





SINGING ROCK was founded in 1992. During 28 years of its existence, Singing Rock has established itself as a professional and innovative producer and supplier of climbing equipment. Nowadays SINGING ROCK is one of the world leaders on the market of climbing equipment for all activities in a vertical world. Most of the high-performance and innovative products are developed and produced in Czech Republic, Europe. All products 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.



#### 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 not only in our testing centers. But also by our supported athletes and UIAGM mountain guides.

# INVOLVEMENT

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

### **PERFORMANCE**

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







# TRADITION & STABILITY

We draw on 28 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. 6

harnesses



32

ropes



50

carabiners quickdraws



70

helmets



**76** 

ice line



88

hardware ascenders belay devices



102

slings via ferrata sets



110

accessories bouldering promotional











Ergonomic braided gear loops

Belay loop with a strength 15 kN made from 12 mm wide webbing.

Patented 16 mm wide stainless steel Rock & Lock buckles on the leg loops enable fast adjustment. Rear haul loop at all models with a load capacity 30 kg

Abrasion resistance fabric at tie-in points for longer lifetime of the harness.

Variable width webbing used at leg loops and waist belt for higher comfort and lower weight.



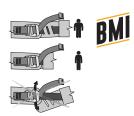


### ROCK&LOCK

#### patented smart buckle system

Easy to lock and open: Only small effort of your fingers is needed to lock and open.

- Fast lace-through: Make the loop, put it through the buckle frame, hook the loop on cross bar and tighten. It is 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 safety loop at the end. Spontaneous opening of Rock&Lock is virtually impossible.
- Lightweight and extra strong.
- Excellent function in all-season conditions: Function guaranteed even when webbing is wet or frozen.



### BMI

#### Revolutionary size adjusting system by SINGING ROCK.

You can easily adjust free end of your waist belt padding and fix it in the right position and minimize so called "sticking out" of padding including the first gear loop in the line. Suitable for situation as losing or putting on your weight, putting more clothers or changing of your climbing seasons. The best position is when the buckle is on the padding and BMI system doesn't allow the gear loops to get out of the right position.



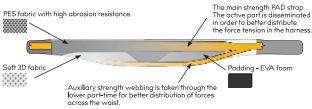
# **PADDING**

#### Padded waist belt and leg loops

- a) breathable PES fabric with high abrasion resistance
- b) EVA foam
- c) soft 3D fabric



#### Load distribution at the waist:





# SINGING ROCK harnesses are so comfortable and soft that you may forget you wear some. Make sure to take it off when you finish climbing.

- For both leg loops and waist belt the variable width webbing is used.
- This ergonomic construction combines maximum comfort and low weight.
- Flat profile of harness also guarantees unlimited movement.
- Unique, patented Rock&Lock buckles are made of stainless steel to increase corrosion resistance.
- New webbing is more durable and works better in our R&L buckle, making the tightening smoother.
- The ergonomic braided gear loops are shaped to facilitate handling and to provide enough space for your climbing gear.
- Fixed bridge between the leg loops provides a greater safety in case of incorrect tie-in.
- More durable reinforced tie-in points for longer lifetime of the harness
- Belay loop 12 mm wide with strength 15 kN



# **ROCKET**



C5076

#### NEW





High-end ultralight sport climbing harness for your best climbing achievements. Provides low weight and maximum comfort. Designed for sport climbing or wherever you want to climb light.

- laminated thin and light construction still provide great comfort and maximalized freedom and focus for your climbing.
- unique, patented Rock&Lock 16 mm buckle is made of stainless steel to increase corrosion resistance
- leg loops construction, made by ultrathin and ultralight HMPE (highmodulus polyethylene) webbings, still provide optimal load distribution and comfort
- elasticized fixed leg loops fit perfectly and provide freedom of movement
- abrasion resistance fabric at tie- i n points for longer lifetime of the harness
- belay loop 12 mm wide with strength 15 kN.
- · 2 front rigid and 2 rear light gear loops for enough equipment

Size: XS, S, M, L, XL Weight: 250 g • 8.8 oz [size M] 1019 • EN 12277 •

### ONYX





C5071YX





One buckle climbing harness providing maximum comfort, low weight and freedom of movement. Designed for sport or gym climbing.

- flexible leg loops with elastic straps adapt to the user's legs
- one Rock&Lock buckle on the waist belt
- 4 gear loops
- · rear haul loop with a load capacity 30 kg
- · fresh and simple design

Size: XS, S, M, L, XL Weight: 335 g • 11.8 oz [size M]

### **PEARL**

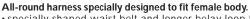












- · specially shaped waist belt and longer belay loop to fit women's
- patented 16 mm wide Rock&Lock buckles on leg loops enable to put the harness on without having to take your skis or crampons off
- 3 Rock&Lock buckles
- · 4 gear loops
- · rear haul loop with a load capacity 30 kg
- graceful design for women 's climbing

Size: XS, S, M, L, XL

Weight: 376 g • 13.3 [size M]

1019 • EN 12277 •



# **GARNET**





RED C5073RT GREY C5073ST



#### All-round harness with adjustable leg loops. A perfect choice for climbers who want one harness for all rock and mountain activities.

- 3 Rock&Lock buckles
- patented 16 mm wide Rock&Lock buckles on leg loops enable to put the harness on without having to take your skis or crampons off
- 4 gear loops
- 2 slots for additional carabiner PORTER
- · rear haul loop with a load capacity 30 kg
- fresh, attractive design
- · available in 2 color versions

Size: XS, S, M, L, XL, XXL Weight: 380 g • 13.4 oz [size M]



# ACCESSORIES

# **SPINEL**





C5074TS



#### Fully adjustable four buckles sit harness ideal for mountaineering and winter climbing.

- 4 Rock&Lock buckles
- patented 16 mm wide Rock&Lock buckles on leg loops enable to put the harness on without having to take your skis or crampons off
- 2 buckles in a waist belt enable to center the harness, keeping the gear loops in an optimal position
- 4 gear loops
- · rear haul loop with a load capacity 30 kg
- 2 slots for additional carabiner PORTER

Size: S, M/L, XL Weight: 430 g • 13.3 oz [size M/L]

1019 • EN 12277 •



### **ROB**



C5075OX

#### **NEW**



All-round 1-buckle harness. Suitable mainly for beginners for gym and outdoor climbing due to comfortable construction and low weight.

- patented Rock&Lock buckle for fast and safe adjustment
- flexible leg loops with elastic straps adapt to the user's legs
- · very smooth tightening due to soft and durable webbing
- inside mesh wicks moisture away and dries quickly in wet conditions reinforced tie-in points for longer lifetime of the harness
- 4 gear loops in two sizes with a bearing capacity 5 kg
- · removable and adjustable rear stretch straps

Size: XS, S, M, L, XL, XXL Weight: 325 g • 11.5 oz [size M]



# **RAY**



C5038



All-round 3-buckles harness suitable mainly for beginners, climbing gyms and outdoor centers due to comfortable construction, low weight and affordable price.

- 3 patented Rock&Lock buckles for fast and safe adjustment
- very smooth tightening due to soft and durable webbing
- inside mesh wicks moisture away and dries quickly in wet conditions
- reinforced tie-in points for longer lifetime of the harness
- · two sizes of gear loops with a bearing capacity 5 kg
- · removable and adjustable rear stretch straps

Size: XS, S, M, L, XL, XXL Weight: 390 g • 13.76 oz [size M]

1019 • EN 12277 •



# **VERSAII**







C5067





The second generation of the universal harness for all kinds of climbing activities suitable mainly for beginners, climbing courses and gyms.

- · comes in two sizes which adapt to all users
- 3 patented Rock&Lock buckles enable fast and safe adjustment
- BMI adjusting system on the waist belt (consists of two loops on one side and two velcro straps on the other one) keeps the waist belt webbing with the belay loop in a proper position in various sizes
- · rear size label makes size adjusting very easy
- construction of the waist belt and leg loops provides maximum support and comfort when hanging in the harness
- reinforced tie-in points for longer lifetime of the harness
- red color belay loop for proper tie-in/attachment point, strength 15 kN
- inside mesh wicks moisture away and dries quickly in wet conditions
- · laced technical textile increases the waist belt rigidity and abrasion
- 4 braided gear loops in two sizes with a load capacity of 5 kg
- · fixed bridge between the leg loops provides a higher safety in case of wrong tie-in
- removable and adjustable rear stretch straps

Weight: 410 g • 14.5 oz [size XS-M] Size: XS-M, L-XXL

# **DOME**



C5017





#### The ultimate big wall harness designed with essential aid climbing features. Built for the maximum comfort and durability.

- even being the most robust harness in our line, it is still very lightweight
- waist belt with more coverage than most harnesses and rugged exterior fabrics designed to withstand serious abrasion
- ergonomically shaped padding provides maximum support and comfort for long days on the wall
- · two buckles on the waist belt: Rock&Lock buckle provides fast and smooth adjustment while the threading buckle allows the harness to be perfectly centered
- adjustable leg loops with Rock&Lock buckle enable to put on the harness when wearing skis or crampons
- · tie-in points which have the most abrasive wear are reinforced by PAD webbing
- 7 braided gear loops with a load capacity 5 kg
- · rear haul loop with a load capacity 50 kg
- 2 color distinctive belay loops for proper tie-in/attachment point, strength 15 kN
- · 2 slots for additional carabiner PORTER
- · fixed bridge between the leg loops provides a higher safety in case of wrong tie-in
- easily detachable rear elastic straps
- suitable in combination with the chest harnesses ALADIN and ALADIN

Size: S/M/L and XL Weight: 560 g • 19.75 oz [size S/M/L]

1019 • EN 12277 •

KID'S

# ARA



C5070RY





#### Sit harness with adjustable leg loops for your small rock stars.

- · designed for children which have well defined hips for a waistbelt to hold
- for both leg loops and the waist belt the variable width webbing is used
- wider construction of the waist belt provides maximum support and comfort when hanging in the harness
- adjustable leg loops with 16 mm wide patented Rock & Lock buckles
- 3 patented stainless steel Rock&Lock buckles for fast and safe adjustment
- · tie-in points which have the most abrasive wear are reinforced by PAD webbing
- inside mesh dissipate moisture and dries quickly in wet conditions
- 2 ergonomic gear loops with a load capacity 5 kg are shaped to facilitate handling and to provide enough space for the gear.
- color belay loop for proper tie-in/ attachment point, strength 15 kN
- · fixed bridge between the leg loops provides a higher safety in case of wrong tie-in
- plastic buckle and sleeve for quick removing and adjustment of the rear elastic straps
- · rear haul loop with a load capacity of 30 kg

#### Size:

K1: waist: 55 - 65 cm (19.5 - 23.5 in) leg loop: 35 - 40 cm (14 - 16 in)

K2: waist: 60 - 70 cm (21.5 - 25.5 in) leg loop: 40 - 45 cm (16 - 17.5 in) Weight: 305 g • 10.8 oz (size K2)

1019 • EN 12277



ZAZA C50690A



Lightweight full body adjustable harness for kids without well-defined hips necessary for a standard waist belt harness.

- one size fits all children with a height of 95–130 cm and a maximum weight of 40 kg (37–51 in / 88 lb)
- red color textile loops for correct attachment to the harness
- three fast buckles enable very quick and easy size adjustment
- elastic straps with a plastic buckle keep harness on the body when kids are playing on the ground
- rear padding of the harness keeps shoulder straps apart and makes dressing easier
- 40 mm wide webbing for leg loops to provide comfort when climbing

Weight: 338 g • 11.9 oz. Size: UNI

1019 • EN 12277 type B •

BALA C5047



Full body adjustable harness specially designed for the youngest climbers without well-defined hips for a waistbelt to hold.

- one size fits all children at the height 95–130 cm and maximum weight 40 kg (37–49 in / 88 lb)
- front attachment point made from aluminium alloy ring for higher safety and tie-in comfort, inside/outside diameter of the ring 28 mm / 52 mm
- rear attachment point for ropes centres and adventure parks according to EN 12277 type B
- wider webbing on the leg loops and back area provides maximum support and comfort
- fully adjustable leg loops and shoulder straps with 4 single buckles
- buckles for shoulder straps are placed in a rear area for easy adjustment and higher safety
- colour demarked leg loops and shoulder straps
- · net in a back area against an infall of the child
- · ergonomic design for better fit

Size: UNI Weight: 350 g • 12.35 oz

1019 • EN 12277 type B •

# **COMPLETE**





C0710

#### Full body harness suitable for via ferrata and/or for climbing beginners. · stabilizes the body in an upright position

- prevents flipping upside down
- adjustable shoulder straps and leg loops
- reinforced tie-in points
- two gear loops with a load capacity 5 kg
- rock&Lock buckle system on the leg loops

Size: UNI Weight: 550 g • 19.4 oz

1019 • EN 12277

# **ROPEDANCER II**



W0087



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
- color front lower attachment point for rappelling and belaying
- · waist belt in different (black) color for better orientation when putting on 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

Weight: 1170 g [S/M/L] • 41.3 oz Size: XS, S/M/L, XL/XXL

1019 • EN 361 • EN 813

15



# **TARZAN**





W0050BR



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

- front attachment point according to EN 813 for hanging position, rappelling and other vertical activities
- padded waist belt and leg loops provide maximum comfort
- SPEED buckle connecting shoulder straps with waist belt increases comfort when putting the harness on
- shoulder webbing and left leg looip have different colour for easy manipulation
- · different colour of rear plate for each size.
- dorsal steel D-ring with a bearing capacity of 15 kN according EN 361.

Size: XS-S. M-XL

Weight: 1530 g • 53.97 oz [M - XL]

1019 • EN 813 • EN 361

# TARZAN ECONOMIC



W0059BR



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

- $\bullet$  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)

1019 • EN 12277 • EN 361



# **BRIO II**



C5066BY00



Universal harness with simple design for climbing schools, gyms, via ferrata or glacier tours. Fits everybody who like to get maximum safety at an outstanding price.

- one size fits all (from children to adults)
- · reinforced tie-in points
- adjustable leg loops with double buckles for fast adjusting
- color belay loop for proper tie-in, strength 15 kN
- · color distinction of leg loops for easier putting on
- · 1 gear loop with a load capacity 5 kg

Size: UNI

Weight: 480 g • 16.9 oz

1019 • EN 12277 •

#### TOP





C5031BS00 black - C5031BB00



# Universal harness with simple design for all activities especially suitable for climbing schools, gyms, via ferrata or glacier tours.

- one size fits all (from children to adults)
- adjustable leg loops with Rock&Lock buckles allow the harness to be put on even with skis or crampons
- · lightweight construction
- 3 Rock&Lock smart buckles for easy and fast adjustment
- reinforced tie-in point/belay loop for increased durability
- tie-in point placed above the center of gravity prevents the body rotation on case of fall
- colour belay loop for proper tie-in/attachment point, strength 15 kN
- 1 gear loop with a load capacity 10 kg

Size: UNI

Weight: 366 g • 12.91 oz

1019 • EN 12277 •

# TOP PADDED





C5032BS00



# Harness with simple design and padded leg loops mainly for climbing schools, gyms, via ferrata or glacier tours.

- · lightweight harness with padded leg loops for higher comfort
- one size fits all (from children to adults)
- adjustable leg loops with Rock&Lock buckles allow the harness to be put on even with skis or crampons
- 3 Rock&Lock smart buckles for easy and fast adjustment
- reinforced tie-in point/belay loop for increased durability
- tie-in point placed above the center of gravity prevents the body rotation on case of fall
- colour belay loop for proper tie-in/ attachment point, strength 15 kN
- · sewed gear loop with a load capacity 10 kN

Size: UNI

Weight: 402 g • 14.18 oz





#### Ultimate skitouring and mountaineering harness

- easy to put on even with the skis or crampons on the boots
- waist belt and leg loops made from breathable PES fabric with high abrasion resistance and non-absorbing property
- bright colour increases the visibility in a foggy weather
- plastic buckles on the leg loops for quick and comfortable putting on the harness
- 1 Rock&Lock buckle for easy and quick adjustment of the waist belt
- coloured belay loop with the strength 15 kN
- · 2 braided gear loops with a load capacity 5 kg
- fixed bridge between the leg loops for higher safety
- plastic sleeves on the elastic straps for quick adjustment the length of the leg loops

Size: S, M/L, XL Weight: 240 g • 8.47 oz [size M/L)

1019 • EN 12277 •



This harness received the Bergsteiger award in an independent test in the German mountain magazine Bergsteiger 08/2011.





# **CANYON XP**



C5030BS



# Canyoning harness with padded waistbelt and protective seat for advanced users.

- ergonomic design and padded waistbelt for higher comfort
- reinforced tie-in point/belay loop for increased durability
- colour belay loop for proper tie-in/attachment point, strength 15 kN
- padded leg loops with 3 rock&lock smart buckles for easy and fast adjustment
- removable and replaceable sit protector protects the wet suit from abrasion
- 2 reinforced gear loops with a load capacity 10 kg

Size: S, M/L, XL Weight: 614 g • 21.66 oz [M/L]

1019 • EN 12277 •

### **TOP CANYON**



C5029BS



#### Canyoning harness for canyoing schools and centers.

- one size fits all (from children to adults)
- 3 smart buckles Rock&Lock for easy and fast adjustment
- · lightweight construction
- reinforced tie-in point/belay loop for increased durability
- colour belay loop for proper tie-in/ attachment point, strength 15 kN
- removable and replaceable sit
- protector protects the wet suit from abrasion
- 1 reinforced gear loop with a load capacity 10 kg

Size: UNI

Weight: 502 g • 17.71 oz

1019 • EN 12277 •

# **CANYON SIT PROTECTION**

C9630BB00



#### This rear protection sheet extends lifetime of your neoprene suit.

- replacement of sit reinforcement for canyoning harnesses
- · welded abrasion resistant fabric on the basis of Plastex.

Color: black

Weight: 135 g • 4.8 oz

Size: UNI

**DIGGER LIGHT** 

S0101YB00



#### Speleo harness

- ergonomic design
- · fully adjustable waistbelt and leg loops
- abrasion resistant cover on exposed parts
- two special textile loops for light battery placing
- attachment point for jumar tightening strap
- · specially designed steel triangles for maillon placing

Size: UNI

Weight: 520 g • 18.34 oz

1019 • EN 12277

CHEST

# **ALADIN**



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
- two gear loops with a load capacity of 5 kg

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

Size: UNI Weight: 240 g • 8.5 oz

1019 • EN 12277 •

Do not use chest harness alone!





ROPES

# **ALADIN PLUS**



C5057



#### Padded chest harness for your vertical adventures.

- provides more comfort when climbing long multi-pitch routes
- optimizing body position while hanging or falling
  - reduces the pressure on the upper body when having a large quantity of climbing material
  - two large climbing gear loops with a load capacity of 15 kg with a possibility of adjusting the length of the loops
  - two gear loops and one small gear loop with a load capacity of 5 kg
  - easy to dress
  - made of lightweight breathable padded material

Size: UNI Weight: 435 g • 15.34 oz 1019 • EN 12277 •

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



# **ALADIN PADDING**

C5058



#### Padding for the chest harness Aladin.

- the padding is designed for use only in combination with the chest harness Aladin
- provides more comfort when climbing long multi-pitch routes
- reduces the pressure on the upper body when having a large quantity of climbing material
- two large climbing gear loops with a load capacity of 15 kg with a possibility of adjusting the length of the loops
- one small gear loop with a load capa-city of 5 kg
- · easy to put on
- made of lightweight breathable padded material

Size: UNI Weight: 195 g • 6.88 oz



Do not use a chest padding alone! Padding can be used only with a chest harness Aladin.



**RAY PACKET** M0029

#### **NEW**



Ideal set for all who want to start with climbing. Perfect choice for beginners who prefer single pitch climbing. This set at a reduced price includes:

- padded all-round RAY harness with adjustable leg loops
- · light alloy oval carabiner OXY screw with easy locking system
- RAMA single rope belay device with enhanced braking feature for 8.7 11 mm single ropes

### LADY PACKET



M0014



#### Unique set for all women who want to start with climbing in the gym or out at the crags

- woman's climbing and mountaineering harness PEARL with adjustable leg loops (size: XS, S, M, L, XL)
- HMS carabiner BORA GP designed specifically to eliminate the dangers of cross loading.
- light and compact belay tube BUDDY designed for twin, half and single ropes of the diameter 7.8 10.5 mm
- · Chalk bag Mountains with prompt closing system and braced welt for easy handling
- adjustable BELT for chalk bag with a quick release plastic buckle

# **GYM PACKET**

M0027

Magnum ball



Chalk bag Large

Chalk bag belt

Perfect choice for all who climb indoor or prefer single pitch climbing.

- all-round harness VERSA II with adjustable leg loops (size: XS/M, L/XXL)
- · light alloy oval carabiner OXY screw with easy locking system

Oxy screw

- RAMA single rope belay device with enhanced braking feature for the ropes 8.7 11 mm diameter
- chalk bag LARGE with prompt closing system and braced welt for easy handling

Rama

- adjustable BELT for chalk bag with a quick release plastic buckle
- · MAGNUM ball with perfect grade natural chalk for maximum sweat absorption and friction

Versa II

FERRATA PACKET RAY

M0028

#### **NEW**



Ray

Phario palm

#### Starter kit for those who want to save some money and get comfortable via ferrata equipment.

This set at a reduced price includes:

- · all-round 3-buckles RAY sit harness
- PHARIO PALM energy absorber with older-generation palm Keylock carabiners, elastic lanyards and a fall indicator

this basic equipment should be completed with your climbing helmet and ideally with a chest harness as well

# FERRATA PACKET II

M0017



#### Perfect package containing the basic equipment for via ferratas

This set at reduced price includes:

- lightweight TOP harness with 3 rock&lock smart buckles (UNI size)
- · energy absorber Phario palm with the palm key lock carabiner
- · fully adjustable and well ventilated climbing and mountaineering helmet PENTA
- · chest harness not included but highly recommended

# FERRATA PACKET EXP

M0018



#### Advanced package at via ferratas containing the equipment for multiple use.

This set at reduced price includes:

- energy absorber Phario palm with the palm Keylock carabiner
- fully adjustable four buckles sit harness SPINEL for all climbing activites (size: S, M/L, XL)
- chest harness ALADIN made from lightweight wide nylon webbing (UNI size)
- · extremely lightweight, super-comfortable and fully ventilated helmet PENTA in grey color



	_JJLJ	size			UNI	K1	K2	XS
ROCKET C5076	T	(M) 250 g	A B	cm in cm in				65–75 25,5–29,5 49 19
<b>ONYX</b> C5071	T	(M) 335 g	A B in	cm in cm				65-75 25,5-29,5 49 19
PEARL C5072		(M) 376 g	A B in	cm in cm				60-70 23,5-27,5 50-55 19,5-21,5
GARNET C5073RT C5073ST	7	(M) 380 g	A B in	cm in cm				65-75 25,5-29,5 50-55 19,5-21,5
SPINEL C5074	23	(M) 430 g	A B in	cm in cm				
VERSA II C5067	T	(XS-M) 410 g	A B	cm in cm in				63-90 25-35,5 45-58 18-23
<b>ROB</b> C5075OX	N. C.	(M) 325 g	A B	cm in cm in				65–75 25,5–29,5 49 19
<b>RAY</b> C5038	T	(M) 390 g	A B	cm in cm in				65-75 25,5-29,5 45-50 17,5-19,5
<b>DOME</b> C5017		(S/M/L) 560 g	A B in	cm in cm				
<b>ARA</b> C5070	T	(K2) 305 g	A B in	cm in cm		55-65 21,5-25,5 35-40 14-16	60-70 23,5-27,5 40-45 16-17,5	
<b>ZAZA</b> C5069OA	8	(UNI) 338 g	С	cm in	95-130 37-49			
<b>BALA</b> C5047	A	(UNI) 350 g	С	cm in	95–130 37–49			
TARZAN W0050BR	<u>X</u>	(M-XL) 1530 g	A B C	cm in cm in cm in				50-80 20 - 31 45-60 18-24 145-165 57-65

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S	M	L	XL	XXL	EN stand.		UIAA
70–80 27,5–31,5 52 20	75–85 29,5–33,5 55 21	80–90 31,5–35,5 58 22	85–95 33,5–37,5 60 23		EN 12277	1019	
70-80 27,5-31,5 52 20	75-85 29,5-33,5 55 21	80-90 31,5-35,5 58 22	85-95 33,5-37,5 60 23		EN 12277	1019	
65-75 25,5-29,5 50-55 19,5-21,5	70-80 27,5-31,5 55-60 21,5-23,5	75-85 29,5-33,5 60-65 23,5-25,5	80-90 31,5-35,5 65-70 25,5-27,5		EN 12277	1019	
70-80 27,5-31,5 50-55 19,5-21,5	75-85 29,5-33,5 55-60 21,5-23,5	80-90 31,5-35,5 60-65 23,5-25,5	85-95 33,5-37,5 65-70 25,5-27,5	90-100 35,5-39,5 65-70 25,5-27,5	EN 12277	1019	
65-80 25,5-31,5 50-55 19,5-21,5	75-90 29,5-35,5 60-65 23,5-25,5	75-90 29,5-35,5 60-65 23,5-25,5	85-100 33,5-39,5 65-70 25,5-27,5		EN 12277	1019	
63-90 25-35,5 45-58 18-23	63-90 5-35,5 45-58 18-23	75-100 29,5-39,5 55-68 21,5-26,5	75-100 29,5-39,5 55-68 21,5-26,5	75-100 29,5-39,5 55-68 21,5-26,5	EN 12277	1019	
70–80 27,5–31,5 52 20	75–85 29,5–33,5 55 21	80–90 31,5–35,5 58 22	85–95 33,5–37,5 60 23	90–100 35,5–39,5 65–70 25,5–27,5	EN 12277	1019	
70-80 27,5-31,5 50-55 19,5-21,5	75-85 29,5-33,5 55-60 21,5-23,5	80-90 31,5-35,5 60-65 23,5-25,5	85-95 33,5-37,5 65-70 25,5-27,5	90-100 35,5-39,5 65-70 25,5-27,5	EN 12277	1019	
67-95 26-37 48-66 19-26	67-95 26-37 48-66 19-26	67-95 26-37 48-66 19-26	90-120 35-47 56-72 21-28	90-120 35-47 56-72 21-28	EN 12277	1019	
					EN 12277	1019	
					EN 12277	1019	
					EN 12277	1019	
50-80 20 - 31 45-60 18-24 145-165 57-65	70-130 27-51 50-75 20-29 160-205 63-80	70-130 27-51 50-75 20-29 160-205 63-80	70-130 27-51 50-75 20-29 160-205 63-80		EN 358, EN 813, EN 361	1019	



HARNESSES	size		UNI	K1	K2	XS
TARZAN ECONOMIC W0059BR	(UNI) C 1050 g	cm in	150 -200 59-78			
COMPLETE CO710	(UNI) C 550 g	cm in	140-200 55-78			
ROPEDANCER II W0087	(S/M/L)C 1170 g	cm in				
BRIO II C5066BY00	UNI A 480 g B	cm in cm in	60-116 24-46 42-72 17-29			
TOP C5031BS	UNI A 366 g B	cm in cm in	60-120 24-47 42-66 17-27			
TOP PADDED C5032BS	UNI A 402 g B	cm in cm in	60–120 24–47 42–66 17–27			
FLAKE C5045S	(M/L) A 240 g B	cm in cm in				
CANYON XP C5030BS	(M/L) A 614 g B in	cm in cm				
TOP CANYON C5029BS	UNI A 502 g B	cm in cm in	60–120 24–47 42–66 17–27			
DIGGER LIGHT S0101YB00	UNI A 520 g B	cm in cm in	max. 110 max. 43 50–80 20–31			
ALADIN C5056	UNI D 240 g	cm in	75–110 30–43			
C5057	(UNI) D 435 g D	cm in	75-110 30-43			

S   M   L   XL   XXL   EN stand.   UIAA   110-150   43-59   EN 12277.   1019							B	M
## ## ## ## ## ## ## ## ## ## ## ## ##	S	M	L	XL	XXL	EN stand.		UIAA
130-155   150-185   150-185   150-185   150-185   171-83   180-210   180-2							1019	
51-61 59-73 59-73 71-83 71-83 EN 813 EN 81277 1019 EN 812277 1						EN 12277	1019	
EN 12277 1019							1019	
65-80 75-90 75-90 85-100 EN 12277 1019  25.5-31.5 29.5-35.5 60-65 65-70 65-70 23.5-25.5 23.5-25.5 25.5-27.25  70-100 80-110 80-110 32-43 32-43 36-48 42-66 42-66 42-66 42-66 17-27 17-27 17-27 17-27 EN 12277 1019						EN 12277	1019	
65-80 75-90 75-90 85-100 25,5-31,5 29,5-35,5 60-65 60-65 65-70 23,5-25,5 23,5-25,5 23,5-25,5 23,5-25,5 23,5-25,5 23,5-25,5 23,5-25,5 23,5-25,5 23,5-25,5 23,5-25,5 23,5-25,5 23,5-25,5 23,5-27,25 EN 12277 1019 28-40 32-43 32-43 32-43 36-48 42-66 42-66 42-66 42-66 17-27 17-27 17-27 EN 12277 1019 EN 12277 1019 EN 12277 1019 EN 12277 1019						EN 12277	1019	
25,5-31,5 50-55 60-65 19,5-21,5 23,5-25,5 23,5-25,5 23,5-25,5 23,5-25,5 23,5-25,5 23,5-27,25  70-100 28-40 32-43 32-43 32-43 32-43 42-66 17-27 17-27 17-27 EN 12277 1019  EN 12277 1019  EN 12277 1019  EN 12277 1019						EN 12277	1019	
28-40 42-66 17-27 17-27 17-27 17-27 1019 EN 12277 1019 EN 12277 1019 EN 12277 1019	25,5-31,5 50-55	29,5-35,5 60-65	29,5-35,5 60-65	33,5-39,5 65-70		EN 12277	1019	
EN 12277 1019 EN 12277 1019	28-40 42-66	32-43 42-66	32-43 42-66	36-48 42-66		EN 12277	1019	
EN 12277 1019						EN 12277	1019	
						EN 12277	1019	
EN 12277 1019						EN 12277	1019	
						EN 12277	1019	







### THERMO-TRANSFER

Thermotransfer end marking of Singing Rock ropes. Special etiquette applied to the rope sheath by the heat and pressure. This marking ID is durable and does not create any broad forms on the ends of the ropes which can stuck e.g. when pulling down the rope from rappel station.

#### ULTRASONIC

#### an excellent way of rope ending

Our own special technology has been used for the ends of the rope.

All SINGING ROCK ropes are ended by a unique technology ULTRASONIC. It means that the load-bearing core and the protective sheath are joined into a compact unit in the last 15 mm of the rope.



### **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.



# STITCHED EYE

#### an excellent way of rope ending

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.



#### INTERCORE

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.



### MIDDLE MARKING

At half of the length, the rope is visibly marked by colour, which does not affect the core structure and its mechanical properties.



### **ROUTE 44**

#### experience the touch of the future

Route 44 is unique technology

invented and patented by Singing Rock. It opens new horizonts for braiding of climbing and static ropes. 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.



# TEFLON®

#### permanent dry

Selected SINGING ROPES are produced with a DuPontTM Teflon® fabric protector license. Ropes protected by a Teflon® layer have extra-ordinary water and abrasion resist- ance.

The Teflon® layer also effectively prevents the intrusion of dust particles into the rope structure and thus increases its lifespan.



# 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.

# ICON DRY 9.3







L0384RX





#### Excelent single rope for high-level climbers or glacier/mountain usage thanks to its lightness and water ressistant.

- · extremely lightweight and robust; it is ideal for hard routes onsight, flash or redpointing where every gram counts.
- produced on 44-carrier machine, Route 44, Singing Rock's patented technology.
- with our special Teflon® treatment Icon 9.3 Dry is ideal for rock climbing, pumpy routes or extreme ascents in the mountains.
- Teflon® is applied on the ropes by revolutionary nanotechnology.
- the sheath is more resistant against breakage, but on the other hand it is smoother.
- Teflon® Treatment
- · Thermotransfer end marking
- Middle marking
- Ultrasonic ending

1019 • EN 892 •

L0380YX

ICON 9.3







#### Excelent single rope for high-level climbers.

- · extremely lightweight and robust; it is ideal for hard routes onsight, flash or redpointing where every gram counts.
- produced on 44-carrier machine, Route 44, Singing Rock's patented technology.
- · this unique technology gives to the rope great handling, low-weight and high durability.
- the sheath is more resistant against breakage, but on the other hand it is smoother.
- · Thermotransfer end marking
- · Middle marking
- Ultrasonic ending

1019 • EN 892 •

HERO DRY 9.6



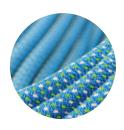






L0524GW





#### A top-class single rope with low weight and great handling qualities for high-level climbers.

- Single Tech construction provides increased resistance to abrasion and great handling qualities
- rope is soft and easy to manipulate in the belay devices
- although having a small diameter, this rope provides long lifespan
- special Teflon® treatment provides longer lifetime during the usage.
- Teflon® is applied on the ropes by revolutionary nanotechnology.
- ideal for sport climbing and single pitch ice climbing
- Teflon® Treatment
- · Thermotransfer end marking
- Middle marking
- Ultrasonic ending

1019 • EN 892 •

HERO 9.6 ① ●

L0520GW





Excellent single rope for sport climbers.

- · Single Tech construction provides increased resistance to abrasion, low weight and great handling qualities
- rope is soft and easy to manipulate in the belay devices
  - even with a small diameter, this rope provides long lifespan
  - · Thermotransfer end marking
  - · Middle marking
- Ultrasonic ending

1019 • EN 892 •

KATA DRY 9.7











L0580AA







**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® Treatment

1019 • EN 892 •

L0570AA





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

1019 • EN 892 •



# STORM DRY 9.8 ①





L3044AG00





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

- 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 •

STORM 9.8 ①

L3040GA00





# Single rope with great balance in weight, durability and use. Perfect choice for all-round 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 •

GYM 10.1 (1

L3050RY00





# Single rope specially invented for the climbing gyms, adventure parks or rope courses.

- this rope is designed for heavy usage with high safety factors and extremely high durability
- special technology of braided core gives the rope great resistance parameters
- braided core and compact sheat minimize the interfiber friction which gives the result of the increased resistance to abrasion mainly when top-roping
- narrow diameter and great handling provide easy manipulation in all belay devices
- ideal for climbing schools, gyms, adventure parks and rope courses.
- thermotransfer end marking
- Middle marking
- ultrasonic ending

1019 • EN 892 •



### MYSTIC 10.1 DRY







L0534AG





## Great water resistant single rope with an unusual design.

- Single Tech construction provides high resistance to abrasion, great handling qualities and low weight
- · runs smoothly in all devices on the market
- special Teflon® treatment provides longer lifetime during the usage.
- Teflon® is applied on the ropes by revolutionary nanotechnology.
- · Perfect choice for all-round climbers
- · Teflon® Treatment
- · Thermotransfer end marking
- · Middle marking
- Ultrasonic ending

1019 • EN 892 •

### MYSTIC 10.1





L0530RA





#### Great single rope with an unusual design.

- Single Tech construction provides low weight, high resistance to abrasion and great handling qualities
- extraordinary durability and great technical performance
- perfect choice for all-round climbers
- Thermotransfer end marking
- Middle marking
- Ultrasonic ending

1019 • EN 892 •

### SCORE 10.1





L0360GG





#### Great rope for sport climbing with excellent visibility.

- made by Singing Rock patented technology R44, which gives to the rope well – balanced rate of weight and diameter.
- 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
- · Middle marking
- Ultrasonic ending

1019 • EN 892 •

### **DURAN 10.4**



L0340AX





## Ideal rope for indoor climbing and crags with rough rocks.

- made by Singing Rock patented technology R44, which gives to the rope well – balanced rate of weight and diameter.
- rope is very compact, durable and pleasant to use.
- rope has thicker sheath with perfect abrasion resistance still keeping good handling characteristics.
- suitable for the most types of belay devices on the market
- · Thermotransfer end marking
- Middle marking
- Ultrasonic ending

1019 • EN 892 •

### PATRON 11.0 ①







## Dynamic single rope with high safety factor and great durability.

- designed for heavy usage in rope training centres, climbing schools and rescue situations
- rope has thicker sheath with perfect abrasion resistance
- suitable for the most types of the belay devices on the market
- · Thermontransfer end marking
- · Middle marking
- Ultrasonic ending

1019 • EN 892 •





### ACCORD DRY 8.3







L0514





#### Half and twin rope with excellent durability and special Teflon® treatment.

- tested and certified according to the EN 892 standard requirements for half ropes and twin
- · with our special Teflon® treatment is ideal for ice climbing or wet conditions in the mountains
- Teflon® is applied on ropes by revolutionary nanotechnology
- · weight, diameter and number of falls are 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 •

### ACCORD 8.3



L0510





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

- · 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
- · weight, diameter and number of falls are 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 •

### GEMINI 7.9 (12)







L3020





## Half and twin rope for those who count every

- 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® 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 •

### STATIC ROPES

Excellent static ropes of different diameters are intended for rescuing the injured, manipulation with objects and rope access methods for work at a height. They meet the most exacting requirements, especially the best quality, that the rescuers, firemen, specialists in working at a height and other professionals require when working every day.

### **STATIC R44 11.0**





### **STATIC R44 10.5**







L0450WG white L0450RR red L0450BB black L0450OO orange

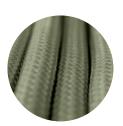
1019 • EN 1891 • NFPA •





L0430WR white L0430RR red L0430BB black L0430KK khaki

1019 • EN 1891 • NFPA •



### STATIC 11.0



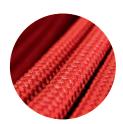






L0250WR white L0250RR red L0250BB black

1019 • EN 1891 • NFPA •







L0230WR white L0230RR red L0230BB black L0230KK khaki

1019 • EN 1891 •

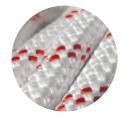


### STATIC 9.0



L0220WR white L0220BB black

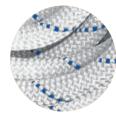
1019 • EN 1891 •



### **CONTRA 10.5**



L026 Static rope for various purposes. 1019 • EN 1891 •



#### **SPELEO**

### SPELEO R44 10.5



L0440WR

### **SPELEO 10.5**

L0240WR



The cave explorers lay stress on the maximum abrasion resistance and on the high rope lifetime. The speleo ropes SINGING ROCK keep their great qualities even after the usage in the extreme condition.

The working and speleo ropes meet the EN 1891 regulations - Semi static ropes with core sheathing.

1019 • EN 1891 •



1019 • EN 1891 •

### **ACCESSORY CORD**

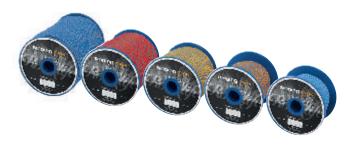
L0041 - L0081



Suitable for a multitude of uses, SINGING ROCK accessory cords are strong and supple.

- · easy handling
- strong
- · multitude of uses Diameters: 4, 5, 6, 7 and 8 mm

1019 • EN564 •



### **HAMMER CORD**

2 mm L0021 3 mm L0031



Durable, strong, easy to tie, for example for securing climbing equipment, backpack, tools or laces. Suitable for climbing purposes, guiding or work at height. Strength: 1.2 / 1.9 kN

### ROPE PROTECTOR

W8100B

### **DEFENDER**

W1027B



Protects rope sheath against abrasion on rough surfaces. Material: PVC

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



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
- perfectly copy the terrain
- protects a moving rope against 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.

Weight: 777 g • 27.41 oz



K0050OS01



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

Weight: 232g • 8.18 oz

### **THERMOCUTTER**

X0004GB



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

### ROPE MARKER

X0015XX



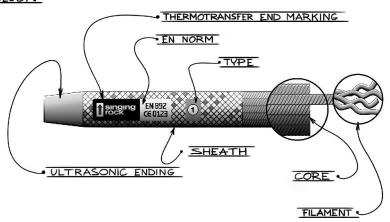
#### When you need to mark your rope, use SINGING ROCK Rope Marker

- 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 centre of ropes or any other part of the harness or sling.

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

DYNAN	IAMIC ROPES				• EN 892 •		*pack – 30, 40, 50, 60, 70, 80, 100 m • coil				
	name /	colour	length*	diamet.	weight	static	dynamic	falls	impact	type	
	code			m	mm	<b>elong.</b> g∕m	elong. %	%	force	kN	
	ICON DRY L0384RX	red	30 – 200	9.3	57	9.0	33.9	5	8.4	single	
	ICON L0380YX	yellow	30 – 200	9.3	57	9.0	33.9	5	8.4	single	
Andrews Co.	HERO DRY L0524GW	blue	30 – 200	9.6	60	6.3	36.5	8	7	single	
	<b>HERO</b> L0520GW	white	30 – 200	9.6	60	6.3	36.5	8	7	single	
	KATA DRY L0580AA	blue	30 – 200	9.7	61	9.0	30	5	7.7	single	
	KATA L0570AA	blue	30 – 200	9.7	61	9.0	30	5	7.7	single	
	STORM DRY L3044AG	blue	30 – 200	9.8	65	7,8	35	9	9.1	single	
X7-43-	STORM L3040GA	green	30 – 200	9.8	65	7,8	35	9	9.1	single	
	<b>GYM</b> L3050RY	red	30 – 200	10.1	68	7,4	37	6	7.9	single	
	MYSTIC DRY L0534AG	rainbow	30 – 200	10.1	68	5,7	32	9	7.9	single	
	MYSTIC L0530RA	rainbow	30 – 200	10.1	68	5,7	32	9	7.9	single	
	SCORE L0360GG	green	30 – 200	10.1	66	7	31.9	8	9.1	single	
	DURAN L0340AX	blue	30 – 200	10.4	70	6	31.3	10	8.7	single	
The second	PATRON L0540YX	yellow	30 – 200	11.0	78	6	33.8	16	8.2	single	
	ACCORD L0510AG	blue	30 – 200	8.3	43	9/6.4	32/34	5/15	5.9/9.7	half/twin	
	ACCORD L0510GA	green	30 – 200	8.3	43	9/6.4	32/34	5/15	5.9 / 9.7	half/twin	
	ACCORD DRY L0514OG	orange	30 – 200	8.3	43	9/6.4	32/34	5/15	5.9 / 9.7	half/twin	
A SECTION AND A	ACCORD DRY L0514GO	green	30 – 200	8.3	43	9/6.4	32/34	5/15	5.9 / 9.7	half/twin	
	<b>GEMINI</b> L3020RX	red	30 – 200	7.9	39	8/7.3	33/29	5/16	5.7/8.3	half/twin	
11/1/1	<b>GEMINI</b> L3020YX	yellow	30 – 200	7.9	39	8/7.3	33/29	5/16	5.7/8.3	half/twin	

### ROPE TERMINOLOGY:



### STATIC ROPES

•	Ł	N	18	35	<i>!</i>
ī					ī

pack - 30, 40, 50, 60, 70, 80, 100 m • coil - 100, 200 m

	name / code	strength knot breaking force		stitched eye strenght	static elongation	number of falls	weight	type
	code	kN			kN %		g/m	
MA	<b>STATIC R44 10,5</b> L0430	31.5	19.8	27.7	3,4	>15	72	А
	<b>STATIC R44 11</b> L0450	34.9	22.3	28.5	3,2	>20	77	А
Sug J.	STATIC 9 L0220	25.5	14.5	_	3,5	>8	52,9	В
	<b>STATIC 10,5</b> L0230	30.4	18.6	24.3	3,3	>10	69	А
	STATIC 11 L0250	34.5	22.0	28.1	3,3	>20	80	А
San June	<b>CONTRA 10.5</b> L026	30.4	18.6	24.3	3,3	>10	69	А

#### Some notes:

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
production 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.

### **ACCESSORY CORDS**

% note: Hammer Cords L0002, L0003 do not fulfill EN standards and

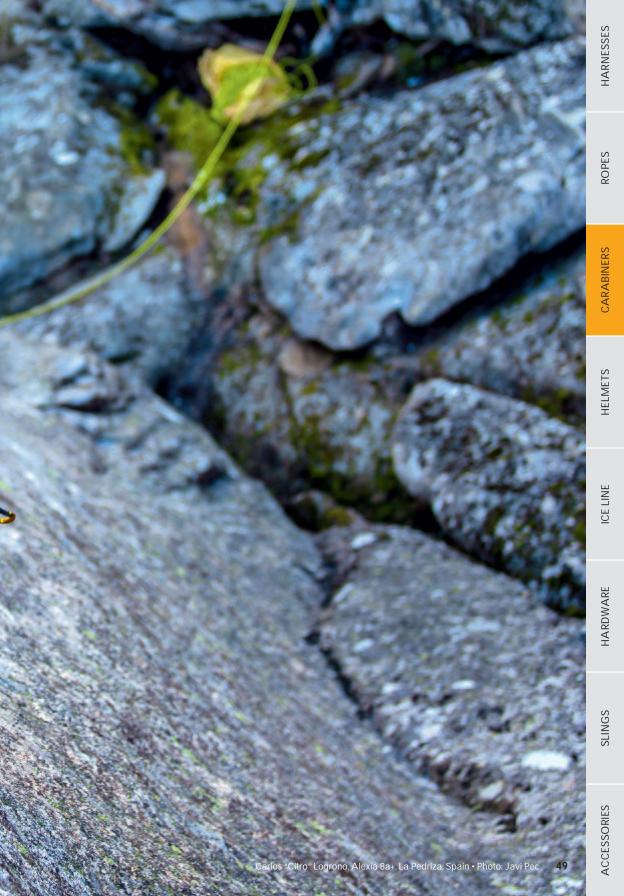
7 TOOLSSONT OONDS			note. Hammer Corus Loods, Loods do not fullill Liv standards an				
	coil	<b>diameter</b> mm	<b>weight</b> g∕m	<b>strength</b> kN	<b>length</b> m	ft	
rest in	L0021	2	2.8	1.2	100	328	
理以	L0031	3	6.5	1.9	100	328	
1500	L0041	4	12.6	3.2	100	328	
	L0051	5	18.7	5	100	328	
A CONTRACTOR	L0061	6	23.2	9	100	328	
	L0071	7	35.1	11.5	100	328	
	L0081	8	39.8	16	100	328	

### **SPELEO ROPES**

• EN 1891 •	pack - 30,	40, 50, 60,	, 70, 80, 100 m •	coil – 100, 200 m
-------------	------------	-------------	-------------------	-------------------

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







# **CARABINERS**







### **KEYLOCK**

#### for easy manipulation

Keylock 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**

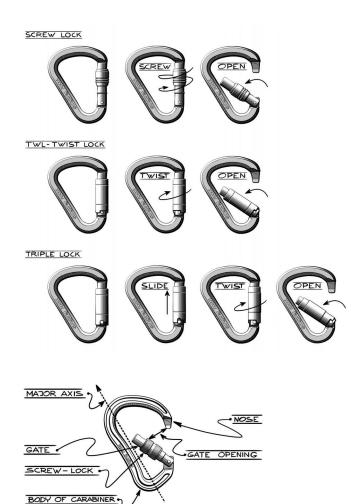
The latest technology in manufacturing carabiners, where the aluminum alloy is heated to reach very plastic state when being forged, in other words when it takes the final shape. This allows the metal to be formed more easily and to be moved to the areas where it is needed and removed from the areas where it is not neccesary. Compared to the cold forged carabiners, hot forged can provide better strength/weight ratio and resistance.



### SERIAL UNIQUE NUMBER

#### identification of metal parts

For better traceability and inspection recording the Singing Rock metal parts are marked with the serial unique number.





### BORA CARABINERS

Versatile pear–shaped HMS carabiners designed for multiple uses related to belaying or anchoring when climbing or working at heights. Manufactured with the latest features (Keylock, Hot forging, I–beam construction) to ensure long–lasting quality and maximum strength.

### **BORA GP / SCREW**

K0107EP00 black K0107BP00



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

Strength: 23 8 8 kN Gate opening (d): 22 mm Weight: 64 g • 2.26 oz

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** 



BORA TRIPLE LOCK

# 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
- serial unique number for better traceability and inspection

Strength: 23 8 8 kN Gate opening (d): 22 mm Weight: Screw: 63 g • 2.22 oz TWL/Triple lock: 68 g • 2.4 oz

1019 • EN 12275 • EN 362 •

### 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
- · serial unique number for better traceability and inspection

Strength: 26 8 11 kN Gate opening (d): 18 mm Weight: 48 g • 1.69 oz 1019 • EN 12275 • EN 362 •

### COLT / STRAIGHT COLT / BENT

straight K0111EE00 straight black K0111BB00 bent K0110EE00 bent black K0110BB00



#### Full size size hot forged quickdraw carabiner with solid gate. This real all-round biner is engineered to be equally used for both sport and trad climbing.

- 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 and cleaning the bolts
- 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

Strength: 26 8 11 kN Gate opening (d): 21 mm Weight: 42 g • 1.48 oz 1019 • EN 12275 •

### **COLT WIRE / STRAIGHT** COLT WIRE / BENT

straight K0113EE00 bent K0120EE00



#### Full size hot forged carabiner with a wire gate. This real all-round biner is engineered to be equally used for sport, trad and ice climbing.

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

Strength: 26 8 11 kN Gate opening (d): 22 mm Weight: 36 g • 1.27 oz 1019 • EN 12275 •

### **VISION / STRAIGHT**

K0009EE00



Our lightest carabiner for your most difficulty ascents.

with wire gate, anodized 25 kN 7 kN 8 kN Gate opening: (d) 19 mm Weight: 33 g • 1.16 oz 1019 • EN 12275 •

### VISION / BENT

K0025EE00



Our lightest carabiner with bent gate for easy rope clipping.

with wire gate, anodized 25 kN 7 kN 8 kN Gate opening (d): 19 mm Weight: 33 g • 1.16 oz 1019 • EN 12275 •

### VISION STRAIGHT 6PACK

K0009EE60



The ultra-lightweight and user-friendly VISION 6PACK comes in six different colors, coordinating with different sizes of mobile belay devices, such as nuts and friends.

- · very lightweight hot-forged construction
- · large rope-bearing surface
- lightweight and versatile standard size for all-around use
- does not freeze up in alpine and winter conditions
- · compact shape and minimal pack size
- · wire gates reduce whip-lash effect on the gate in a fall
- · the color scheme fits the established camming devices
- · each carabiner is individually tested for the strength 10 kN

Strength: 25 kN 7 kN 8 kN Gate opening (d): 19 mm Weight: 33 g • 1.16 oz 1019 • EN 12275 •

ACCESSORIES

### screw K0114EE00 screw black K0114BB00

triple lock K0121EE00 triple lock black K0121BB00





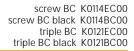
Large versatile pear-shaped HMS carabiner with screw/triple lock gate designed for multiple uses mainly for belaying or anchoring belaying or anchoring. Due to high strength and large gate opening it is mainly used as a central carabiner when anchoring.

- as a central carabiller when all finding.

  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
- serial unique number for better traceability and inspection

Strength: 30 9 8 kN Gate opening (d): 26 mm Weight: screw – 83 g / 2.9 oz Triple – 89 g / 3.1 oz 1019 • EN 12275 • EN 362

### HECTOR BC / SCREW HECTOR BC / TRIPLE LOCK





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
- serial unique number for better traceability and inspection

Strength: 30 9 8 kN Gate opening (d): 26 mm Weight: screw – 85 g / 3 oz Triple – 91 g / 3.2 oz 1019 • EN 12275 • EN 362

### 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 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
- serial unique number for better traceability and inspection

Strength: 26 8 7 kN Gate opening (d): 21 mm Weight: Screw: 74 g • 2.61 oz TWL/Triple lock: 81 g • 2.86 oz

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 7 kN
Gate opening (d): 21 mm
Weight:
Screw: 76 g • 2.68 oz
TWL/Triple lock: 83 g • 2.93 oz

1019 • EN 12275 • EN 362

### OZONE / SCREW

K0016AA00 black matt K0016BB00

### OZONE / TRIPLE LOCK

K0018AA00 black matt K0018BB00



Oval carabiner, key lock, screw gate 26 kN 10 kN 7 kN Gate opening (d): 21 mm Weight: 80 g • 2.82 oz serial unique number 1019 • EN 362 • EN 12275



Oval carabiner, key lock, triple lock 26 kN 9 kN 7 kN Gate opening (d): 21 mm Weight: 85 g • 3 oz serial unique number 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 Weight: 85 g • 3 oz serial unique number 1019 • EN 362 • EN 12275

ARTWALL K4310PP00



#### Steel carabiner specially designed for long-term placement in climbing gyms

- · center bar can be easily removed by alan key
- · captive bar prevents the twisting of carabiner
- wire gate minimizes accidental opening of the gate
- zinc-coated steel provides longer lifetime than light alloy carabiners

30 kN 10 kN 10 kN Gate opening (d): 25 mm Weight: 130 g • 4.59 oz 1019 • EN 12275

### VIA FERRATA / LOCK

K5330PE



## Light alloy carabiner specialy designed for via ferrata, rope parks and adventure centers $\,$

- $\bullet$  quick and easy automatic spring locking
- big gate opening for clipping on big diameter wires
- · key lock to avoid snagging when clipping and unclipping

30 kN 8 kN 9 kN Gate opening (d): 21 mm Weight: 90 g • 3.2 oz 0333 • EN 12275



ACCESSORIES

COLT K6715E011



## Full size hot forged durable quickdraw with solid gates intended for sport climbing.

- top straight carabiner equipped with the Keylock system and a special shaped grooves which facilitates clipping and cleaning the bolts
- bottom bent carabiner with the Keylock system for smooth clipping and unclipping the rope
- bottom bent carabiner equipped with a rubber O-ring to hold the carabiner in the correct position and to facilitate clipping the rope
- durable and easy-to-grab vari-width 16/25 mm polyamide webbing
- each carabiner is individually tested for the strength 10 kN
- COLT quickdraw is reliable and durable solution for crag climbing and when working on routes

Strength:

Quickdraw sling: 22 kN Carabiners: 26 8 11 kN Gate opening (d): 21 mm Length of sling: 12 cm • 4.3 in Weight: 99 g • 3.49 oz 1019 • EN 566 • EN 12275 •

**COLT MIX** 

K6716E011



## Super versatile quickdraw with a snag-free Keylock carabiner on the top and a smooth-clipping wire biner on the bottom.

- COLT MIX combines smooth clippability and wiregate functionality
- wire gate eliminates gate flutter and freezing up in winter conditions
- hot-forged I-beam construction makes the biners very light and still extremely strong with 11 kN gate open rating
- durable and easy-to-grab vari-width 16/25 mm polyamide webbing
- top straight carabiner equipped with the Keylock system and a special shaped grooves which facilitates clipping and cleaning the bolts
- bottom wire carabiner equipped with a rubber O-ring to hold the carabiner in the correct position and to facilitate clipping the rope
- each carabiner is individually tested for the strength 10 kN

Strength:

Quickdraw sling: 22 kN Carabiners: 26 8 11 kN Gate opening (d): 21 / 22 mm Length of sling: 12 cm • 4.3 in Weight: 93 g • 3.28 oz 1019 • EN 566 • EN 12275 •

### **COLT WIRE**

K6613E011



## The lightest full size quickdraw engineered to be equally used for trad, alpine and ice climbing.

- full sized hot forged top and bottom carabiners with the wire gates
- wire gates eliminate gate flutter and freezing up in winter conditions
- hooded nose for smooth clipping and unclipping
- bottom carabiner equipped with a rubber O-ring to hold the carabiner in the correct position and to facilitate clipping the rope
- 11 mm wide dyneema sling offers an excellent weight to strength ratio
- each carabiner is individually tested for the strength 10 kN

Strength:

Quickdraw sling: 22 kN Carabiners: 26 8 11 kN Gate opening (d): 22 mm Length of sling: 11 cm • 4.3 in Weight: 83 g • 2.93 oz 1019 • EN 566 • EN 12275 •



COLT 16 K6719E016



## Full size hot forged durable quickdraw with solid gates intended for sport climbing.

- top straight carabiner equipped with the Keylock system and a special shaped grooves which facilitates
  - clipping and cleaning the bolts
- · durable 16 mm polyamide webbing
- · each carabiner is individually tested for the strength 10 kN

#### Strength:

Quickdraw sling: 22 kN Carabiners: 26 8 11 kN Gate opening: (d): 21 mm Length of sling: 11 cm • 4.3 in Weight: 95 g • 3.35 oz 1019 • EN 566 • EN 12275 •

### **COLT 16 MIX**

K6720E016



## Super versatile quickdraw with a snagfree Keylock carabiner on the top and a smooth-clipping wire biner on the bottom.

- COLT 16 MIX combines smooth clippability and wiregate functionality
- · wire gate eliminates gate flutter and freezing up in alpine conditions
- · durable 16 mm polyamide webbing
- · each carabiner is individually tested for the strength 10 kN

#### Strength:

Quickdraw sling: 22 kN Carabiners: 26 8 11 kN Gate opening: (d): 21 / 22 mm Length of sling: 11 cm • 4.3 in Weight: 89 g • 3.14 oz 1019 • EN 566 • EN 12275 •

### **COLT 16 WIRE**

K6721E016



## Full size quickdraw engineered to be equally used for trad, alpine and ice climbing.

- full sized hot forged top and bottom carabiners with wire gates
- wire gates eliminate gate flutter and freezing up in winter conditions
- durable 16 mm polyamide webbing
- each carabiner is individually tested for the strength 10 kN

#### Strength:

Quickdraw sling: 22 kN Carabiners: 26 8 11 kN Gate opening (d): 22 mm Length of sling: 11 cm • 4.3 in Weight: 83 g • 2.9 oz 1019 • EN 566 • EN 12275 •

COLT 17 CM K6715E017



## Full size hot forged durable quickdraw with solid gates intended for sport climbing overhanging routes.

- hot-forged I-beam construction makes the biners very light and still extremely strong with 11 kN open gate rating
- top straight carabiner equipped with the Keylock system and a special shaped grooves which facilitates clipping and cleaning the bolts
- · durable easy-to-grab vari-width 16/25 mm polyamide webbing
- 17 cm length of the webbing reduces the rope friction in the carabiners when climbing overhanging routes
- bottom bent carabiner with the Keylock system for smooth clipping and unclipping the rope
- bottom bent carabiner equipped with a rubber fix to hold the carabiner in the correct position and to facilitate clipping the rope
- each carabiner is individually tested for the strength 10 kN

#### Strength:

Quickdraw sling: 22 kN Carabiners: 26 8 11 kN Gate opening (d): 21 mm Weight: 105 g • 3.7 oz 1019 • EN 566 • EN 12275 •

**VISION** 

K6604F011



## Ultra light set with a straight and bent wire gate carabiners. Ideal partner for lightweight style.

Dyneema webbing 11 mm Strength: Quickdraw sling: 22 kN Carabiners: 25 kN 7 kN 8 kN Gate opening (d): 19 mm Length of sling: 11 cm • 4.3 in Weight: only 75 g • 2.64 oz 1019 • EN 566 • EN 12275

### **ARTWALL SET**

K6950



13, 16, 20, 30 and 60 cm / 4, 6, 8, 12 and 24 in

## Steel quickdraw mainly made for long-term placement in the climbing gyms.

- · captive bar can be easily removed by alan key
- captive bar prevents the twisting of carabiner
- · wire gate minimizes accidental opening of the gate
- · zinc-coated steel provides longer lifetime than light alloy carabiners
- both connectors eliminate a theft

Strength:

Polyamide webbing 20 mm: 22 kN Carabiners: 30 kN 10 kN 10 kN gate opening (d) 25 mm Weight: 230 g [13cm] • 8.11 oz [4 in] 1019 • EN 566 • EN 12275



### COLT 6PACK

K6715E611

### COLT 17 CM 6PACK

K6715E617



Six full size hot forged durable quickdraws COLT with solid gates intended for sport climbing at reduced price



Ideal set for hard core sport climbers working on overhanging routes. Six full size hot forged durable Colt 17 cm quickdraws at reduced price.

### COLT 16 6PACK

K6719E616

### COLT 16 MIX 6PACK K6720E616



Full size hot forged durable quickdraws with a snagfree Keylock carabiners in the affordable set of 6 quickdraws.



Super versatile quickdraws for all-round climbing in the favorable set of 6 quickdraws.

### COLT 16 WIRE 6PACK K6721E616



Great set of 6 full sized hot forged quickdraws for trad, alpine and ice climbing.

### VISION 6PACK

K6604E611



Ultra light set with six VISION quickdraws for lightweight style at reduced price.

### D STEEL / SCREW

K4080ZO

### D STEEL / TRIPLELOCK

K4081ZO



with screw gate, key lock, zinc plated 50 kN 13 kN 20 kN Gate opening (d): 25 mm Weight: 255 g • 9 oz serial unique number 1019 • EN 362



with triple lock gate, key lock, zinc plated 50 kN 13 kN 20 kN Gate opening (d): 25 mm Weight: 267 g • 9.42 oz serial unique number 1019 • EN 362

### OVAL STEEL / SCREW

K4241ZO05

# OVAL STEEL / TRIPLELOCK

K4241ZO07



with screw gate, key lock, zinc plated 30 kN 9 kN 8 kN Gate opening (d): 18 mm 176 g • 6,21 oz serial unique number 1019 • EN 362



triple lock gate, key lock, zinc plated Gate opening (d): 18 mm Weight: 176 g • 6.21 oz 30 kN 9 kN 8 kN serial unique number 1019 • EN 362





### **MINI OVAL**

K82006Z black K82006B

### **SMALL OVAL**

K82008Z black K82008B



Ø 6 mm • 4 kN Gate open. (d) 7.5 mm zinc-plated Weight: 33 g • 1.16 oz



Ø 8 mm • 35 kN Gate open. (d) 11 mm zinc-plated Weight: 77 g • 2.72 oz 0082 • EN 362 EN 12275 •

### SMALL DELTA

K82207Z black K82207B

**BIG DELTA** 

K82210Z black K82210B



Ø 7 mm • 4 kN Gate open. (d) 8.5 mm zinc-plated Weight: 58 g • 2.1 oz



Ø 10 mm • 45 kN Gate open. (d) 12 mm zinc-plated Weight: 153 g • 5.4 oz 0082 • EN 362 EN 12275 •

### BIG D

K82310Z black K82310B

**BIG SQUARE** 

K82410Z black K82410B



Ø 10 mm • 45 kN Gate open. (d) 10 mm zinc-plated Weight: 153 g • 5.4 oz 0082 • EN 362 EN 12275 •



Ø 10 mm • 45 kN gate opening 12 mm zinc-plated 166 g • 5.86 oz 0082 • EN 12275 • EN 362 •

### **BIG TWIST**

K82508Z black K82508B



Ø 8 mm • 32 kN gate opening 17,5 mm zinc-plated • 106 g • 3.74 oz 0082 • EN 12275 • EN 362 •

PORTER K9000BB03





## 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-clipping
- the nose on the upper part allows to set away some staff in order to access staff on the bottom.
- rubber part fixes the Porter on place and prevent it from rotation

Max. load: 5 kg Weight: 32 g • 1.13 oz Color: black Material: plastic

MINI PEAR

K5052EE00



mix colour 16 g • 0.56 oz gate opening (d) 11 mm not for climbing

MINI D

K5182EE00



mix colour 25 g • 0.88 oz gate opening (d) 14 mm 6 kN not for climbing

### MINI D SCREW

K0027BY00

### QUICKDRAW RUBBER FIX

11 mm C0084XX11 16 mm C0084XX16



black colour 28 g • 0.99 oz gate opening (d) 12 mm 3 kN not for climbing



## Ideal for fixing the carabiner to the quickdraw sling.

- holds the carabiner in the correct position and avoids the unwanted twisting
- facilitates rope clipping
- pack of 10 pieces

Color: black Width: 11 mm, 16 mm

## WARNING: ALL ACCESSORY CARABINERS ARE NOT FOR CLIMBING!

Accessory carabiners are not load-bearing! They are not designed to hold human's weight. Do not use them for protection or belaying!.



## **CARABINERS**

	code	colour / surface	material	EN12275 EN362					gate open.	weight	
		Juliace		sport	work	kN	kN	kN	mm	g	OZ
	BORA SCREW K0107EE00 K0107BB00	orange black	AL alloy			23	8	8	22	63	2,2
0	BORA TWL K0108EE00 K0108BB00	grey black	AL alloy			23	8	8	22	68	2,4
0	BORA TRIPLE LOCK K0119EE00 K0119BB00	orange	AL alloy			23	8	8	22	68	2,4
O	BORA GP SCREW K0107EP00 K0107BP00	grey	AL alloy			23	8	8	22	64	2,3
	<b>COLT</b> <b>SCREW</b> K0112EE00 K0112BB00	silver black	AL alloy			26	8	11	18	48	1,7
0	COLT STRAIGHT K0111EE00 K0111BB00	grey black	AL alloy			26	8	11	21	42	1,5
$\bigcirc$	<b>COLT BENT</b> K0110EE00 K0110BB00	yellow black	AL alloy		Х	26	8	11	21	42	1,5
$\bigcirc$	COLT WIRE STRAIGHT K0113EE00	silver	AL alloy		х	26	8	11	22	36	1,3
$\bigcirc$	COLT WIRE BENT K0120EE00	blue	AL alloy		х	26	8	11	22	36	1,3
0	VISION STRAIGHT K0009EE00	brown	AL alloy		х	25	7	8	19	33	1.16
0	VISION BENT K0025EE00	red	AL alloy		х	25	7	8	19	33	1.16
	HECTOR SCREW K0114EE00 K0114BB00	blue black	AL alloy			30	9	8	26	83	2.9
0	HECTOR TRIPLE LOCK K0121EE00 K0121BB00	blue black	AL alloy			30	9	8	26	89	3.1
(2)	HECTOR BC SCREW K0114EC00 K0114BC00	blue black	AL alloy			30	9	8	26	85	3
O	HECTOR BC TRIPLE K0121EC00 K0121BC00	blue black	AL alloy			30	9	8	26	91	3.2

HARNESSES

	code	colour /	material	EN12275	EN362				gate	weight	
		surface		sport	work	kN	kN	kN	open. mm	g	OZ
	<b>OXY</b> <b>SCREEW</b> K0122EE05 K0122BB05	yellow black	Al alloy			26	8	7	21	81	2.86
	<b>OXY</b> <b>TWL</b> K0122EE06 K0122BB06	yellow black	Al alloy			26	8	7	21	81	2.86
	OXY TRIPLE LOCK K0122EE07 K0122BB07	yellow black	Al alloy			26	8	7	21	81	2.86
	OXY BC SCREEW K0123EC05 K0123BC05	yellow black	Al alloy			26	8	7	21	76	2.93
	OXY BC TWL K0123EC06 K0123BC06	yellow black	Al alloy			26	8	7	21	76	2.93
	OXY BC TRIPLE LOCK K0123EC07 K0123BC07	yellow black	Al alloy			26	8	7	21	76	2.93
	OZONE SCREW K0016AA00 K0016BB00	blue black	Al alloy			26	10	7	21	80	2.8
	<b>OZONE</b> <b>TWL</b> K0017AA00 K0017BB00	blue black	Al alloy			26	9	7	21	85	3
	OZONE TRIPLE LOCK K0018AA00 K0018BB00	blue black	Al alloy			26	9	7	21	85	3
	ARTWALL K4310PP	silver	steel		х	30	10	10	25	125	4.4
	<b>VIA FERRATA</b> K5330PE	silver	Al alloy		х	30	8	9	26	87	3.1
	D STEEL SCREW K4080ZO	zinc-plated	steel	х		50	13	20	25	255	9
$\bigcirc$	D STEEL TRIPLE LOCK K4081ZO	zinc-plated	steel	х		50	13	20	25	267	9.4
	OVAL STEEL SCREW K4241ZO05	zinc-plated	steel	х		30	9	8	18	176	6.2
	OVAL STEEL TRIPLE LOCK K4241ZO07	zinc-plated	steel	х		30	9	8	18	195	6.8





PENTA

blue C0071AA00 red C0071RR00 grey C0071SS00 white C0071WW00





## 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.

- 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) • EN 12492 •



KAPPA grey C0052GX00 blue C0052AX00





- · fully adjustable, fast and secure adjustment system
- · well ventilated with 8 air intakes
- · adjustable chinstrap and headband for a comfortable fit
- · quick fastening and opening with a safety release buckle
- rear size adjustment system is flexible and can be easily putted inside the helmet
- four head lamp holders compatible with any headlamp on the market
- · inner padding and headband fully removable and washable.

Size: UNI 53-62 cm Weight: 330 g • 11.64 oz

Color: grey, blue

ABS injection moulded outer shell

EPS energy absorption inner structure

polyamid strap

• EN 12492



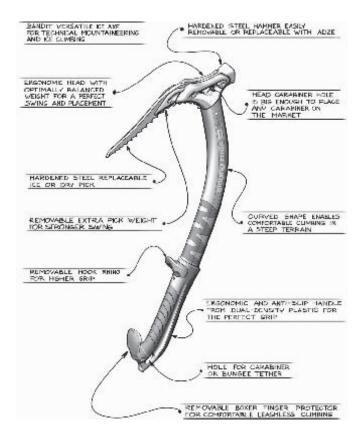






# BANDIT





Versatile ice axe for a wide range of use. Given its modular design, the ice axe can be adapted to a particular ascent. Especially suitable for demanding technical mountaineering and ice climbing.

- Bent shaft makes hooking in steep ice or rock easy while creating an optimum grip angle.
- Hot forged head allows use of adze/hammer and choice of ice/dry pick. For demanding mixed climbing, the ice axe can be used without adze/hammer.
- Head shape is designed so that it can be jammed into the cracks and to provide support for climbing in soft snow. The weight of the head is concentrated in the trajectory of the swing making penetration into hard ice as easy as possible. Possible to connect a carabiner to the head.
- Ergonomically shaped handle is made of dual-density plastic for thermal insulation and safe grip.
   A carabiner or "Bungee" tether may be attached to the spike.
- "Boxer" protects fingers against injury and getting drenched and enables leashless climbing. "Rhino" hook is designed for higher grip in demanding ice/ mixed climbing or, in contrast, in climbing snow slopes. You may remove both accessories and get a light ice axe for classic technical mountaineering.
- Removable extra pick weights MASS for stronger swing improve pick penetration into the hardest ice.
- · Included with ICE pick

Weight of fully mounted ice axe (ice pick, Mass, hammer/adze, Boxer, Rhino) 660 g • 23.28 oz Length: 50 cm (20 in)

#### Material:

Pick – chromoly steel Head, spike, shaft – aluminium alloy Grip – dual-density plastic Mass – stainless steel

1019 • EN 13089 lce/dry pick type 2 (T) Shaft type 2 (T) EDGE adze RK008SS00A hammer RK009SS00H



Material: spike, pick – chromolly steel head, shaft – aluminium alloy

Weight of fully mounted ice axe (EDGE pick, hammer/adze) without the leash: 555 g • 19.56 oz Length: 54 cm (21 in)

The performance of this tool is situated between classical ice axe and modern technical tool. It combines the advantages of both: curved shaft for large clearance useful in technical terrain and traditional spike that penetrates the snow easily when climbing snow slopes. It is the best choice for steep couloirs and classical alpine terrain.

- Bent shaft makes hooking on ice bulges or rock easy while creating an optimum grip angle.
- Hot forged head allows use of adze/hammer and pick replacement. If focused on the lowest weight, the ice axe can be used also without adze/hammer.
- The EDGE pick is aggressive enough for hard ice and moderate mixed climbing and also has a smooth grip zone which protects your gloves when holding the head.
- Head shape is designed so that it can be jammed into the cracks and to provide support for climbing in soft snow. Hole in the head is big enough to fit any carabiner.
- The spike is narrow and penetrates the snow easily. A carabiner or "Bungee" tether may be attached to its eye.
- The leash FIX PLUS included

1019 • EN 13089 EDGE pick type 2 (T) Shaft type 2 (T)

WIZARD RK005



#### Light ice axe designed for traditional alpine mountaineering.

- Curved shaft under the head makes climbing in icy or mixed terrain easier
  while the bottom straight part easily penetrates snow. The shaft is made
  of high-quality 7075-class aluminium alloy. The bottom part includes an
  anti-slip grip.
- Pick is made of durable chromoly steel and it easily penetrates even hard snow or alpine ice.
- · Adze is designed for easy cutting of steps or snow platforms.
- The ice axe head is ergonomically shaped and makes self-arrest maneuvre easier.
- Holes in the head as well as in the spike are big enough for attaching a carabiner.
- · Leash "Fix" included.

Weight: 445 – 495 g • 15.7 – 17.46 oz Length: 55, 62, 69 cm • 22, 24, 27 in 1019 • EN 13089 Shaft type 1 (B)

**RK007** 

**WIZARD LIGHT** 

RK006



# Our lightest ice axe designed especially for ski touring, altitude climbing and all adventures where every gram counts.

- · A lighter version of the Wizard ice axe.
- Without steel spike.
- The bottom part of the shaft is sealed against snow and equipped with a hole for attaching a carabiner.
- "Fix" and "Bungee" leashes compatible.

Weight: 390, 415 g • 13.76 – 14.64 oz Length: 52, 59 cm (20, 23 in)

1019 • EN 13089 Shaft type 1 (B)

MERLIN



# Light ice axe designed for glacier tours and easy snow ascents in the mountains.

- Classic straight shaft is made of high-quality 7075-class aluminium alloy.
- Pick is made of durable chromoly steel and it easily penetrates even hard snow or alpine ice.
- · Adze is designed for easy cutting of steps or snow platforms.
- Ice axe head ergonomically shaped especially for holding when walking.
- Holes in the head as well as in the spike are big enough for attaching a carabiner.
- Leash "Fix" included.

Weight: 455 – 505 g • 16.05 – 17.81 oz Length: 58, 65, 72 cm (23, 26, 28 in)

1019 • EN 13089 Shaft type 1 (B)

# **LUCIFER II**





LUCIFER II / TECH



LUCIFER II / SEMI-CLASSIC



LUCIFER II TECH / MONOPOINT

Extra lightweight and versatile chromoly crampons with replaceable front points. Designed for climbing steep icefalls difficult mixed routes and mountaineering.

- extra lightweight design alongside with durable chromoly construc-
- modular construction for both, mono and dual front points
- aggressive front teeth provide additional support and extra balance
- back facing teeth for balance on free standing pillars and columns
- · down facing teeth for stability on ice bulges
- stainless steel Rock&Lock buckle enables fast and easy fastening and releasing the webbing.
- innovative Micro-Step Adjustment (MSA) system and adjustable heal bails for precise fit and tool-free adjustment
- front points and frame are made of durable hardened chromoly
- available with two fastening systems for rigid mountaineering
- "Bouncer" anti-snow plates included
- · budget-wise spare parts

#### Woight.

LUCIFER II / S: 1050 g • 37 oz (with mono point 990 g • 35 oz LUCIFER II / T: 1025 g • 36.16 oz (with mono point 965 g • 34 oz Size: 37-47 EU

• EN 893

# חאארו

# FAKIR II



CLASSIC RK204BY00C SEMI-CLASSIC RK204BY00S TECH RK204BY00T



FAKIR II / CLASSIC



FAKIR II / SEMI-CLASSIC



RK204BY00T

# All-round lightweight twelve-point crampons for classic mountaineering. Designed for all terrain from glacier tours to steep snow slopes or classic ice couloirs.

- asymmetrical shape of crampons ideally adapts to the boot and the front points thus providing maximum efficiency in steep terrain
- lowered teeth profile provides better stability while keeps traction.
- innovative Micro-Step Adjustment (MSA) system for precise fit and tool-free adjustment
- · frame is made of hardened chromoly steel
- stainless steel Rock&Lock buckle enables fast and easy fastening and releasing the webbing
- designed for three fastening systems (Classic, Semi-Classic, Tech) and are therefore suitable for softer trekking boots, as well as rigid mountaineering boots.
- · "Bouncer" anti-snow plates included.

Weight:

FAKIR / C: 855 g • 30.16 oz FAKIR / S: 920 g • 32.45 oz FAKIR / T: 900 g • 31.75 oz

Size: 37-47 EU • EN 893



# ICE AXES SPARE PARTS

		colour	weight	parts	description
4	HAMMER RK105BB000	black	44 g 1.55 oz	1	hammer for Bandit and Edge ice axe
4	ADZE RK106BB000	black	49 g 1.73 oz	1	adze for Bandit and Edge ice axe
9	PICK SPACER RK113BB000	black	12 g 0.42 oz	1	pick spacer for Bandit and Edge ice axe
No.	ICE PICK RK107BB000	black	133 g 4.69 oz	1	pick for Bandit ice axe for ice climbing
100	DRY PICK RK108BB000	black	139 g 4.90 oz	1	pick for Bandit ice axe for drytooling
PRI	EDGE PICK RK116XX000	black	116 g 4.09 oz	1	pick for EDGE ice axe
20	MASS RK115XX000	stainless steel	50 g 1.76 oz	pair	stainless steel extra weight for ICE PICK
an	GRIP STICKER RK114BB000	black	2 g 0.07 oz	1	anti-slip sticker for all kind of ice axes
1	BOXER RK109BB000	black	10 g 0.35 oz	1	finger protector for Bandit ice axe
8	RHINO RK110BB000	black	7 g 0.25 oz	1	finger rest for Bandit ice axe

# **CRAMPONS SPARE PARTS**

		colour	weight	parts	description
0	BOUNCER FAKIR RK601YY000	yellow	94 g 3.32 oz	pair	anti snow plates for Fakir II crampons
D. J.	BOUNCER LUCIFER RK602YY000	yellow	86 g 3.03 oz	pair	anti snow plates for Lucifer II crampons
Pri	FRONTPOINT LUCIFER II RK605BB000	black	32 g 1.13 oz	4 pcs.	set of replaceable front points for Lucifer II crampons
Name of the last o	CENTER BAR II XL RK606BB005	black	60 g 2.12 oz	pair	extra long center bar for Fakir II and Lucifer II crampons (EU 43-52), suitable also for ski-touring or telemark boots

ACCESSORIES

#### 112 cm RK303SX012 17 cm RK303SX017 22 cm RK303SX022

#### **NEW**

**QUICK SPIN** 



Hardened steel ice screw with a light alloy hanger and a folding crank intended for ice climbing.

- · integrated folding crank makes it easier and faster to screw in during more advanced climbing
- · crank is equipped with a fluted handle for a more secure grip with gloves on
- · shaft is made of hardened CrMo steel for higher strength and durability
- · anti-corrosion coating of the shaft ensures high resistance against rust
- · four high-quality sharp teeth make gear placement easier
- · thin profile of the shaft allows easy screwing even in over frozen ice (below -10°C)
- light alloy hanger is designed to provide good ergonomics while screwing, to ensure easy stacking on a holder and to allow clipping of two carabiners
- · screw is available in three different lengths (variants are color-coded - blue, yellow, grey)

Length: 12, 17, 22 cm • 4.7, 6.7, 8.7 in

Strength: 8 kN (L12), 10 kN (L17, L22), 5 kN (L12, 17, 22) Weight: 135 g • 4.4 oz (L17)

Material: hardened steel, light alloy

1019 • EN 568 (L17 and L22 only)

12 cm RK302SX012 17 cm RK302SX017 22 cm RK302SX022





Hardened steel ice screw with light alloy hanger. The screw is best suited to be used for glacier tours and classic alpine

- · Shaft made of hardened steel for higher strength and dura-
- · Thin profile of the shaft allows easy screwing even in overfrozen ice (under -10 C°)
- Anti-corrosion coating of the shaft ensures high resistance against the rust
- · 4 millimeters thick anodized light alloy hanger ensures better grip while screwing
- · Hanger is designed to provide easy stacking on the holder and to allow clipping of two carabiners
- · Four high-quality sharp teeth make gear placement easier

Length: 12, 17, 22 cm • 4.7, 6.7, 8.7 in Strength: 8 kN (L12), 10 kN (L17, L22), 5 kN (L12, 17, 22) Weight: 125 g • 4.4 oz Material: hardened steel, light alloy 1019 • EN 568 (L17 and L22 only)



BUNGEE RK112



A lightweight tether for leashless climbing. Bungee attaches ice tools to the harness which makes the loss of the tool impossible.

- V-shaped elastic webbing is short enough for tanglefree handling and may be stretched for maximum reach.
- length of the lanyards can be extended up to 136 cm incl. carabiners
- · colour demarked lanyards for better orientation
- two mini screw lock carabiners attached to the tool's spike or head.

Strength: 300 kg Gate opening (d): 12 mm Weight: 94 g • 3.32 oz Length: 64 – 136 cm incl. carabiners Material: 85% PAD, 0,5% PES, 14.5% elastic fibre carabiner – aluminium alloy



FIX RK111BY000

### **FIX PLUS**

RK111BY001



Simple leash with minimal weight for MERLIN and WIZARD ice axes. Strength: 200 kg (2 kN) Weight: 24 g • 0.85 oz Material: Polyamide



Advanced leash with padding and easy releasing/tightening system.

- padding provides better comfort in a wrist area
- The leash can be operated by one hand only: hook and pull the loop with hammer/adze to release from wrist and simply load for tightening.

Max. load: 100 kg Weight: 40 g • 1.4 oz Material: Polyamide

# **CRAMPON BAG**

RK251XX000



Protective and storage bag for your crampons.

- designed to hold the crampons, also suitable to storage your ice screws or picks.
- protects your rope, jacket and backpack when transporting the crampons
- reinforced, durable bottom protects your pack from sharp objects.
- zippered mesh top panel allows water to escape and your equipment to dry
- · an internal velcro strap keeps the crampons in place.

Color: black Weight: 188 g Dimension: 30 x 12 x 10 cm

# ICE SCREWS BAG

RK351XX000



### To protect and organize your ice screws.

- lightweight and convenient roll-up bag protects the threads and teeth of your ice screws
- saves the space when they are stored in your backpack.
- snag-free slots for 8 ice screws of the length 12 22 cm
- made from durable material
- · zippered mesh pocket for small items

Color: black Weight: 150 g (± 15g ) Material: PVC









# HARDWARE





**RAMA** 

grey K0043SX00 orange K0043OX00





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.

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

**RAMA SET** 

M0201XX00



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

# **SHUTTLE**

K6140EE00 black matt K6140BB00



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 for or sling more leverage to release the device.

- · designed for twin, half and single ropes
- lightweight and compact, only 65 g
- · V-grooves for high friction when belaying the leader or rappeling
- · self locking function when belaying the second
- · eye for releasing the weight
- · possibility of simultaneous belaying two climbers

Weight: 65 g • 2.29 oz Rope diameter: @@ 7.8 – 10.5 mm ① 9 – 10.5 mm Material: Light alloy EN 15151-2

**BUDDY** 

K6132EE black matt K6132BB



Buddy is light and compact belay tube.

For all round climbers.

Designed for ropes 7.8 – 11 mm
mix color

Weight: 54 g • 1.91 oz

EN 15151-2

**BUDDY SET** 

M0200XX00



Buddy is light and compact tube and with BORA GP key lock carabiner creates superb unit for belaying in the gyms or at the crags, suitable also for rappeling.

Designed for ropes 7.8 – 11 mm Weight: 119 g • 4.2 oz

# FIGURE 8 L





# Simple rappeling device designed for the ropes of bigger diameters.

30 kN • color mix Weight: 125 g • 4.41 oz Rope diameter: 8.5 – 13 mm EN 15151-2

- for ropes of various diameters
- · many color variants
- easy rappelling
- effective heat distribution

### FIGURE 8 M

K6021EE black matt K6021BB







# Simple rappeling device designed for the ropes of smaller diameters.

25 kN • color mix Weight: 104 g • 3.67 oz. Rope diameter: 7.5 – 11 mm EN 15151-2

#### **ASCENDERS**

### **CAM CLEAN**



RK805BX00



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

Weight: 125 g • 4.4 oz Material: body – light alloy cam – stainless steel trigger – plastic EN 12841 Static rope 10–13 mm EN 567 Rope 8–13 mm 1019 • EN 567 • EN12841 type B



### LIFT



LEFT RK804BX0L RIGHT RK804BX0R



#### 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

Weight: 190 g • 6.7 oz Material: body – light alloy cam – stainless steel trigger – plastic EN 12841 Static rope 10–13 mm EN 567 Rope 8–13 mm 1019 • EN 567 • EN 12841 type B

#### **DESCENDERS**

# **DOUBLE STOP PLUS**

K031DSD00



# 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.

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. Rope Ø: 9 – 12 mm Ø 9 mm – max. working load 130 kg Ø 10 – 12 mm – max. working load 200 kg Weight: 421 g • 14.85 oz

0123 • EN 12841 type C

### **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 serial unique number 1019 • EN 12278

### PULLEY EXTRA



RK801EE00 black version RK801BB00



# 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 serial unique number 1019 • EN 12278

# **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
   social hall bearing and large diameter of the sheave provides great
- 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

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 serial unique number 1019 • EN 12278



# **PULLEY MIKY**



RK806BB00

#### **NEW**



# 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 %

strength: 28 kN max. Ø rope: 13 mm sheave and side plates: aluminium alloy bearing: bronze axle: stainless steel bearing: friction weight: 105 g • 3.7 oz serial unique number 1019 • EN 12278

# **TANDEM PULLFY**



RK803BB00



# Double pulley for Tyrolean traverses and zip-lines with two stainless steel sheaves.

- each sheave is equipped with a pair of sealed ball bearings for great durability
- hard aluminium alloy body is black anodized and protects the sheaves from damage
- large attachment point can accommodate up to three 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 serial unique number 1019 • EN 12278

**PITONS** 

#### PITON V



RK710XX08 – L8 RK710XX10 – L10 RK710XX12 – L12

# V pitons fit to larger cracks and pockets.

• easy clip-in point Material: Cr-Mo hardened steel Thickness: 8-13 mm Length: 8, 10, 12 cm • 3, 4, 4.7 in Weight: 84 g (L8) • 3 oz (L8) 1019 • EN 569

### PITON A5



RK709XX05 - L5 RK709XX07 - L7 RK709XX09 - L9

# Hardened steel piton for clasical cracks intended for mountaineering or aid climbing.

Material: Cr-Mo hardened steel Thickness: 5 mm Length: 5, 7, 9 cm • 2, 2.8, 3.5 in Weight: 103 g (L7) • 3.6 oz (L7) 1019 • EN 569

### PITON A3



RK708XX03 – L3 RK708XX05 – L5 RK708XX07 – L7

# Hardened steel piton for thinner cracks.

Material: Cr-Mo hardened steel Thickness: 3 mm Length: 3, 5, 7 cm • 1.2, 2, 2.8 in Weight: 54 g (L5) • 1.9 oz (L5) 1019 • EN 569

#### Classic rock hammer for big wall climbing, first ascents or work at height.

- · clip-in point in a head enables to remove the pitons from the cracks
- narrowed head for easier nut and copperhead placement
- · anti-vibration rubber handle
- · attachment point in the handle for the accessory cord
- clip-in point in the head for easier handling

Length: 30 cm • 11.8 in Weight: 590 g • 20.8 oz

**ULTIMA** 

RK706XX00



### A special piton which makes the unclimbable passages possible to climb.

- for thin cracks up to 2,5 mm wide
- possible to use in vertical or horizontal cracks
- · rust resistant steel wire
- · great tool for aid climbing or first ascents

Strength: 5 kN Material: Cr–Mo hardened steel blade, steel wire Weight: 21 g • 0.7 oz

**SENTINEL** 

RK711XX00



#### Hook for fragile edges and drilled holes.

- important tool for aid climbing or first ascents
- 10 cm polyamide webbing included Material: Cr–Mo steel, PAD webbing Length: 13 cm Weight: 43 g • 1.5 oz

CAPTAIN

RK705XX00



#### Hook for small to medium flakes, edges and rugosities.

- · important tool for aid climbing or first ascents
- 10 cm polyamide webbing included

Material: Cr–Mo steel, PAD webbing Length: 13 cm Weight: 46 g  $\cdot$  1.63 oz

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

### ZINC PLATED HANGER PLATE / WITH BOLT



# 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 62 g • 2.19 oz
10 mm w/bolt 100 g • 3.53 oz
12 mm w/bolt 125 g • 4.41 oz

EN 795 • EN 959

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

# 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.)

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

EN 795 • EN 959

# **GLUE IN ANCHOR**

RK703XX10



#### 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

#### Rappelling station for the climbing gyms or crags.

Includes: 2 hanger plates 12 mm, 2 chains and 1 ring Strength: 25 kN Length of the chain: 17.5 cm Inside diameter of the ring: 5 cm Material: zinc-coated steel Weight: 580 g • 20.46 oz Strength: 25 kN

Length of the chain: 17,5 cm 1019 • EN 959 • EN 795 Type B

# RIGGING PLATE 1/3



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
- $\bullet$  all attachment points are big enough to allow locking sleeves of most carabiners passing through

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

# RIGGING PLATE 3/5



RK6371BB



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







#### Anchor device, that extends lifetime of the rope when toproping.

- ideal partner for adventure parks, rope courses and climbing gyms
- allows to be installed in two axises

Max. diameter of rope: 12 mm

Color: red

Weight: 375 g • 13.23 oz

Material:

side plate: light alloy sheave: stainless steel Strength: 26 kN serial unique number

1019

TWISTER K00300G00



#### Rotating hanger

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

Working load: 4 kN Strength: 22 kN Weight: 91 g • 3,25 oz.) Color: anthracite/yellow serial unique number 0321 • EN 354



HARNESSES







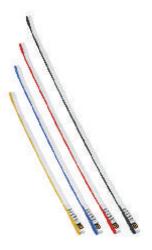
# SLINGS AND LANYARDS







SLINGS 16 MM



# Light and strong nylon slings for multiple use at traditional protection.

- versatile, strong and extremely durable
- for better gear management available in different colors in the lengths from 60 to 150 cm.

Width: 16 mm
Material: polyamide
Strength: 22 kN
Length: 60, 80, 120, 150 cm /
24, 32, 48, 60 in
Weight: 48 g (60 cm) / 1.7 oz (24 in)
1019 • EN 566 •

# DYNEEMA SLINGS 11 MM

C2001



#### Light, thin and still very strong slings for the trad climbing.

- · ideal for all applications where the weight and strength come first
- for better gear management available in different colors in the lengths from 30 to 150 cm.

Width: 11 mm
Material: dyneema
Strength: 22 kN
Length: 30, 60, 80, 120, 150 cm /
12, 24, 32, 48, 60 in
Weight: 27 g (60 cm) • 0.95 oz (24 in)
1019 • EN 566 •

# DYNEEMA SLINGS 8 MM

C2004



#### 22 kN

#### Light, thin and still very strong.

Perfect for threads. This 8 mm sling is ideal for all applications were weight and strength come first.

Lengths: 60 and 120 cm Weight: 21 g [60 cm] • 0.74 oz [24 in] Color: yellow (60 cm), red (120 cm) 1019 • EN 566 •

### QUICKDRAW SLINGS 16/25 MM

12 cm C2087X012 17 cm C2087X017



#### Vari-width quickdraw sling for your own quickdraw customization.

• easy to grab and it is ideal for building custom sport climbing quickdraws

Width: 16/25 mm
Material: polyamide
Strength: 22 kN
Length: 12, 17 cm • 4.7, 6.7 in
Weight: 12, 18 g • 0.42, 0.64 oz
Color: blue / yellow
1019 • EN 566 •

# QUICKDRAW SLINGS 16 MM

C2085



#### Designed for your own easy quickdraw customization.

- · light, durable and easy to grab
- available in different lengths to create your quickdraws

Width: 16 mm
Material: polyamide
Strength: 22 kN
Length: 11, 13, 16, 20 and 30 cm / 4.4, 5.2, 6.4, 8 and 12 in
Weight: 12 g (11 cm) • 0.42 oz (4,4 in)
1019 • EN 566 •

### **QUICKDRAW SLING DYNEEMA 11 MM**

C2000



# Ideal for your own easy quickdraw customization or the replacement of the worn sling.

• 11 mm wide dyneema sling offers an excellent weight to strength ratio

Width: 11 mm
Material: dyneema
Strength: 22 kN
11, 13, 16, 20 and 30 cm / 4.4, 5.2, 6.4, 8 and 12 in
Weight: 8 g (11 cm) • 0.28 oz (4,4 in)
1019 • EN 566 •

# JACOB DYNEEMA

C2151BY00



#### Versatile and ultra light ladder.

- · used for technical climbing and working at heights
- 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

Weight: 140 g • 4.94 oz 1019 • EN 566 • EN 354

# ACCESSORIES

**FOOTER II** 

W1024BX

#### Ascender webbing for aid climbing and rope access.

- · big loop for easy releasing the webbing
- small loop for the attachment to the carabiner
- reinforced step loop
- FOOTER II COMPLETE includes Mini D screw 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

**FOOTER XP** 

W1025BX



#### Lightweight adjustable ascender loop made from

- 6 mm accessory cord. · light-alloy XP buckle allows to adjust the length even when
- · webbing in the buckle simplifies length adjustment
- big hole in the buckle enables to attach any type of carabiner
- reinforced step loop equipped with an elastic strap
- · which keeps the proper position of the foot

Weight 105 g • 3.7 oz Material PAD, light alloy Length 30-170 cm • 12-67 in Max. load 180 kg • 390 lb

# REGULATOR

W1051BX



#### Adjustable tether for aid climbing and first ascents.

- · adjustment of the length is fast and repeatable
- · easily releasable buckle

Width: 20 mm • 0.8 in Length: 18 - 136 cm • 7 - 53.5 in

 this product IS NOT belay stance lanyard DO NOT USE FOR BELAYING! DO NOT USE AS AN ATTACHMENT POINT! Color: anthracite/red Weight: 90 g • 3.17 oz Material: webbing PAD, buckle steel Strength: 1.5 kN (150 kg 330 lb)

# SAFETY CHAIN

C2419X black C2419B



#### The safest classical daisy chain for aid climbing on the market.

- innovated daisy chain with patented double loop at the end provides safe and adjustable attachment for the climber to the anchor point
- · avoids dangerous use of the traditional daisy
- · can be shortened to any loop safely without using more than one carabiner or unclip the first
- · 16 mm polyamide webbing provides longer life-

Length: 120 cm • 48 in 140 cm • 56 in Strength: 22 kN / 3,5 kN individual loop

Weight: 102 g • 3.6 oz 1019 • EN 566 •

# **JACOB**

C2150BY



#### Ultra light six staves aider

Staves reinforced with plastic keep its shape even when loaded. Strength 500 kg. Strength of grab loop 100 kg. Weight: 210 g • 7.40 oz



### **TUBULAR WEBBING**

black C0037BB12 red C0037RR12



- width of webbing 20 mm (0.79 in)
- made of low stretch PAD
- max. length 120 m (393 ft) weight: 39.4 g/m • 1.39 oz/m strength: 17 kN EN 565

### **FLAT WEBBING**

C0035AO12



- · width of webbing 16 mm (0.63 in)
- · made of low stretch PAD
- max. length 120 m (393 ft)
   weight: 37.7 g/m 1.33 oz/m
   strength: 15 kN
   EN 565

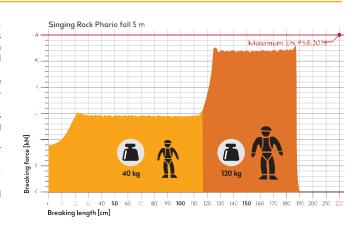


**VIA FERRATA SET** 

### **PHARIO**

New generation of energy absorbers for via ferrata routes, ropes courses and adventure parks in accordance with a new standard EN 958:2017

- for all users, from the kids to the adults weighting 40 – 120 kg (88 – 265 lb)
- new fall indicator label enables fast inspection of tear webbing energy absorber
- tear webbing energy absorber stored in more resistant cover
- twisted loop for an easy attachment to the harness
- maximal length of the activated fall absorber 190 cm (Phario 360° max. 215 cm)
- · rounded shape for easy handling
- central eye with the strength 12 kN for resting and belaying
- unique production number



### PHARIO 360°



C2316XX00



#### New energy absorber with elastic arms and stainless steel swivel.

- · stainless steel swivel minimizes twisting the elastic
- the user has maximal useable area of 360°
- · elastic arms with a length 50 cm and maximum elongation 85 cm
- resistance of the arms is tested on a cyclic machine. Cyclic process is done by minimally 50 000 cycles Weight: 595 g • 21 oz

(incl. carabiners and swivel)

1019 • EN 958 • EN 12275 type "K" •

### PHARIO PALM



C2315XX00



#### Energy absorber for via ferrata routes with palm Keylock carabiners.

- keylock carabiners, type "K" according EN 12275
- · color distinction between the lanyards for easy manipulation and avoiding the twisting
- · elastic lanyards length: 50 cm, extended length: 90cm

Weight: 540 g • 19 oz (incl. carabiners) 1019 • EN 958 • EN 12275 type "K" •

# PHARIO SLIDE



C2314XX00



#### Energy absorber for via ferrata routes with sliding carabiners type "K" according EN 12275.

· color distinction between the lanyards for easy manipulation and avoiding the twisting

Weight: 470 g • 16.6 oz 1019 • EN 958 • EN 12275 type "K" •

# **PHARIO**



C2313XX00

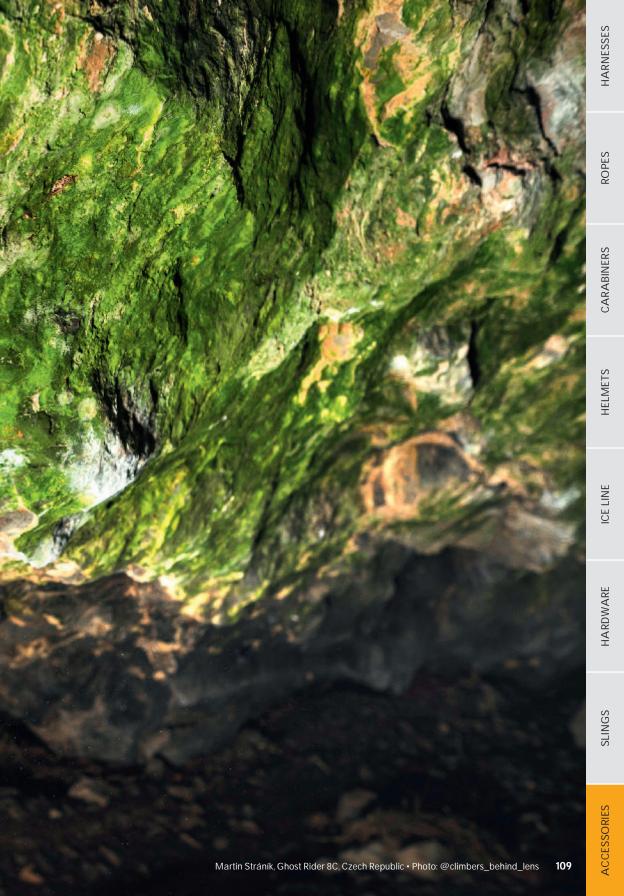


#### Shock absorber for via ferrata routes, ropes courses and adventure parks. (without the carabiners)

- · ideal for all of those who wish to choose their own carabiners
- recommended carabiners type "K" EN 12275

Weight: 290 g • 10.2 oz 1019 • EN 958 •







# **ACCESSORIES**





### SLACKLINE 15 M

C0064BY15



Slackline set 15 m is ideal for the beginners and allrounders. Also suitable for the schools, climbing gyms or special training purposes.

- superlight 2 colours webbing with the strength 3 tones and width 25 mm has excellent qualities
- · fast assembly with the rachet
- anchoring around the solid anchor with the slings and smart Rock&Lock buckles
- slackline set is made as simple as possible that even a beginner can assemble it easily

Width of webbing: 25 mm • 0,98 in Material: low stretch PES

Strength: 3t

Slackline Set 15 m includes:

- 2 anchoring slings with Rock&Lock buckles and sewed eyes
- 15 m slackline webbing with sewed eye.
- 1 rachet
- Transport bag

# **SLACKLINE 25 M**

C0064BY25



#### Slackline set 25 m is ideal for the advanced slackliners.

- superlight 2 colours webbing with the strength 3 tones and width 25 mm has excellent qualities
- tension made by multi-pull system Width of webbing: 25 mm • 0,98 in Material: low stretch PES

Strength: 3t

Slackline Set 25 m includes:

- 25 m slackline webbing with sewed eye.
- 2 anchor slings
- 1 acessory sling for multi-pull system
- 1 sheckle
- 1 Oval Steel connector / screw
- 1 lock pin
- 2 o-rings
- · Transport bag

# SLACKLINE WEBBING

C0065BY15



# Ideal webbing for all kind of slackline – longline, highline, waterline...

Width of webbing: 25 mm • 0,98 in Material: low stretch PES Strength: 3t Weight: 59 g /m

Weight: 59 g/m Elongation: 8% Max. length 150 m **FONT** C0075BX00



#### Lightweight one-part sit start pad

- · suitable for outdoor bouldering as well as for indoor walls and
- · abrasion and water-resistant fabric with high-quality printing
- thin layer of anti-slip rubber on the bottom (the pad does not slip on the grass, on a slope...)
- inner construction consisting of two layers of high quality foam (the upper foam is with closed cells and the bottom with open
- · great in a combination with the MAGIC two-part crash pad and the HUECO three-part crash pad

Weight: 1.2 kg (2.65 lb)

Size: 90 x 50 x 5 cm (35.4 x 19.7 x 2 in)

Material: 25% polyethylene foam, 75% polyurethane foam, nylon + antislip finishing

MAGIC C0076BX00



#### Two-part crash pad with two-layer shock absorbing construction.

- · suitable for outdoor bouldering as well as for indoor walls and
- velcro stripes hold the parts of the pad tightly together when unfolded
- easy transportation thanks to comfortable shoulder straps which can be easily adjusted using unbreakable light-alloy buckles
- · fast closing and opening are ensured by light-alloy buckles as well
- · abrasion and water-resistant fabric
- thin layer of anti-slip rubber on the bottom (the pad does not slip on the grass, on a slope...)
- inner construction consisting of two layers of high quality foam (the upper foam is with closed cells and the bottom with open cells)
- · great in a combination with the FONT sit start pad and the HUECO three-part crash pad

Weight: 5.1 kg (11.3 lb)

Size: 116 x 95 x 10 cm (3.8 x 3.1 x 0.3 ft)

Material: 25% polyethylene foam, 75% polyurethane foam, nylon + antislip finishing

**HUECO** C0077BX00



#### Three-part crash pad with two-layer shock absorbing construction.

- · suitable for outdoor bouldering as well as for indoor walls and
- abrasion and water-resistant fabric with high quality printing
- thin layer of anti-slip rubber on the bottom (the pad does not slip on the grass, on a slope...)
- inner construction consisting of two layers of high quality foam (the upper foam is with closed cells and the bottom with open
- velcro stripes hold the parts of the pad tightly together when unfolded
- easy transportation thanks to comfortable shoulder straps which can be easily adjusted using unbreakable light-alloy buckles
- fast closing and opening are ensured by light-alloy buckles as well
- great in a combination with the MAGIC three-part crash pad

Weight: 6.7 kg (14.77 lb)

Size: 150 x 100 x 10 cm (4.9 x 3.3 x 0.3 ft)

Material: 25% polyethylene foam, 75% polyurethane foam, nylon + antislip finishing

HARNESSES

**BOULDER BAG** 

C3066BY00



- the biggest chalk bag in our production
- great for the gyms where sits on the floor
- · adjustable belt
- 2 brush holders and 1 pocket
- weight: 205 g 7,23 oz.

### **SUPER TAPE**

C0034W125 – white 12,5 mm C0034Y380 – yellow 38 mm



- very strong
- super adhesive
- · non-allergic (clinically tested)
- no glue marks on your skin
- convenient for long-term usage

Size: 12,5 mm x 10 m (2 pcs. in a package), 38 mm x10 m

#### **CHALK BAGS**

# **CHALK BAG MOUNTAINS**



- C3004CC00 coral C3004AA00 - blue C3004YY00 - yellow C3004RR00 - red C3004TT00 - grey
- soft and pleasant to touch outer fabric. Fleece lining inside.
- dustproof closing system
- brush holder loop and double loops for the belt or accessory cord attachment

Colors

coral, blue, yellow, red, grey



### CHALK BAG LARGE



C3003RR04 - coral C3003YY04 - yellow C3003SS04 - grey C3003TT04 - dark grey C0002BBX4 - black

- made from polyester and polyamide material.
- inside fleece material provides continuous circulation of magnesium and so its high usage
- prompt closing system and braced welt provide an easy handling of the chalk bag

Colors: coral, yellow, grey, dark grey, black

### **CHALK BAG COMIC**







C3002XX00 – yellow C3002AA00 – blue C3002SS00 – grey

# A large chalk bag with ergonomic shape and unique printing design.

- ergonomic shape and enough volume for chalking of the whole hand.
- soft and pleasant to touch corduroy outer fabric. Fleece lining inside.
- · dustproof closing system.
- wide elastic brush holder for more comfort when cleaning holds.
- double loops for stable attachment to the waist belt.

# **CHALK BAG ROCKET**

#### **NEW**



A large chalk bag with ergonomic shape and enough volume for chalking of the whole hand.

- soft and pleasant fleece lining inside
- dust proof closing system
- wide elastic brush holder for easy brush placement

C309

 double loops for stable attachment to the waist bel

# BELT FOR CHALK BAG



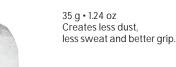
Adjustable belt with a quick release buckle

**HARNESSES** 

Magnum is perfect grade natural chalk specifically designed for climbing and all rock activites. Great for absorbing moisture and creating friction between fingers & palms and stone.

# **MAGNUM BALL**

M3001WO35



# MAGNUM BALL TWINS

M3001XO70T



2 × 35 g • 2 × 1.24 oz Creates less dust, less sweat and better grip.

# MAGNUM BALL REFILL

M3001WO35R



refill 35 g • 1.24 oz Creates less dust, less sweat and better grip. This ball allows refilling.

# **MAGNUM CUBE**

M3001X056



56 g • 1.98 oz

# MAGNUM CRUNCH BAG

M3001X30P



300 g • 10.58 oz For maximum sweat absorption and friction.

# MAGNUM CRUNCH DOSE

M3001W10C



100 g • 3.53 oz For maximum sweat absorption and friction. This box allows refilling.

# MAGNUM LIQUID CHALK, TUBE

M3002W150



150 ml Quick-drying chalk for maximum sweat absorption and friction. Creates less dust, less sweat and better grip.

# MAGNUM LIQUID CHALK, BAG

M3002W010



10 ml Quick-drying chalk for maximum sweat absorption and friction. Creates less dust, less sweat and better grip ROCKING 40 C0086BX40

### **NEW**





# Crag climbing backpack with top and back panel easy access to the main compartment and lots of cool features.

- large top and back panel easy access to the main compartment equipped with YKK zippers
- ergonomic and comfortable shoulder straps and back panel
- · adjustable sternum strap
- simple hip belt is possible to hide inside the side pockets
- · spacious zippered top pocket for your essentials
- zippered inside pocket with the key clip secures your keys, wallet and other small items
- two internal gear loops and internal pocket for the rope tarp, climbing shoes or other equipment
- 120 × 140 cm rope tarp with the Partner Check info graphic and different color of the loops for easy rope ends identification
- zippered side pocket for quick access to a guide book, water bottle or other essentials
- helmet attachment on the lid or on the front part using the flexible net
- rope attachment on the lid using the rope fixing straps (the straps can be easily hidden inside the lid)
- "daisy chain" loops to secure gear outside the backpack
- with the loops and a bungee cord you can attach additional gear like a sleeping mat and the like (a bungee cord is not included)
- reinforced carrying handles on the top part enable easy manipulation with the backpack
- super durable nylon fabric with foam padding on the bottom and front panel ensures a long lifetime and protects your gear

Weight: 1190 g • 42 oz Material: PES, PAD, plastics

Volume: 40 litres

### **ROCKSTAR 28**

C0085BX28

#### **NEW**





# Urban style shoulder bag with a removable rope tarp for gym climbing or bouldering.

- main compartment suitable for a 70m rope and other climbing gear
- easy adjustment by a closure system with light alloy buckles
- fully adjustable shoulder strap with comfortable padding
- · durable handle for easy carrying in hand
- two side pockets for small items (one with a Velcro, the other one open)
- · slots for a toothbrush and other equipment
- · zippered pocket with a key clip for your essentials
- $\bullet$  removable rope tarp with dimensions 135  $\times$  150 cm
- two handles in the corners of the tarp for fast storage of a rope into the bag, different color of the loops for easy rope ends identification
- · two internal handles for easy carrying of the opened bag
- reinforced bottom, sides and back part for longer lifetime and comfortable wearing of the bag

Weight: 845 g • 29.8 oz Material: PES, PAD, light alloy

Volume: 28 litres

HARNESSES

# ACCESSORIES

### **GEAR BAG**

#### **NEW**



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

Colors: yellow, red and black Capacity: 35 and 50 litres Material: PVC

Weight: 700 g • 24.7 oz - 35 I version

\$9000YY35 35 | yellow \$9000RR35 35 | red \$9000BB35 35 | black \$9000YY50 50 | yellow \$9000RR50 50 | red \$9000BB50 50 | black

### **CANYON BAG**

S9002YX30

#### **NEW**



# Durable backpack intended mainly for aquatic caves and canyoning. It provides great carrying comfort and water drainage.

- · fast opening/closing with a durable toggle
- padded shoulder straps and an adjustable sternum strap
- emergency buckles on the shoulder straps for quick unfastening
- 2 side moulded handles and 1 handle on the back
- · inside mesh pocket
- two metal D-rings inside to fasten rope ends
- inside pocket with a back plastic reinforcement which can be used as emergency fracture fixation
- · reflective stripes for increased visibility
- excellent water drainage through drain holes in the bottom and sides
- · bottom reinforcement for additional durability

Weight: 1345 g • 47.5 oz Material: PVC, PES Volume: 30 litres

# DRY BAG

40 I - S9001YX40 60 I - S9001BX60

#### NEW



# 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 [40 I] Material: PVC, PE Volume: 40 or 60 litres

# **EXPEDITION BAG TARP DUFFLE**





Made from a durable laminate material, the TARP DUFFLE is almost indestructable bag. Resilient enough to be roughed up in-flight or to be transported up a mountain via a yak or off-road, this is one burly duffel bag. For trips lasting longer, grab the 120 litters size to have enough room for your climbing gear.

- · alpine-cut shoulder straps
- · dual daisy chains to attach your gear
- · Twin haul handles at the ends
- rugged construction with extra bartacks and double stitching
- four compression straps
- internal mesh pockets and pocket on top for your small items
- 120 I version with side opening

Weight:

1820 g • 4 lb (70 l)

2270 g • 5 lb (90 l)

2720 g • 6 lb (120 l)

Dimension:

59 x 35 x 34 cm (70 l)

69 x 40 x 33 cm (90 l)

85 x 42 x 38 cm (120 l)

C0046BB70 70 litres C0046BB90 90 litres C0046B120 120 litres

### **MOVEMENT BAG**

C0073BY00



# Resistant traveling bag with 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 Color: black

Weight: 4600 g • 10.1 lb Dimension: 77 x 39 x 38 cm • 30.3 x 15.4 x 15.0 in Material: PVC

Material: PVC Capacity: 110 litres Max. load: 23 kg

**HARNESSES** 

ACCESSORIES

# **CARRY 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

Color: yellow/black Dimension: 30x40(58) cm Max. load: 28 kg Capacity: 28 + 10 l Material: PVC

### ROPE BAG





- · With removable sheet
- Dimension of sheet is 137 x 137 cm
- Hidden pocket for keys and money
- Shoulder straps are well padded
- · Abrasion resistant material
- Keeps your rope and gear clean
- Extends a lifetime of your rack and rope

  Printly as less to be a second of the s
- Brightly color loops to keep your rope untangled Weight: 620 g (±15 g) 21.87 oz Color: black

# **MONTY BAG**

W1023



# Bag for your gear and documents adjustable shoulder strap

- made of high resistant and durable fabric POLYMAR
- washable
- durable material
- · colors: grey, yellow, red



POUCH C0072BB00



#### General purpose pouch.

- · closing with strong velcro
- secure attachement loop to attach it to a belt or harness
- · strong abrasion resistant nylon fabric

dimension: 10 x 6 x 11 cm (4 x 2.4 x 4 in) weight: 42 g • 1.48 oz

### FIRST AID BAG

C0053RW



#### (without the content)

#### Compact and light first aid bag for mini-malists.

- 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

# FIRST AID BAG

C0053RW



#### (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 • 6.67 oz

### **FALCONER FULL**

C0012YB



# Lightweight gloves featuring great grip, dexterity and disability.

- 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 388, EN 420

# FALCONER TACTICAL

C0013YB



# Lightweight gloves with top of forefinger, thumb and middle finger removed making manipulation of metal-work 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 388, EN 420

### FALCONER 3/4

C0014YB



# Lightweight gloves with removed tops of fingers removed 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 388, EN 420

### **GRIPPY**

C0006BH



Made out of quality leather. Reinforced palm area. Closed fingers. Abrasion resistant. Easy to put on thanks to special loop.

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. Intended for via ferrata and big wall climbing. Tested in Yosemity! Free ends of your fingers does not affect your sensibility and fine manipulation with your gear. Easy to put on thanks to special loop.

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



CRAGGY C0082YB



# Gloves providing hand protection against the scratching during crack climbing.

- gloves don't restrain the wrist movement and don't crush the arteries on the wrist
- elastic rubber bands do not cut between the fingers.
- · double elastic band for a little finger for greater durability
- thumb hole in the leather provides greater comfort and grip when climbing
- high quality rubber on upper part provides increased friction during use
- comfortable artificial stretch leather allows maximum sensitivity during climbing
- rubber pocket for velcro closure protects against the scratching and breaking
- · very effective hand protection for demanding climbing

Weight: 52 g (size M) • 1.83 oz. Size: S, M, L, XL

Material: artificial leather, rubber, PES, PVC

# **ANKLE PROTECTOR**

C0083YB



# Light ankle protector against scratching the ankle while climbing in low climbing shoes.

- comfortable and simple dressing with velcro closure
- rear elastic rubber band does not cut on the tendons when moving
- comfortable artificial stretch leather providing light protection against scratching the ankle
- the rubber band for fixation on the leg allows the freedom of movement when climbing
- · lace webbing for greater durability

Weight: 38 g • 1.34 oz.

Size: UNI

Material: artificial leather, PES, PVC





# T-SHIRT BLUE CRACK



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: 95% cotton, 5% polyester

# **POLO T-SHIRT**

W9802BY



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

The polo features a regular collar and short sleeves with a three button placket for a comfortable fit. The top is finished with split sides and an

placket for a comfortable fit. The top is finished with split sides and an embroidered Singing Rock logo for an instantly recognisable branded look.

- · mens polo shirt with short sleeves
- regular collar
- Singing Rock branding
- machine washable
   Styles UNIsses

Style: UNIsex Size: S, M, L, XL

Material: 100 % pique cotton

# T-SHIRTS BACKBONE

man C1013BB woman C1014BB



T-shirts – made of 100 % cotton, short sleeves, classic round collar men/women The T-shirts SINGING ROCK are very comfortable to wear. size: S – XL weight: 185 g/m2

HOODY C1018BY



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

# **HOODY FULL ZIP**



# 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



HARNESSES

# **SNAP BACK HAT**

C0074BY00



Cool Singing Rock cap for your head.

- flat bill
- "singing rock" and the embroidered SR arrow on the front "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**



- · made from breathable, warm, soft and lightweight microfibre polyester fabric
- · keeps your had warm and dry during vertical activities
- · fits very well under the helmet
- · suitable also for running, skiing, biking and other outdoor activities

Size: S-M (49-53 cm) L-XL (54-58 cm) Material: 100 % Polyester C0053RX BEANIE REDHOT C0053AX BEANIE AZURE C0053OX BEANIE ORANGE C0054BX BEANIE LOGOS C0055BX BEANIE BLACKARROW

### **SCARF**



#### 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

C0079BX00 - BLACK ARROW

C0080BX00 - LOGOS

C0081AX00 - AZURE

C0081RX00 - REDHOT

### **BEANIE HAT**



#### A Wool/acrylic mix of beanies, featuring a double layered headband and embroidered design.

· fleece double layered headband for colder conditions Size: UNI

Material: wool, acrylic

C0069BG00 - NANUK BLUE C0067BS00 - ARROW

C0069PB00 - NANUK PURPLE



#### 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  $\cdot$  2.9 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

# **RESCUE KNIFE**

A003OY



### 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: 196 g • 6.9 oz



HARNESSES

ACCESSORIES

# **BELT FOR TROUSERS**

C9091XX



With Rock&Lock smart buckle.
This buckle is used on almost every harness from SINGING ROCK production.
Size: M/L, XL
Width: 20 mm
Color: various colors
Do not use for climbing or work at heights!

# SPEED BELT

black C9092BX various colors C9092XX



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

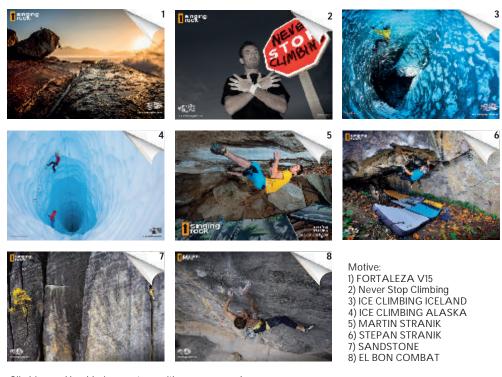
# **ARROW**

ARROW MUSCLE P0017YY ARROW SLOPER P0018YY



Climbing holds for your climbing and bouldering gyms. Perfect for creating medium to difficult routes. Size:  $Arrow\ Muscle-S,M,L$ 

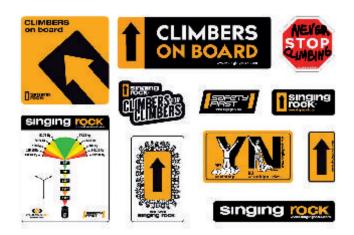
Arrow Muscle – S, M, L Arrow Sloper – L, XL Material: PES POSTERS P0027CX00



Climbing and bouldering posters with our sponsored athletes. Size  $690\ x\ 480\ mm$ 

# SINGING ROCK STICKERS

P0025XX00



Various stickers with Singing Rock logo with back side adhesive.

HARNESSES

**BEACH FLAG** P0021



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

**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

#### ATTENTION:

Price and minimum quantity of all promotional products are on request.

MUG

P0012BB00

# **PITCHER**

0.5 I P0010X050 0.3 I P0010X030



Classic beer pitcher 0.5 l or 0.3 l for all who likes climbing and all activities on our vertical playground.

Thermo cup with sturdy handle keeps your coffee or

Capacity: 400 ml • 14.8 fl oz Weight: 250 g • 8,8 oz

### **WRISTBAND**

P0024XX00

# **KEY HOLDER**

P99100X



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







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

# QUICKDRAW COVER

P0016BB00

# TEXTILE BADGE 10x4 cm P0031XX01 15x6 cm P0031XX02



Antislippery cover to increase the logo visibility. Great for all photographers.

Fits for the quickdraw with the width of the sling 16 - 20 mm

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

BAG P0026XX00 NOTEPAD A5 P0030XX00



Eco-friendly plastic bag. This degradable bag contains the special additives which help the bag to break down into natural compounds when disposed. Dimensions:  $39 \times 46 \text{ cm}$ 



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

### SINGING ROCK PEN

P0022XX00



Ballpoint pen for everyday writing.

# **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

# CONDOM SAFETY FIRST

P0023XX00



Comes in handy for your rest days. Size: UNI 1023

#### ATTENTION:

Price and minimum quantity of all promotional products are on request.

### **PICTOGRAMS**



#### BMI - the adjusting system

Revolutionary size adjusting system by SINGING ROCK. You can easily adjust free end of your waistbelt padding and fix it in the right position and minimize so called "sticking out" of padding incl. the first gear loop in the line. Suitable for situation as losing or putting on your weight, putting more clothers or changing of your climbing seasons. The best position is when the buckle is on the padding and BMI system doesn't allow the gear loops to get out of the right position.



#### CE - symbol of compliance

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



#### InterCore

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.



#### Lady fit

Specially designed products for women.



#### 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



#### Rock&Lock

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



#### 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.



#### 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.



#### 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.



#### 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.



#### Teflon

Ropes protected with a DuPont<sup>TM</sup> Teflon® fabric protector have extraordinary water and abrasion resistance.



#### **UIAA**

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



#### **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 absorbe around 50% of water in this test, and ropes labelled as "dry" but lacking adequate treatments can absorb between 20% and 40% of water.

# **MATERIALS & TECHNOLOGIES**

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.

> Lightweight, soft, and warm, with a wool-like feel fabrics or yarn. Strong and warm, acrylic fiber is often used for sweaters and tracksuits and as linings for boots and gloves, as well as in furnishing fabrics and carpets. It is manufactured as a

filament, then cut into short staple lengths similar to wool hairs, and spun into yarn.

**Anodizina** 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.

Acryl

Fleece

G10 fiber

Kevlar

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.

Chromoly steel Low alloy steel that gets its name from a combination of the words "chromium" and "molybdenum". Chromoly steel is often used when more strength is required than that of mild carbon steel, though it often comes at an increase in cost.

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 Synthetic polyether-polyurea copolymer known for its exceptional elasticity. It is stronger and (Spandex) 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.

Ethylene-vinyl Copolymer of ethylene and vinyl acetate. The material has good clarity and gloss, low-temperature toughness, stresscrack resistance, hot-melt adhesive waterproof properties, and resistance to UV radiation.

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. 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 windproof and does not absorb moisture.

It is readily generates static electricity.

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.

Hardened steel Medium or high carbon steel that has been given heat treatment and then quenching followed by tempering.

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

Manufacturing process for producing parts by injecting material into a mould. Material for the part is fed into a heated Injection barrel, mixed, and forced into a mould cavity, where it cools and hardens to the configuration of the cavity.

Kernmantle Rope constructed with its interior core protected by a woven exterior sheath designed to optimize strength, durability, and rope flexibility. The core fibers provide the tensile strength of the rope, while the sheath protects the core from abrasion during use.

Keylar is the registered trademark for a para-aramid synthetic fiber. Keylar has many applications, ranging from bicycle tires and racing sails to body armor, because of its high tensile strength-to-weight ratio; 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 made 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.



### MATERIALS & TECHNOLOGIES

Plastex Material made of polyester with PVC cover

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 lear-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 polyester fibers, yarns and ropes are used in car tire reinforcements, fabrics for conveyor belts, safety belts, coated fabrics and plastic reinforcements with highenergy 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 transfers can therefore be printed on this material)

Polyethylene

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 polyurethane 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 various types, laboratory equipment, loudspeakers, automotive components, transvaginal mesh 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 and 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.

Spandex see Elastane

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

 $Synthetic \, material \, made \, by \, Invista \, and \, used \, as \, an \, insulator. \, The \, performance \, fibers \, are \, engineered \, with \, a \, differentiated \, fiber \, shape, \, able \, to \, produce \, battings \, with \, sought-after \, lightweight \, warmth.$ 

Thermotransfer

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.

Ultrasonic finishing

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.

tinishing Velcro

Registered trademark for a hook-and-loop fastener, which consists of two components: typically, two lineal fabric strips (or, alternatively, round "dots" or squares) which are attached (sewn or otherwise adhered) to the opposing surfaces to

be fastened

Zinc plating

Prevents oxidation of the protected metal by forming a barrier and by acting as a sacrificial anode if this barrier is damaged.

# **STANDARDS**

The list of selected EN standards for mountaineering equipment and personal protective equipment (PPE) against falls from a height which our products fullfil.



#### EN 354

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



#### EN 958

Mountaineering equipment Energy absorbing systems for use in via ferrata (klettersteig) climbing



#### EN 361

PPE against falls from a height. Full body harnesses.



#### EN 959

Mountaineering equipment

- Rock anchors



#### EN 362

PPE against falls from a height. Connectors.



#### EN 1891

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



#### EN 388

Protection gloves against mechanical risks



#### EN 12275

Mountaineering equipment

Connectors



#### EN 564

Mountaineering equipment – Accessory cords



#### EN 12277

Mountaineering equipment
- Harnesses



#### **EN 566**

Mountaineering equipment – Slings



#### EN 12278

Mountaineering equipment. Pulleys.



#### EN 567

Mountaineering equipment. Rope clamps.



#### EN 12492

Mountaineering equipment – Helmets for mountaineers



#### EN 569

Mountaineering equipment - Pitons



#### EN 12841

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



### EN 813

PPE against falls from a height. Sit harnesses.



### EN 13089

Mountaineering equipment - Ice tools



#### EN 892

Mountaineering equipment. Dynamic (strech) ropes.



#### EN 1515

Mountaineering equipment – Braking devices



#### EIN 893

Mountaineering equipment - Crampons



# **PRODUCT NAMES**

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 ROPES

# **PRODUCT NAMES**

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#### SINGING ROCK IS CLIMBING

has its spirit as a company
where climbing equipment is
produced by Climbers for Climbers.
Our company is located in Czech Republic near Krkonoše National Park and Bohemian Paradise where are situated the amazing

and unique sand stone rock climbing areas.

Most of our staff are climbers, alpinists or backcountry skiers. "Crazy cools" with ice axes, haul bags, skis and crampons. Most of us took our first steps within the sand stone labyrinths of Bohemian Paradise or hard granite of the Jizera Mountains. Some of us later on continued to the higher mountains or have specialized on sport climbing or bouldering.

The Singing Rock Climbing Team with our world class athletes help us to test, improve and develope new functional as well as a high quality climbing equipment. Fellipe Camargo, Carlos Logro o, Martin Stranik Lucie Hrozová, Czech UIAGM Mountain guides and others help us to test and improve every product which is coming out of our factory.

SINGING ROCK is climbing and we are committed to bring you high quality and highly-functional equipment with minimal impact on the environment.

SINGING ROCK TEAM





### Warning:

Activities at height such as climbing, via ferrata, caving, rappelling, ski-touring, rescue, work at height 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 apprenticeship 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.

