45cm
- Weight of single: 154g
- Weight of double: 194g

## Product Code(s):

Single Foot Loop: RS012  
Twin Foot Loop: RS013

## Colour Choices:



# 5 Rung Etrier



The 5 Rung Etrier has pre-formed reinforced step loops for ease of use.

It is supplied with its own storage pouch, which can be connected to the user's harness when not in use.

## Specifications:

- Working Length: 170cm
- Pouch size- 15cm x 9cm x 5cm
- Weight: 188g

## Product Code(s):

5 Rung Etrier: RS014

## Colour Choices:





# SAR Products

## Terms & Conditions

### Specialist Access & Rescue Products Ltd. - Terms and Conditions

1. (i) Goods are supplied subject to these terms and conditions which override any conditions of sale stipulated by the Buyer, unless specifically agreed in writing by Specialist Access & Rescue Products Ltd a company registered in England and Wales with company number 04881460 and whose registered office is at 18 Fernthorpe Avenue, Uppermill, Oldham OL3 6EA ("SAR"). Buyer means any person or entity who places an order for Goods with SAR. Specialist Access & Rescue Products Ltd.

(ii) Goods means those Goods supplied by SAR and ordered by the Buyer. No waiver or variation by SAR of any terms or of any breach of a contract committed by the Buyer shall be considered as a waiver or variation of any subsequent contract terms or any subsequent breach.

(iii) Goods supplied for re-sale by SAR are only for sale by the Buyer from their own premises, unless otherwise agreed.

(iv) SAR reserves the right to amend specifications and or prices as necessary and to decline to supply.

(v) SAR expressly warrants that the Goods supplied by it comply with relevant specifications which accompany those Goods. No other term, condition, warranty or representation (whether express or implied by statute or usage) as to the nature, quality or fitness of the Goods to their conformity with any description or sample is given by SAR and the Buyer.

(vi) Only a Director of SAR may make representations on behalf of SAR in respect of matters to which this contract relates, and such representations must be written to bind SAR. No other person is authorised by SAR to make representations on its behalf.

2. All prices quoted are exclusive of V.A.T. and other duties or taxes, unless otherwise specifically stated.

3. Orders will be despatched by SAR's method and choice of carrier, unless agreed otherwise prior to despatch by SAR.

4. (i) Where Goods are supplied on a pro-forma basis those Goods will be dispatched only upon receipt of cleared funds. When paying by cheque, please allow 5 working days for clearance.

(ii) SAR will not offer any settlement discount on pro-forma orders.

(iii) SAR reserves the right at any time to review any credit arrangements which it makes with any Buyer and to cancel such credit facilities without notice.

5. (i) Orders are placed by the Buyer however they are only contractually binding from the time of acceptance by SAR ("Orders"). Cancellations of Orders can only be accepted with prior written agreement from SAR.

(ii) Cancellations received after dispatch will incur a handling charge. Goods are to be returned at the Buyer's expense and in the same condition as when despatched by SAR.

(iii) Once accepted by SAR, an Order for any non-standard goods (meaning goods which have been manufactured to the Buyer's own instructions and which would not otherwise be manufactured by or on behalf of SAR) is binding and cannot be cancelled.

(iv) Standard Goods returned (which will be subject to a handling charge) must be current model and packaged in resalable condition and received in the same condition as when despatched by SAR.

(v) The Buyer must accept the Goods even if delivered late. Time of delivery is not of the essence of the contract. If the contract is one to be delivered in installments, the failure to deliver one installment does not entitle the Buyer to terminate the contract.

(vi) If the Buyer fails to take delivery of the Goods in accordance with the terms of this contract, SAR shall be entitled to terminate the contract with immediate effect. On termination, SAR may, in its discretion, exercise any of the following rights, either alone or in combination:

(a) dispose of the goods as it thinks fit;

(b) retain any deposit or part-payment made by the buyer;

(c) recover damages from the Buyer in respect of any losses it suffers as a result of the Buyer's failure to take delivery, including, but not limited to, the profit it would have made had the Buyer performed its obligations, the costs of storage and disposal of the goods.

6.(i) Delivery dates given by SAR are a genuine forecast in the light of current conditions but are given without legal commitment and SAR accepts no liability in the event that it is unable to meet those dates.

(ii) If events beyond SAR's reasonable control prevent SAR from delivering any Goods by the appropriate delivery date, such date shall be postponed for a reasonable period. Beyond such period SAR may without liability cancel this contract as regards such Goods.

7. SAR will endeavour to supply the exact quantities of Goods ordered in the specified number of consignments.

8. SAR reserves the right to cancel balance of Orders. The Buyer will pay for the actual quantities of Goods delivered even though part of the consignment may still be outstanding.

9. Non-receipt of goods for delivery in the U.K. must be notified in writing to SAR within 5 working days of receiving an invoice for such a delivery.

10. (i) Errors and shortages must be notified in writing to SAR within 5 working days of receipt of goods. (ii) SAR shall, as its option, replace, repair or refund the purchase price of any Goods proved to its reasonable satisfaction to have been delivered short or to be defective provided in each case:

(a) The Buyer as soon as reasonably practicable and in no event later than 5 working days of delivery informs SAR of the alleged short delivery or defect; and (b) The Buyer has paid for the Goods in full; and

(c) No authorised repairs or alterations have been made to the defective Goods; and

(d) The Goods have been maintained and used with reasonable care and in accordance with the directions or standard industry procedure and the Buyer provides full information and documentation to verify compliance with these conditions; and

(e) If the Goods have been incorporated into other goods, the nature of those goods is stated; and (f) The defect derives solely from the design, work or materials of SAR and was not caused wholly or partly as a result of delivery to the Buyers or any third party's work, material or design.

(iii) Consignments are packed to the highest standard. Damaged goods must be refused on delivery and the dispatch note marked 'damaged in transit'. To ensure the dispatch of a replacement consignment the Buyer must advise SAR in writing of the damaged consignment within 5 working days of the damaged delivery.

11. (i) Ownership in the Goods remains with SAR until SAR has received cleared funds in full of the price of all the Goods supplied at any time by SAR to the Buyer as well as any other payment due under any other subsisting contract between SAR and the Buyer.

(ii) The Buyer holds all goods owned by SAR as SAR's fiduciary agent and bailee.

(iii) All risk in the goods passes to the Buyer upon delivery. The Buyer must take all necessary protection of the goods including insurance until full payment is received.

(iv) Until full payment as defined in clause 22 (i) has been received at SAR, the Buyer will hold the goods supplied on unpaid invoices in such a way that in the event of prior resale SAR shall be entitled to the proceeds of such a sale.

(v) The Buyer shall if so requested by SAR store all goods not paid for in full so that they are clearly shown to be the property of SAR. The Buyer must maintain records of the location of the goods so they remain easily identifiable.

(vi) Goods are supplied subject to the understanding that the credit Buyer authorises SAR to enter the Buyer's premises in order to repossess goods for which full payment has not been received and all costs and expenses reasonably incurred by SAR shall be paid by the Buyer.

12. (i) SAR agrees to indemnify the Buyer:

(a) against liability for personal injury or death directly attributable to the negligence of SAR; and (b) against physical damaged caused to the Buyer's property directly arising from the negligence of SAR in connection with the supply of the Goods.

(ii) SAR's total indemnity to the Buyer under the indemnity contained above shall not exceed the price at which the Goods were sold to the Buyer for one or more related claims.

(iii) Subject to the indemnity given above, SAR is not liable to the Buyer for any loss, expense or damage of any kind (direct, indirect, financial or consequential and whether arising from negligence or otherwise) arising from the supply, purported supply, failure to supply or from the Buyer's use, possession or re-sale of the Goods.

(iv) No officer or employee of SAR is liable to the Buyer in any circumstances for any loss, expense or damage of any kind (direct, indirect, financial or consequential and whether arising from negligence or otherwise) arising from any act or omission of this during the performance of this employment or other duties.

13. All copyright, patent, trade secret and other proprietary and intellectual property rights in the Goods and all information which SAR may provide to the Buyer or its agent shall (as between the parties) at all times remain vested in SAR and the Buyer does not acquire any intellectual property rights or licence relating to the Goods and may not copy or imitate the Goods.

14. In addition to any other right of termination, SAR may terminate this contract if:

(i) the Buyer defaults in the payments on its due date of any sum under this contract or commits any continuing or serious breach of this contract and fails to remedy that breach (if capable of remedy) within 10 working days of SAR's notice to do so; and

(ii) any of the following events occurs:

(i) distress or execution is levied against any of the Buyer's assets or a receiver is appointed with respect to any of the Buyer's assets; or

(ii) a petition is presented for the winding up of or for an administration order to be made in relation to the Buyer or a resolution passed for the Buyer's winding up; or

(iii) the Buyer suspends or threatens to suspend payment of its debts or is deemed unable to pay its debts for the purposes of Section 123 Insolvency Act 1986.

(iv) at any time SAR has reasonable grounds to believe that any of the events mentioned in (i) and (ii) above is likely to happen within a period of three months thereafter.

15. On termination of this contract for any reason:

(i) SAR shall be discharged from any further liability to perform under the contract; (ii) the Buyer shall pay SAR on demand for all work performed by SAR for the Buyer prior to termination; and (iii) SAR is granted an irrevocable licence to enter the Buyer's premises to recover any goods or materials which are SAR's property.

16. The contract shall be governed by English law and be subject to the jurisdiction of the English courts.

17. (i) Demonstration and loan equipment is supplied solely on the understanding that the prospective customer takes full responsibility for its use.

(ii) Supply of demonstration and loan equipment can only be made if the prospective customer confirms in writing their full acceptance of responsibility.

18. Please note; climbing, mountaineering, caving, rescue, work at height and similar or associated activities can be hazardous and carry dangers which may lead to serious injury or even death. Goods to be used in these disciplines must only be used by competent and informed persons who understand and accept the risks involved. An apprenticeship in appropriate techniques and safety measures is the responsibility of the user, who assumes responsibility for all risks and damages which may arise from the use of such equipment.

19. It is the responsibility of the Buyer to ensure that all technical data and instruction provided with the product by SAR is supplied to the end user.

20. (i) Payment shall be due by the Buyer in full and cleared funds to SAR 30 days from the date of invoice.

(ii) Every time a cheque, standing order or banker's order fails to clear the Buyer's bank on presentation we will separately surcharge the Buyer's account.

(iii) SAR understands and reserves the right to exercise our statutory right to claim interest and compensation for debt recovery costs under the Late Payment of Commercial Debts (Interest) Act 1998 (as amended) in the event that SAR is not paid according to agreed credit terms.

(iv) If payment is received without instructions as to which invoice it should be matched against, it will be matched against the oldest invoice(s) on the account.

(v) SAR expects customers to whom a credit note has been issued to claim the credit within 6 months. Where an account has been dormant for more than 6 months SAR will write off any credit notes and reserve the right to make an administrative charge in respect of any subsequent claim on them.

(vi) Accounts that lie dormant for a minimum of 12 months will be closed. SAR reserves the right to make an administration charge for any subsequent reinstatement.

21. (i) In the event of any claim under warranty, guarantee or consumer protection law, SAR requires that Goods be returned to SAR for inspection.

(ii) In order to minimise delay for the customer, SAR aims to inspect goods within 3 working days of receipt at SAR.

(iii) Where goods are faulty and cannot, in SAR's opinion, be repaired or replaced, a credit note will be issued to the original value of the faulty goods.

(iv) SAR will not recognise as valid debit notes generated by the Buyer.

22. (i) SAR shall not be liable for any claims in respect of any Goods which have been misused, permitted or allowed to fall into a bad state of condition or repair and have not been maintained in accordance with the manufacturer's instructions.

23. (i) Should any provision of this contract become illegal or void for any reason, the validity of the remaining provisions shall not be affected and the parties shall enter into negotiations in good faith to find a replacement for the provision which is of similar economic effect.

24. All notices, requests, claims, demands and other communications hereunder shall be in writing. Such notices shall be given:

(i) By delivery in person

(ii) By a nationally recognised next day courier service,

(iii) By first class, registered or certified mail, postage prepaid,

(iv) By facsimile or

(v) By electronic mail to the address as either party may specify in writing. Notices so given shall be effective upon (i) receipt by the party to which notice is given, or (ii) on the fifth (5th) day following mailing, whichever occurs first.

25. If any provision or provisions of this Agreement shall be held to be invalid, illegal, unenforceable or in conflict with the law of any jurisdiction, the validity, legality and enforceability of the remaining provisions shall not in any way be affected or impaired thereby.

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