

# PROFESSIONAL

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CATALOGUE 2020 | EN 😤





SINGING ROCK was founded in 1992. During 27 years of its existence, Singing Rock has established itself as a professional and innovative producer and supplier of personal fall protective equipment. Nowadays SINGING ROCK is one of the world leaders on the market of professional protective equipment for work at height, military and rescue. All of the high-performance and innovative products are developed and produced in Czech Republic, Europe. Our products are certified are certified and fully comply with the international industrial safety standards. Our products are innovative, modern and easy to use, with great strength and with maximum comfort.

## www.singingrock.com





## Fully adjustable harness:

- for a rope access
- with wide paddedwaist belt
- Waist be
- leg loops
- shoulder straps

Suitable also for work positioning, fall arrest and work restraint situations.



## **INNOVATION**

It is not necessary to talk too much about the innovation as it is inherently present in all our products.

## TESTING

Meeting minimum requirements is obvious – but we go further by performing tests to simulate all kind of usage as the basis for further development.

## TECHNOLOGY

Appropriate technology and tools are essential to produce first-class products.



## KNOWLEDGE & EXPERIENCE

Our products and techniques are thoroughly validated in our own testing and training centers. We are pleased to share all this with our customers – you get a complex solution.

## INVOLVEMENT

We are climbers and we love climbing. Enthusiasm drives our innovations and improvements.

## PERFORMANCE

Do your job efficiently, safely and comfortably – we are here to give you the tools to do this. Enjoy your work.



## TRADITION & STABILITY

We draw on 27 years of our own experience and we are proudly inspired by vast knowledge and experience of climbers from our region.

## EFFICIENCY

We run lean management system with horizontal organization structure. Thanks to this we are able to react immediately and customize our products and services for your specific needs.

## ENVIRONMENT

We bear the responsibility to keep our planet green and to preserve its riches for our kids. SINGING ROCK is member of the European Outdoor Conservation Association.



















SINGING ROCK produce harnesses which dre very comfortable, simple to use and suitable for every working situation for workers at height. Thanks to the innovated technologies and smart solutions, SINGING ROCK can ofter a full range of safety harne-sses covering all dreas of working applications. SINGING ROCK harnesses are exclusively manufactured in Czech Republic.

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# HARNESSES

ROPE ACCESS FALL ARREST FULL BODY CHEST SIT HARNESSES ARBORICULTURE RESCUE ACCESSORIES











# ROCK & LOCK

## patented smart buckle system

Easy to lock and open: Only a small amount of finger pressure is needed to lock and to open.

- Fast lace-through: Make the loop, put it through the buckle frame, hook the loop on the cross bar and tighten. It's as easy as that.
- Smart function: Rock&Lock allows you to put on your harness very quickly
- Double safety: Webbing cannot slip through Rock&Lock due to a safety loop at the end of the webbing Spontaneous opening of Rock&Lock is virtually impossible.
- Lightweight and extra strong.
- Excellent operation in all-season conditions: Operation guaranteed even when webbing is wet or frozen.



# EASY-LOCK BUCKLE

Unique buckle with a sliding captive bar matches strict American standards (ANSI, CSA). Its minimum strength is 17.2 kN. No webbing slippage in a buckle. Its construction ensures longtime operation and efficiency (easy releasing and fastening even when dirty and tough webbing). Corrosion resistance is tested by spraying in a salty chamber for a period of 48 hours.



## SPEED BUCKLE 1 second buckle

SINGING ROCK SPEED buckle is the side quick release buckle.

- Easy operation
- Durable and adjustable
- Made from steel
- Matches strict American standard ANSI
- Impossible opening under the loading
- Impossible to lock when the strap is twisted
- Strap width up to 45 mm
- Black coated
- Strength 18 kN



These icons will help you to choose the proper harness regarding the most common and most suitable use:



















care

rope acces

rescue

work restraint

fall arrest

intervention

rope park

# EXPERT 3D / SPEED 🌑

W0079DR black version – W0079DB





# Fully adjustable harness for a rope access with wide padded waist belt, leg loops and shoulder straps. Suitable also for work positioning, fall arrest and work restraint situations.

- shoulder straps can be totally removed and the harness can be used as a sit harness only
- super comfortable wide waist belt padding provides maximum comfort when working at height
- strength webbing on the waist belt is stitched in the way that at normal working situation the body weight is absorbed by the padding only
- reflective strap and printing on the waist belt and shoulder padding increase the visibility in dark working conditions
- anatomic leg loops and waist belt are covered with strong PES fabric providing high abrasion resistance
- SPEED buckles enable fluent and fast adjustment to fit a user's body
- OZONE triple lock carabiner used for connection of shoulder straps to the main point to increase the space for chest ascender attachment
- chest ascender smart fixation system with plastic cover on the Ozone carabiner increasing the durability of the webbing
- shoulders straps and leg loops are independently adjustable
- narrowed padding and webbing on the shoulder straps in a neck area enhance a comfortable work
- front and back attachment points for fall-arrest according to EN 361 marked with additional "A" marking
- rear lower attachment point according to EN 813
- flat rear attachment point does not bear on users back when carrying backpack or breathing apparatus
- front lower attachment point for descender placement or work positioning according to EN 813, EN 358
- 2 side attachment points for work positioning according to EN 358
- heavier items up to 35 kg can be attached to the webbing on the waist belt
- all steel components finished with E coating for higher corrosion resistance
- 4 ergonomic braided gear loops with a bearing capacity 5 kg
- additional loops on the waist belt and leg loops with a bearing capacity of 5 kg offer additional space for the gear and better gear orientation
- wide elastic band on left shoulder strap for the gear attachment (f.e. transmitter)
- · slots on the waist belt for PORTER tool holder to carry your industrial tools
- identification and methodical label

Size: S, M/L, XL Weight: (M/L) 2415 g• 85.19 oz C€ 1019 • EN 358 • EN 813 • EN 361 • EN 1497





# EXPERT 3D / STANDARD 🍋

W0078DR black version – W0078DB



- standard easy-lock buckles enable smooth adjustment
- super comfortable wide waist belt padding provides maximum comfort even during prolonged suspension

Size: S, M/L, XL Weight: (M/L) 2110 g • 74.43 oz C € 1019 • EN 358 • EN 813 • EN 361 • EN 1497





# EXPERT 3D / SPEED STEEL 🕒



 the harness is made in an accordance with a strict American standards (NFPA, ANSI)

Size: S, M/L, XL Weight: (M/L) 2685g • 94.71 oz CE 1019 • EN 358 • EN 813 • EN 361 • EN 1497 NFPA Class III • ANSI Z359.1





### W0080DR



## EXPERT III 🌑



#### EXPERT III standard



EXPERT III speed

standard – W0078BR standard black version – W0078BB speed – W0079BR speed black version – W0079BB speed steel – W0080BR

# Fully adjustable harness for a rope access with padded waist belt, leg loops and shoulder straps. Suitable for work positioning, fall arrest and work restraint situations. The Expert III harness is modular to fit the user's body.

- shoulder straps can be totally removed and the harness can be used as a sit harness only
- OZONE triple lock used for connection of shoulder straps to the main point to increase the space for THE chest ascender attachment
- chest ascender smart fixation system with plastic cover on the Ozone carabiner increasing the durability of the webbing
- anatomic waist belt, leg loops and shoulder straps padding insure enough comfort
- shoulders straps and leg loops are independently adjustable
- narrowed padding and webbing on the shoulder straps in a neck area enhance a comfortable work
- front and back attachment points for fall-arrest according to EN 361 marked with additional "A" marking
- front lower attachment point for descender placement or work positioning according to EN 813, EN 358
- rear lower attachment point according to EN 813
- 2 side attachment points for work positioning according to EN 358
- all steel components finished with E coating for higher corrosion resistance
- 2 braided gear loops with a bearing capacity of 5 kg
- additional loops with a bearing capacity of 5 kg offer additional space for the gear and better gear orientation
- identification and methodical label

#### Size: S, M/L, XL

#### SPEED:

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Weight: (M/L) 2450 g (± 15 g) • 86.42 oz (±0,5 oz) CE 1019 • EN 358 • EN 813 • EN 361

SPEED STEEL: Weight: (M/L) 2665 g (± 15 g) • 94 oz (± 0.5 oz) C€ 1019 • EN 358 • EN 813 • EN 361 NFPA Class III

STANDARD:

Weight: (M/L) 2155 g (± 15 g) • 76.02 oz (±0,5 oz) C€ 1019 • EN 358 • EN 813 • EN 361







black version – W0082DB

W0082DR

# PROFI WORKER 3D / SPEED 🍋



Fully adjustable harness for a rope access with wide padded waist belt, leg loops and shoulder straps. Suitable also for work positioning, fall arrest and work restraint situation.

- super comfortable wide waist belt padding provides maximum comfort when working at height
- strength webbing on the waist belt is stitched in the way that at normal working situation the body weight is absorbed by the padding only
- reflective strap and printing on the waist belt and shoulder padding increase the visibility in dark working conditions
- anatomic leg loops and waist belt are covered with strong PES fabric providing high abrasion resistance
- SPEED buckles enable fluent and fast adjustment to fit a user's body
- narrowed padding and webbing on the shoulder straps in a neck area enhance a comfortable work
- leg loops connection straps made from durable PES webbing for better abrasion resistance
- front and back attachment points for fall-arrest according to EN 361 marked with additional "A" marking
- rear lower attachment point according to EN 813
- flat rear attachment point does not bear on users back when carrying backpack or breathing apparatus
- front lower attachment point for descender placement or work positioning according to EN 813, EN 358
- 2 side attachment points for work positioning according to EN 358
- heavier items up to 35 kg can be attached to the webbing on the waist belt
- 4 ergonomic braided gear loops with a bearing capacity 5 kg
- additional loops on the waist belt and leg loops with a bearing capacity of 5 kg offer additional space for the gear and better gear orientation
- wide elastic band on left shoulder strap for the gear attachment (f.e. transmitter)
- slots on the waist belt for PORTER tool holder to carry your industrial tools
- identification and methodical label

Size: S, M/L, XL • Weight: (M/L) 2075g • 73.19 oz C€ 1019 • EN 358 • EN 813 • EN 361 • EN 1497









## PROFI WORKER 3D / STANDARD 🍛

W0081DR black version – W0081DB



Fully adjustable harness for a rope access with wide padded waist belt, leg loops and shoulder straps. Also suitable for work positioning, descent, ascent and rescue situations

- standard easy-lock buckles enable smooth adjustment
- super comfortable wide waist belt padding provides maximum comfort even during prolonged suspension

## Size: S, M/L, XL • Weight: (M/L) 1777 g • 62.68 oz C€ 1019 • EN 358 • EN 813 • EN 361 • EN 1497





## PROFI WORKER III 伦

speed – W0082BR standard – W0081BR



Fully adjustable harness for a rope access with padded waist belt, leg loops and shoulder straps. Suitable for work positioning, fall arrest and work restraint situation.

- anatomic waist belt, leg loops and shoulder straps padding insure enough comfort
- narrowed padding and webbing on the shoulder straps in a neck area enhance a comfortable work
- leg loops connection straps made from durable PES webbing for better abrasion resistance
- front and back attachment points for fall-arrest according to EN 361 marked with additional "A" marking
- front lower attachment point for descender placement or work positioning according to EN 813, EN 358
- rear lower attachment point according to EN 813
- 2 side attachment points for work positioning according to EN 358
- 2 braided gear loops with a bearing capacity of 5 kg
- additional loops with a bearing capacity of 5 kg offer additional space for the gear and better gear orientation
- identification and methodical label

Size: S, M/L, XL

SPEED: Weight: (M/L) 1960 g (±15 g) • 69.14 oz (±0.5 oz) C € 1019 • EN 358 • EN 813 • EN 361

STANDARD: Weight: (M/L) 1650 g (±15 g) • 58.20 oz (±0.5 oz) C € 1019 • EN 358 • EN 813 • EN 361



W0063BB

## TECHNIC STANDARD 👟



#### Fully ajdustable work positioning and fall arrest harness with easy-lock buckles.

- an attachment point for work in hanging position, rapelling according to EN 813
- steel positioning points according to EN 358 are placed symmetrically. Steel D-rings are flat and settled on a padding
- easy-lock buckles enable fluent adjustment to fit the user's body
- 2 braided gear loops with a bearing capacity of 5 kg
- slots designed for a secure hanging of expensive equipment (such as power saw, drilling machine,..)
- identification and methodical label
- slide buckle intended for chest ascender fastening
- chest attachment point according to EN 361
- dorsal attachment point according to EN 361

#### Size: S, M/L, XL Weight: (M/L) 1620 g (±15 g) • 57.14 oz (±0.5 oz) C € 1019 • EN 358 • EN 813 • EN 361





## TECHNIC SPEED STEEL 🌭

# Fully adjustable full body harness for work positioning and fall arrest with the steel components and SPEED buckles.

- innovated steel SPEED buckles enable fluent and fast adjustment to fit the user's body
- the harness is made in an accordance with strict American standards (NFPA, ANSI)
- steel positioning points according to EN 358 are placed symmetrically. Steel D-rings are flat and settled on a padding

Size: S, M/L, XL Weight: (M/L) 2450 g (±15 g) • 86.42 oz (±0.5 oz) C€ 1019 • EN 358 • EN 813 • EN 361 NFPA Class III • ANSI Z359.1





W0064BB

W0091BY

## ROOF MASTER 🌭





Lightweight and fully adjustable full body harness. Most suitable for work on inclined areas and roofs. The unique Singing Rock MOTION SYSTEM gives the user freedom of movement without being restricted by working rope or fall arrest system. An ideal solution for working at heights where the precise positioning and free movement are important.

- the MOTION SYSTEM ensures precise positioning and maximum comfort of movement during work
- during the fall arrest to the back red textile attachment point EN 361, the MOTION SYS-TEM efficiently splits the energy of the fall to the particular body parts
- the front fall arrest point EN 361 (the red light alloy D-ring) is placed lower than usual and makes a full use of the advantages of the front part of the MOTION SYSTEM
- thanks to the MOTION SYSTEM it is also possible to use this attachment point for work
  positioning, without limiting the user's movement. The user is thus able to work without
  any problems, while being at the same time safely attached to the fall arrest attachment
  point and protected against the possibility of fall
- the red D-ring can also be used as EN 813 because it functions as an extension of the whole mobile bridge
- also usable for rope access the harness can be easily supplemented with the CAM CLEAN chest ascender
- easy adjustment of the waist belt and comfort during putting the harness on are ensured by two buckles (STANDARD on the right side and SPEED on the left side)
- the side textile loops for the work positioning EN 358 are highlighted by red sewing and can be used for two carabiners at most
- the 3D waist belt is equipped with a rubberized strength fabric with number of attachment holes through which the reep cord can be drawn to create different kinds of loops, or to which the additional carabiners for the tool bag can be attached (the maximum bearing capacity of each hole is 10 kg)
- the belt is also equipped with two standard grey textile loops with bearing capacity of  $5\,kg$
- the ring-shaped leg loops are lightweight, yet very comfortable, their size can be easily adjusted with the steel buckles and they are connected to the work positioning belt by an elastic strap at the back
- a neoprene pocket for small objects on the right leg loop
- reflective printing on the waist belt increases the visibility of the safety harness

Weight: (M/L) 1570 g • 55,38 oz Size: S, M/L, XL C€ 1019 • EN 358 • EN 813 • EN 361







W0074DR

# SEAMASTER 3D STAINLESS STEEL 👟



Fully adjustable harness for rope access with a padded wide waist belt, leg loops and shoulder straps. Suitable for work positioning, fall arrest and work restraint situations. This harness is specially intended for workers at offshore oil platforms.

- stainless steel components make the harness ultimate choice for offshore operations
- padded waist belt, shoulder straps and leg loops
- wide waist belt provides maximum comfort when working at height
- narrowed padding and webbing on the shoulder straps in a neck area enhance comfortable work
- reflective printing on the waist belt increases the visibility in dark working conditions
- front attachment point for fall-arrest according to EN 361
- front lower attachment point for descender placement or work positioning according to EN 813
- side attachment points for work positioning according to EN 358
- 3 braided gear loops with a bearing capacity of 5 kg
- heavier items up to 35 kg can be attached to the webbing on the waist belt
- additional loops with a bearing capacity of 5 kg offer additional space for the gear and better gear orientation
- combination of standard and SPEED buckles enable fluent and fast adjustment to fit the users body
- special construction of central loop provides excellent comfort when hanging in the harness
- easy fixing CAM CLEAN ascender in vertical position is provided by stitched strap between lower front attachment point and front tie-in point

Weight: 1870 g [size M/L] • 66 oz Size: S, M/L, XL C€ 1019 • EN 361 • EN 358 • EN 813





W0086B0

W0050

## ANTISHOCK I 🌭



Full body harness for rope access, work positioning, fall arrest. The Antishock I is the perfect solution for work at height in explosive atmospheres. It is particularly suitable for energetics, petrochemical and mining environments.

- all metal and alloy parts are overmolded with colored plastic with an electrical puncture resistance of 10 k∨ and antistatic finishing
- shoulder attachment points for confined space rescue according to EN 1497
- double buckles made in accordance with strict American standards (ANSI, NFPA). Its minimum strength is 17.8 kN.
- front and back fall arrest attachment points according to EN 361 meets American standards (ANSI, NFPA). Marked with additional "A" marking
- 2 side attachment points for work positioning according to EN 358
- Front lower attachment point for descender placement or work positioning according to EN 813

- anatomic waist belt, leg loops and shoulder straps padding ensure enough comfort
- narrowed padding and webbing on the shoulder straps in a neck area enhance a comfortable work
- chest ascender smart fixation system
- chest ascender maillon slot (recommended maillon big D, EN 362)
- 2 large braided gear loops with a bearing capacity of 5 kg
- identification and methodical label. To prolong its lifetime is advised to hide this label under the webbing.
- name tag for easier recognition of the harness

#### Size: S, M/L, XL

Weight (M/L): 2100g • 74.1 oz CE 1019 • EN 358 • EN 813 • EN361 • EN 1497 ANSI Z359.1 • NFPA Class III



## TARZAN 🌭



# Fully adjustable full body harness intended for rope courses and adventure parks.

- attachment point for work in hanging position, rappelling according to EN 813.
- anatomic waist belt and leg loops padding
- speed buckle connecting shoulder straps with waist belt. Increased comfort when putting the harness on.
- buckle with a captive bar matches strict American standards (ANSI). Its minimum strength is 17.2 kN. No webbing slippage in a buckle. Its construction ensures longtime operation and efficiency (easy releasing and fastening even when dirty and tough webbing).
- Shoulder webbing has different colour for easy manipulation
- Left leg loops with red colour inside helps to put the harness on
- Different colour of rear plate for each size.
- Dorsal attachment point according EN 361. Steel D-ring with a bearing capacity of 15 kN. This D-ring is flat and settled on a padding.
- Webbing strap stitched in the buckle simplify handling with buckle

Size: XS – S, M – XL Weight: 1530 g (M – XL) ±15 g • 54 oz C€ 1019 • EN 813 • EN 361



W0059BR

HARNESSES

# TARZAN ECONOMIC 🌢



# Fully adjustable full body harness intended for rope courses and adventure parks.

- front attachment point for belaying and rappeling according to EN 12277 type C
- waist belt and leg loops without the padding enables to put a harness to every person
- rear steel D-ring with a bearing capacity of 15 kN according EN 361
- shoulder straps, waist belt and leg loops are easily adjustable with Easy Lock buckles
- all steel components are finished with E coating technology for higher corrosion resistance
- left leg loop with red colour helps to put the harness on
- webbing strap stitched in the buckle simplify handling with a buckle
- dorsal plastic plate with different color according the size of the harness (S – yellow, UNI – red)

Size: S (110 − 150 cm), UNI (150 − 200 cm) Weight: 1050 g • 34 oz (UNI) C€1019 • EN 12277 • EN 361





#### W0087BY

# ROPEDANCER II 🌢



Fully adjustable full body harness with various attachment points intended for rope courses and adventure parks

- easy to put on and off,
- easy to adjust, thanks to 5 double buckles and 1 SPEED buckle
- bright color font lower attachment point for rappelling and belaying according to EN 813
- waist belt in different (black) color for better orientation within the harness
- front and rear attachment points according to EN 361 for fall-arrest
- 2 gear loops with a bearing capacity of 5 kg
- max. rated load of the harness 150 kg
- different color of the rear triangle for each size
- suitable also for working at height

Weight: (S/M/L) 1195g • 42.15 oz CE 1019 • EN 361 • EN 813





# BODY II STANDARD 🌢

W0068BR black version – W0068BB



BODY II SPEED 🍋

# Fully adjustable fall-arrest harness with various attachment points.

- two fall-arrest attachment points according to EN 361
- harness is compact and light-weight, thus suitable for horizontal or inclined space. It also allows temporary hanging in.
- intended for working in places with the risk of fall
- flat rear attachment point does not affect comfort when wearing the backpack or breathing apparatus
- shoulder and leg loops webbings are colour distinguished for easy manipulation
- webbing stitched in the buckle simplify handling
- two gear loops with max. load 5 kg
- easy to adjust, easy to put on and off
- suitable also for rope courses and adventure parks
- different colour of rear triangle for each size (S/M/L- grey, XL/XXL- yellow)
- 2 sizes fit whole size range from 150 to 210 cm

Size: S/M/L, XL/XXL, XXXL Weight: 1025 g • 36.16 oz (size S/M/L) C€ 1019 • EN 361





W0071BY black version – W0071BB



# Fully adjustable fall-arrest harness with various attachment points.

- version with Speed buckles on the leg loops enables easy putting the harness on
- easy to adjust, easy to put on and off
- webbing stitched in the buckle simplify handling

Size: S/M/L, XL/XXL, XXXL Weight: 1185 g • 41.8 oz (size S/M/L) CE 1019 • EN 361





W0093SY

# BODY II ENERGY SPEED

## NEW



Fully adjustable fall-arrest harness with various attachment points, speed buckles and comfortable padding.

- suitable for working situations whith maximum freedom of movement during work positioning
- stitched waist belt padding allows horizontal or vertical movement of the padding thus providing maximum comfort during a work.
- side attachment points for work positioning according EN 358
- front and rear attachment points according EN 361 marked with "A" label
- removable and washable shoulder and leg loops padding provides great comfort
- shoulder padding with reflective straps and integrated loops for hooks storage
- webbing stitched in the buckles simplify handling
- two gear loops with max. load 5 kg
- 4 additional plastic hooks for light gear attachment
- different colour of rear triangle for each size (S/M/L- grey, XL/XXL- yellow)
- 2 sizes fit whole size range from 150 to 210 cm

Size: S/M/L, XL/XXL, XXXL Weight: 2250 g • 79.44 oz (size S/M/L) C€ 1019 EN 361 EN 358









W0090SY

W0089SY

## BASIC LIGHT 🅒



## Fully adjustable fall-arrest harness with a rear dorsal attachment point.

- dorsal rear D-ring attachment point according to EN 361
- one gear loop with max load of 5 kg
  easy to adjust thanks to 4 easy-lock buckles, easy to put on and off
- different color of the rear webbing for each size (S/M/L grey, XL/XXL yellow)
- all steel components finished with E-coating for higher corrosion resistance
- 2 sizes fit whole size range from 150 to 210 cm
- suitable for use with a range of accessories like Pole, Harness Padding, Suspension Trauma Safety Strap

Size: S/M/L, XL/XXL Weight: 760 g • 26.81 oz / 810 g • 28.5 oz C € 1019 • EN 361





## BASIC 🌢



#### Fully adjustable fall-arrest harness with rear dorsal and front sternum attachment points.

- dorsal rear D-ring and front textile twin loops attachment points according to EN 361
- one gear loop with max load of 5 kg
- easy to adjust thanks to 4 easy-lock buckles, easy to put on and off
- different color of the rear webbing for each size (S/M/L grey, XL/XXL yellow)
- all steel components finished with E-coating for higher corrosion resistance
- 2 sizes fit whole size range from 150 to 210 cm
- suitable for use with a range of accessories like Pole, Harness Padding, Suspension Trauma Safety Strap

Size: S/M/L, XL/XXL Weight: Weight: 820 g • 29 oz / 885 g • 31 oz C € 1019 • EN 361







## FAVORABLE COMBINATIONS

Singing Rock also offers favorable combinations of the fall-arrest harnesses and range of accessories:

		Xe		X
Harness /	/ Accessory	w/ Padding	w/Pole II	w/ Padding and Pole II
	Basic Light	M0023DX	M0023PX	M0023XX
	Basic	M0024DX	M0024PX	M0024PX
	Body II standard	M0025DX	M0025PX	M0025XX
	Body II speed	M0026DX	M0026PX	M0026XX

## POLE II 🅒

W0073



# Belt for work positioning and prevention against the falls from a height.

- anatomic padded waist belt ensures minimal bruising and enough comfort in the waist area
- two side "D" ring for work positioning according to EN 358, tested for 15 kN strength
- two braided gear loops with a bearing capacity of 5 kg
- slots designed for a secure hanging of expensive equipment (such as power saw, drilling machine,...) with a capacity of 1 kN
- speed buckles allow easy manipulation when dressing up and undressing

### Recommended use:

- for work positioning and prevention of falls from a height
- possible combination with fullbody fall-arrest harness BODY II

Size: S, M/L, XL Weight: (M/L) 595g • 21 oz C € 1019 • EN 358

W0092BB

W2020X080

# HARNESS PADDING



Removable shoulder and leg padding intended for Body II, Basic and Basic Light harnesses.

- durable and soft material spreads the tension to a bigger surface to increase the conform of wearing the harness
- reduces the effects of suspension trauma after a fall
- integrated loops on shoulder padding for hooks storage
- removable and washable padding

Size: S/M/L, XL/XXL Weight: 236 g • 8.33 oz (S/M/L) 

## CONNECTION STRAP



## Extremely light and durable sling intended mainly for connection between rear dorsal attachment point and self-retractable lifelines.

- allows an easy self-connection to the rear EN 361 D-ring
- made out of dyneema
- 15 cm and 5 cm long loops are on both ends of a sling
- big loop is overturned to make a Girth Hitch knot over a D ring

Length: 80 cm Width: 13 mm Weight: 40 g • 1.41 oz C€ 1019 • EN 354

# SUSPENSION TRAUMA SAFETY STRAP





#### Auxiliary sling preventing effects of suspension trauma after a fall.

- helps to relieve pressure in the groin area while a worker is awaiting rescue
- easy to attach to a harness using a girth hitch and velcro strap
- plastic cover increases resistance during normal working activities
- patented Rock&Lock buckle ensures easy length adjustment
- colored stepping loop
- suitable for Body II, Basic and Basic Light harnesses

Weight: 63 g • 2.2 oz Material: polyamide





Fully adjustable sit harness for work positioning. The new design of this sit harness is characterized by perfect functionality, great comfort and lightness. Intended for all vertical activities without any risk of the fall.

- super comfortable wide waist belt padding provides maximum comfort when working at height
- strength webbing on the waist belt is stitched in the way that at normal working situation the body weight is absorbed by the padding only
- anatomic leg loops and waist belt are covered with strong PES fabric providing high abrasion resistance
- SPEED buckles enable fluent and fast adjustment to fit a user's body
- side attachment points for work positioning according to EN 358
- front attachment point for descender placement or work positioning according to EN 813, EN 358

- reflective strap and printing on the waist belt increase the visibility in dark working
- conditions
  4 ergonomic braided gear loops with a bearing capacity 15 kg
- additional loops on the waist belt and leg loops with a bearing capacity of 5 kg offer additional space for the gear and better gear orientation
- slots on the waist belt for PORTER tool holder to carry your industrial tools

Size: S, M/L, XL Weight: (M/L) 1515 g • 53.44 oz C € 1019 • EN 358 • EN 813



# SIT WORKER 3D / STANDARD 🍋



# Fully adjustable sit harness with easy-lock buckles for work positioning.

- thermo finished webbing in a waist belt for easy handling and higher durability
- all steel components finished with E coating for higher corrosion resistance
- super comfortable wide waist belt padding provides maximum comfort when working at height
- side attachment points for work positioning according to EN 358

Size: S, M/L, XL Weight: (M/L) 1195 g • 42.15 oz C € 1019 • EN 358 • EN 813







W0076DR

W0075DR

black version – W0075DB

SIT

black version – W0076DB

#### W0077DR

W0022BB

# SIT WORKER 3D / SPEED STEEL 🕒



Fully adjustable sit harness for work positioning with the stainless steel components and SPEED buckles.

- SPEED buckles enable fluent and fast adjustment to fit a user's body
- the harness is made in an accordance with a strict American standards (NFPA)
- 4 ergonomic braided gear loops with a bearing capacity 15 kg
- super comfortable wide waist belt padding provides maximum comfort when working at height
- side attachment points for work positioning according to EN 358

Size: S, M/L, XL Weight: (M/L) 1650 g • 58.2 oz CE 1019 • EN 358 • EN 813 NFPA Class II





## URBAN II 🕒



## Sit harness for work positioning

- anatomic waist belt and leg loops padding perfectly fits to man anatomy
- textile attachment point for work in hanging position, rappelling according to EN 813.
- textile positioning points according to EN 358 are placed symmetrically, tested for 15 kN strength.
- 2 braided gear loops with a bearing capacity of 10 kg provide enough space for 10 pieces of HMS carabiners
- additional loops with a bearing capacity of 5 kg offer additional space for the gear and better gear orientation
- slots designed for a secure hanging of expensive equipment (such as power saw, drilling machine,...)
- identification and methodical label. To prolong its lifetime is advised to hide this label under the webbing.

Size: S, M/L, XL Weight: M/L 850 g (±15g) • 30 oz C € 1019 • EN 358 • EN 813





## FRANKLIN

ALADIN 🅒

W0010YB black version – W0010BB



# Work positioning seat provides more comfort when hanging in the harness.

- intended for use with our fall arrest or work positioning harnesses
- easy to adjust with Rock&lock buckles. Attachment straps are shorter to fit better to thinner users
- inside padding is made of aluminium which allows long term use without any deformation
- wider sitting area ensures good stability and allows comfortable suspension as well as standing at work positioning
- suspension straps do not press on your thighs

• three D-rings (bearing capacity 50 kg) for bucket or other gear suspension

Max. load of seat: 150 kg Weight: 1615 g • 57 oz

C5056



#### **Chest harness**

- designed to be used together with a sit harness
- optimising body positon while hanging or falling
- made from lightweight wide nylon webbing
- very durable and affordable to all climbers

Must be worn with sit harness. Do not use chest harness alone!

Size: UNI Weight: 240 g • 8.5 oz C€ 1019 • EN 12277 • ∰



RL CHEST 🍋

black version – W0200BB



#### Fully adjustable chest harness

Use only in combination with a sit harness!

Size: UNI Weight: 600 g • 21.2 oz € 1019

Timber 3D – W0061DR

## TIMBER 3D 🅒





Work positioning harness presenting a perfect choice for the arborists. Ideal solution for those who spend all day in the tree top.

- super comfortable wide waist belt and leg loops padding provides maximum comfort when hanging in the harness
- strength webbing on the waist belt is stitched in the way that at normal working situation the body weight is absorbed by the padding only
- removable and exchangable bridge connecting the leg loops
- adjustable sliding O-ring enables you to • take safe, comfortable and effective work position
- side D-rings for work positioning EN 358 or gear attachment
- anatomic leg loops and waist belt are covered with strong PES fabric providing high abrasion resistance
- 4 gear loops with a bearing capacity of 5 kg provide enough space for your gear.

- rear haul loop with a bearing capacity of 10 kg for the chain saw or other heavy qear
- additional loops at the waist belt and leq loops with a bearing capacity of 5 kg offer additional space for the gear and better gear orientation
- heavier items up to 35 kg can be attached to the webbing on the waist belt
- SPEED buckles enable fluent and fast adjustment to fit a user's body
- rear upper loop for the shoulder straps connection (PULLER)
- rear adjustable loop at the waist belt allows to attach First Aid Kit
- slots at the waist belt for PORTER tool holder to carry your industrial tools

#### Size: S, M/L, XL

Weight: 1860 g / 1940 g • 65.61 oz / 68.43 oz (€ 1019 • EN 358 • EN 813





W9500Y

## TREEMOUSE



# JINGLE II



#### Arboristic throwing bag for tree climbing

- situable for installation of the anchor point in a treetop using cambium saver (JINGLE)
- used for dropping small branches down from the tree top
- situable for installation of the working rope to the places with comlicated access

material: high endurance synthetic fabric PES steel welded ring of 3 cm in diameter polyamid webbing colour: yellow, blue/yellow, blue TREEMOUSE 300

300 g/yellow/code: W9500Y300

#### **TREEMOUSE 350**

350 g/blue/yellow/code: W9500Y350

## **TREEMOUSE 400**

400 g/blue/code: W9500Y400

Ê

steel ring – W1040R ALU ring – W1041R without ring – W1042R

- Cambium saver intended for use in tree climbing as anchor device and belay anchor. The different size of the rings enables easy and quick installing and removing of the sling from the ground. As well suitable in industry as an anchor device.
- length of the slings with "O" ring – 100, 120, 150 cm
- strength 25 kN
- inside and outside diameter of "O" rings: ALU: big 46/70 mm, small 28/52 mm steel: big 58/78, small 38/57

- 3 layers of webbing sewn together
- red colour of webbing for better visibility
- available with aluminium "O" rings or without "O" rings.

C€ 1019 • EN 795B



W0070RR00

8 mm - W2608

10 mm - W2610

# TIMBER BRIDGE



## Replacement connecting loop

Material: polyamide Width: 20 mm Length: 32.5 cm Weight: 37 g

## TIMBER ACCESSORY CORD



#### With sewn eyes.

- rope diameter 8 and 10 mm
- the use of the PES/TECHNORA material

combination results in a better thermal and mechanical resistance of the sheath Length:

diameter 8 mm – 75, 80, 85, 100 cm diameter 10 mm – 80, 85, 90, 100 cm Strength: 18 kN (8 mm) 20 kN (10 mm)

C€ 1019 • EN 795B

HARNESSES

# EVACUATION TRIANGLE SIT II 🌑



## Evacuation triangle for a person to rescue from a chair lift or a cable car.

- chest plastic buckle for easy putting on the triangle
- durable steel attachment points
- easy to put on and take off
- adjustable crotch webbing
- made from durable ripstop material

Only for rescue purposes. Size: UNI • Weight: 800 g • 1.8 lb EN 1498



## Evacuation triangle with shoulder straps for a person to rescue from a chair lift or a cable car.

- special shoulder straps for better fixing a person in evacuation triangle
- straps are made from different color for better attachment management
- durable steel attachment points
- easy to put on and take off
- adjustable crotch webbing
- made from durable ripstop material

Only for rescue purposes. Size: UNI • Weight: 880 g • 1.9 lb C € 1019 • EN 1497 • EN 1498



W0005YBO9 black version – W0005BB09

## LAIKA



# Dog harness intended for transport of the dog from a helicopter.

- side light-alloy reinforcements
- easy and quick fastening with velcro
- max. load 150 kg

Size: UNI





W8201BY00

W8220

## BABY RESCUE BAG 🕒





#### Rescue bag for the children evacuation.

- designed for rescue transporting of the children (height 40-110 cm, max. weight 25 kg)
- safety fixation by 3 belts with Velcro and with the safety straps led to cross during the transporting.
- inner padding is very comfortable and fully removable and washable
- top cover with full zipper and ventilation hole
- stabilization strap of the top cover to prevent the camber of the cover to the face of the child during the transport by the helicopter
- colored loops for the carabiner fixation and adjusting the position of the bag
- side ventilation holes covered by PVC net
- durable material with the reflection elements
- hygienic inner textile cover included

Size: 80x45x35 cm Weight: 3300 g Material: PVC, PAD, PES, PES / cotton CE • EN 1497





## singing rock

	type of buckles	black version	code	size	weight M/L [g]	waist [cm/in]	leg loops [cm/in]	height [cm]
EXPERT 3D	standard	yes	W0078DR02	S		65-80 / 25-31	45-60 / 18-24	150–170
		yes	W0078DR03	M/L	2110	75–100 / 29–39	50-75 / 19-29	160–180
		yes	W0078DR05	XL		85-130 / 33-51	50-75 / 19-29	175–205
	speed	yes	W0079DR02	S	2415	65-80 / 25-31	45-60 / 18-24	150–170
		yes	W0079DR03	M/L		75–100 / 29–39	50-75 / 19-29	160–180
		yes	W0079DR05	XL		85-130 / 33-51	50-75 / 19-29	175–205
	speed steel	no	W0080DR02	S		65-80 / 25-31	45-60 / 18-24	150–170
		no	W0080DR03	M/L	2685	75-100 / 29-39	50-75 / 19-29	160–180
		no	W0080DR05	XL		85-130 / 33-51	50-75 / 19-29	175–205
EXPERT III	standard	yes	W0078BR02	S		60-80 / 23-31	45-60 / 18-24	150–170
		yes	W0078BR03	M/L	2155	75–100 / 29–39	50-75 / 19-29	160–180
		yes	W0078BR05	XL		85-130 / 33-51	50-75 / 19-29	175–205
	speed	yes	W0079BR02	S		60-80 / 23-31	45-60 / 18-24	150–170
A		yes	W0079BR03	M/L	2450	75-100 / 29-39	50-75 / 19-29	160-180
		yes	W0079BR05	XL		85-130 / 33-51	50-75 / 19-29	175–205
17	speed steel	no	W0080BR02	S		60-80 / 23-31	45-60 / 18-24	150–170
		no	W0080BR03	M/L	2665	75–100 / 29–39	50-75 / 19-29	160–180
		no	W0080BR05	XL		85-130 / 33-51	50-75 / 19-29	175–205
PROFI WORKER 3D	standard	yes	W0082DR02	S		65-80 / 25-31	45-60 / 18-24	150–170
		yes	W0082DR03	M/L	2075	75-100 / 29-39	50-75 / 19-29	160–180
		yes	W0082DR05	XL		85-130 / 33-51	50-75 / 19-29	175–205
0	speed	yes	W0081DR02	S		65-80 / 25-31	45-60 / 18-24	150–170
		yes	W0081DR03	M/L	1777	75-100 / 29-39	50-75 / 19-29	160-180
		yes	W0081DR05	XL		85-130 / 33-51	50-75 / 19-29	175–205
$\mathbf{N}$	speed	yes yes yes	W0081BR03 W0081BR05 W0082BR02	M/L XL S	1650	75–100 / 29–39 85–130 / 33–51 60–80 / 23–31	50-75 / 19-29 50-75 / 19-29 45-60 / 18-24	160–180 175–205 150–170
		yes	W0082BR03	M/L	1960	75–100 / 29–39	50-75 / 19-29	160–180
		yes	W0082BR05	XL		85–130 / 33–51	50-75 / 19-29	175–205
TECHNIC	standard	yes	W0063BB02	S		65-80/25-31	45-60/18-24	150–170
		yes	W0063BB03	M/L	1620	75-100/29-39	50-75/20-29	160–180
		yes	W0063BB05	XL		85-130/33-51	50-75/20-29	175–205
	speed steel	yes	W0064BB02	S	2450	65-80/25-31	45-60/18-24	150–170
e			W0064BB03	M/L		75-100/29-39	50-75/20-29	160-180
			W0064BB05	XL		85-130/33-51	50-75/20-29	175–205
ROOF MASTER	mix	no	W0091BY02	S		65-80 / 25-31	45-60 / 18-24	
4		no	W0091BY03	M/L	1570	75–100 / 29–39	50-75 / 19-29	160–180
		no	W0091BY03	XL		85-130 / 33-51	50-75 / 19-29	175–205

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HARNESSES

	type of buckles	black version	code	size	weight M/L [g]	waist [cm/in]	leg loops [cm/in]	height [cm]
SEAMASTER 3D		no	W0074DR03	S		65-80 / 25-31	45-60 / 18-24	150–170
-		no	W0074DR03	M/L	1870	75-100/29-39	50-75/19-29	160–180
		no	W0074DR05	XL		85–130/33–51	50-75/19-29	175–205
ANTISHOCK I	standard	no	W0086B002	S		55-80/22-31	45-60/18-24	150–170
		no	W0086B003	M/L	2100	75-100/29-39	50-75/20-29	160-180
		no	W0086B005	XL		85–130/33–51	50-75/20-29	175–205
ARZAN	mix	no	W0050BR02	XS-S	1530	50-80 / 20-31	45-60 / 18-24	145–165
		no	W0050BR05	M-XL	.500	70-130 / 27-51	50-75 / 19-29	160-205
ARZAN ECONOMIC			W0059BR	UNI	1050	UNI	59–78	150-200
				S			43–78	110-150
OPEDANCER II	mix	no	W0087BY01	XS		UNI	UNI	125-155
$\sim$		no	W0087BY03	S/M/L	1195	UNI	UNI	150–185
		no	W0087BY05	XL/XXL		UNI	UNI	180-210
ODY II	standard	yes	W0068BR03	S/M/L	1025	UNI	45-70 / 18-27	150–185
		yes	W0068BR05	XL/XXL		UNI	45-85 / 18-33	180–210
		yes	W0068BR07	XXXL		UNI	45-95 / 18-39	150-185
					1185	UNI		
	speed	yes	W0071BR03	S/M/L	COIL	UN	45-70 / 18-27	
	speed	yes yes	W0071BR03 W0071BR05	S/M/L XL/XXL	COIL	UNI	45-70 / 18-27 45-85 / 18-33	150–185



	type of buckles	black version	code	size	weight M/L [g]	waist [cm/in]	leg loops [cm/in]	height [cm
BODY II ENERGY SPEED	speed	no	W0093SY	S/M/L	2250	75-130 / 29-51	55-75 / 22-29	150–185
		no		XL/XXL		85-145 / 33-57	65-90/25-35	180-210
				XXXL		85-155 / 33-61	65-105 / 25-41	180-210
ASIC	mix	no	W0089SY03	S/M/L	820	UNI	45-70 / 18-27	150–185
00		no	W0089SY05	XL/XXL		UNI	45-85 / 18-33	180-210
ASIC LIGHT	mix	no	W0090SY03	S/M/L	760	UNI	45-70/18-27	150–185
		no	W0080SY05	XL/XXL		UNI	45-85/18-33	180-210
6)								
OLE II	RL buckle	yes	W0073BR02	S		65-80 / 25-31		
		yes	W0073BR03	M/L	450	75–100 / 29–39		
		yes	W0073BR05	XL		85-130 / 33-51		
IT WORKER 3D	standard	yes	W0075DR02	S		65-80 / 25-31	45-60 / 18-24	
IT WORKER 3D	standard	yes yes	W0075DR02 W0075DR03	S M/L	1195	65–80 / 25–31 75–100 / 29–39	45–60 / 18–24 50–75 / 19–29	
IT WORKER 3D	standard				1195			
IT WORKER 3D	standard speed	yes	W0075DR03	M/L	1195	75–100 / 29–39	50-75 / 19-29	
T WORKER 3D		yes yes	W0075DR03 W0075DR05	M/L XL	1195	75–100 / 29–39 85–130 / 33–51	50-75 / 19-29 50-75 / 19-29	
T WORKER 3D		yes yes yes	W0075DR03 W0075DR05 W0076DR02	M/L XL S		75–100 / 29–39 85–130 / 33–51 65–80 / 25–31	50-75 / 19-29 50-75 / 19-29 45-60 / 18-24	
T WORKER 3D		yes yes yes yes	W0075DR03 W0075DR05 W0076DR02 W0076DR03	M/L XL S M/L		75-100 / 29-39 85-130 / 33-51 65-80 / 25-31 75-100 / 29-39	50-75 / 19-29 50-75 / 19-29 45-60 / 18-24 50-75 / 19-29	
T WORKER 3D	speed	yes yes yes yes yes	W0075DR03 W0075DR05 W0076DR02 W0076DR03 W0076DR05	M/L XL S M/L XL		75-100 / 29-39 85-130 / 33-51 65-80 / 25-31 75-100 / 29-39 85-130 / 33-51	50-75 / 19-29 50-75 / 19-29 45-60 / 18-24 50-75 / 19-29 50-75 / 19-29	
T WORKER 3D	speed	yes yes yes yes yes no	W0075DR03           W0075DR05           W0076DR02           W0076DR03           W0076DR05           W0077DR02	M/L XL S M/L XL S	1515	75-100 / 29-39 85-130 / 33-51 65-80 / 25-31 75-100 / 29-39 85-130 / 33-51 65-80 / 25-31	50-75 / 19-29 50-75 / 19-29 45-60 / 18-24 50-75 / 19-29 50-75 / 19-29 45-60 / 18-24	
	speed	yes yes yes yes no no	W0075DR03           W0075DR05           W0076DR02           W0076DR03           W0076DR03           W0076DR05           W0077DR02           W0077DR03	M/L XL S M/L XL S S M/L	1515	75-100 / 29-39 85-130 / 33-51 65-80 / 25-31 75-100 / 29-39 85-130 / 33-51 65-80 / 25-31 75-100 / 29-39	50-75 / 19-29 50-75 / 19-29 45-60 / 18-24 50-75 / 19-29 50-75 / 19-29 45-60 / 18-24 50-75 / 19-29	
	speed speed steel	yes yes yes yes no no no	W0075DR03           W0075DR05           W0076DR02           W0076DR03           W0076DR03           W0076DR05           W0077DR02           W0077DR03           W0077DR05	M/L XL S M/L XL S M/L XL	1515	75-100 / 29-39 85-130 / 33-51 65-80 / 25-31 75-100 / 29-39 85-130 / 33-51 65-80 / 25-31 75-100 / 29-39 85-130 / 33-51	50-75 / 19-29         50-75 / 19-29         45-60 / 18-24         50-75 / 19-29         50-75 / 19-29         45-60 / 18-24         50-75 / 19-29         45-60 / 18-24         50-75 / 19-29         50-75 / 19-29         50-75 / 19-29         50-75 / 19-29         50-75 / 19-29	
IT WORKER 3D	speed speed steel	yes yes yes yes no no no yes yes	W0075DR03           W0075DR05           W0076DR02           W0076DR03           W0076DR05           W0076DR05           W0077DR05           W0077DR05	<ul> <li>M/L</li> <li>XL</li> <li>S</li> <li>M/L</li> <li>XL</li> <li>S</li> <li>M/L</li> <li>XL</li> <li>S</li> <li>S</li> <li>S</li> </ul>	1515	75-100 / 29-39         85-130 / 33-51         65-80 / 25-31         75-100 / 29-39         85-130 / 33-51         65-80 / 25-31         75-100 / 29-39         85-130 / 33-51         65-80 / 25-31	50-75 / 19-29         50-75 / 19-29         45-60 / 18-24         50-75 / 19-29         50-75 / 19-29         45-60 / 18-24         50-75 / 19-29         50-75 / 19-29         50-75 / 19-29         50-75 / 19-29         45-60 / 18-24         50-75 / 19-29         50-75 / 19-29         50-75 / 19-29         50-75 / 19-29	

	type of buckles	black version	code	size	weight M/L [g]	waist [cm/in]	leg loops [cm/in]	height [cm]
ALADIN	double buckle	yes	C5056	UNI	240			
RL CHEST	RL buckle	yes	W0200BB	UNI			chest max. 125/49	
	mix	no	W006DR02	S		55-80 / 21-31	45-60 / 18-24	
		no	W0061DR03	M/L	1860	70–100 / 28–39	50-65 / 20-25	
		no	W0061DR05	XL		85-130 / 33-51	55-75 / 22-29	






STATIC DYNAMIC SPECIAL SPELEO CORDS ACCESSORIES









### STATIC ROPES

Excellent quality static ropes intended for rope access, rescue or manipulation with objects. Static ropes meet the highest requirements for workers at height, firemen, rescuers and other professionals.

 Pack 30, 40, 50, 60, 70, 80, 100 m coil, 100, 200 m spool or the lenght on customer's request

### STITCHED EYE



All SINGING ROCK ropes which are marked with Stitched eye icon are possible to be produced with one or two stitched eyes at the end of the rope.

## ULTRASONIC

#### ULTRASONIC ending is an excellent way of rope ending.

All SINGING ROCK ropes are ended by a unique technology ULTRASONIC.

The load-bearing core and the protective sheath are joined into a compact unit in the last 15 mm of the rope which eliminates the sheath slippage.

#### STATIC R44 10.5





L0430WR white L0430RR red L0430BB black L0430KK khaki

**C€** 1019 • EN 1891
○ • NFPA



#### STATIC R44 11.0



L0450WG	white
L0450RR	red
L0450BB	black
L0450OO	orange

C€ 1019 • EN 1891
On the second s





#### ROUTE 44

#### experience the touch of the future

Route 44 is unique technology invented and patented by Singing Rock. Route 44 technology allows blending of properties that were considered impossible before. Rope braided by using Route 44 technology is more compact, softer and above all it is more durable than conventional rope. All that is achieved by making no compromises in using correct sheath thickness, which is round-braided by 44 carriers. These features combine to give you better rope.

#### STATIC 10.5





L0230WR white L0230RR red L0230BB black L0230KK khaki

license.

span.

TEFLON® DUPONT®

Selected SINGING ROPES are produced

with a DuPontTM TEFLON® fabric protector

Ropes protected by a TEFLON® layer have

extraordinary water and abrasion resis-

tance. The TEFLON® layer also effectively

prevents the intrusion of dust particles into

the rope structure and thus increases its life-

CE 1019 • EN 1891 • 💭



#### STITCHED EYE

Selected SINGING ROCK static ropes which are marked with Stitched eye icon are possible to produce with one or two stitched eyes at the end of the rope.



#### STATIC 11.0





white
red
black

#### (€ 1019 • EN 1891 • ○ • NFPA



### STATIC R44 10.5



MILITARY: This collection of static ropes has been specially prepared for the use of police and army forces and other special units. If you require the best quality and a special design, MILITARY ropes are the best choice.

L0430BB L0430KK

C€ 1019 • EN 1891 • NFPA • One

black

khaki



### STATIC R44 11.0



L0450BB black

CE 1019 • EN 1891 • NFPA • 💭



## STATIC 11.0 / STATIC 10.5



 Static 11.0

 L0250BB
 black

 C€ 1019 • EN 1891 • NFPA • ◯

 Static 10.5

 L0230BB
 black

 L0230KK
 khaki

 C€ 1019 • EN 1891 • €

ROPES

### STATIC 9.0



L0220WR white L0220BB black





## CONTRA 10.5





Static rope for various purposes.

C€ 1019 • EN 1891 • ○



### SPELEO



L0440WR SPELEO R44 10.5 L0240WR SPELEO 10 5





#### ICON DRY 9.3

L0380YX

L0524GW



L0520GW



- even with a small diameter, this rope provides long lifespan
- Thermotransfer end marking
- Middle marking
- Ultrasonic ending ٠

L0580AA

#### KATA DRY 9.7



#### **KATA 9.7**

High-end climbing single rope with high safety factors and extremely high durability. Suitable for both experienced climbers and beginners.

- the unique patented InterCore technology provides maximum safety even in case of a damaged sheath
- narrow diameter and great handling provide easy manipulation in all belay devices
- thanks to the sandwich-type construction of braided layers and the use of specially

developed staple fibres the rope has super high resistence to abrasion.

- special Teflon treatment provides longer lifetime during the usage. Teflon treatment is applied on the core and sheath by revolutionary nanotechnology.
- Thermotransfer end marking
- Middle marking
- Ultrasonic ending
- Teflon<sup>®</sup> Treatment

(€1019 • EN 892 • 💭 • (1)

L057AA



High-end climbing single rope with high safety factors and extremely high durability. Suitable for both experienced climbers and beginners.

- narrow diameter and great handling provide easy manipulation in all belay devices
- the unique patented InterCore technology provides maximum safety even in case of a damaged sheath
- thanks to the sandwich-type construction of braided layers and the use of specially

developed staple fibres the rope has super high resistence to abrasion.

- Thermotransfer end marking
- Middle marking
- Ultrasonic ending

C€1019 • EN 892 • ○ • ①

L3044AG00

#### STORM DRY 9.8



#### STORM 9.8



- this rope provides great handling, low-weight and high durability
- special Teflon® Eco treatment provides longer lifetime during the usage
- TEFLON® is applied on the ropes by revolutionary nanotechnology which makes the top of the line impregnated ropes
- narrow diameter and higher UIAA fall rating (UIAA falls 9) help you to improve your climbing achievements

- ideal for all-round climbing, training hard routes and RP ascents.
- Teflon® Treatment
- Thermotransfer end marking
- Middle marking
- Ultrasonic ending

(€ 1019 • EN 892 • 💭 • ①

#### L3040GA00





#### Single rope with great balance in weight, durability and use. Perfect choice for allround climbing.

- narrow diameter and higher UIAA fall rating (UIAA falls 9) help you to improve your climbing achievements
- this rope provides great handling, low-weight and high durability
- the rope is very compact, durable and pleasant to use
- ideal for all-round climbing, training hard routes and RP ascents.

- Thermotransfer end marking
- Middle marking
- Ultrasonic ending

(€ 1019 • EN 892 • 💭 • 1

#### MYSTIC DRY 10.1



- this unique technology gives to the rope great handling, low-weight and high durability
- rope is very compact, durable and pleasant to use
- suitable for all belay devices on the market
- Thermotransfer end marking

44

L0340AX

L0540YX



**DURAN 10.4** 

#### ACCORD 8.3

#### Half and twin rope with excelent durability and lightness.

• Teflon<sup>®</sup> is applied on ropes by revolutio-

weight, diameter and number of falls are balanced in such a way that can be used

nary nanotechnology.

as a half and twin rope.

- · compact rope which has minimal interfiber friction, thereby increasing durability.
- tested and certified according to the EN 892 standard requirements for half ropes and twin ropes
- weight, diameter and number of falls are ٠ balanced in such a way that can be used as a half and twin rope
- used in pairs, the climber can choose between the twin rope technique or half

rope technique. Whatever technique is required at the time.

- Thermotransfer end marking
- Ultrasonic ending

(€ 1019 • EN 892 • 💭 • 1⁄2@)

L0514

- used in pairs, the climber can choose between the twin rope technique or half rope technique. Whatever technique is
- Thermotransfer end marking

#### (€ 1019 • EN 892 • 💭 • 1⁄2@)

L0510

ROPES

L3020

#### GEMINI 7.9



## Half and twin rope for those who count every gram.

- lightweight rope with top parameters allows wide use: ice climbing, mix routes, glacier tours or mountaineering
- tested and certified according to EN 892 standard requirements as half rope and twin rope
- with our special TEFLON® treatment Gemini 7.9 is ideal for ice climbing or extreme ascents in the mountains
- TEFLON<sup>®</sup> is applied on ropes by revolutionary nanotechnology
- used in pairs, the climber can choose between the twin rope technique or half rope technique. Whatever technique is required at the time
- TEFLON® Treatment
- Thermotransfer end marking
- Ultrasonic ending

(€1019 • EN 892 • 💭 • 1⁄2@



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#### THERMOCUTTER

X0004GB



### ROPEMARKER

E0015XX



# COW'S TAIL

When you need to mark your rope, use SINGING ROCK Rope Marker

The ideal machine for cutting the ropes and accessory cords. Compact hand-held. The blade heats quickly. For save and fast

cutting the ropes.

- with dark ink and easy-to-use design, you'll never be left wondering in those unsure situations
- when the middle marking fades you can mark it again with this specially formulated rope marker
- you can mark the center of ropes or any other part of the harness or sling

For use with: PA, PP, PES, PE.

4,5 m long piece of 11mm dynamic rope to create lanyards using figure eight knots according to IRATA recommendations.

Length: 4.5 m Rope diameter: 11 mm €€ 1019 • EN 892 • ∰





#### HAMMER CORD

2 mm – L0002 3 mm – L0003



unwanted movement

lifting over sharp edges

ensures safe work at height and load



### ROPE PROTECTOR

W8100B

# Protects rope sheath against abrasion on rough surfaces.

50/70/100/120 cm • 20/28/40/48 in Material: PVC Colour: mix colours

#### DEFENDER

W1027B



#### Protects rope sheath against abrasion on rough surfaces. Allows to put 2 ropes in.

80/120 cm • 32/48 in Material: Cortex

#### EDGE ROLLER



#### Compact light edge roller for rope protection made from aluminium alloy.

- suitable for working on the sharp edges
- protects a moving rope againts the abrasion.
- fully adjustable to any work situation
- intended for safe work at height or heavy weights hauling
- parts are connected by maillons. Number of parts can be added as needed
- modular perfectly copy the terrain

- anodized side plates
- set includes 3 parts of edge roller and 4 maillons

Weight: 777g • 27.41 oz

K0050OS01

set - K0050OS03



EDGE ROLLER - PART

• it is possible to extend the size of Edge Roller set by adding the separate moduls

Weight: 232g • 8.18 oz

#### DYNAMIC ROPES

		code	colour	length* [m]	diameter [mm]	weight [g/m]	static elong. [%]	dynamic elong. [%]	falls	impact force [kN]	type
	ICON DRY	L0384RX	red	30 - 80. 100. 200	9.3	57	9.0	33.9	5	8.4	single
	ICON	L0380YX	yellow	30 - 80. 100. 200	9.3	57	9.0	33.9	5	8.4	single
Var 3ª	HERO DRY	L0524GW	blue	30 - 80. 100. 200	9.6	60	6.3	36.5	8	7	single
	HERO	L0520GW	white	30 - 80. 100. 200	9.6	60	6.3	36.5	8	7	single
	KATA DRY	L0580AA	azul	30-200	9.7	61	9.0	30	5	7.7	simples
	KATA	L057AA	azul	30-200	9.7	61	9.0	30	5	7.7	simples
	STORM DRY	L3044AG	blue	30 - 80. 100. 200	9.8	65	6.3	35	9	9.1	single
	STORM	L3040GA	green	30 - 80. 100. 200	9.8	65	6.3	35	9	9.1	single
	GYM	L3050RY	red	30 - 80. 100. 200	10.1	68	7.4	37	6	7.9	single
	MYSTIC DRY	L0534AG	rainbow	30 - 80. 100. 200	10.1	68	5.7	32	9	7.9	single
	MYSTIC	L0530RA	rainbow	30 - 80. 100. 200	10.1	68	5.7	32	9	7.9	single
	SCORE	L0360GG	green	30 - 60. 80. 100. 200	10.1	66	7	31.9	8	9.1	single
	DURAN	L0340AX	blue	30 - 60. 80. 100. 200	10.4	70	6	31.3	10	8.7	single
	PATRON	L0540YX	yellow	30 - 80.100.200	11.0	78	6	33.8	16	8.2	single
	ACCORD DRY	L0514OG	orange	30 - 70. 100. 200	8.3	43	9 / 6.4	32 / 34	5 / 15	5.9 / 9.7	half / twin
		L0514GO	green	30 - 70. 100. 200	8.3	43	9 / 6.4	32 / 34	5 / 15	5.9 / 9.7	half / twin
1.1	ACCORD	L0510AG	blue	30 - 70. 100. 200	8.3	43	9 / 6.4	32 / 34	5 / 15	5.9 / 9.7	half / twin
		L0510GA	green	30 - 70. 100. 200	8.3	43	9 / 6.4	32 / 34	5 / 15	5.9 / 9.7	half / twin
	GEMINI	L3020	red	30 - 70. 100. 200	7.9	39	8 / 7.3	33 / 29	5 / 16	5.7 / 8.3	half / twin
ZADA		L3020	yellow	30 - 70. 100. 200	7.9	39	8 / 7.3	33 / 29	5 / 16	5.7 / 8.3	half / twin

CE • EN 892 • 💭 • packaging dynamic ropes: pack – 30. 40. 50. 60. 70. 80. 100 m • coil – 200 m

#### STATIC ROPES

		code	strength [kN]	knot breaking force [kN]	stitched eye strength [kN]	static elongation [%]	number of falls	weight [g/m]	type
	STATIC R44 10.5	L0430	31.5	19.8	27.7	3.4	>15	72	A
	STATIC R44 11	L0450	34.9	22.3	28.5	3.2	>20	77	A
The seal of the	STATIC 9	L0220	25.5	14.5	-	3.5	>8	52.9	В
	STATIC 10.5	L0230	30.4	18.6	24.3	3.3	>10	69	A
	STATIC 11	L0250	34.5	22.0	28.1	3.3	>20	80	A
and for	CONTRA 10.5	L026	30.4	18.6	24.3	3.3	>10	69	A

CE • EN 1891 • 💭 • packaging static ropes: pack – 30. 40. 50. 60. 70. 80. 100 m • coil – 100. 200 m

#### Static rope characteristic

Type A rope – low stretch kernmantel rope designed for general use by persons in rope access including all kinds of work positioning and restraint; in rescue and in caving Type B rope – low stretch kernmantel rope of a lower performance than type A ropes, requiring greater care in use (standard does not content other specification).

#### Static strength defined in the standard

22 kN for the ropes of type A

18 kN for the ropes of type B  $\,$ 

Another standard requirement says, the material used for rope produ-

ction shall have the melting point higher than 195 °C, so polyethylene or polypropylene are not suitable for the production of the ropes.

#### **Rope elongation**

The rope elongation shall not be higher than 5%, tested by loading the rope for 3 min with 150kg load (pretension 50 kg)

#### Dynamic performance

Fall test with two meters long rope terminated with figure-eight knots; fall factor 1. The testing mass 100 kg for type A ropes, 80 kg for type B ropes.

ROPES

#### SPELEO ROPES

		strength [kN]	knot breaking force [kN]	static elongation [%]	number of falls	weight [g/m]
	SPELEO R44 10.5	35.6	22.1	3.4	>15	72
ii Magarang S	SPELEO 10.5	29.2	18	3.3	>10	69

CE • EN 1891 • 💭 packaging speleo ropes: pack – 30. 40. 50. 60. 70. 80. 100 m • coil – 100. 200 m

### ACCESSORY CORDS

	coil	diameter [mm]	weight [g/m]	strength [kN]	length [m]	ft
- And Mark	L0021	2	2.8	1.2	100	328
COD.	L0031	3	6.5	1.9	100	328
14/14/2	L0041	4	12.6	3.2	100	328
ane	L0051	5	18.7	5	100	328
	L0051BB	5	18.7	5	100	328
ane	L0061	6	23.2	9	100	328
	L0061BB	6	23.2	9	100	328
12011	L0071	7	35.1	11.5	100	328
ille	L0081	8	39.8	16	100	328

CE 1019 • EN 564 • 💭 • note: Hammer Cords L0002. L0003 do not fulfill EN standards and CE.

#### ROPE TERMINOLOGY:





# CONNECTORS

STEEL LIGHT ALLOY ACCESSORY CARABINERS

CONNECTORS







screw - K0114EE00

### HECTOR / SCREW HECTOR / TRIPLE LOCK



Large versatile pear-shaped HMS carabiner with screw/triple lock gate designed for multiple uses mainly for belaying or anchoring when working at height. Due to high strength and large gate opening it is mainly used as a central carabiner when anchoring.

- pear-shaped basket facilitates belaying with the Münter hitch or other belay devices
- angled snag free Keylock nose for smooth clipping and unclipping maneuvers
- rough notches on the screw/triple locking sleeve for easy manipulation even with gloves
- each carabiner is individually tested for a strength of 10 kN
- large rope bearing area for better rope glide and reduced wear on the carabiner
- gate opening and basket area are large enough to easily accommodate a big anchor point or more slings
- hot-forged I-beam construction makes the carabiner extremely strong, stiff and light

- excellent ergonomic provides perfect handling with the carabiner
- anodized finishing increases corrosion resistance

Strength:  $\Rightarrow$  30  $\Rightarrow$  9  $\odot$  8 kN Gate opening (d): 26 mm Weight: screw – 83 g / 2.9 oz triple – 89 g / 3.1 oz

C€ 1019 • EN 12275 • EN 362

HECTOR BC / SCREW HECTOR BC / TRIPLE LOCK screw BC – K0114EC00 screw BC black – K0114BC00 triple BC – K0121EC00 triple BC black – K0121BC00



Large versatile pear-shaped HMS carabiner with screw/triple lock gate and removable captive bar designed especially as a fixed connector in anchor systems or lanyards.

- captive bar keeps the carabiner in its proper orientation
- bar is easily removable with an Allen key no. 3
- this carabiner keeps your gear well-arranged and minimizes the chance of cross loading

Strength:  $\Rightarrow$  30  $\Rightarrow$  9  $\odot$  8 kN Gate opening (d): 26 mm Weight: screw – 85 g / 3 oz Triple – 91 g / 3.2 oz

C€ 1019 • EN 12275 • EN 362

### BORA / SCREW, BORA / TWL BORA / TRIPLE LOCK

screw – K0107EE00 screw black – K0107BB00 TWL – K0108EE00 TWL black – K0108BB00 triple lock – K0119EE00 triple lock black – K0119BB00



BORA screw



Bora TWL

#### Versatile pear-shaped HMS locking biner designed for belaying, rappelling and anchor building.

- hot-forged I-beam construction makes the carabiner extremely strong, stiff and light
- large rope bearing area for better rope glide and reduced wear on the carabiner
- pear-shaped basket facilitates belaying with the Münter hitch or other belay devices
- angled snag free Keylock nose for smooth clipping and unclipping maneuvers
- opening and basket area are large enough to easily accommodate the clove hitch
- available with screw, twist and triple lock gate, all of them easy to handle
- for better gear management the screw gates are in different colors
- each carabiner is individually tested for the strength 10 kN
- unique production number for better traceability and inspection



Bora triple

#### BORA GP / SCREW



### HMS carabiner designed specifically to eliminate the dangers of cross loading.

- safety wire gate keeps the carabiner in its proper orientation
- hot-forged I-beam construction offers an improved strength/weight ratio
- large rope bearing area for better rope glide and reduced wear on the carabiner
- screw locking sleeve for great handling and effective locking
- very popular for climbing gyms and ropes centres

• each carabiner is individually tested for

K0107EP00

black - K0107BP00

- the strength 10 kN
  unique production number for better
- unique production number for better traceability and inspection

### COLT / SCREW

K0112EE00 black – K0112BB00



Our smallest, super light locking carabiner. Ideal for belaying and anchor building on trad and alpine climbs.

- hot-forged I-beam construction makes the biner very light and still extremely strong with 11 kN gate open rating
- angled snag free Keylock nose for smooth clipping and unclipping maneuvers
- ergonomic shape and gate position designed to provide large opening and large basket area
- screw locking sleeve for great handling and effective locking
- for better gear management the screw gates are in different colors
- each carabiner is individually tested for the strength 10 kN
- unique production number for better traceability and inspection

### COLT / STRAIGHT COLT / BENT

straight – K0111EE00 straight black – K0111BB00 bent – K0110EE00 bent black – K0110BB00



Full size size hot forged carabiner with solid gate. This real all–round biner is engineered to be used for accessory cords, gear attachment and other purposes.

- hot-forged I-beam construction makes the biner very light and still extremely strong with 11 kN gate open rating
- the overall shape and gate position designed to provide large opening and large basket area
- angled snag free Keylock nose for smooth clipping
- shaped grooves on the straight gate facilitate clipping and unclipping
- large rope bearing radius reduces the wear of rope
- available with straight and bent gate
- each carabiner is individually tested for the strength 10 kN

#### OXY / SCREW, OXY / TWL, OXY / TRIPLE LOCK

Screw – K0122EE05 Screw black – K0122BB05 TWL – K0122EE06 TWL black – K0122BB06 Triple lock – K0122EE07 Triple lock black – K0122BB07



Hot-forged light alloy oval carabiners designed to be used especially with pulleys, ascenders and descenders.

- hot-forged I-beam construction makes the carabiner extremely strong, stiff and light
- rough notches on the locking sleeve for easy manipulation
- angled snag free HYPERLINK "http:// www.singingrock.com/Keylock" Keylock nose for smooth clipping and unclipping
- almost oval shape makes the carabiner easy to turn around in device's attachment points, anchors or slings
- thanks to the oval shape, pulleys attached are loaded symmetrically
- large rope bearing area for better rope glide and reduced wear of the carabiner

- each carabiner is individually tested for a strength of 10 kN
- anodized finishing increases the corrrosion resistance
- unique production number

Strength: • 26 \$ 8 c 7 kN Gate opening (d): 21 mm Weight: Screw: 74g • 2.61 oz TWL/Triple lock: 81g • 2.86 oz C€ 1019 • EN 12275 • EN 362

#### OXY BC / SCREW, OXY BC / TWL OXY BC / TRIPLE LOCK

Screw – K0123EC05 Screw black – K0123BC05 TWL – K0123EC06 TWL black – K0123BC06 Triple lock – K0123EC07 Triple lock black – K0123BC07



### Hot-forged light alloy oval carabiner with a removable captive bar.

- captive bar keeps the carabiner in its proper orientation
- the bar is easily removable with an Allen key no. 2
- this carabiner keeps your equipment well-arranged and minimizes the chance of cross loading
- missing captive bar does not affect the strength of the carabiner and it is allowed to use the carabiner without a bar
- serial unique number for better traceability and inspection

Strength: • 26 \$ 8 c 7 kN Gate opening (d): 21 mm Weight: Screw: 76 g • 2.68 oz TWL/Triple lock: 83 g • 2.93 oz C €1019 • EN 12275 • EN 362



### OZONE / SCREW

K0016AA00 black matt – K0016BB00

Oval carabiner, key lock, screw gate ◆ 26 kN \$10 kN ↔7 kN gate opening (d): 21 mm unique production number 80 g • 2.82 oz C€ 1019 • EN 362 • EN 12275



# OZONE / TWL

K0017AA00 black matt – K0017BB00



Oval carabiner, key lock, twist lock ◆26 kN ♦9 kN ◘7 kN gate opening (d): 21 mm unique production number 85g • 3 oz C€ 1019 • EN 362 • EN 12275

# OZONE / TRIPLE LOCK black matt-K0018AA00



#### Oval carabiner, key lock, triple lock ↔ 26 kN \$9 kN O7 kN gate opening (d): 21 mm unique production number 85 g • 3 oz C€ 1019 • EN 362 • EN 12275



Ozone carabiners / Ozone has been designed to be used with pulleys, ascenders and descenders: its almost oval shape makes the carabiner easy to turn around in slings or belay station.



#### MAILLON MINI OVAL

K82006Z

MAILLON SMALL OVAL

K82008Z



singing rock

> D 6 mm • 4 kN gate opening 7,5 mm zinc-plated • 33 g



D 8 mm • 35 kN gate opening 11 mm zinc-plated • 77 g C€ 0082 • EN 12275 • EN 362 • 💭

#### MAILLON SMALL DELTA K82207Z

D 7 mm • 4 kN gate opening 8.5 mm zinc-plated • 58 g

#### MAILLON BIG DELTA

K82210Z



**BIG SQUARF** 

D 10 mm • 45 kN gate opening 12 mm zinc-plated • 153 g C€ 0082 • EN 12275 • EN 362 • 🕰

### MAILLON BIG D



D 10 mm • 45 kN gate opening 10 mm zinc-plated • 153 g C€ 0082 • EN 12275 • EN 362 • 💭



D 10 mm • 45 kN gate opening 12 mm zinc-plated • 166 g • 5.86 oz C€ 0082 • EN 12275

• EN 362 • 💭

#### **BIG TWIST**



D 8 mm • 32 kN gate opening 17,5 mm zinc-plated • 106 g • 3.74 oz C € 0082 • EN 12275 • EN 362 • 💭 K82508Z

K82310Z



SMALL CONNECTOR

**Small connector with double trigger** automatic locking gate opening 21 mm • 25 kN polished, Al • 150 g • 5.29 oz unique production number

**€ 0333 • EN 362** 

K82410Z

K3702PP

steel – K3690ZO

### D STEEL / SCREW

K4080ZO



D steel conector / screw with screw gate, key lock, zinc plated ↔50 kN \$13 kN ©20 kN gate opening (d) 25 mm • 255 g • 9 oz unique production number C€ 1019 • EN 362

## OVAL STEEL / TRIPLE LOCK K4241Z007



**Oval steel connector /triplelock** with key lock and triplelock gate

◆ 30 kN ◆9 kN ☎8 kN gate opening (d) 18 mm • 195 g • 6.9 oz unique production number C€ 1019, EN 362

# OVAL STEEL / SCREW

K4241ZO05



Oval steel connector / screw with screw gate, key lock, zinc-plated ◆ 30 kN ◆9 kN ⇔8 kN gate opening (d) 18 mm 176 g • 6,21 oz unique production number C€ 1019 • EN 362

## CONNECTOR GIGA

K3550PP00 black – K3550BB00



with double trigger automatic locking gate opening 110 mm • 25 kN polished, AI • 965 g • 34.04 oz unique production number C€ 0321 • EN 362

### D STEEL / TRIPLE LOCK





#### D steel connector /triplelock

with triplelock gate, key lock, zinc plated ◆50 kN \$13 kN ©20 kN gate opening (d) 25 mm • 267 g • 9 oz unique production number C€ 1019 • EN 362





Light alloy double action carabiner designed to be used especially on Via Ferrata routes, also certified as an industrial termination connector.

- hot forged gate
- double action opening system
- wear indicator shows when to retire the carabiner from use
- anodized finishing increases corrosion resistance
- carabiner is available in two color versions (with yellow or grey gate)
- each carabiner is individually tested for a strength of 10 kN
- unique serial number

Weight: 117 g / 4.1 ozMaterial: aluminum alloy, plastic, stainless steelStrength major axis: 28 kNStrength minor axis: 14 kNStrength open gate: 7 kNGate opening (d): 28 mm C€ 1019 • EN 362/T • EN 12275/K



K3536PP00 black – K3536BB00



with double trigger automatic locking gate opening 60 mm • 28 kN polished, Al • 450 g • 15.87 oz unique production number C € 0321 • EN 362

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#### PORTER

#### K9000BB03

K5182EE00



### Plastic holder for racking ice screws, pitons and industrial tools.

- for racking ice screws, pitons and industrial tools on the harness
- easy clipping and un-clippingthe nose on the upper part
- allows to set away some stuff in order to access stuff on the bottom.
- rubber part fixes the Porter on place and prevent it from rotation

WARNING: NOT FOR CLIMBING! The Porter is NOT load-bearing! It is not designed to hold human's weight. Do not use it for protection or belaying. Gate opening: 23 mm Max. load: 5 kg Weight: 32 g • 1.13 oz



### MINI PEAR

K5052EE00



accessory carabiners mix colour • 16 g • 0.56 oz • gate opening (d) 11 mm Not for climbing.

#### MINI D SCREW

K0027BY00



accessory carabiners black colour • 28 g • 1 oz gate opening (d) 13 mm 3 kN

Not for climbing.

# MINI D



accessory carabiners mix colour • 25 g • 0.88 oz • gate opening (d) 14 mm Not for climbing.





#### TECHNOLOGY



#### KEYLOCK for easy manipulation

Key lock is an extremely simple and ingenious locking system that solves the problems associated with the traditional design of carabiners. It eliminates any risk of ropes or slings becoming entangled in the gate or in the carabiner nose when it is being connected or released. Neither the gate, which is completely cylindrical, nor the nose has any sharp edges. Ropes and slings do not, therefore, come into the contact with any cutting edges.



#### HOT FORGING the latest technology in manufacturing of light alloy hardware

Aluminum alloy is heated state when being forged into the final shape. This allows the metal to be formed more easily so it can be moved to areas where it is needed and removed from the areas where it is not needed. In comparison with cold forged binners, the hot forged binners are lighter, more durable and stronger.



#### UNIQUE PRODUCTION NUMBER identification of metal parts

For better traceability and inspection recording the Singing Rock metal parts are marked with the unique production number. Singing Rock metal parts marked with the unique production number are in this catalogue indicated with text "unique production number".



туре	preview	code	colour / surface	material	EN12275 sport	EN362 work	♦ kN	≑ kN	ා kN	gate open. [mm]	weight [g]	oz
D STEEL / SCREW		K4080ZO	zinc-plated	steel	-	•	50	13	20	25	255	8.93
D STEEL / TRIPLE LOCK	$\bigcirc$	K4081ZO	zinc-plated	steel	-	•	50	13	20	25	267	9.35
OVAL STEEL / SCREW		K4241ZO05	zinc-plated	steel	-	•	30	9	8	18	176	6.21
OVAL STEEL / TRIPLE LOCK		K4241ZO07	zinc-plated	steel	-	•	30	9	8	18	195	6.9
COLT / SCREW		K0112EE00	mix	ALalloy	•	•	26	8	11	18	48	1,7
COLT / SCREW BLACK	0	K0112BB00	black	ALalloy	•	•	26	8	11	18	48	1,7
COLT / STRAIGHT	0	K0111EE00	grey	ALalloy	•	-	26	8	11	21	42	1,5
COLT / STRAIGHT BLACK	0	K0111BB00	black	ALalloy	•	-	26	8	11	21	42	1,5
COLT / BENT		K0110EE00	yellow	AL alloy	•	-	26	8	11	21	42	1,5
COLT / BENT BLACK	0	K0110BB00	black	AL alloy	•	-	26	8	11	21	42	1,5
COLT / WIRE STRAIGHT	$\bigcirc$	K0113EE00	silver	ALalloy	•	-	26	8	11	22	36	1,3
COLT / WIRE BENT	$\bigcirc$	K0120EE00	blue	ALalloy	•	-	26	8	11	22	36	1,3
BORA / SCREW	$\bigcirc$	K0107EE00	mix	ALalloy	•	•	23	8	8	22	63	2,2
BORA / SCREW BLACK	$\bigcirc$	K0107BB00	black	ALalloy	•	•	23	8	8	22	63	2,2
BORA / TWL	$\bigcirc$	K0108EE00	grey	ALalloy	•	•	23	8	8	22	68	2,4
BORA / TWL BLACK	$\bigcirc$	K0108BB00	black	AL alloy	•	•	23	8	8	22	68	2,4
BORA / TRIPLE LOCK	$\bigcirc$	K0119EE00	orange	ALalloy	•	•	23	8	8	22	68	2,4
BORA / TRIPLE LOCK BLACK	0	K0119BB00	black	ALalloy	•	•	23	8	8	22	68	2,4
BORA GP / SCREW	$\bigcirc$	K0107EP00	grey	ALalloy	•	•	23	8	8	22	64	2,3
BORA GP / SCREW BLACK	0	K0107BP00	black	ALalloy	•	•	23	8	8	22	64	2,3
HECTOR / SCREW	$\bigcirc$	K0114EE00	blue	ALalloy	•	•	30	9	8	26	83	2.9
	0	K0114BB00	black	ALalloy	•	•	30	9	8	26	83	2.9
HECTOR / TRIPLE LOCK	$\bigcirc$	K0121EE00	blue	ALalloy	•	•	30	9	8	26	89	3.1
	0	K0121BB00	black	ALalloy	•	•	30	9	8	26	89	3.1
HECTOR BC / SCREW	$\bigcirc$	K0114EC00	blue	ALalloy		•	30	9	8	26	85	3
HECTOR BC / SCREW	0	K0114BC00	black	ALalloy	•	•	30	9	8	26	85	3

#### CONNECTORS

	_											
HECTOR BC / TRIPLE	$\bigcirc$	K0121EC00	blue	AL alloy	•	•	30	9	8	26	91	3.2
	$\bigcirc$	K0121BC00	black	ALalloy	•	•	30	9	8	26	91	3.2
OXY SCREW	$\bigcirc$	K0122EE05	golden	AL alloy	•	•	26	8	7	21	74	2.6
OAT SCREW	0	K0122BB05	black	ALalloy	•	•	26	8	7	21	74	2.6
OXY TWL	$\bigcirc$	K0122EE06	golden	ALalloy	•	•	26	8	7	21	81	2.9
OXTIWE	0	K0122BB06	black	ALalloy	•	•	26	8	7	21	81	2.9
	$\bigcirc$	K0122EE07	golden	ALalloy	•	•	26	8	7	21	81	2.9
OXY TRIPLE LOCK	0	K0122BB07	black	ALalloy	•	•	26	8	7	21	81	2.9
	$\bigcirc$	K0123EC05	golden	ALalloy	•	•	26	8	7	21	76	2.7
OXY BC SCREW	0	K0123BC05	black	ALalloy	•	•	26	8	7	21	76	2.7
	$\bigcirc$	K0123EC06	golden	ALalloy	•	•	26	8	7	21	83	2.9
OXY BC TWL	0	K0123BC06	black	ALalloy	•	•	26	8	7	21	83	2.9
OXY BC TRIPLE LOCK	$\bigcirc$	K0123EE07	golden	ALalloy	•	•	26	8	7	21	83	2.9
	0	K0123BB07	black	ALalloy	•	•	26	8	7	21	83	2.9
	$\bigcirc$	K0016AA00	blue	ALalloy	•	•	26	10	7	21	80	2.82
OZONE / SCREW	$\bigcirc$	K0016BB00	black	AL alloy	•	•	26	10	7	21	80	2.82
OZONE / TWL	$\bigcirc$	K0017AA00	blue	ALalloy	•	•	26	9	7	21	85	3
OZONE / TWL	0	K0017BB00	black	AL alloy	•	•	26	9	7	21	85	3
	$\bigcirc$	K0018AA00	blue	ALalloy	•	•	26	9	7	21	85	3
OZONE / TRIPLE LOCK	0	K0018BB00	black	ALalloy	•	•	26	9	7	21	85	3
SMALL CONNECTOR		K3702PP	silver	ALalloy	-		25			21	150	5.29
SMALL CONNECTOR	GD	K3690ZO	zinc-plated	steel	-	•	25			244	244	8.6
BIG CONNECTOR		K3536201	silver	ALalloy	-		28			60	450	15.87
BIG CONNECTOR	Ø	K3536BB00	black	ALalloy	-	•	28			60	450	15.87
	$\bigcirc$	K3550PP	silver	ALalloy	-		25			110	965	34.04
GIGA CONNECTOR	$\bigcirc$	K3550BB00	black	ALalloy	-	•	25			110	965	34.04
		K0124SY09	yellow	AL alloy			28	14	7	28	117	4.1
PALM CONNECTOR		K0124ST09	grey	AL alloy	•	•	28	14	7	28	117	4.1









HELMETS

#### FLASH 🍋



Professional protective helmets designed with emphasis to comfortability and durability. Helmets are available in two models depending on the user's choice according the working situation.

- helmet construction with shock resistant ABS/PC shell and without EPS lining provides great ventilation and comfort for user
- fully adjustable headband with two side and two rear adjusting sleeves to regulate the length of the chin straps
- fast, easy and durable size adjustment mechanism on the back of the helmet with UNI size 53–63 cm
- suspension straps easily adjustable to 3 depth levels

- four head lamp holders for any head lamp available on the market
- inner padding fully removable and hand or machine washable at 30 °C (86 °F)
- helmets can be safely used in the temperatures ranging from -30 to +50 °C (-22 to 122 °F)
- universal 30 mm accessory slot is compatible with most of the visors and hearing protectors on the market
- certified with Hellberg safety ear muffs
- reflective stickers included
- unique number marking





#### FLASH INDUSTRY 🌭

red – W9601RX00 white – W9601WX00 yellow – W9601YX00 black – W9601BB00 high visible – W9601QX00

Professional safety helmet for industrial work and construction sites. Its main purpose is to protect the user against falling objects and voltage.

- safety chin strap in compliance with EN 397 is released at a load ranging between 15 and 25 daN (approx. 15–25 kg), which eliminates the risk of strangling
- suitable for working situations where, in case of fall, the risk of strangling is higher than risk of dropping the helmet
- fulfils EN 397 optional requirements: low temperature (−30°C), lateral deformation, electrical insulation (440∨ a.c.)
- five color variants
- fulfills side impact force requirements according to EN 12492

Weight: 455 g • 16.05 oz Material: ABS/PC Size: UNI (53–63 cm) Color: yellow, white, red, black, high-visibility yellow C€ 1015 • EN 397 (LD, 440∨ a.c., -30 °C)

> red – W9603RX00 high visible yellow – W9603QX00



FLASH ACCESS 🕒

Protective helmet for work at heights, working over free depth and rescue purposes. It is primarily intended for protection against falling objects and to protect against voltage.

- helmet has a solid chin strap that will withstand a load of at least 50 kg, which prevents the possibility of dropping the helmet in case of fall
- suitable for work at heights activities where, in case of fall, the risk of dropping the helmet is higher than risk of strangling
- combines the requirements of EN 397 and EN 12492
- fulfils EN 397 optional requirements: low temperature (−30°C), lateral deformation, electrical insulation (440∨ a.c.)

• fulfills side impact force requirements according to EN 12492

Weight: 455 g • 16.05 oz Material: ABS/PC Size: UNI (53–63 cm) Color: red, high-visibility yellow C6 (LD, 440V a.c., -30 °C) C6 1015

> red – W9602RX00 high-visibility yellow – W9602QX00

#### FLASH AERO 🌭



Protective well ventilated helmet for work at heights, working over free depth and rescue purposes. Suitable for heavily physically working persons. Its main purpose is to protect the user against falling objects.

- helmet has a solid chin strap that will withstand a load of at least 50 kg, which prevents the possibility of dropping the helmet in case of fall
- suitable for work at heights activities where, in case of fall, the risk of dropping the helmet is higher than risk of strangling
- combines the requirements of EN 397 and EN 12492

 fulfils ventilation requirements according to EN 12492 which ensures better ventilation for heavily physically working persons and persons working in excessively warm environments

Weight: 455g • 16.05 oz Material: ABS/PC Size: UNI (53–63 cm) Colors: red, high-visibility yellow C6



grey - C0071SS00

white - C0071WW00

#### PENTA



Extremely lightweight, super-comfortable and fully ventilated climbing helmet. All this combined with a maximum head protection. For its comfort and lightweight design is ideal for sport climbing, mountaineering, trad climbing or via ferrata.

blue - C0071AA00

red - C0071RR00

- Co-molded expanded polystyrene foam and hard polycarbonate shell engineered to ensure maximal head protection and still keep lightweight and low profile
- Narrow straps of retention system are very soft and light and do not press as standard hard-plastic headbands
- Soft (webbing made) rear adjustment system (headband) conforms better to the head and provides compact storage in the backpack
- Extended chin strap length allows to wear a hat under the helmet
- 4 headlamp clips are imbedded to avoid snagging, robust for easy handling and secure attachment of any headlamp on the market
- 11 vents and air channels built in the foam facilitate excellent ventilation
- Inside padding is fully removable and washable
- Available in 4 color versions

Weight: 205 g • 7.23 oz Color: blue, grey, red, white Size: UNI (51–60 cm) CE • EN 12492 • 💭





HELME	TS Product name	code	color	head circumfe- rence (cm)	weight (g)	EN 397	EN 12492	CE	S				→⊖←	
	FLASH INDUSTRY	W9601	yellow, white, red, black, high-visibility yellow	53–63	455	•	_	<b>с€</b> 1015	¥	440∨ a.c.	_	–30 °C		
	FLASH ACCESS	W9603	red, high visible yellow	53–63	455	_	_	<b>€€</b> 1015	min. 50 kg	440∨ a.c.	_	-30 °C	•	
Ŷ	FLASH AERO	W9602	red, high visible yellow	53–63	455	_	_	CE	min. 50 kg	_	•	–10 °C	_	
	PENTA	C0071	blue, red, grey, white	51–60	205	_		CE	min. 50 kg	_		–10 °C	_	



#### SAFE PC ELECTRIC ARC VISOR

X0049XX00



singing rock

#### Visor providing protection against electric arc up to 400 volts.

- approved to medium impact and suitable for electrical work
- visor is possible to attach with or without the earmuffs
- for attaching to the FLASH helmet SAFE 2 FLEX CARRIER and SECURE earmuffs or CLASSIC ADAPTOR are needed

Material: PC Length: 200mm • Weight: 116g Thickness: 1,5mm C€ EN 166/1B389 • EN 170/2-1,2



# SAFE NYLON MESH VISOR X0051XX00

Light weight and non-conductive visor which stays close to your face for great coverage.

- gives a comfortable airflow
- approved to low impact
- visor is possible to attach with or without the earmuffs
- for attaching to the FLASH helmet SAFE 2 FLEX CARRIER and SECURE earmuffs or CLASSIC ADAPTOR are needed

Intended for attachment of the visors to

helmet using earmuffs or adaptors.Compatible with Flash helmets.

(EN 166/1731 ANSI Z87+

Light transmisson 58–61% Length: 185mm Weight: 36g CEN 1731/F ANSI Z87

### CLASSIC ADAPTOR (PAIR) X0053XX00



# Allows attachment of the flex carrier for face shield without earmuffs.

- compatible with Flash helmets
- sold in pair

### SAFE 2 FLEX CARRIER

X0052XX00



# FLASH PADDING

W9604XX00



Replacement foam padding for FLASH helmets. • easy maintenance and replacing

the padding

Weight: 6g • Material: PE
W9605XX00

### OVER



Protective eye shield suitable for industrial work and construction sites. Its main purpose is to protect the user against fastmoving particles.

- durable positioning mechanism with two positions
- knurled screw for easy manipulation
- robust shield body with excellent optical performance area with anti scratch film
- fulfills EN 166 / 1 / F (I First optical quality
- F Increased resistance against fast flying particles)
- shield is clear and do not have any pro-• tection against UV radiation

• compatible with the Singing Rock FLASH helmet family. Cannot be used separately or with another helmets.

Height: 100 mm Thickness: 2.25 mm Material: PC Weight: 100 g • 3.5 oz



1 C - X0048XX25 2 C - X0048XX29 3 C - X0048XX31

### SECURE EARMUFFS





### **SECURE EARMUFFS 1C**

The cap mounted earmuff is the ideal choice for any work that requires head and hearing protection.

- durable construction withstands rough environments
- slim design reduces the risk of snagging in confined areas
- available in three protection levels, clearly indicated with bright safety colours for easy identification and selection
- fully compatible with Safe Visor System
- universal 30 mm euro slot adaptor is com-• patible with most helmets on the market non-conductive
- smooth telescopic size adjustment
- certified with Flash helmets

Size: UNI Weight: 250 g SNR: 25 • NRR: 22 • SLC (80): 25 Suitable for: construction sites, engineering, forestry work, agriculture, mining

**C€** EN 352-3:2002

#### **SECURE EARMUFFS 2C**

Great choice for long term use in middle noise environment or for shorter use with high noise level.

The best choice for high frequency noise. Weight: 271 g NRR: 24 • SLC (80): 28 Suitable for: construction sites, engineering, forestry work, agriculture, mining C€ EN 352-3:2002

#### **SECURE EARMUFFS 3C**

#### Earmuffs suitable for extremely high noise environment.

The best choice for low oscillation frequency.

Weight: 300 g SNR: 31 • NRR: 27 • SLC (80): 31 Suitable for: mining, car racing **C€** EN 352-3:2002



# HARDWARE

ANCHOR AND BELAY DEVICES ASCENDERS DESCENDERS PULLEYS SELF BRAKING DEVICES RETRACTABLE FALL ARRESTERS







K032SIR00

### SIR 🅒

singing rock



Robust multifunctionality device for use in industrial rope access. Its functionality spans the range from rope descender and abseiling device through fall-arrest device to work positioning device for use on roofs and edges.

- unimpeded movement of the cam
- by pulling onto the working end of the rope the cam engages and jams the rope
- by pulling the lever the cam gradually releases the rope. If the lever is pulled down to its terminal position the double -stop function is triggered which blocks the rope again
- spring loaded pin for impeded swinging of the cam
- easy and intuitive installation of the device onto the rope. (watch the pictograms and read the instruction of use)
- no hidden mechanisms for easy inspection
- metal lever under all industrial conditions tested for 225 Kg according to EN 12841(rope access)

Weight: 365g • 12.88 oz Rope diameter: 10–12 mm Working load: 225 kg

EN 341-A Singing Rock static rope R 44 11 mm EN 12841-C static rope 10–12 mm C € 0123 • EN 358 • EN 795 Type B



K031DSD00

## DOUBLE STOP PLUS 🍛



Descender with double locking and self-braking anti-panic system in case of accidental loss of descent control.

- the descender doesn't have movable flanges. This makes it a robust and mistake-resilient device (quick insertion and release, no need to unclip it for rope insertion)
- new cam tested for higher loads enhanced braking in both stop positions
- unique way of rope insertion. Diminished possibility of incorrect insertion of the rope. Even incorrect insertions will not result in a fall as the rope is blocked.
- sensitive and longer handle enables smooth descent without harmful rope twisting, gentle and progressive braking (enhanced press stop braking mode)
- rubberized handle provides pleasant feeling, non slip and thermal insulation.
- ergonomically improved curved edges and longer flanges provide the user with a comfortable grip with the handle
- integrated wear indicator
- high strength plain bearing added to the pivoting cam

- all parts in contact with the rope are made of stainless steel – minimum possible wear
- rope diameter: 9-12mm
   9mm max. rated load 130 kg
   10-12mm max. rated load 200 kg

Weight: 421 g • 14.85 oz • Breaking loads in excess of 22 kN.

Increased maximum rated load to 200 kg. Reduced slippage of the rope to 600 daN. Reduced force required on the handle. CE 0123 • EN 12841 TypeC

## INDY EVO PLUS



Manually operated descender device with double auto-locking system, that locks both when the lever is released or when it is pressed.

INDY EVO is also a descender device (conform to EN 12841 type C) for working rope and it allows a descent at a controlled speed and stop at any time, hands free, on a static rope (EN 1891) or dynamic rope (EN 892).

It allows the lowering of two people at the same time.

Dimensions: 212x58x38 mm Weight: 480 g • 16.9 oz Rope Ø 10-12 mm (100 kg) Rope Ø 11-12 mm (200 kg) NFPA 1983 (2012 ED) Rope Ø 10-13 mm (one person only) €€ 0426 • EN 341 • EN 12841



grey – K0043SX00 orange – K0043OX00

### RAMA



#### Intuitive single rope belay device with enhanced braking feature. Designed for gym or single pitch sport climbing.

- reliable locking geometry provides added level of safety to your belay
- operating is very simple, as it works without any moving parts or lever
- large clipping area for most common carabiner shapes, works best with BORA or OXY carabiner
- durable stainless steel braking surface provides longer lifetime and the smooth and secure control for gradual lowering
- functionality is according to the tube principle and is therefore suitable for lead and top-rope climbing
- compact geometry makes paying out rope even faster and easier, while the handle has a comfortable and firm grip.

Single rope belay device with enhanced braking feature and hot-forged light alloy oval carabiner OXY TWL create a perfect set for lead or top-rope climbing.

Weight: 165 g • 5.82 oz Rope diameter: 8.7 – 11 mm Material: Light alloy, steel, plastic

M0201XX00

Weight: 84g • 3 oz Rope diameter: 8.7 – 11 mm Material: Light alloy, steel, plastic EN 15151-2



## RAMA SET

K0101BX00



black matt – K6140BB00

K6140EE00

### SHUTTLE

BUDDY



#### Belay and rappel device

One device to do it all, the Shuttle offers maximum versatility. It has a groove, designed and shaped to provide equal friction for both thin and thick ropes.

- When you're belaying from above, the "guide mode" lets you bring up one or two seconding climbers under control. For lowering, it has a small secondary hole that you can clinch carabiner or sling to release the device.
- designed for twin, half and single ropes
- lightweight and compact
- V-grooves for high friction when belaying the leader or rappeling
- only 65 g one of the lightest belay devices on the market
- self locking function when belaying the second
- eye for releasing the weight
- possibility of simultaneous belaying two climbers
- weight: 65 g 2.29 oz
- material: light alloy

Rope diameter: (2)(30) 7,8 – 10,5 mm (1) 9 – 10,5 mm EN 15151-2



K6132EE black matt – K6132BB



**Light and compact belay tube.** For all-round climbers. Designed for ropes 7,8 – 11 mm mix color • 54g • 1.91 oz

EN 15151-2





6uibuis

## FIGURE 8 L

K6031EE black matt – K6031BB



#### Designed for ropes of bigger diameters.

- 30 kN color mix light alloy 125 g 4.41 oz
- for ropes of various diameters
- easy rappelling
- effective heat distribution

EN 15151-2

FIGURE 8 M



K6021EE black matt – K6021BB

**Designed for ropes of smaller diameters.** 25 kN • color mix • light alloy • 104 g • 3.67 oz

EN 15151-2

## RESCUE FIGURE EIGHT



stainless steel – K6180ZO light alloy, black matt – K6180BB

Special figure eight for the rescue situations and fast rappeling 40 kN material: stainless steel, light alloy weight: steel 451 g • 15.9 oz, light alloy 154 g • 5.43 oz



LEFT - RK804BX0L

RIGHT - RK804BX0R

### LIFT 🅒



Hand ascender for safe and smooth ascent. Extra wide handle and attachment point for two carabiners will fit everyone from bigwall climbers to workers at height or special forces.

- available in two variants for left and right hand
- stainless steel toothed cam for higher corrosion resistance and for any conditions (frozen or dirty ropes)
- overmolded grip and ergonomic upper part for a comfortable and powerful grip
- wide lower hole allows to connect two standard carabiners
- upper hole for clipping a carabiner around the rope
- trigger with a short descent feature

Weight: 190g • 6.7 oz Material: body – light alloy cam – stainless steel trigger – plastic

EN 12841 Static rope Ø 10–13 mm EN 567 Rope Ø 8–13 mm C € 1019 • EN 567 • EN 12841 type B

#### RK805BX00



CAM CLEAN 🅒

### Compact and lightweight chest ascender for safe and smooth rope ascent, rescue and special rope techniques.

- simple and quick manipulation
- lower hole angled to keep flat position on the harness
- stainless steel toothed cam for higher corrosion resistance and for any conditions (frozen or dirty ropes)
- Upper hole for attaching a PULLER shoulder strap to keep the rope clamp in a correct position
- trigger with a short descent feature

Weight: 125 g • 4.4 oz Material: body – light alloy cam – stainless steel trigger – plastic

EN 12841 Static rope Ø 10–13 mm EN 567 Rope Ø 8–13 mm C € 1019 • EN 567 • EN12841 type B

## STRAP FOR CAM CLEAN

#### W0085BB00

Strap for CAM CLEAN attachment to full body harnesses including plastic cover on the carabiner.

Weight: 15 g • 0.53 oz



### FALL ARRESTER





## Fall arrester that follows the user in both directions and stops the possible fall

- safe and simple to use with one hand only
- shifting the special buton on the lock mode, it can be used also as a positioning device or a normal locking device
- supports also the strongest stress in semi dynamic way and it avoids the shocking effects on the ropes caused by the traditional self-locking devices wit thoothed cams
- connector included
- it can be used also as a positioning device or a normal locking device by shifting the special button on the lock mode.

Weight: 205 g • 7.23 oz (without connector), 420 g • 14.82 oz (connector included) Rope diameter: 10-12 mm EN 353-2 • EN 358 • EN 567 • EN 12841 A/B C€ 0426

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HARDWARE



## PULLEY TWIN 🌢

RK802EE00 black version – RK802BB00



Large double pulley for textile ropes for those who need great hauling efficiency, durability and still lightweight pulley.

- designed and optimized for use with a Prusik friction knot or any clamps
- sealed ball bearing and large diameter of the sheave provides great efficiency 94%
- top attachment point accepts up to three carabineers
- durable and lightweight high-efficiency single pulley for industrial use and hauling systems
- formed side plates provides protection of rope against contact with a surrounding
- fixed-by-forging sheave and anti dust cover of ball bearing provides great lifespan

• side plate holes enable cleaning of the ball-bearing surrounding

bottom attachment point: 12 kN strength: 36 kN working load: 4x3 kN max. Ø rope: 13 mm static and dynamic ropes sheave: aluminium alloy side plates: aluminium alloy sealed ball bearing: steel axle: stainless steel weight: 421 g • 14.9 oz unique production number C€ 1019 • EN 12278

> RK801EE00 black version – RK801BB00

## PULLEY EXTRA 🌑



### Large single pulley for textile ropes for those who need great hauling efficiency, durability and lightweight pulley.

- durable and lightweight high-efficiency single pulley for industrial use and hauling systems
- sealed ball bearing and large diameter of the sheave provides great efficiency 94%
- designed and optimized for use with a Prusik friction knot or any clamps
- top attachment point accepts up to three carabineers
- formed side plates provides protection of rope against contact with a surrounding
- fixed-by-forging sheave and anti dust cover of ball bearing provides great lifespan

• side plate holes enable cleaning of the ball-bearing surrounding

strength: 32 kN working load: 2x3 kN max. Ø rope: 13 mm static and dynamic ropes sheave: aluminium alloy side plates: aluminium alloy sealed ball bearing: steel axle: stainless steel weight: 257 g • 9.1 oz unique production number C € 1019 • EN 12278

#### RK803BB00

## TANDEM PULLEY 🅒



#### Double pulley for Tyrolean traverses and zip-lines with two stainless steel sheaves for both textile ropes (13 mm) and steel wire cables (12 mm).

Each sheave is equiped with a pair of sealed ball bearings for great durability. Hard aluminium alloy body is balck anodized and protects the sheaves from damage. Large attachment point can accommodate up to theree carabiners.

Second attachment point for back-up carabiner or tackle systems building.

strength: 25 kN max. Ø rope: 13 mm static and dynamic ropes 12 mm steel cable Sheave: stainless steel side plates: aluminium alloy sealed ball bearing: steel axle: stainless steel weight: 290 g • 10.2 oz unique production number

C€ 1019 • EN 12278

RK806BB00

K0004BB

### PULLEY SMALL 🕒

RK800EE00 black version – RK800BB00



Small pulley for textile ropes for those who occasionally need to build simple hauling systems or manipulate with the objects.

- lightweight single pulley for hauling and rescue
- brass self lubricating bearing ensures reliable efficiency up to 81%
- suitable for use with a Prusik friction knot

strength: 22 kN max. Ø rope: 13 mm static and dynamic ropes sheave: aluminium alloy side plates: aluminium alloy axle: stainless steel friction bearing: brass weight: 92 g • 3.3 oz unique production number C€ 1019 • EN 12278

# PULLEY MIKY



#### Lightweight pulley with two attachment holes Designed for tree climbing application. Suitable for use with Prusik friction knot.

- two attachment holes with strength 28 kN
- anodized aluminum alloy side plates
- aluminum alloy sheave for textile ropes
- and auxiliary cords up to 13 mm in diameter
  bronze self lubricating bearing ensures reliable efficiency up to 81 %
- unique production number marking

Weight: 105 g (3.7 oz)Material: sheave and side plates - aluminium alloy, bearing - bronze, axle - stainless steelStrength: 28 kNMax. diameter of rope: 13 mmBearing: friction C € 1019, EN 12278

EASY LIFT



## Rescue pulley for evacuation along the ski lift cable.

- intended to connect directly on the carrying steel cable of the ski lift
- designed for evacuation of a person during the ski lift rescue

Weight: 1.5 kg Strength: 30 kN Max. diameter of steel rope: 55 mm Max. speed: 2 m/s Working load: max. 5 kN Sheave: PA Material: light alloy, PA, stainless steel

#### ATTENTION!

- never use pulley alone always use together with back-up lanyard
- never use without braking rope

For better traceability and inspection this part is marked with the unique production number.

**C**€ 1017

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## STAINLESS HANGER PLATE / WITH BOLT



#### Stainless steel hanger plates and bolts for permanent anchor points. Available in two different bolt sizes.

recommended for outdoor, wet environment. Not recommended for aggressive environment (e.g. sea water, chlorinated pool water, chemically polluted environment, etc.)

10 mm RK702XX10 12 mm RK702XX12 10 mm w/bolt RK715XX10 12 mm w/bolt RK715XX12

Plate thickness: 3 mm Bolt length: 84 mm Length of the hole: 75 mm Strength: 25 kN Weight: Hanger plate 42g • 1.48 oz 10 mm w/bolt 112g • 3.95 oz 12 mm w/bolt 140g • 4.94 oz EN 795 • EN 959

> 10 mm RK704XX10 12 mm RK704XX12 10 mm w/bolt RK716XX10 12 mm w/bolt RK716XX12

## ZINC PLATED HANGER PLATE / WITH BOLT



## GLUE IN ANCHOR

### Zinc plated steel hanger plates and bolts for permanent anchor points. Available in two different bolt sizes.

recommended for indoor, dry environment

Plate thickness: 4 mm Bolt length: 84 mm Length of the hole: 75 mm Strength: 25 kN Weight: Hanger plate 62g • 2.19 oz 10 mm w/bolt 100 g • 3.53 oz 12 mm w/bolt 125g • 4.41 oz EN 795 • EN 959

#### RK703XX10

A0002SS01



## Stainless steel durable permanent anchor point.

- works also in soft or pocketed stone
- smooth eye allows safe rope threading for retreat
- made of welded, grade AISI 316 stainless steel
- for drilled hole with diameter 12 mm
- recommended glue: UPM 44 or FIS 360V, resin capsule RM10

Diameter: 10 mm Length of shaft: 80 mm Weight: 120 g 3.18 oz Strength: ↔ 30 kN \$ 25 kN EN 959 • EN 795 Type A

### D – MOBILE



#### Door or window anchor point

- an indispensable anchor point protect against sudden falls
- the safety traverse offers in connection with the rope perfect safety solution when working in wall openings and on balcony support plates
- no tools are needed to fix the traverse in doorways, the opening of which may be up to 1100 mm wide for one person for two persons can be maximum opening up to 900 mm
- fast adjustment by pressing the pawl
- star grip to clamp the safety traverse
- bearing surfaces coated with synthetic material

Strength: 22 kN • Weight: 11 kg Dimensions: 141 x 13 x 13 cm C€ 0123 • EN 795 Type B

### ANCHOR DEVICES

X0070XX34

### PILOT



Removable anchors, developed both for fall protection and multi-use, are safe, lightweight, and simple to employ.

- tested to meet ANSI Z359.1 and EN 795
- easy to use, simply drill the proper size hole into your concrete or rock surface, blow the dust out with compressed air, and insert the unit
- multi-directional attributes, anchors work in horizontal, vertical and overhead surfaces
- easily reusable, when your job is done, simply fill in the drilled hole if necessary and reuse at your new desired location
- removable anchors can be used in construction and industrial fields, mining, and mountaineering as well
- suitable for the drilled holes in a diameter 20 mm

Weight: 200 g • Working load: 181 kg Size: ¾" • Strength: 22 kN ANSI Z359.1 • EN 795 Type B • C€ 0321

X0075XX14

## BANTAM BEAMER



## Designed for fall protection and rope access work positioning.

- lighter, smoother, and easier to use
- constructed with lightweight aircraft aluminum bars and 360° swivel D-Ring connections
- the clamps attach without tools to construction girders either overhead or underfoot

Weight: 1600 g • Spacing: 76,5 – 305 mm Working load: 181 kg • Strength: 22kN ANSI Z359,1 • EN 795 • C6

		S 900 – W2018R090	M 600 – W2019A060
	S 300 – W2018Y030	S 1200 – W2018B120	M 900 - W2019R090
SNAKE BRACE	S 600 - W2018A060	M 300 - W2019Y030	M 1200 - W2019B120



Anchor point for through holes, designed to function as a link between the structure and the fall arrest, work positioning, rope access or rescue systems.

- intended for through holes whose minimum and maximum diameter corresponds to the type of Snake Brace in relation to the actual thickness of the current structure
- the opening need not be entirely regular but the minimum diameter must be flat. There must be a minimum space for installation behind the hole
- intended for a single user
- the maximum strength can be used only if the structure in which the anchor hole is located can withstand the load in all directions
- the minimum strength of the construction should be designed according to EN 795 (if not in accordance with EN 795, the load bearing capacity may be reduced)

- Snake Brace can be loaded in any direction only if also allowed by the construction in which is anchored
- can be used only with compatible connectors with locking mechanisms according to EN 362

Strength: 18 kN Length: 30, 60, 90, 120 cm Weight: (S 300) 162 g • 5.71 oz / (M 300) 395 g • 13.93 oz Material: S – dyneema, alloy, steel M – PAD, alloy, steel C€ 1019 • EN 795 Type B

type	strength	hole Ø min. (mm)	construction thickness (mm)					min. open space	
			>5	≥ 50	≥100	≥ 150	≥ 200	≥ 300	behind the hole (mm)
			hole Ø	hole Ø max. (mm)					
S	18 kN	17,7	50	65	75	80	85	90	≥ 200
м	18 kN	22	175	195	210	225	235	255	≥ 450

## RIGGING PLATE 3/5 🌭

RIGGING PLATE 1/3 🍋

### RK714BB00



## Aluminium alloy device for multi-point anchoring.

- provides efficient force distribution at different load directions
- low profile of the plate makes the connection as short as possible
- provides plenty of attachment holes
- rounded holes allow direct attachment of the ropes and slings to the rigging plate
- all attachment points are big enough to allow locking sleeves of most carabiners passing through

Weight: 145g • 5.1 oz Material: light alloy Strength: 50 kN • Thickness: 8 mm C€ 1019

#### RK713BB00



## Aluminium alloy device for multi-point anchoring.

- helps to organize carabiners at the anchor point
- provides efficient force distribution at different load directions
- rounded holes allow direct attachment of ropes and slings to the rigging plate
- central attachment point can accommodate up to three carabiners
- all attachment points are big enough to allow locking sleeves of most carabiners passing through

Weight: 65g • 2.3 oz Material: light alloy Strength: 36 kN • Thickness: 6 mm €€ 1019

#### K0006RP00



REDBLOCK



## TWISTER



- ideal partner for adventure parks, rope courses and climbing gyms
- allows to be installed in two axises
- for better traceability and inspection recording the RedBlock is marked with the unique production number

Color: red Weight: 375 g • 13.23 oz Material: stainless steel Sheave: light alloy Max. diameter of rope: 12 mm Strength: 26 kN C€ 1019

K0030OG00



### Innovated rotating anchor

Placed between a load and either rope or cable, the twister avoids severe rope twisting while the load turns.

Working load: 4 kN Color: anthracite/yellow Strength: 22 kN Weight: 91 g • 3.25 oz C € 0321 • EN 354



## SITE



200 cm - W1011WB02 400 cm - W1011WB04 200 cm + K370 - W1012WB02 400 cm + K370 - W1012WB04

The work positioning lanyard with great handling makes your work safe and efficient.

- 11 mm rope sewn-in unopenable version of LOCKER rope clamp (fall arrester)
- rope covered with tubular webbing
- parking cam for blocking in required position
- also available with stitched-in connector in accordance with EN 362 (K370)

Weight: 560 g (with connector), 410 g (without connector) Length: 200 cm, 400 cm €€ 1019 • EN 358 • EN 353-2

## SITE LANYARD

200 cm - W1014WB02 400 cm - W1014WB04



### Certified lanyard with LOCKER fall arrester

in accordance to EN 353-2 and EN 358.

• suitable only with LOCKER for creating your positioning lanyard



## RETRACTABLE TYPE FALL ARRESTERS:

This part of your safety system allows you to move freely within a certain distance during your work and absorbs the impact in the event of a fall. All devices are certified according to EN 360:2002, some of them are suitable for rescue purposes according to EN 1496:2007. SRL (self-retracting lanyard) devices are self-retractable, while winches are manually operated. **INOS line** is an economical solution for light use consisting of 4 models of SRLs with most common length of wire rope or webbing lifeline – 3,5 m, 6m, 10m, 20m. Each package includes an accessory cord for lowering the connector of the devices. INOS line is possible to use only for vertical fall arrest. It is an ideal device for scaffolds, ladders and pylons. **IKAR line** is an ultimate hi-end range with a variety of solutions to cover all possible needs. These sturdy, low-maintenance height safety devices with webbing or galvanized steel lifeline are offered mainly in aluminium case featuring a rotational attachment swivel to better ergonomics and long lifetime. IKAR devices function in any location position and have been tested in a simulated fall trial over an edge according to CNB 11.060 2008 sharp edge type A (with exception of HRA series). Connectors incorporate a fall indicator for easier inspection.

### **INOS 3.5**



#### Retractable fall arrester in aluminum case.

- Compact size and light weight. Strong attachment point
- Polyester webbing with a width 25 mm and a length of 3.5 m.
- Working load 140 kg. Strength limit: 15 kN

Accessory cord length: 4.1 m Weight: 1,9 kg • 4.2 lb C€ 0120, EN 360:2002



INOS accessory cord

### INOS 6N



W1501XX03



#### Retractable fall arrest system in plastic case made of ABS. High impact resistance and long lifetime.

- Oval design for easy grip. Strong attachment point
- Polyester webbing with a width 20 mm and a length of 6 m.
- Working load 140 kg. Strength limit: 15 kN

Accessory cord length: 6.6 m Weight: 2,1 kg • 4.63 lb C€ 0120 • EN 360:2002 C€ 0598 IKAR HWB 🅒

IKAR HWB 1.8 – A4000W018 IKAR HWB 2,8 – A4000W028 IKAR HWB 3.5 – A4000W035



#### Retractable fall arrester with webbing lifeline and built-in shock absorber featuring rotating attachment point and double action connector.

- lightweight aluminium housing with a webbing lifeline
- swivel eye attachment point
- sewn in load indicator on lifeline
   additional testing against falls over edges (r≥0,5mm)
- steel double action hook on end of lifeline
- device can be attached to an anchorage point or safety harness

 HWB 1.8 can be used as protection against falls in working cages of lifting platforms under specific conditions

Weight: 0.7 kg / 0.8 kg / 1.1 kg Length: 1.8 m / 2.8 m / 3.5 m Working load: 136 kg C€ 0229, EN 360, ANSI/ASSE Z359.1-2007, ANSI/ASSE Z359.14-2014, CSA Z259.2.2





### IKAR HWS 🍋

IKAR H 🕒



IKAR HWS 6 - A4000S060 IKAR HWS 9 A4000S090 IKAR HWS 12 - A4000S120 IKAR HWS 24 - A4000S240

Self-retractable arrester featuring a rotating attachment swivel and a connector with fall indicator and double action swivel hook.

- lightweight aluminium housing with a galvanised steel cable lifeline
- swivel eye anchor attachment point
- additional testing against falls over edges (r≥0,5mm)
- steel double action hook on end of lifeline

Weight: 3 kg / 3.7 kg / 5.4 kg / 8.4 kg Length:6 m / 9 m / 12 m / 24 m Working load: 136 kg

CE 0229, EN 360, ANSI/ASSE Z359.1-2007, ANSI/ASSE Z359.14-2014, CSAZ259.2.2

> IKAR H 33 – A4002BS33 IKAR H 42 – A4002BS42



#### Self-retractable arrester featuring a connector with fall indicator and double action swivel hook.

- lightweight aluminium housing with a galvanised steel cable lifeline
- fixed handle anchor attachment point
- additional testing against falls over edges (r≥0,5mm)
- steel double action hook on end of lifeline

Weight: 18 kg / 27.2 kg Length: 33 m / 42 m Working load: 136 kg

CE 0229, EN 360, ANSI/ASSE Z359.1-2007, ANSI/ASSE Z359.14-2014, CSA Z259.2.2

IKAR HRA 12 - A4004BS12 IKAR HRA 18 - A4004BS18 IKAR HRA 33 - A4004BS33



Self-retractable arrester with built in two-way rescue/ recovery mechanism. Fall arrest device with rescue lifting and lowering facility, equipped with a recovery mechanism operated by a device mounted handle. After an arrested fall, or if the user becomes incapacitated at the bottom of a shaft, the recovery mechanism can easily be engaged by a second person to raise or lower the person to a place of safety.

- lightweight aluminium housing with a galvanised steel cable lifeline
- fixed handle anchor attachment point

- equipped with a release pin and a recovery mechanism operated by a device mounted handle
- steel double action hook on end of lifeline

HRA is not suitable for use over a leading edge and has not been edge tested. Weight: 11.5 kg / 21 kg • Length: 18 m / 33 m Working load: 136 kg

Weight: 7 kg / 11.5 kg / 21 kg Length: 12 m / 18 m / 33 m CE 0229, EN 360, EN 1496, ANSI/ASSE Z359.1-2007, ANSI/ASSE Z359.14-2014, CSAZ259.2.2





### DAVIT

Davit has a modular design that allows to build a system, which would precisely fit all possible applications in every confined environment. The swivelling davit sets are free standing or attachable to walls, tanks or other entrances. A simple plug-in mechanism allows quick and purposeful installation. In order to build your davit system, order a cantilever arm, choose from a range of fixed or temporary bases and sleeves and add required consoles for IKAR HRA self-retracting lanyards or PLW winch attachment. Designed with an integrated, easy to set fall brake system and the ability to mount mechanical devices as winches and retractable fall arresters, IKAR davits provide the customer with peace of mind for years to come.

## IKAR AAS-1 CANTILEVER ARM

X4005XX00



## IKAR GROUND SLEEVE

Cantilever arm with permanent angle of 49° is developed for stationary use in safety and rescue cases for two persons, as well as for lifting and lowering loads.

- built-in 3 pulley systems redirect wire ropes from attachment point of the winch and SRL to confined space entry
- Cantilever arm is made from high quality V4A stainless steel
- Suitable for fast relocation from one sleeve to another due to foldable design of 2 detachable parts – upper davit and lower mast.
- Additional attachment point provides a possibility of attaching an SRL or fall absorber with lanyard to secure a cantilever arm operator or assistant.
- Suitable for two persons with load capacity of 300 kg

Height: 2,01m • Reach: 0,74m Weight: 28,7kg C€ 0299 • EN 795:2012 Type B CEN/TS 16415:2013

X4006XX00



#### Sleeve is designed to be installed onto the ground with pivot bearing made of durable PA.

Sleeve can be mounted on existing concrete surfaces using the recommended composite anchor system Type MKT VMZ-AA4 145 M16-30 / 200 or steel constructions with screw connections M 16 grade 8.8. Material: stainless steel 1.4571 (V4A), PA Dimensions: 300 x 240 x 280 mm (length x width x height) Weight: 13,5 Kg EN 795:2012 Type A CEN/TS 16415:2013

## IKAR WALL SLEEVE





#### Sleeve is designed to be installed onto the wall with pivot bearing made of durable PA.

Sleeve can be mounted on existing concrete surfaces using the recommended composite anchor system Type MKT VMZ-AA4 145 M16-30 / 200 or steel constructions with screw connections M 16 grade 8.8. Material: stainless steel 1.4571 (V4A), PA Dimensions: 290 x 300 x 410 mm (length x width x height) Weight: 14,9 Kg EN 795:2012 Type A • CEN/TS 16415:2013

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X4009XX00

## IKAR LOWER GROUND SLEEVE



Flush floor sleeve with 11/2" drainage pipe connection can be mounted to rebar before pouring concrete.

A concrete quality of at least B25 concrete must be ensured.

Material: stainless steel 1.4571 (V4A), PA Dimensions: 280 x 420 mm (width x height) Weight: 12 Kg EN 795:2012 Type A • CEN/TS 16415:2013

## IKAR LOWER GROUND SLEEVE CORE HOLE

X4010XX00



Flush floor sleeve with 3/8" drainage pipe connection to be installed to existing concrete by core-drilling and resin fix. A suitable shrink-free grout is PCI swelling mortar with the designation "Grout 100".

Material: stainless steel 1.4571 (V4A), PA Dimensions: 160 x 335 mm (width x height) Weight: 4,6 Kg EN 795:2012 Type A • CEN/TS 16415:2013

## FIXING MATERIAL FOR GROUND AND WALL SLEEVE

X4008XX00

X4011XX00



Composite anchor system Type MKT VMZ-AA4 145 M16-30 / 200 for IKAR ground and wall sleeve.

### IKAR MOBILE GROUND BASE



## Free standing base featuring quick and easy assembling on site.

The base consists of a central socket, height adjustable pairs or front and back legs secured with ball-lock pins. Cantilever arm rotates 360°. Material: stainless steel 1.4571 (V4A), PA Dimensions: 1763 x 2228 x 450 mm (length x width x height) Weight: 23,4 Kg for central socket, front leg 8,1 kg each, back leg 9,2 kg each C€ 0299 • EN 795:2012 Type B • CEN/TS 16415:2013



X4012XX00

### IKAR MOBILE ATTICS BASE



Sleeve is designed to sit on the top of a concrete bund wall 200mm–400mm or container edges.

It is ideal for work areas where frequent assembly and disassembly is required. Material: stainless steel 1.4571 (V4A) Dimensions: 350 x 729 x 335 mm (length x width x height) Weight: 35 kg C€ 0299 • EN 795:2012 Type B • CEN/TS 16415:2013

## IKAR WINCH CANTILEVER ARM CONSOLE

X4015XX00



### Stainless steel bracket designed to fit IKAR PLW Winch to cantilever arm.

Bolts directly onto the davit's arm and comes complete with fixings and stainless -steel fixing pin for the PLW winch. Material: aluminium Dimensions: 200 x 130 x 82,5 mm (length x width x height) Weight: 2,4 kg

## CANTILEVER ARM CONSOLE

IKAR HRA 12-24 - X4013XX00 IKAR HRA 33 - X4014XX00





Stainless steel bracket designed to fit IKAR HRA recovery devices to IKAR Davit's mast. Bolts directly onto the davit' mast and comes complete with fixings and stainless -steel fixing pin for the device. Material: stainless steel 1.4571 (V4A) Dimensions: 264 x 162 x 250 mm (length x width x height) Weight: 3,5 kg (5 kg for HRA 33 version)

X4002XX00

### IKAR DB-A3 TRIPOD



Portable tripod with adjustable locking legs and 3 intergated pulleys. Head construction allows a variety of leg angles and a safetychain-free design. Ideal for economical compliance in many basic confined space, fall arrest applications and resuce.

- Up to 2,54 m high aluminium tripod with corrosion-resistant coating featuring 3 bolts-in anchor points
- 1,56 m in collapsed setup for transportation, weight is 24 kg
- 2 stage independently adjustable telescopic legs with stainless steel pins and foldable rubber shoes with spiked edges. The individually adjustable legs

are advantageous as they can be used on uneven ground

- 3 pullies built into a die casted head
- Tripod is designed to be used without support safety chain, which reduces a risk of tripping
- Suitable for two persons with load capacity of 300 kg
- Console and IKAR HRA not included

Height: min. 1,43 m, max. 2,54 m Diameter: min. 0,64 m, max. 2,19 m Weight: 24 kg C€ 0299 • EN 795:2012-10 Typ B • CEN/TS 16415:2013

X4004XX00



Aluminium bracket to connect an IKAR PLW Winch to IKAR DB-A3 tripod. Dimensions: 200 x 130 x 82,5 mm (length x width x height) Weight: 2.0 Kg

## IKAR HRA TRIPOD CONSOLE

**IKAR WINCH TRIPOD CONSOLE** 



### IKAR PLW WINCH

Universal aluminium bracket to connect an IKAR HRA (up to 60m) to an IKAR DB-A3 tripod. Dimensions: 255 x 165 x 78 mm

(length x width x height) Weight: 1.8 Kg



A4064XX30



Hand crank winch for easy and jerk-free lifting and lowering of persons and loads according to Directive 2006/42/EG with 30 m stainless steel rope of Ø 6mm (min. breaking load 18.76 kN). SWL is 300 Kg. Material: stainless steel 1.4571 (V4A), PA Dimensions: 230 x 336 x 200 mm (length x width x height) Weight: 18,5 kg CE • EN 1808:2015

### EVAQ



Descender and rescue device for height rescue from places like cable cars, outdoor parks, wind power plants, cranes or skyscrapers. Simple operation offers an additional escape route for quick and efficient self-rescue of several persons using a shuttle system.

- designed for a working load of 150 kg (1 person)
- automatic and redundant brake system consists of 2 fly wheel brakes
- brake drums are made from steel for high resistance
- top 40 cm sling lanyard is equipped with a steel double trigger automatic locking connector with a gate opening of 21 mm for versatile and easy hanging (note: the connector is not shown on the pictures)
- HYPERLINK "https://www.singingrock. com/evaq-rope" static polyamide kernmantle rope (acc. to EN 1891-A, Ø 9.6 mm) can be up to 300 m long
- both ends of the rope are equipped with a stitched eye and a steel double trigger automatic locking connector with a gate opening of 21 mm
- when the device is stored in a sealed pack by Singing Rock an inspection is required every 10 years only

 as an accessory, we also offer a HYPER-LINK "https://www.singingrock.com/ protective-case" shock and waterproof plastic box in two sizes with a volume of 17 and 46 litres

Weight: 1.75 kg (3.9 lb) + rope Length: descent height max. 300 m (985 ft) Working load: 30 - 150 kg (66 - 330 lb) designed for 1 person Descending speed: approx. 0.8 m/s Temperature range: -40 °C to +65 °C

€ 0511 • EN 341:2011-1B

W1511X000



FVAQ HUB

Descender and rescue device with lifting function for height rescue by fire fighters, industrial climbers and others when exposed to a danger at great heights such as cable cars, outdoor parks, wind power plants or skyscrapers. Also suitable for quick and easy rescue and even for selfrescue of many threatened people.

- designed for a working load of 225 kg (2 persons)
- automatic and redundant brake system consists of 2 fly wheel brakes
- brake drums are made from steel for high resistance
- equipped with a handwheel made of durable plastic for easy and save operation even in hard conditions and under a full load
- three stainless steel eyebolts ensure smooth descend speed control and multiple operation modes / back side rope clamp facilitates lifting operation
- to make the lifting easier the device is equipped with a hexagon adapter for accu-drill connection
- attachment point is equipped with a steel double trigger automatic locking

connector with a gate opening of 21 mm for versatile and easy hanging

- HYPERLINK "https://www.singingrock. com/evaq-rope" static polyamide kernmantle rope (acc. to EN 1891-A, Ø 9.6 mm) can be up to 300 m long
- both ends of the rope are equipped with a stitched eye and a steel double trigger automatic locking connector with a gate opening of 21 mm
- when the device is stored in a sealed pack by Singing Rock an inspection is required every 10 years only
- as an accessory, we also offer a HYPERLINK "https://www.singingrock.com/protective -case" shock and waterproof plastic box in two sizes with a volume of 17 and 46 litres

Weight: 3.4 kg (7.5 lb) + rope Length: descent height max. 300 m (985 ft) Working load: 30–225 kg (66–225495 lb) designed for 2 persons Descending speed: approx. 0.8 m/s Temperature range: -40 °C to +65 °C C € 0511 • EN 1496:2007-B • EN 341:2011-1A

#### W1510X000

### **RESCUE DEVICES**

## EVAQ ROPE



## VACUUM PACKING

## Rope for the EvaQ a EvaQ HUB rescue devices.

- length according to the customer's request, max. 300 m
- both ends of the rope are equipped with a stitched eye and a steel double trigger automatic locking connector with a gate opening of 21 mm

Vacuum packaging the EVAQ devices for

• when the device is stored in a sealed pack by Singing Rock an inspection is

required every 10 years onlymaximum sealed width of pack is 90 cm

Material: polyamide Diameter: 9.6 mm

long-term storage.

W1513XX00

W9003RX45



## EVAQ BAG

### NEW



## PROTECTIVE CASE



### Storage bag with a capacity of 30 litres

- ideal for long term storage of rescue equipment
- made of waterproof and washable material
- zippered transparent pocket on the side for documents/list of contents in A4 format
- adjustable shoulder strap
- fast opening/closing with a durable toggle

Weight: 1000 g (35.3 oz) Material: PVC Volume: 30 litres

> 17 litres – W9002XX17 46 litres – W9002XX46

### Shock and water proof plastic box

for your gear. PROTECTIVE CASE 17 litres: Outside dimensions L x W x H: 40 x 30 x 22.3 cm Inside dimensions L x W x H: 34.3 x 22.3 x 20.5 cm Lid + bottom depth: 3.9 + 16.6 cm Weight: 1.74 kg PROTECTIVE CASE 46 litres: Outside dimensions L x W x H: 60 x 40 x 27.8 cm Inside dimensions L x W x H: 51.8 x 31.8 x 25.9 cm Lid + bottom depth: 4.8 + 21.1 cm Weight: 3.44 kg





MOBILE ANCHORING SYSTEM FALL ABSORBERS







## OPEN SLING 22 KN



sewn sling, width: 19 mm

	[cm]	[in]	kN	type
W2001*060	60	24	22	
W2001*080	80	32	22	
W2001*120	120	47	22	
W2001*150	150	60	22	

**C€** 1019 • EN 566 • EN 795B • EN 354

## EYE SLING 30 KN



SLING LANYARD 22 KN

#### sewn sling made of two layers of strength strap, wear indication width: 23 mm

	[cm]	[in]	kN	type
W2004*060	60	24	30	
W2004*080	80	32	30	
W2004*120	120	47	30	
W2004*150	150	60	30	

C€ 1019 • EN 354 • EN 795B

sewn sling made of two layers of strength strap, wear indication width: 23 mm

	[cm]	[in]	kN	type			
W2016*060	60	24	22				
W2016*080	80	32	22				
W2016*120	120	47	22				
W2016*150	150	60	22				
C€ 1019 • EN 354 • EN 795B							

1111

Sam HIH

## LANYARD "I" 22 KN



## LANYARD " $\vee$ " 22 KN



### lanyard • rope diameter: 10,5 mm

• available also with sewn connectors K370 or K353

	[cm]	[in]	kN	type
W2300W060	60	24	22	
W2300W080	80	32	22	<b></b>
W2300W120	120	47	22	<b>~~~~~</b> ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
W2300W150	150	60	22	
W2301*060	60	24	22	K3702PP
W2301*080	80	32	22	K3702PP
W2301*120	120	47	22	K3702PP
W2301*150	150	60	22	K3702PP
W2303*060	60	24	22	K3536PP00
W2303*080	80	32	22	K3536PP00
W2303*120	120	47	22	K3536PP00
W2303*150	150	60	22	K3536PP00

C€ 1019 • EN 354 • EN 795B

#### lanyard rope diameter: 10,5 mm

	[cm]	[in]	kN	type
W2200W001	25/45	10/17	22	
W2200W002	25/65	10/30	22	
W2200W100	100/100	40/40	22	

C€ 1019 • EN 354



### LARA

Π

2



LARA is tested according to EN 354 for lanyards and also according to EN 795B for the anchor devices. Both ends of the rope are terminated with stitched eyes for placing carabiners. Strength seam is protected with a plastic cover. Singing Rock recommends using carabiners with sling/rope fixation, which do not scroll in the loop and are all the time ready for use. LARA forms part

WARNING: LARA lanyard can not be used as a fall absorber!

lengths: 60, 80, 120, 150 cm C€ 1019 • EN 354 • EN 795 Type B

	[cm]	[in]	kN	type
W2100X060	60	24	22	
W2100X080	80	32	22	
W2100X120	120	47	22	
W2100X150	150	60	22	

W1036W130

W1047Y100

#### of a fall arrest system and shall be used appropriately. TRACK PLUS Adjustable anchoring strap and work IIII III D positioning lanyard length adjustment from 80 to 130 cm • **(€**1019 • EN 354 • EN 358 • EN 795 B ADJUST NEW Adjustable lanyard with steel single buckle • attachment light alloy ring with the inner and textile handle which allows adjusting a diameter of 28 mm length under the tension. · identification label for product traceability strong and resistant 25 mm wide webbing, eye with a protector for any EN 362 Weight: 240 g • 8.5 oz Material: PES • Strength: 22 kN connector, big steel buckle for adjusting Width: 25 mm • 1 in a length of the lanyard full strength textile handle for easy adjusting Length: 80–145 cm • 32-57 in **C€** 1019 • EN 354 • EN 358 • EN 795 B a length of the lanyard (guaranteed safety of this loop in case of wrong attachment) **FINE I INE** MOBILE ANCHORING SYSTEM W1001WW10 Fine line 10(1) Mobile anchoring system S = 10 m W1001WW15 colour distinction of the lengths Fine line 15(1) ٠ singing rock W1001WW20 allows 2 persons movement Fine line 20(1) easy to adjust and manipulate W1002WS10 Fine line bag 10 (2) manpower sufficient for fastening when W1002WY15 Fine line bag 15 (2) W1002WO20 installing the system Fine line bag 20 (2) singing rock M = 15 m ratchet does not damage the webbing C€ 1019 • EN 795 B Singing L = 20 m

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### STEEL ANCHOR 🌭

300 cm – RK851XX03 500 cm – RK851XX05

yellow – RK850X100 blue – RK850X130

red – RK850X180



## Steel anchoring device ideal for tree care or welding at height.

- Steel wire cable with the diameter 6 mm is protected by thick PVC tube. Outer diameter of the tube is 13 mm.
- available in two lengths with different loop colors

Material: zinc plated steel covered by PVC Strength: 15 kN Length: 300, 500 cm • 9.8 ft, 16.4 ft Weight: 730 g • 25.8 oz 1150 g • 40.6 oz C€ 1019 • EN 795B

## STEEL LANYARD "I" 🅒



## Steel connecting and anchoring device ideal for tree care or welding at height.

- Steel wire cable with the diameter 6 mm is protected by thick PVC tube. Outer diameter of the tube is 13 mm.
- both ends finished with a fixed eye
- combination of very good strength and durability
- available in three lengths with three different loop colors
- unique production number

Material: zinc plated steel covered by PVC Strength: 15 kN Length: 100, 130 and 180 cm • 39, 51 and 71 in Weight: 295 g • 10.4 oz • 350 g • 12.3 oz • 460 g • 16.2 oz C€ 1019 • EN 354 • EN 795B

SLINGS AND LANYARDS

### AXILLAR

W0003BY09

Rescue sling to secure evacuated persons against accidental fall during the rescue action (e.g. ski lift evacuation). Weight: 355 g EN 1498 type A



## JACOB DYNEEMA

#### C2151BY00



#### Versatile and ultra light ladder.

- used for aid climbing and work at height
- any cell may be loaded in any directions, which can become useful in emergency situations
- strength of each loop 22 kN
- may be also used as an open sling for the anchoring

Length: 140 cm (55 in) Weight: 140 g • 4.9 oz C€ 1019, EN 566, EN 354

### JACOB

C2150BY



Ultra light six step ladder. Steps reinforced with a plastic to hold its shape even under the load.

Maximum load: 500 kg. Maximum load for grab loop 100 kg. Length: 150 cm (59 in) Weight: 210 g • 7.4 oz

### FOOTER II

W1024BX complete – W1025BX

#### Ascender webbing for rope access.

- big loop for easy releasing the webbing
- small loop for the attachment to the carabiner
- reinforced step loop
- FOOTER II COMPLETE is including the maillon connector

Min. length: 40 cm ( 16 in) Max. length: 140 cm (55 in) Weight: 90 g • 3.2 oz / 125 g • 4.4 oz (complete) Max. load: 150 kg

### SLINGS AND LANYARDS

W1051BX

### FOOTER XP NEW



#### Lightweight ascender loop made from 6 mm accessory cord.

- webbing in the buckle simplifies the length adjustment
- XP buckle allows to adjust the length even when loaded
- big hole in the buckle for the attachment with any type of carabiner
- reinforced step loop is equipped with an elastic strap which keeps the proper position of the foot
- Min. length: 30 cm (12 in) Max. length: 170 cm (67 in) Weight: 105 g (3.7 oz) Max. load: 180 kg Material: PAD, light alloy

### W1028BY00



## FLAT WEBBING

TOOL HOLDER

#### Elastic sling to attach the tools to the harness which makes the loss of the tool impossible.

- designed to provide comfortable work while
- working with the tools at height
- high durability and flexibility
- steel weldet eye
- length of the sling can be extended up to 130 cm

Material: PES, PAD, steel, elastic fibre Load capacity: 3 kg Weight: 30 g • 1.06 oz Lenght: 70 cm, (130 cm fully extended)

Never use this sling for belaying!

#### C0035AO12



TUBULAR WEBBING

- width of webbing 16 mm (0.63 in)
- made of low stretch PES
- max. length 120 m (393 ft)
- weight: 37,7 g/m
- strength: 15 kN

C€ 1019 • EN 565

black - C0037BB12 red - C0037RR12



- width of webbing 20 mm (0.79 in)
- made of low stretch PES
- max. length 120 m (393 ft) •
- weight: 38,2 g/m (black), 39,4 g/m (red)
- strength: 16 kN (black), 17 kN (red)

C€ 1019 • EN 565

SLINGS AND LANYARDS



W4400WW00

### REACTOR 140





L = max. 200 cm

Connector Giga

Webbing lanyard

Dual ring

Reactor 140

Hector BC

Shock absorber used primarily by workers on a structures, ladders and pylons. Lightweight, practical shape does not restrict users at the work. Newly designed for users with a maximum weight of 140 kg (including equipment).

- designed to safely capture a person weighting 140 kg (including equipment)
- maximum active breaking length of shock absorber is 175 cm
- optional length of lanyards for diverse work
- zipper around the perimeter of the cover for easy inspection of the energy absorber
- intact, orange indicator of energy absorber activation

- any EN 362 certified connector can be sewn into the attachment loop
- orange indicator is threaded through the attaching loops and indicates an actual damage
- cover is made from black synthetic rubber and Cordura with PU coating
- oval shape for easy grip
- different webbing lengths are produced on customer's request

Weight: 170 g • 6 oz (without any connector and lanyards) WLL: 140 kg C€ 1019 • EN 355



		Туре		Code	Connectors	Lenght of system [cm]	Weight [g]
			1	W4410W085	-	85	250
		"l" 85 cm	2	W4411W085	K370	100	400
		"i 65cm	3	W4412W085	K353	110	750
			4	W4413W085	K355	120	1230
	$\bigcirc$		5	W4410W155	-	155	290
		"I" 155 cm	6	W4411W155	K370	170	440
		"I" 155 cm	7	W4412W155	K353	180	830
			8	W4413W155	K355	190	1270
			9	W4420W085	-	85	210
	$\bigcirc$	)/// OF	10	W4421W085	2x K370	100	610
		"Y" 85 cm	11	W4422W085	2x K353	110	1290
			12	W4423W085	2x K355	120	2210
	0		13	W4420W155	-	155	390
			14	W4421W155	2x K370	170	690
		"Y" 155 cm	15	W4422W155	2x K353	180	1390
			16	W4423W155	2x K355	190	2310
_		EYE "Y" 155 cm	17	W4430W155	-	155	390
			18	W4433W155	2x K355	190	2310
	$\bigcirc$		19	W4440W155	-	155	530
	9	RING "Y" 155 cm	20	W4441W155	2x K370	170	830
	]		21	W4442W155	2x K353	180	1510
			22	W4470Y100		100–160	420
Q	5	ADJUST	23	W4471Y100	K370	115–175	570
			24	W4472Y100	K355	125–185	920
•			25	W4450X085		85	290
<b>\$</b>		ROPE "I" 85 cm	25	W4452X085	K353	110	790
			26	W4453X085	K353	120	1260
(			27	W4450X155		155	370
		ROPE "I" 155 cm	28	W4452X155	K353	180	870
	N R		29	W4453X155	K355	190	1340
	$\bigcirc$		30	W4460X085		85	400
	DD 9	ROPE "Y" 85 cm	31	W4462X085	2x K353	110	1400
			32	W4463X085	2x K355	120	2340
			33	W4460X155		155	520
		ROPE <i>"</i> Y" 155 cm	34	W4462X155	2x K353	180	1520
	V		35	W4463X155	2x K355	190	2460


70 cm - W4100Y070 120 cm - W4100Y120 160 cm - W4100Y160

JOULE



#### Fall absorber

The fall absorber Joule presents optimal solution for securing persons working on horizontal constructions and roofs. Joule is activated after reaching the load of 2 kN (200 kg).

Minimal guaranteed strength after the breaking action is 15 kN.

C€ 1019 • EN 355

JOULE 70 is possible to use with the fall absorber LOCKER, for working situation which requires longer distance from the safety line.

EN 353-2, EN 355

This is not a final product, this set is necessary to set up from the separate parts.







### **ROOFER SET**

singing rock

Set contains: W0075DR

W1011WB20

W2016X120

K0018AA00

K4241ZO07

S9000YY35

ROOFER SET 10 - M0020X1 ROOFER SET 20 - M0020X2



SETS



### FALL ARRESTER SET

#### Set intended for work restraint situations or attaching to anchor lines. Versatile and lightweight set contains:

Set contains:	
W0089SY	<b>BASIC HARNESS</b>
W4100Y160	JOULE 160
	Fall absorber
K4241ZO05	STEEL OVAL
	CARABINER, SCREW
	GATE 2x
W0052B010	WORKING BAG 10L

M0022XX

### SCAFOLDER SET

Scaffolder set is intended for those, who install scaffolds or work on tall structures and towers. It allows you to reach safely a place of work and position there for work.

Set contains:	
W0063BB	Technic harness
W4442W155	Reactor 140 RING "Y" 155 cm
	+ 2xK353
W1012WB02	SITE 2M + K370
K0018AA00	CAR. OZONE Triple Lock
K4241ZO07	STEEL OVAL CARABINER,
	TRIPLELOCK
W1023YY00	MONTY BAG YELLOW



### PPE INSPECTION SET

X1023	Monty bag
X0013XX02	Wire (diameter 2 mm)
X0015XX00	Marker of textile PPE
X0016XX00	Gas Hot Knife
X0017XX00	Sliding Gauge
X0018XX00	Measuring Tape
X0019X400	Silicon Based Lubricant
X0020XX00	Illuminated magnifier
X0004GB00	Thermocutter
L9991WB	Periodic control labels + plastic
	films (price per package)
E0014XX00	File

#### equipment for checking of PPE

#### M000XSET



## ACCESSORIES AND PROMOTIONAL









#### **GEAR BAG**



#### Transport bag for your gear

- waterproof, durable and washable
- very convenient to carry your gear
- takes up little space and stays dry
- transparent pocket (A4) on the top flap for your documents

GEAR BAG 351 black - S9000BB35

GEAR BAG 351 red - S9000RR35

GEAR BAG 35 I yellow - S9000YY35

- intended for speleology and working at heights
- minimum amount of seams
- main seams feature HF welding

GEAR BAG 50 I black - S9000BB50 GEAR BAG 50 I yellow - S9000YY50 GEAR BAG 50 | red - S9000RR50

Colors: yellow, red and black Capacity: 35 and 50 litres Material: PVC Weight: 700 g • 24.7 oz - 351 version

> 70 litres - C0046BB70 90 litres - C0046BB90 120 litres – C0046B120

> > C0073BY00



#### Tarp duffle 70,901

#### Expedition bag 70, 90, 1201

It's not your average duffel bag... Made from a durable laminate material, the TARP DUFFLE is an almost indestructable bag. Resilient enough to be roughed up in-flight, or to be transported up a mountain via a yak or off-road vehicle, this is one burly duffel bag. For longer trips, grab the 120 litres size so you have enough room for all your gear

- Alpine-cut shoulder straps •
- Dual daisy chains •
- Twin haul handles on ends
- Rugged construction with extra bartacks and double stitching
- Four compression straps

- Internal mesh pockets
- Pocket on top

Capacity: 701, 901, 1201 Color: black Max. load: 20 kg, 23 kg, 23 kg Weight: 1820 g (70 l), 2270 g (90 l), 2720 g (1201) Material: PVC

## MOVEMENT BAG

TARP DUFFLE



#### Resistant traveling bag with the wheels for your climbing adventures, business trips or work at height missions.

- large u-shaped opening with heavy duty double zippers provides easy access to contents. Zippers can be easily locked with a padlock
- convenient side pocket allows you to keep e.g. footwear separate from clothing
- durable webbing straps and grab handle with reinforced stitching
- smooth rolling with all-terrain wheels for effortless mobility
- durable internally constructed push button locking handle adjusts to multiple heights for comfort whether gliding or pulling the bag

- side organization pocket for all of your travel needs
- heavy-duty PVC fabric backing
- rubberized, textured corner protectors guard agains wear and tear at critical contact points
- plastic piping reinforce high friction zones
- one internal accessory pocket provide easy packing organization

Dimension: 77 x 39 x 38 cm • 30.3 x 15.4 x 15.0 in Capacity: 110 litres Max. load: 23 kg Weight: 4600 g (10.1 lb)

### CARRY BAG



# DRY BAG

MONTY BAG



### Practical bag intended for storage and transport of ropes as well as other gear.

- made from durable and washable material
- plastic reinforcements keep the bag self-standing
- due to its shape it is easy to store the rope and rigging tools properly
- very convenient to carry your gear
- reinforced ergonomic plastic handle to haul the bag
- loop on the bottom to shake out the gear and dirt
- water resistant
- side pocket for the accessories
- 2 steel rings for shoulder strap to carry the bag easily
- fast closing system

#### Dry bag with detachable shoulder straps intended for complete waterproof protection of your gear.

- classic rolling system with an additional guide bar
- retaining rings against unwanted opening of the closure buckle
- washable extra-durable PLASTEL® fabric, UV and waterproof resistant
- metal D-ring for safety attachment
- easily detachable foam padded shoulder straps
- color differentiation of the bag volume

Color: yellow [40 I], black [60 I] Weight: 750 g g • 26.5 oz (± 15 g • 0.5 oz) [40 I] Material: PVC, PE Volume: 40 or 60 litres

Color: yellow/black

Max. load: 28 kg Capacity: 28 + 101

Material: PVC

Dimension: 30x40(58) cm

Weight: 940 g • 33.16 oz

#### W1023



#### Bag for your gear and documents

- adjustable shoulder strap
- made of high resistant and durable fabric POLYMAR
- washable
- durable material
- colors: grey, yellow, orange, red

S9001YX40 - 40 I

S9001BX60 - 60 I



#### W1026BB

#### URNA



### **ROPE BAG**

#### Leg rope bag

- for rappeling in the extreme conditions to have the rope under the control
- can be also used as a tool bag when working at the height
- easy to put on the user's leg and the harnesses with the plastic buckle
- made from high quality material

With removable sheet.

Weight: 620 g • 21.87 oz

•

sheet dimensions 137 x 137 cm hidden pocket for keys and money

well-padde shoulder straps abrasion resistant material

- max. length of the rope 50 m of the diameter 11,5 mm
- inside loop to tie the end of the rope
- easy closing system allows to feed the rope slowly

- the bag can be completely closed to avoid loosing the tools
- side pocket for small items or for the notebook
- Color: black Capacity: 11 litres Weight: 240 g • 8.5 oz

C0001BB

W0052B010

XL - W0052B012



### WORKING BAG



### TOOL BAG

#### Transport bag for working harnesses – also suitable as a gear bag for tools

- made from high abrasion resistant material PES 600 g/m2
- simple closing system with a plastic buckle
- net on the bottom for better airflow (the bag is not waterproof)
- transparent pocket for the name tag or instruction of use
- wide opening for easier putting in the harness or gear

- · inside stichting covered by lace webbing
- suitable for 30m rope (10.0 mm)

#### Color: black Weight: 125 g / 130 g • 4.4 oz / 4.6 oz Material: PES Capacity 10 / 12 litres

#### W0008BS



#### Hardware carrier and organizer

- made of high resistant and durable fabric POLYMAR
- harness via carabiner or using additional waist belt
- well arranged
- easy to maintain maximum load – 10 kg
- dimension  $23 \times 23 \times 9$  cm

- Carabiner is not included.

### POUCH



#### General purpose pouch.

- closing with strong Velcro
- secure attachment loop to attach it to the belt or a harness
- strong abrasion resistant nylon fabric

Dimension:  $10 \times 6 \times 11 \text{ cm}$ (4 x 2.4 x 4 in) Weight: 42 g • 1.48 oz

### FIRST AID BAG - LARGE



#### (without the content)

- ideal for all of those who wish to choose -their own content
- bright colour increases the visibility in a bad weather or inside the backpack
- big attachment loop
- insert compartments in different sizes
- zipped big mesh pocket
- inside buckle with the emergency whistle
- high-durable material for the use in demanding conditions.

Dimension: 22 x 18 x 5 cm material: polyamid, polyester weight: 189 g • 6.7 oz



### FIRST AID BAG



#### (without contents) Compact and light first aid bag for minimalists

- ideal for all of those who wish to choose their own contents.
- all-round zip fastener with reflective component guarantees a good overview and easy access.
- two attachment loops;
- insert compartment in different sizes; zipped mesh pocket
- velcro attachment loop on the harness or a hip strap of backpack
- easily removable from the harness by one hand
- emergency whistle included

Dimension: 13 x 10 x 5 cm material: polyamid, polyester Weight: 61 g • 2.14 oz



C0058RR00

C0053RW



### RESCUE POLE

W8000BX00





C0012YB

### FALCONER FULL



### Lightweight gloves featuring great grip, dexterity and ability.

- durable double layer of artificial and split cow grade A leather on the palm
- additional reinforcement of the high-wear area between forefinger and thumb,
- breathable abrasion resistant nylon on the back
- neoprene cuff with a reinforced attachment hole

Size: 8, 9, 10, 11 EN 420, EN 388

### FALCONER TACTICAL

C0013YB



# Lightweight gloves with uncovered tops of thumb, forefinger and middle finger making manipulation of metalwork simpler.

- durable double layer of artificial and split cow grade A leather on the palm
- additional reinforcement of the high-wear area between forefinger and thumb
- breathable abrasion resistant nylon on the back
- neoprene cuff with a reinforced attachment hole.

Size: 8, 9, 10, 11 EN 420, EN 388

## FALCONER 3/4

C0014YB



## Lightweight gloves with removed tops of fingers making manipulation of metalwork simpler.

- durable double layer of artificial and split cow grade A leather on the palm
- additional reinforcement of the high-wear area between thumb and index finger
- breathable abrasion resistant nylon on the back
- neoprene cuff with a reinforced attachment hole
- two special pull-off half-loops on top of middle and ring fingers to secure an easy put off.

Size: 8, 9, 10, 11 EN 420, EN 388



#### GRIPPY

#### C0006BH



Made out of quality leather. Reinforced palm area. Closed fingers. Abbrasion resistant. Gloves are easy to put on thanks to special pull-on loop.

Kevlar thread • Size: 8, 9, 10, 11 EN 388, EN 420

### GRIPPY 3/4

C0006HH



Made out of quality leather. Reinforced palm area and lower part of finger area. Exposed fingertips allow you to keep your sense of touch and manipulate your gear. Gloves are easy to put on thanks to a special pull-on loop.

Kevlar thread • Size: 8, 9, 10, 11 EN 388, EN 420



A0031BS

A003OY

### WORK KNIFE



### Pocket knife with first class stainless steel blade.

- blade length 80 mm
- one hand operation and safety lock of opened knife
- stainless steel flexible clip for belt fixation, hole for the accessory cord fixation

#### Material: blade and clip – stainless steel, plastic handle Weight: 83 g • 2.9 oz

### RESCUE KNIFE



### Special rescue knife with first class stainless steel ejection blade.

- blade length 80 mm and safety lock of opened knife
- special shape of the blade with the hook at the end for cutting of ropes or webbing
- other features: glass cutter, hammer for glass window breaking, opener of electrical cases – wrench
- stainless steel flexible clip for belt fixation

#### Material: Blade and clip – stainless steel, plastic handle Weight: 196g • 6.9 oz

### CULTER

#### A0050HH00



## Reliable knife for daily work or emergency situations including belt cutter and window breaker.

- half-serrated 80 mm blade made of 420B stainless steel
- handle made of stainless steel and red G10 fiber
- one hand opening and closing, safety lock
- G10 line of fiber materials is not electrically conductive
- G10 fiber exhibits superior mechanical and dimensional stability and doesn't shrink, it can also resist high temperature (up to 180 °C)

Color: red Weight: 208 g • 7.34 oz Material: stainless steel, G10 material

W9803BY

### OVERALL



Working overall combining durability, working comfort and maximum freedom of the movement. Specially intended for work at height, easy and quick to take off even without taking the shoes off.

- 60% Polyester/40% Cotton 250 g/m<sup>2</sup>, 500D Cordura
- bright colors and reflective strips increase the worker's visibility
- high durability even when it's washed at high temperatures (90° C)
- full-length overall with two zippers to guarantee high comfort, practicality and a high speed when putting-on
- adjustable waist for optimum working comfort
- elastic fabric in the armpits and crotch
- two large breast pockets
- on the left sleeve pocket with compartments for mobile phone, pens, small items

- on the left leg extremely large pocket for plans, gloves, etc.
- on the right leg pocket for rescue knife supplemented by two rings of rubber for protection against falling
- on the back zipper pocket for small items
- all pockets marked with bright color for greater comfort
- pants, collar and sleeves ending with adjustable Velcro against heat loss, the penetration of dirt, snow, etc.
- pants tested in the fields of work at height, rescue, arboriculture

Size: S, M, L, XL • EN ISO 13688



overall			
size	chest $C[cm/in]$	height <b>D</b> [cm/ft]	lenght <b>E</b> [cm/in]
S	90/35	172/5.6	102/40
М	94/37	175/5.7	105/41
L	100/39	180/5.9	110/43
XL	106/42	185/6	115/45

note: length after sewing (is added due to shrinkage), shrinkage after washing according to the processing instruction sheet is about 4% of the length

### WORKING PANTS



### Lightweight and highly flexible pants specially intended for work at heights.

- perfect combination of durability, working
- comfort and maximum freedom of the movement
- contrast colours and reflective strips increase the worker's visibility
- material ELASTAN guarantees a very high comfort during movement
- jeans low cut for comfortable fit
- higher back for comfortable fit with a working harness
- zippered pockets to secure any items needed in the pocket
- large zippered pocket for mobile phone or small tools, including a loop to secure tools against the fall
- in the side seam pockets for a knife, pencil, screw driver and other small tools
- on the back part deep pocket for any items
- loops for 50 mm wide belt
- large two loops for braces

- front part reinforced with CORDURA
- pants ending with adjustable velcro against heat loss, the penetration of dirt, snow, etc.
- pants tested in the fields of work at height, rescue, arboriculture
- bottoms of the pants are equipped with the mettalic hooks.

Color: black + yellow and reflexive strips Size: S, M, L, XL

Material: 98% cotton/2% elastan (250 g/m²) + Cordura 500D



W9801BY

working pants		
size	waist $A$ [cm/in]	lenght <b>B</b> [cm/in]
S	78-82/30-32	105/41
М	82-86/32-34	110/43
L	88-94/35-37	113/44
XL	96-104/38-41	115/45

note: length after sewing (is added due to shrinkage), shrinkage after washing according to the processing instruction sheet is about 4% of the length

#### CLOTHING

### T-SHIRTS BACKBONE

man – C1013BB woman – C1014BB





### T-SHIRT BLUE CRACK

man – C1026AX woman – C1027AX



Made from cotton, double -stitch on sleeve, bottom hems and shoulder to shoulder tape will make this T-shirt last for many years. Tag less label, relaxed fit. Ladies version with longer and better fit.

Color: Blue Size: S, M, L, XL Material: 100% cotton, hems – PES Weight: 200 g/m<sup>2</sup>

### POLO T-SHIRT



W9802BY

### Pique style of polo t-shirt that is sure to look great with any outfit.

The polo features a regular short sleeves and collar with a three button placket for a comfortable fit. The top is finished with split sides and an embroidered Singing Rock logo for an instantly recognisable branded look.

- polo shirt with short sleeves
- regular collar
- Singing Rock branding
- machine washable

Style: UNIsex Size: S, M, L, XL Material: 100 % pique cotton

C1018BY

### HOODY



### Warm, cozy and comfortable hoody with a kangaroo pocket and a big hood.

Style: UNIsex Size: S, M, L, XL Material: 90 % cotton, 10 % soft polyester Color: black and yellow

> C1019BY – man C1020BY – woman

### Warm, cozy and comfortable hoody with two pockets, hood and full zipper

• longer sleeves and special cut for climbers gurantee maximal comfort when climbing or working at height

Style: Men, Women

Size: S, M, L, XL, XXL (XXL- man only) Material: 90 % cotton, 10 % soft polyester Color: black and yellow

### HOODY FULL ZIP



### SNAP BACK HAT

C0074BY00



#### Cool Singing Rock cap for your head.

- flat bill
- "singing rock" and the embroidered SR arrow on the front and "climbers for climbers" on the back
- mesh in the back
- adjustable snap strap

### BASEBALL HAT

black – C0051BH brown – C0051HH



Square-shaped visor. Logo on front. Website singingrock.com on back.

### BASEBALL HAT LIGHT

C0070SL00



Cool hat for hot sunny days to cool down your head.



### BEANIE



C0055BX BEANIE BLACK ARROW

### SCARF

BLACK ARROW – C0079BX00 LOGOS – C0080BX00 AZURE – C0081AX00 REDHOT – C0081RX00



Multifunctional scarf 8 in 1 with a wide variety of uses for your protection against wind and cold.

- can be used as a balaclava, cap, masc, scarf, beanie, shawl, ear warmer, etc.
- 5 different designs to fit all users' styles
  made from elastic high-tech 100% polyester microfibre fabric that keeps its shape well, as well as being breathable, warm, soft, lightweight, of a very high quality and antibacterial.
- machine washable at 30 °C, cannot be tumble dried, air dry very quickly

Size: UNI (approx. 25 cm wide x 46 cm long) Weight: 35 g • 1.24 oz



### **BEANIE HAT**



SPEED BELT

black – C9092BX various colors – C9092XX



Belt for trousers with Speed buckle for fast releasing. Width: 44 mm Size: M/L, XL Color: mixed colors Do not use for climbing or work at height! Color: black, khaki, various colors

### PITCHER

0.51 – P0010X050 0.31 – P0010X030



## MUG

P0012BB00

## Thermo cup with sturdy handle keeps your coffe or tea hot.

**Classical beer pitcher 0.51 or 0.31** for all who likes climbing and all activities on our vertical playground.

Capacity: 400 ml • 14.8 fl oz Weight: 250 g • 8.8 oz



## USB FLASH DRIVE

P0019XX00



## Wooden flash drive to transport and store your personal files.

 small ring to connect it to your key holder or accessory cord.

Capacity: 8 GB Material: Eco Friendly wood

## KEY HOLDER

You will never lose your keys if you use Singing Rock key holders.



P99100X

ACCESSORIES



#### WRISTBAND

P0024XX00



**100% latex-free silicone wristband** with debossed Singing Rock. Made from premium high quality rubber.

### TEXTILE BADGE

Singing rock 15x6 cm – P0031XX02

10x4 cm - P0031XX01

P0026XX00

Singing Rock textile embroidered badge to be stitched to your clothing, backpack or bag. Size: 10 × 4 cm, 15 × 6 cm

### BAG

#### Eco-friendly plastic bag.

This bio degradable bag contains the special additives which help the bag to break down into natural compounds when disposed.

Dimensions: 39 x 46 cm



### NOTEPAD A5

P0030XX00

P0023XX00



Manage your important tasks or jot down your to-do list with our Singing Rock notepads.

### CONDOM



#### Safety first

Your Personal Protective Equipment for your hardware. Size: UNI EN ISO 4074, **C**€ 1023

### SINGING ROCK PEN



Ballpoint pen for everyday writing.

P0022XX00



#### BANNERS



**Singing Rock banners made from lightweight** PES with a holes to hang up. Size: P0020BB02 Small: 60 x 60 cm P0020BB03 Medium: 30 x 150 cm P0020BB04 Large: 200 x 100 cm P0020BB05 XLarge: 150 x 150 cm

### BEACH FLAG



Self standing event flag. Made from elastic PES. Comes with a footstand and carrier bag. Size: P0021BB00 **Table: 29 x 60 cm** P0021BB03 **Medium: 60 x 260 cm** P0021BB04 **Large: 80 x 340 cm** P0021BB05 **XLarge: 85 x 450 cm** 

P0025XX00

### SINGING ROCK STICKERS

#### with back and front side adhesive.



P0020

P0021

P0027WX00

### TECH INFO EN

P0028WE00

POSTERS



690x990 mm





#### Image posters with our gear in action.

1. Water Treatment	480x690 mm
2. Light Tower	480x690 mm
3. Karolina vertical	480x690 mm
4. Castle	480x690 mm
5. Karolina	690x480 mm
6. Tree Care	690x480 mm
7. Silo	480x690 mm
8. Tower Sweden	480x690 mm
9. Helicopter Sweden	480x690 mm







#### Work at height

Workers at height are in permanent danger of falling from a height. That is why their safety should always come first. Worker's safety is achieved by using various methods for setting up a personal fall protection system. The structure of the fall protection system should always correspond with the type of activity considering high efficiency of work along with maximal possible safety.

### Basic skills and knowledge of workers at height include:

#### Work restraint:

Technique of using PPE to prevent from motion to areas with the risk of fall: This technique enables workers at height to move freely to areas without the risk of fall, falling-through or collapse. Moving into higher-risk areas is restricted by appropriate PPE used.

#### Work positioning:

Technique where the worker will be using the Personal Protective Equipment to access and process the work. This technique is based on the equipment which will protect a worker against any hazard from the workplace (fall from the heights). Choice of appropriate working position is essential for efficient working at height. It shall encourage the worker to concentrate on his job and thus it shall be safe, surefooted and comfortable.

#### Fall arrest:

In case of risk of fall, even for a short period of time, it is necessary to take measures to avoid fall. Fall can be prevented or the impact force can be lowered to an acceptable level (6 kN) using a suitable fall absorber. Technique of using PPE to prevent from motion to areas with the risk of fall.

#### Rope access (part off work positioning)

Rope techniques place high demands on the skills and abilities of worker at height. The basis for safe handle of rope techniques is adequately selected PPE and proper training of worker at height.

## **SERVICE & ACTIVITIES**

POLYGON TRAINING CENTRES PAPER TRAIL PPE MANAGEMENT SCAFOLDERS AND INDUSTRIAL HALLS FRAMING AND ROOFING FALL ARREST ROPE ACCESS LADDERS TREE CARE ROPE COURSES AND ADVENTURE PARKS WIND TURBINES CHAIR LIFT EVACUATION MILITARY AND SPECIAL FORCES





#### POLYGONS





Over more than two decades on international markets, SINGING ROCK has become the world's leading manufacturer of Personal Protective Equipment (the "PPE"). In an effort to provide its customers with comprehensive services and solutions in the area of security of workers at height and above depth, SINGING ROCK was the first in the Czech Republic and former eastern Europe to build a completely unique multifunctional training center POLY-GON.

POLYGON facilities create the ideal conditions for providing occupational health and safety (the "OHS") training for work at height and above depth, for testing PPE, for organizing industrial climbing contests and many other events associated with presentation and use of products and techniques related to this area. A number of specific simulations allow visitors to test safely proper techniques of safeguarding when working at height. All this under the direct supervision of experienced trainers while using complete equipment for these activities. With individual approach, high quality equipment and great emphasis on the practical part, our trainings in POLYGON became sought after among individuals and companies not only in the Czech Republic.



#### SINGING ROCK is certified as IRATA training company.

SINGING ROCK is the first and so far the only company in the Czech Republic to become a member of the globally recognized association IRATA.

IRATA – Industrial Rope Access Trade Association – was founded in the UK in order to ensure a safe working environment for workers at height. In a guarter of century of its existence, IRATA has become a leading expert in the field of security in work at height, and in this field it is the only global association with many member organizations around the world. Our operated IRATA courses therefore provide, in conjunction with our certificated POLY-GON training centers, a unique opportunity to obtain the best possible qualification for work at height and above depth. After successful completion of the training the participant receives an IRATA certificate, which is valid around the world and which is required by some foreign entities as the only possible prerequisite to carry out work at height.

#### FISAT

Professional Organization for Rope-Assisted Work Techniques – FISAT e.V. is the professional organization for everyone involved in trades involving the use of rope for rescue and work. On this site, we provide extensive information on professional rope access and climbing techniques, from safety guidelines and training to certification exams for rope access technicians. Our input in various panels and working groups benefits the continual further development of working techniques as well the constant improvement of safety in this field of work. SINGING ROCK is associated member of this organization a provides full service for everyone involved in work at height training.



SINGING ROCK is a member of FISAT organization



### LIST OF SINGING ROCK POLYGON TRAINING CENTERS



#### POLYGON Poniklá, Czech republic

Our first POLYGON is part of the SINGING ROCK headquarter and manufacturing factory in a picturesque valley of the Jizera river. It offers a number of model situations for work at height.

www.singingrock.com/polygon



#### POLYGON Kladno, Czech republic

located in the former premises of Poldi Kladno – Konev. The former manufacturing building offers a real industrial environment to practice work situation when working at heights. www.singingrock.com/polygon



#### Polygon Partner Brno, Czech republic

Located in an industrial area in a former cement plant. Thanks to its height of more than 23m, it gives the opportunity to create a variety of model situations for work at height and rescue training.

www.klajda.cz/skoleni-prace -ve-vyskach-bozp



#### Polygon Partner Ostrava, Czech Republic

Training centre situated in the unique historical industrial site where for more than 150 years thousands of miners used to mine a black coal. **www.polygonhlubina.cz** 



#### Polygon Partner Karlovy Vary, Czech republic

Until recently, the Karlovy Vary region, situated in the west of the Czech Republic, didn't have a proffesional training centre for work at height. It was changed in May 2019. Now, this new POLYGON parter offers high-quality services to all applicants from that part ouf our country.



#### Polygon Partner Lisbon, Portugal,

This training center has the perfect conditions to provide all trainings for work at height including rope access, fall arrest, rescue and PPE inspection.

outprowork.com

#### 

CZECH REPUBLIC Polygon: Poniklá Kladno Karlovy Vary

Polygon Partner: Brno Ostrava Ústí nad Labem Karlovy Vary

#### 

ITALY Polygon Partner: Milan

#### ROMANIA

Polygon Partner: **Brasov** 

#### 

BULGARIA Polygon Partner: Sofia



PORTUGAL Polygon Partner: Lisboa



#### Polygon Partner Milan, Italy

Training center dealing with Occupational Safety Prevention, dealing with 360 degree training for all figures identified by the Single Word "Health and Safety at Workplaces", ranging from general training on specific training such as high risk falls, confined spaces, work with rope access and positioning systems, assembly and dismantling scaffolding and use of work equipment. www.mbtectum.it



This training centre is the first provider of training courses in work-at-height in the south -east of Europe. The centre is evolved through the volume of it's services, the number of technicians and most importantly through it's techniques in providing rope access services. www.e-solo.ro



#### **Polygon Partner Sofia,** Bulgaria

Training centre situated in Sofia is operated by PROFIXT Ltd, IRATA # 6026/T which has been providing work at heights trainings and IRATA trainings for over 10 years in Bulgaria and has certified more than 400 industrial rope access technicians by the standards of the international system of IRATA.











### WHAT IS IT?

Personal Protective Equipment (PPE) must be regularly inspected for safety and compliance purposes, but as the volume of equipment grows this can put a strain on administrative resources. At the same time, there is a growing need to be able to demonstrate Health and Safety (H&S) compliance in the event of an incident. Against this backdrop, large PPE users are finding that traditional, often paper-based methods of record management are insufficient for their needs.

If your job is to keep track of lots of equipment then you face an uphill struggle. And if you have equipment that needs to be tested or inspected on a regular basis, the job is even bigger. Try as you might, records get lost. Inspections are forgotten. Equipment goes missing.

Wouldn't it be easier if you could store all your equipment information in one place? Somewhere easy to get access, such as in the cloud? And easy to search, use and update? Available from desktop, tablet or smart phone. That's Papertrail, an all-in-one system for equipment management and maintenance records.

### HOW DOES IT WORK?

Anything with a serial number, barcode or RFID tag can be tracked and the data sits securely in the cloud, where it can be made available to internal teams or customers, as required.

To register any product, you need to create a new record with a unique number and corresponding product information, initiate inspection frequency and instructions for inspections. The system will track all the changes during the lifetime and send automated reminders about upcoming inspections.

## Singing Rock has uploaded to the cloud thousands of products with detailed information about:

- Name
- Category
- Description including colour, size and weight
- Photo
- EN conformity
- Product code
- Identifier
- Serial number
- Barcode number
- Date of manufacture
- Lifespan
- Inspection frequency
- User instructions
- Inspection instructions

Simply scan a Data Matrix Code from the label using any camera on your mobile phone, notebook or barcode reader or type a serial number to register, track and inspect our products.

### WHAT ARE MY BENEFITS?

Being proactive is rarely easy with the systems that most companies currently use for PPE management. However, record keeping on commercially available spreadsheet software, such as Microsoft Excel, is still the norm, and in some cases smaller PPE asset holders may even keep their records on paper.

#### Paper-based records are hard to access and prone to loss and damage, while spreadsheet-based systems entail significant administration effort.

The Papertrail platform enables remote data entry to create a permanent, one-time, cloud-based record of each PPE item, which can then be updated at any time with inspection records posted on site via a mobile device. Each record is time-stamped and can be accessed instantly, from anywhere, allowing asset owners to call up relevant compliance information whenever and wherever needed. Features of a smart PPE management system include:

- Easy compliance with legal requirements for six-month or annual inspections and an up-to-date status of PPE which can be accessed via a dashboard, with records for each item and built-in reporting for major regulations.
- Compatibility with all iOS and Android mobile devices and the ability to set notifications to suit any given asset, making it easy to trigger follow-up actions such as repeat inspections or warranty checks.
- Optional customisable inspection schedules, status reports, certifications, export options, workflows, integrations, task management, check lists and care and maintenance schedules.
- Easy integration with equipment manufacturers and compatibility with any brand or component with a serial number, barcode or RFID tag.
- Implementation that does not require any additional hardware and gives you access to the data you need at any time, from the cloud.
- Customisable configuration and implementation, training, reporting, IT support and additional PPE inspection services.

Papertrail is integrated with Singing Rock inventory database so equipment data can be imported seamlessly and easily.





This integration allows equipment owners to create and maintain a 'digital certificate of ownership' that registers every significant point in the lifespan of an item, from purchase through to disposal. Such certificates could be invaluable in quality control, for example in helping prevent the sale of fake items or in giving reassurance to buyers of second-hand material.

- Save time and effort by filing equipment inspection records on the spot, and making them instantly available to your colleagues.
- Wave goodbye to paper records and spreadsheets, and let our software take care of your equipment record filing needs.
- View and update equipment records easily from wherever you are, using mobile devices such as handheld scanners.
- Show compliance at all times with a system that can prove when every single inspection was carried out.
- Never lose an equipment record by storing all updates securely in the cloud.

### Companies adopting a smart PPE management system are expected to improve their ability to:

- Comply with the demands of professional bodies such as the Industrial Rope Access Trade Association and the Society of Professional Rope Access Technicians.
- Meet standards for UK Lifting Operations Lifting Equipment Regulations, Provision and Use of Work Equipment Regulations and other legal inspections.
- Cut compliance administration by scheduling automatic reminders for daily, weekly, monthly and annual inspections. Reduce risk for clients and workers by making sure they are not using faulty or out-of-date PPE.
- Prevent equipment supply bottlenecks by having a complete view of the status of all PPE stock.
- Extend the lifetime of PPE equipment by ensuring it is reviewed and repaired periodically.
- Show compliance at any time with a complete service history for each item of PPE.

Companies worldwide use Papertrail and your staff and customers can access the data they need at any time, from the cloud. Users of the Papertrail smart PPE management system have reported more than a 90% reduction in administration workload, along with reduced human error and increased equipment use.

If you are keen to improve your PPE management system the best way is to download Papertrail application, sign in for the account and simply administrate your PPE.













skills



techniques.

DU 10 cm

ZZ kN



When safeguarding an ascent using a fall arrest type "Y" it is necessary to move at the level FFI and lower. It means that the connectors (EN362) connected to the fall absorber (EN355) during the ascent do not "fall" below the connection point of the harness (EN361) in which the absorber is connected to the harness.



Vy=Vx

The impact force (IF) determines the maximum value of force generated during fall arrest of the object by the safety chain. The value of IP has a direct impact on the safety of worker at height. Ideally, we avoid IP if we reduce it to the lowest level possible (max 6kN)





Figure-Eight knot Connection of two ropes using an eight knot Reduces the strength of rope in lab. conditions by approx. 46%

 used to connect two roped of the same type and same diameter; connection of ends of a rope loop



Connection of ends of one rope loop

Connection of two ropes using an eight knot

#### **FRICTION KNOTS**



#### Prusik knot

Simple and the easiest friction knot. It works in both directions. Normally made from accessory cords 5-6 mm diameter. It is possible to make it with one hand only. Note: the joining knot must be kept away from the rope to prevent slippage.



Klemheist (Machard) knot Works very well, suitable also for flat slings, it's possible to make it also from thicker diameter slings (up to 9mm).

#### CONNECTING KNOTS

#### Double fisherman knot

Connection of two ropes using a double fisherman knot

- Reduces the strength of rope in lab. conditions by approx. 32%
- connection of two ropes (rope loops) of different type or diameter





Overhand follow through Used to join two ropes or slings together. When loaded it is harder to untie it.

#### BELAY KNOT



#### Munter hitch

Knot used for belaying with HMS carabiner. There is no static friction on any part of the rope as it is a continuously moving knot. It is easy to tie even with one hand or with the gloves on the hands. The part of the rope going to belayer must not go through the gate of the carabiner.

**ANCHORING KNOTS** Reduces the strength of rope in lab. conditions by approx. 12%







Due to the character of this knot is essential to tie a backup knot, double fisherman's knot.

## (Bunny Ears) Very useful for equalizing the load on two anchor points.





D



#### Reduces the strength of

rope in lab. conditions by approx. 39% Use: anchoring; anchoring from separate points, interanchoring.









Many people are injured each year when they fall from scaffolders. Scaffolders should be erected by trained and competent people. There are a number of organisations that provide training for the safe use of scaffolders. A scaffolder is one way to prevent a fall when working at height. The type of scaffolder selected must be suitable for the work and erected and dismantled by people who have been trained and are competent to do so. Those using tower scaffolds should also be trained in the potential dangers and precautions required during use. Tower scaffold provision and use must be properly managed and include rigorous scaffold inspection arrangements.






# SCAFOLDER SET



#### M0021XX

Scaffolder set is intended for those, who install scaffolds or work on tall structures and towers. It allows you to reach safely a place of work and position there for work.





#### framing and roofing

Any fall from a roof inevitably involves at least a serious injury. The risks are substantial, however long or short the work is. Getting on and off the roof is a major risk.

A secure means of entry and exit is essential.

A general access scaffold or tower scaffold (preferably of the stairway design) will provide suitable access. A properly secured ladder is the minimum requirement.

Roof workers need the appropriate knowledge, skills, training and experience to work safely, or should be under the supervision of someone else who has it.

They need to be able to recognise the risks, understand the appropriate systems of work and be competent in the skills to carry them out. Workers need training and experience to achieve these competencies. It is not enough to hope that they will 'pick up safety on the job. When moving on slopes, there is always the risk of fall-through or slip followed by a fall. To eliminate this risk, it is necessary to set up sufficiently strong anchor point and to use proper PPE. If there is no sufficiently strong anchor point, it is necessary to use more anchor points together. The anchorage must be placed above user to prevent him from fall. In case a fall is probable, it is necessary to incorporate a fall absorber into the safety chain. Pay attention to the horizontal distance from the vertical of the anchor point. The bigger it is the more dangerous possible fall will be.



EÐ

2m



## **ROOFER SET**



M0020X1-Roofer set 10 m, M0020X2-Roofer set 20 m Roofer set 10 is ideal for those, who are fully devoted to roofing. It allows you to position yourself on a roof with up to 45° angle to prevent a possible fall due to slippage or breaking of a structure.



- Working on tall structures may involve fall arrest, work positioning, rope access and possibly evacuation.
- If no stable safety system is present and the structure needs to be climbed repeatedly a flexible fall arrest line may be required
- For climbing on the frame construction of metal towers fall absorber may be essential.
- Construction demands a full range of fall protection solutions to meet the needs of a dynamic workplace. That's why workers turn to SINGING ROCK for expertise, superior quality products and continual systems innovation.



# Some basic principles of using ropes and lanyards:

Keep your rope out of any sharp edges, rough surfaces and chemicals. Especially on slopes anticipate potential direction of fall and the strain of your rope. When working on constructions, pay attention to the direction of leading your rope and anticipate its possible strain. When using lanyards either to climb the construction or to positioning, take heed to reduce potential fall to minimum! Therefore always place the anchor point above the worker.





EN 358

EN 362





#### Fall absorbers:

When using a fall absorber, the elongation of the fall absorber during breaking action shall be considered. As there are different types of fall absorbers on the market, safe use of this product requires careful reading and understanding of instructions for use, where the method of calculation maximal possible elongation of fall absorber is stated. For your safety we recommend to add another 0.5 m to the calculated distance.



EN 795

EN355

EN362



Work positioning on a frame construction

EN 358







Rope access is called "royal discipline" in working at height activities. This working method is fast, effective, has little effect on the workplace and it is very quick to install nad dismantle. It is used for a wide variety of work: cleaning, painting, inspection and other working situations.

#### Where is rope access used?

There are five main areas in which rope access companies operate (and examples of the range of work carried out):

- Inspection and Testing Safety surveys
- Maintenance and Repair Sealant installation and reinstatement
- Cleaning and Painting Jet spray, grit blast and three-tool method

B1 B2 A2

- Geotechnical (Civil Engineering) Permanent rock anchorage
- Construction Cladding

Working position with a descender

Δ1



150

Short\_rope-to-rope 🔿 🖂 🔿 🛆 off belay transfer:

descender (SIR)

 $\wedge$ 

hand ascender

(LIFT)

C chest ascender sling in a knot (CAM CLEAN)

positioning

fall arrester (LOCKER)







Permanent lifelines serve to secure workers in places where it is possible to set up fixed anchor point in the working place or near it. These are then interconnected by steel rope or a rail. For moving and securing, the worker uses connectors (EN 362) or special slider made for this purpose and supplied by the system manufacturer. The advantage of permanent lifelines is their long operating life and variability of use.

Fall arrest systems form an important element of the safety chain. When used correctly, they ensure sufficient absorption of fall energy, thus preventing the worker's body from being damaged. If the worker faints during or after fall, it is necessary to transport him to a safe place. The long hanging of unconscious body may have fatal consequences (trauma caused by hanging). Therefore keep in mind that fall arrest systems should be only used by trained workers. In case of need they should be able to aid each other at rescue and recovery action.







SERVICES & ACTIVITIES





An arborist, arboriculturalist or tree surgeon is a professional in the practice of arboriculture, which is the management and maintenance of the trees. To move around freely and efficiently, arborists fasten a rope from the ground and then install a device for ascending the rope. Once the arborist is in position, he needs to remain balanced and feels comfortable for pruning, removal of dead branches, shaping of tree for structural, health and aesthetic purposes. Arborist is an expert who looks after trees in public green areas with the intention to keep them healthy and in a state of operational safety. He proposes solutions for treatment based on arboristic knowledge while taki ng into acc ount the interests of nature and environment conservation as well as regulations affecting work safety. This profession is inherently connected with moving in the tree using rope techniques, where the arborist installed an ascent rope from the ground by throwing a bag. In t he tre e h e can the n choose a suitable anchor point where he places a cambium protector and then places his working rope into it. After reaching the working place and before starting the actual work, the arborist must be in a comfortable and safe position. This is ensured by adjustable positioning devices.

Prior to starting work, the arborist in the tree must always have two independent adjustable positioning devices.



There are several methods of how to use rope techniques to get from the ground into a tree. One method is using a footlock.

One of the most effective options of getting into the tree is setting up ascent ropes from the ground. It is done by throwing a light bag carrying a thin rope over the required anchor point. The ascent system is then pulled by this light rope.





Complete range of the equipment intended for the rope courses and adventure parks. The safety equipment for each participant basically consists of a harness, a lanyard and a belay system. Sometimes helmets are also used.



Rope parks are a combination of working and sports climbing. It is a leisure-time activity mainly carried out by people who are gaining experience with climbing. This activity combines working as well as sports equipment. The person (client) is ideally dressed in a whole-body harness. To connect to the steel security rope there are two connectors and these are connected to the harness by a fabric loop. In addition, the client is equipped with a double pulley, which is connected to the harness fabric loop. Funicular (fly-over crossing). Here the client must first attach a double pulley to the steel rope on which he slides over the distance given. Behind the pulley, he attaches the first and the second security loop with the connector. The whole weight of client is in the pulley. Security loops move freely behind the pulley.

Rope barriers are always divided from each by a landing, where there is a change from a steel security rope to another (i.e. from one rope barrier to another). The client always has to lock one security loop and the other security loop. It must never happen that both loops are disconnected from the security steel rope at the same time. It is the same system as securing via ferrata.

All the equipment used in the rope park must be checked every 12 months even if it is sports equipment.



# EVACUATION SET



multipurpose device for rope acces

K032SIR00

SIR





RK713BB00 RIGGING PLATE





RK800EE00 PULLEY SMALL durable and lightweight pulley



RK801EE00 PULLEY EXTRA durable and lightweight pulley



K0122EE07 OXY triplelock light alloy oval carabiner







## ACCESSORIES



accessory carabiner

PORTER



W0010YB FRANKLIN work positioning seat



S9000YY50 WORKING BAG transport bag



C0046BB TARP DUFFLE expedition bag





Complete range of black textile and metal (matt) products, including ropes and lanyards. Special ropes with unique features. Easy use of equipment in the cruelest conditions you can image. Handling in gloves, manipulation in a dark and quick releasing are obvious.





## ACCESSORIES



K9000BB03

accessory carabiner

ORTER



S9000BB35 WORKING BAG waterproof bag

W1001BB <mark>URNA</mark> leg rope bag





evacuation

Ski lift or gondola evacuations utilize specialized rescue techniques and gear that must perform regardless of weather conditions.

The success of evacuation operations begins with having the proper ski lift or gondola evacuation gear then hinges upon the instruction, training and practice of the operating personnel.

If the ski lift equipment fails, the person in charge must evacuate passengers according to the evacuation plan. Evacuation of a ski lift requires pecific techniques for movement along a cable. For maximum efficiency, these operations are led simultaneously by several independent teams.

Evacuation is a team effort and requires perfect coordination by everyone involved. SINGING ROCK team cooperates with ski resorts all over Czech Republic to improve rescue methods and develop a new gear.



Rescue activities are unique in many ways when speaking about working at height and above depth. First of all it is an activity when people's lives are saved, therefore the rescuers must work fast, accurately and efficiently to keep themselves safe. That is why rescuers use the simplest methods possible. One of the activities is evacuation of persons from a funicular. Below is presented a complex system of funicular evacuation, prepared by Singing Rock in cooperation with the Czech Republic Mountain Rescue organization. Our experts will be happy to explain you everything necessary.



## BELAYER













BORA screw light alloy

HMS carabiner



K6180ZO **RESCUE FIGURE EIGHT** special figure eight for rescue

W8201BY00 EVACUATION TRIANGLE SIT II

L0250RR STATIC 11,0 static rope

W9600 FLASH INDUSTRY working helmet

K4241Z005 OVAL STEEL CONNECTOR srew

I



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W0059BR	17
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W0064BB	13
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W007IBY	18
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W0077DR	25
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W0078DR	9
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W0079DR	8
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W0081DB	12
W0081DR	12
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W0087BY	17
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W0090SY	21
W0091BY	14
W0092BB	23
W0093SY	19
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WI042R     29       WI047Y100     102       WI05IBX     105       WI50IXX03     88       WI502XX06     88       WI502XX06     88       WI50XX00     96       WI51XX00     97       W151XX00     97       W151XX00     97       W2001*060     100       W2001*060     100       W2001*060     100       W2001*120     100       W2004*080     100       W2004*080     100       W2004*080     100       W2016*080     100       W2016*080     100       W2016*120     100       W2016*080     100       W2016*080     100       W2016*080     100       W2016*080     100       W2016*080     85       W2018A060     85       W2018A060     85       W2018P030     85       W2019R090     85       W2019R090     85       W2019R090     85	W1040R	29
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W1502XX06     88       W1510X000     96       W1510X000     96       W1511X000     96       W1511X000     97       W1512X     97       W1513X00     97       W2001*060     100       W2001*080     100       W2001*120     100       W2004*060     100       W2004*060     100       W2004*080     100       W2004*120     100       W2016*080     85       W2018A060     85       W2018R090     85       W2018R090     85       W2018R090     85       W2019R090     85       W2019R090     85       W2019R090     85 </td <td>W1051BX</td> <td>105</td>	W1051BX	105
W1510X000     96       W1511X000     96       W1512X     97       W1512X     97       W1513XX00     97       W2001*060     100       W2001*060     100       W2001*080     100       W2001*120     100       W2001*150     100       W2004*080     100       W2004*080     100       W2004*150     100       W2016*080     100       W2016*080     100       W2016*150     100       W2016*080     85       W2018A060     85       W2018R090     85       W2018R090     85       W2019R090     85       W2019R090     85       W2019R090     85       W2019F030     85       W2019F030     85 <td>W1501XX03</td> <td>88</td>	W1501XX03	88
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w1513XX00   97     W2001*060   100     W2001*060   100     W2001*080   100     W2001*120   100     W2001*150   100     W2001*150   100     W2004*060   100     W2004*080   100     W2004*120   100     W2004*150   100     W2016*060   100     W2016*080   100     W2016*150   100     W2016*150   100     W2018A060   85     W2018R090   85     W2018Y030   85     W2019R090   85     W2019R090   85     W2019R090   85     W2019Y030   85	W1511X000	96
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W2001*120     100       W2001*150     100       W2004*060     100       W2004*080     100       W2004*120     100       W2004*120     100       W2004*150     100       W2016*060     100       W2016*050     100       W2016*150     100       W2016*150     100       W2018A060     85       W2018R090     85       W2018Y030     85       W2019R090     85       W2019Y030     85       W2019Y030     85	W2001*060	100
W2001*150     100       W2004*060     100       W2004*080     100       W2004*080     100       W2004*120     100       W2004*150     100       W2016*060     100       W2016*080     100       W2016*150     100       W2016*150     100       W2016*150     100       W2018A060     85       W2018B120     85       W2018Y030     85       W2019P020     85       W2019R090     85       W2019R090     85       W2019Y030     85	W2001*080	100
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W2004*080     100       W2004*120     100       W2004*120     100       W2004*150     100       W2016*060     100       W2016*080     100       W2016*120     100       W2016*150     100       W2018A060     85       W2018B120     85       W2018R090     85       W2018Y030     85       W2019B120     85       W2019R090     85       W2019R090     85       W2019R090     85       W2019Y030     85       W2019Y030     85       W2019Y030     85       W2019Y030     85	W2001*150	100
W2004*120     100       W2004*150     100       W2016*060     100       W2016*080     100       W2016*120     100       W2016*150     100       W2016*150     100       W2018A060     85       W2018B120     85       W2018Y030     85       W2019A060     85       W2019R090     85       W2019R090     85       W2019Y030     85       W2019Y030     85       W2019Y030     85       W2019Y030     85       W2019Y030     85       W2019Y030     85	W2004*060	100
W2004*150     100       W2016*060     100       W2016*080     100       W2016*120     100       W2016*150     100       W2018*150     100       W2018*080     85       W20188090     85       W2018Y030     85       W2019A060     85       W2019R090     85       W2019R090     85       W2019Y030     85	W2004*080	100
W2016*060     100       W2016*080     100       W2016*120     100       W2016*150     100       W2018A060     85       W2018R090     85       W2019A060     85       W2019A060     85       W2019A060     85       W2019A060     85       W2019R090     85       W2019R090     85       W2019R090     85       W2019R090     85       W2019Y030     85       W2019Y030     85       W2019Y030     85       W2019Y030     85       W2019Y030     85       W2019Y030     85	W2004*120	100
W2016*060     100       W2016*080     100       W2016*120     100       W2016*150     100       W2018A060     85       W2018R090     85       W2019A060     85       W2019A060     85       W2019A060     85       W2019A060     85       W2019R090     85       W2019R090     85       W2019R090     85       W2019R090     85       W2019Y030     85       W2019Y030     85       W2019Y030     85       W2019Y030     85       W2019Y030     85       W2019Y030     85	W2004*150	100
W2016*080     100       W2016*120     100       W2016*150     100       W2018A060     85       W2018B120     85       W2018R090     85       W2019A060     85       W2019A060     85       W2019A060     85       W2019R090     85       W2019R090     85       W2019R090     85       W2019Y030     85       W2020X080     23		
W2016*120     100       W2016*150     100       W2018A060     85       W2018B120     85       W2018R090     85       W2018Y030     85       W2019A060     85       W2019A060     85       W2019R090     85       W2019R090     85       W2019Y030     85       W2019Y030     85       W2019Y030     85       W2020X080     23		
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W2018B120   85     W2018R090   85     W2018Y030   85     W2019A060   85     W2019B120   85     W2019R090   85     W2019Y030   85     W2019Y030   85     W2020X080   23		
W2018R090   85     W2018Y030   85     W2019A060   85     W2019B120   85     W2019R090   85     W2019Y030   85     W2020X080   23		
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W2300W120	101
W2300W150	101
W2301*060	101
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#### Rock&Lock

Patented smart buckle used on SINGING ROCK harnesses and other products enables to lock and open very quickly.



### Lady fit

Specially designed products for women.



#### Route 44

SINGING ROCK patented technology for rope production. A rope is produced on 44 carrier machine which provides great handling, low weight and durability.



#### **Teflon**<sup>®</sup>

Ropes protected with a DuPontTM TEFLON® fabric protector have extraordinary water and abrasion resistance.



### Single Tech

With the Single Tech system each strand is braided into the sheath separately. Single Tech sheath construction increases the rope's wear resistance and improves the rope's mechanical properties, such as flexibility.



### Single rope

Marking of single dynamic rope for climbing and mountaineering used in single strand.



### Half rope

Marking of half rope for mountaineering, multipitch and ice climbing. Individual strands of rope are used in alternation in the protection system. This system reduces the risk of rope breakage caused by falling stones, and provides maximum safety in alpine conditions and for difficult climbs.



### **Twin rope**

Marking of twin ropes for mountaineering, multipitch and ice climbing. Pairs of the same type of rope are always used, sharing the same protection points. Twin ropes guarantee a high level of safety, especially for multipitch climbing in alpine conditions.

### Stitched eye

sewn loop at the end of kernmentle low stretch rope used as a subsitute of a knot. Used mainly to attach ropes to anchor or attachment points.

## UIAA

Products marked with this symbol meet strict UIAA safety requirements. The UIAA is the International Mountaineering and Climbing Federation. In most cases, UIAA requirements are sometimes stricter than EN standards

## CE Symbol of compliance

The CE symbol declares that the product is in compliance with the safety requirements of the applicable European standard. The number after the symbol CE (e.q. CE 1019) identifies the relevant accredited testing lab.

#### UIAA Water repelent

A standard for water repellent ropes approved by the UIAA Safety Commission. To pass the test at a certified laboratory, the amount of absorbed water must not be greater than 5% of the rope's weight. For comparison, a non-treated rope absorbs around 50% of water in this test, and ropes labelled as "dry" but lacking adequate treatments can absorb between 20% and 40% of water.



### ANSI ANSI

American National Standards Institute – is a private non-profit organization that oversees the development of voluntary consensus standards for products, services, processes, systems, and personnel in the United States.[3] The organization also coordinates U.S. standards with international standards so that American products can be used worldwide.



## NFPA

The National Fire Protection Association is a United States trade association, albeit with some international members, that creates and maintains private, copyrighted standards and codes for usage and adoption by local governments.



## **Paper Trail**

Symbol means, that the products are supplemented with a scannable Data Matrix code and all information like serial number. production date, photo, description, instructions etc. are uploaded to a cloud based PaperTrail, an all-in-one system for equipment management and maintenance records. For more information visit: www.singingrock.com/papertrail



## **Inter Core**

The unique patented technology providing maximum safety even in case of a damaged sheath. The rope is made from 4 layers of parallel core filaments, braided core, braided intermediate sheath made from staple fibres and single tech sheath.

ABS	Acrylonitrile butadiene styrene is a common thermoplastic polymer. The most important mechanical properties of ABS are impact resistance and toughness. ABS is stronger than pure polystyrene.			
Acryl	Activitation build be a common memory and powers and a common memory a			
Anodizing	carpets. It is manufactured as a filament, then cut into short staple lengths similar to wool hairs, and spun into yarn.			
	Electrolytic passivation process used to increase the thickness of the natural oxide layer on the surface of metal parts. Anodizing increases resistance to corrosion and wear, and provides better adhesion for paint primers and glues than bare metal does.			
Bamboo	Cloth, yarn, and clothing made out of bamboo fibres. Bamboo fabric is exceptionally soft and light. It is also incredibly hydrophilic, absorbing more water than other conventional fibres such as cotton and polyester.			
Cold forging	Deformation of metal while it is below its recrystallization point. This process is usually less expensive than hot forging and the end product requires little, if any, finishing work. Residual stress of material may occur as it handles high stress and high die loads			
Cordura	Brand name for a collection of fabrics used in a wide array of products including luggage, backpacks, trousers, military wear and performance apparel. Cordura fabrics are known for their durability and resistance to abrasions, tears and scuffs. Cordura fabrics are usually made of nylon.			
Cortex	Polyamide ealstic woven fabrics. Cortex fabrics are designed to ensure the maximum ergonomy and comfort.			
Dyneema	Registered trademark for a synthetic fabric that is stronger than Kevlar®. Dyneema® is composed of ultra high molecular weight polyethylene. It is resistant to water, most chemicals, UV radiation and bacterial.			
ED coating	Electrophoretic deposition coating. A characteristic feature of this process is that colloidal particles suspended in a liquid medium migrate under the influence of an electric field (electrophoresis) and are deposited onto an electrode.			
Elastane (Spandex)	Synthetic polyether-polyurea copolymer known for its exceptional elasticity. It is stronger and more durable than natural rubber.			
EPS	Expanded polystyrene is a rigid and tough, closed-cell foam. It is made of pre-expanded polystyrene beads. Due to its technical properties such as low weight, rigidity, and formability, EPS can be used in a wide range of different applications.			
Fiber glass	Type of fiber-reinforced plastic where the reinforcement fiber is specifically glass fiber. The glass fiber may be randomly arranged, flattened into a sheet (called a chopped strand mat), or woven into a fabric. Fiberglass is unique in its strength and yet it is lightweight. Although it is not as strong and stiff as composites based on carbon fiber, it is less brittle, and its raw materials are much cheaper.			
Fleece	Soft napped insulating fabric made from a type of polyester called polyethylene terephthalate (PET) or other synthetic fibers. A lightweight, warm, soft and hydrofobic fabric. Regular polar fleece is not wind- proof and does not absorb moisture. It is readily generates static electricity.			
G10 fiber	High-pressure fiberglass laminate, a kind of composite material. It is created by stacking multiple layers of glass cloth, soaking in epoxy resin, and compressing the resulting material under heat until the epoxy cures. G10 is favoured for its high strength, low moisture absorption, excellent electrical insulating properties and chemical resistance.			
HF welding	Joining of materials by supplying High Frequency energy in the form of an electromagnetic field (27.12 MHz) and pressure to the material surfaces to be joined.			
Hot forging	Deformation of metal while it is above the recrystallization point. Hot forging is recommended for the deformation of metal that features a high formability ratio. Hot forging provides a homorgenized grain structure			
Injection	Manufacturing process for producing parts by injecting material into a mould. Material for the part is fed into a heated barrel, mixed, and forced into a mould cavity, where it cools and hardens to the configu- ration of the cavity.			
Kernmantle rope	Rope constructed with its interior core protected by a woven exterior sheath designed to optimize strength, durability, and flexibility. The core fibers provide the tensile strength of the rope, while the sheath protects the core from abrasion during use.			
Kevlar	Kevlar is the registered trademark for a para-aramid synthetic fiber. Kevlar has many applications, ranging from bicycle tires and racing sails to body armor, because of its high tensile strength-to-weight by this measure it is 5 times stronger than steel. It is designed to protect users from cuts, abrasions and heat. Kevlar-based protective gear is often considerably lighter and thinner than equivalent gear ma of more traditional materials.			
Nylon	Generic designation for a family of synthetic polymers, based on aliphatic or semi-aromatic polyamides. Nylon is a thermoplastic silky material that can be melt-processed into fibers, films or shapes. Nylon is very much suitable for hosiery and the knitted fabrics because of its smoothness, light weight and high strength.			
Polyamide (PA, PAD)	Macromolecule with repeating units linked by amide bonds. Synthetic polyamides are commonly used in textiles, automotive applications, carpets and sportswear due to their high durability and strength. Fibres are very tear-proof and abrasion-resistant and absorb little moisture (thus good transport of moisture away from the body) and are stretchy, crease-free, but also prone to pilling. Polyamide has the highest resistance of all textile raw materials (also when wet) and is very stretchy.			
Polycarbonate	Group of thermoplastic polymers containing carbonate groups in their chemical structures. Polycarbonates used in engineering are strong, tough materials, and some grades are optically transparent.			
Polyester (PES)	Category of polymers that contain the ester functional group in their main chain. Fabrics woven or knitted from polyester thread or yarn are used extensively in apparel and home furnishings. Industrial poly ter fibers, yarns and ropes are used in car tire reinforcements, fabrics for conveyor belts, safely belts, coated fabrics and plastic reinforcements with high-energy absorption. Polyester has excellent return conduct thanks to the rippling property and is very light. Polyester also retains its shape and is colourfast, as well as resistant to sweat and UV-rays (lightfast). Polyester has a high melting point and transfe con therefore be printed on this material)			
Polyethylene (PE)	Most common plastic, which is usually a mixture of similar polymers of ethylene. Polyethylene is of low strength, hardness and rigidity, but has a high ductility and impact strength as well as low friction. It shows strong creep under persistent force, which can be reduced by addition of short fibers. Its primary use is in packaging (plastic bags, plastic films, geomembranes, containers including bottles, etc.)			
POLYMAR	Registered trademark for a polyester coated with polyure thane tarpaulin fabric. It is UV and weatherproof resistant.			
Polypropylene (PP)	Thermoplastic polymer used in a wide variety of applications including packaging and labeling, textiles (e.g., ropes, thermal underwear and carpets), stationery, plastic parts and reusable containers of variou: types, laboratory equipment, loudspeakers, automotive components and polymer banknotes. An addition polymer made from the monomer propylene, it is rugged and unusually resistant to many chemical solvents, bases and acids. Polypropylene is the world's second-most widely produced synthetic plastic, after polyethylene.			
Polystyrene	Synthetic aromatic polymer made from the monomer styrene. Polystyrene can be solid or foamed. General-purpose polystyrene is clear, hard, and rather brittle. Polystyrene is one of the most widely used plastics. Uses include protective packaging (such as packing peanuts and CD and DVD cases), containers (such as "clamshells"), lids, bottles, trays, tumblers, and disposable cutlery.			
Polyvinyl chloride (PVC)	World's third-most widely produced synthetic plastic polymer, after polyethylene and polypropylene. PVC comes in two basic forms: rigid and flexible. The rigid form of PVC is used in construction for pipe an in profile applications such as doors and windows. It is also used for bottles, other non-food packaging, and cards (such as bank or membership cards). In flexible form, it is used in plumbing, electrical cable insulation, imitation leather, signage, phonograph records, inflatable products, and many applications where it replaces rubber.			
Polyurethane (PU)	Polymer composed of organic units joined by carbamate (urethane) links. While most polyurethanes are thermosetting polymers that do not melt when heated, thermoplastic polyurethanes are also available			
Ripstop	Woven fabrics, using a special reinforcing technique that makes them resistant to tearing and ripping. During weaving, (thick) reinforcement threads are interwoven at regular intervals in a crosshatch pattern. Advantages of ripstop are the favourable strength-to-weight ratio and that small tears can not easily spread.			
Stainless Steel	Steel alloy with a minimum of 10.5% chromium content by mass. Stainless steel is notable for its corrosion resistance. Stainless steel does not readily corrode, rust or stain with water as ordinary steel does. However, it is not fully stain-proof in low-oxygen, high-salinity, or poor air-circulation environments.			
Teflon	Registered trademark for a synthetic fluoropolymer of tetrafluoroethylene. It is famous for its hydrophobic and abrasive protection properties.			
Technora	Registered trademark for an aramid that is useful for a variety of applications that require high strength or chemical resistance. It is closely related to Kevlar (see Kevlar).			
Thermolite	Synthetic material made by Invista and used as an insulator. The performance fibers are engineered with a differentiated fiber shape, able to produce battings with sought-after light-weight warmth.			
Inermolite				
	Digital printing process in which material is applied to paper (or some other material) by melting a coating of ribbon so that it stays glued to the material on which the print is applied.			
Thermotransfer Ultrasonic	Digital printing process in which material is applied to paper (or some other material) by melting a coating of ribbon so that it stays glued to the material on which the print is applied. Sound waves with frequencies higher than the upper audible limit of human hearing is joining the load-bearing core and the protective sheath into a compact unit. It is used to finish kernmantle ropes ends.			
Thermotransfer				

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## STANDARDS The list of EN and US standards for persona protective equipment (PPE) against falls from a height

EN 566

EN 567

devices.

EN 813

harnesses

EN 892

(strech) ropes.

EN 959

EN 1496

EN 1498

- Rescue loops

EN 1808

equipment

Mountaineering equipment - Slings

Mountaineering equipment. Rope clamps.

EN 795, EN 795/A1

PPE against falls from a height. Sit

Mountaineering equipment. Dynamic

Mountaineering equipment – Rock anchors

Rescue equipment. Rescue lifting devices.

PPE against falls from a height. Anchor



EN 341 PPE against falls from height. Descender devices for rescue.



EN 353-1, 2 PPE against falls from a height. Guided type fall arresters.



EN 354 PPE against falls from a height. Connecting equipment max. length 2m (incl. connectors).



EN 355 PPE against falls from a height. Energy absorbers.



EN 358 PPE for work positoning and prevention of falls from a height. Work positioning systems.



EN 360 PPE against falls from a height. Retractable type fall arresters



EN 361 PPE against falls from a height. Full body harnesses



PPE against falls from a height. Connectors.



EN 388 Protection gloves against mechanical risks



EN 397 PPE against falls from a height. Industrial safety helmets.



EN 564 Mountaineering equipment – Accessory cords



EN 1891 PPE against falls from a height. Low stretch kernmantel ropes.

Safety requirements for suspended access



EN 12275 Mountaineering equipment - Connectors



EN 12277 Mountaineering equipment – Harnesses



EN 12278 Mountaineering equipment. Pulleys.



EN 12492 Mountaineering equipment - Helmets for mountaineers



EN 12841 PPE against falls from a height. Descender device for rope access system and rope adjustment devices.



EN 15151 Mountaineering equipment - Braking devices







**CEN/TS 16415** Recommendations for anchor devices for use by more than one person simultaneously



NFPA

NFPA Class II defined by NFPA 1983 as being designed to fit around the waist and thighs or under the buttocks and may be utilized for a maximum of a two-person load

#### NFPA Class III





EN 362



EN 1497 Rescue equipment. Rescue harnesses.





SINGING ROCK was founded in 1992. During 25 years of its existence, Singing Rock has established itself as a pro-fessional and innovative producer and supplier of personal fall protective equipment. Nowadays SING-ING ROCK is one of the world leaders on the market of professional protective equipment for work at height, military and rescue. The range of equipment available includes harnesses, ropes, hardware, rappeling devices, safety equipment for heights, anchor points, life lines and sets for typical work situations. All of the high-performance and innovative products are developed and produced in Czech Republic, Europe. The products are certifi ed and fully comply with the international industrial safety standards. Our products are innovative, modern and easy to use, with great strength and with maximum comfort... SINGING ROCK specializes in its production on: • Development and production of climbing and mountaineering equipment (harnesses, mountaineering ropes, belay and rappel devices carabiners, helmepts, ice axes, crampons etc.) • Development and production of professional equipment for working in height (harnesses, ropes, connectors, anchor devices, helmets, lanyards and fall absorbers) • Methodology and preparation of rope access and secure anchor systems • Supply or development of suitable safety equipment • Training services • Follow-up service – regular product inspection All activities at Singing Rock run under QMS certification according to ISO 9001 standards with special attention to development, production and sales of Personal Fall Protective Equipment. (Article 11B of Council Directive 89/686/EEC). SINGING ROCK products fulfi I appropriate EU directives and standards and requirements of US market (CE, NFPA and ANSI). Singing Rock actively participates in preparation of these standards and directives by its work in the UIAA Safety Commission and CEN working group. SINGING ROCK also cooperates with Czech Standard Organization as an expert in the field of standards for personal protective equipment. SINGING ROCK simply has everything what you need for your Personal Protective Equipment to prevent falling (PPE) and for permanent fall protection.

#### www.singingrock.com



#### Warning:

Activities atheight such as climbing, via ferrata, caving, rappelling, ski-touring, rescue, work atheight and exploration are dangerous activities, which may lead to severe injury or even death. Thus the following is essential before use: careful reading and understanding of the instructions for use acquaintance with the possibilities and limitations of the product adequate apprentices hip in appropriate techniques and methods of use understanding and acceptance of the risk involved. In case of doubt or problem of understanding, contact SINGING ROCK.

Ad	dre	SS:

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