



**ROCK
PILLARS**
ENGINEERED FOR CLIMBING

» WORKBOOK 2013

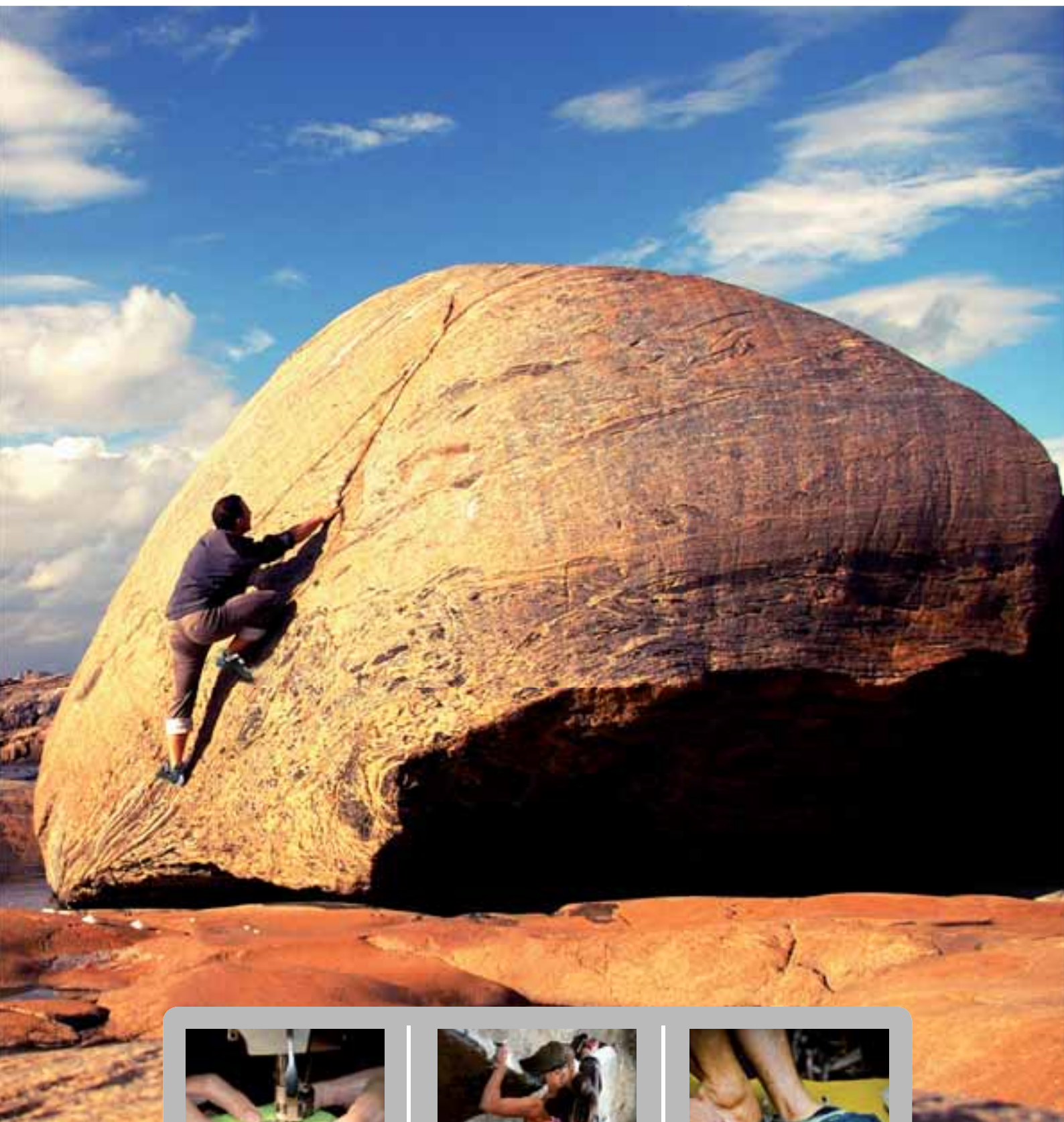


ocùn[®]
colchicum autumnale

ENGINEERED FOR CLIMBING

► **ROCKPILLARS CLIMBING SHOES** enable the climbers to make their performance better, to maintain motivation, and to experience climbing at its best. The story has begun in Siberia. Rock Pillars was founded in late 80-ies. Few years later was Evgeniy Ovtchinnikov 3rd in the World Cup competing in Rock Pillars. At this time, Pavel Hendrych, Czech engineer and industrial designer has joined. Together with Evgeniy and other climbers, they have created shoes conforming needs of sport climbers. Rock Pillars are being created in atmosphere of high technology and deep user knowledge. Rock Pillars never stop bringing new technological solutions, lasts and rubber compounds. Thanks to precise construction and used materials Rock Pillars breaks the barrier in climbing, and sponsored climbers are the creative base for new solutions. Company producing also climbing equipment Ocún has its own manufacturing facilities in the Czech Republic. Today has around 100 dedicated employees and sells in 44 countries worldwide.





We produce Rock Pillars climbing shoes in our own manufacturing facilities in the Czech Republic.



When developing the Rock Pillars climbing shoes, we intensively cooperate with a stable test climber team. We combine our specialized technology and know-how with deep user knowledge.



Rock Pillars climbing shoes enable the climbers to make their performance better, keep the climbers motivated and to experience the best climbing.

CLIMBING SHOES

DIAMOND

Art. 00598



Aggressive climbing shoes for competition and sport climbers. Compared with the previous version of this model, a softer midsole and upper materials are being used, which brings even better fit. Important features of Diamond are validated by the tiniest footholds, edges, and holes, they make the crux workable. The upper is made of combination of natural and synthetic leather. This complex mixture – elastic and breathable at once – reaches ideal enlacement of the foot. Asymmetric lacing system makes the perfect fixation of the foot inside the shoe and brings focused power to the tip-toe while keeping great deal of sensibility. Seamless heel has a great comfort. Vibram XS Grip sole gives great friction.

BEST FOR

bouldering, rock climbing, overhangs, edges, pockets, heelhooks

Upper: combined microfiber synthetic and natural leather

Color: blue / light grey

Lining: semi-lined, polyester lining in front part

Last: Excentric – very bent last, extremely asymmetric

Midsole: Suflex 0.9 mm – 3D Fit

Sole: Vibram XS Grip, 4 mm

Weight: 472 g (7 UK)

Sizes: 3–13 UK



DIAMOND in detail



Asymmetric lacing system makes the perfect fixation of the foot inside the shoe and brings focused power to the tip-toe.



Softer midsole and upper materials bring even better fit.



Seamless heel fits perfectly.

OZONE QC

Art. 00599

Ozone QC are asymmetric, anatomically shaped climbing shoes, sophisticated weapon for competition and sport climbers, the climbing shoe, which shortly after its launch has seen tremendous success and positive feedback from users. Also, the test results of well-known climbing periodicals confirm functionality of the shoe. Ozone QC are surprisingly precise on the tiniest footholds, edges and holes. Ozone QC sets a new trend and breaks barriers in climbing. Unique patented 3-Force system provides fixation of the forefoot by reacting against force vector by which the climbing shoes are naturally twisted from the foothold. Vibram XS Grip sole provides excellent friction. Well-designed heel part fits perfectly. The younger generation of the model has substantially improved anatomical shape and features of the midsole.



BEST FOR

bouldering, rock climbing, extreme sport climbing, competitions, overhangs, pockets, edges, toehooks, heelhooks

Upper: microfiber synthetic leather

Color: green

Lining: Polyester

Last: Asymmetrix – slightly bent, very asymmetric

Midsole: Suflex 1.1 mm, 1.4 mm – 3D Fit

Sole: Vibram XS Grip, 4 mm

Weight: 454 g (7 UK)

Sizes: 3–13 UK



OZONE SLIPPER

Art. 00600

Slipper version of Ozone QC climbing shoes. Ozone Slipper are asymmetric, anatomically shaped climbing shoes, which are winning their popularity not just because of the attractive green color. Unique patented 3-Force system provides perfect stability on the tiniest footholds and edges. Shape of Asymmetrix last and well-designed cut are the bases of this „hi-tech“ climbing shoe. Vibram XS Grip sole bites uncompromisingly any type of rock. The upper part, thanks to its stretchy effect, wraps closely the insole part of any foottype. Thanks to unique patented 3-Force system, the shoe works properly, fits perfectly and does not rotate around the shoe even after many hours of climbing. Ozone Slipper can be used in routes, where it was not possible to use any kind of slipper before.



Upper: microfiber synthetic leather

Color: green

Lining: Polyester

Last: Asymmetrix – slightly bent, very asymmetric

Midsole: Suflex 0.9 mm, 1.1 mm – 3D Fit

Sole: Vibram XS Grip, 4 mm

Weight: 420 g (7 UK)

Sizes: 3–13 UK



BEST FOR

bouldering, rock climbing, extreme sport climbing, competitions, overhangs, pockets, edges, toehooks, heelhooks

CLIMBING SHOES

TOP GUN LU

Art. 00601

The weapon for cruising the hardest sport routes. Its qualities are much appreciated by boulderists. The main objective of this shoe construction was the best performance. Use of top-quality materials (including Vibram XS Grip sole), which reflect in every part of the shoe, is matter of course. The rubber covered toe is designed for maximizing toe hooking and jamming when the going gets steep. The precision toe turns the tiniest footholds into a stairway, and the heelcup grips the heel for maximum pulling. Sensible textile lining and Vibram sole underline integrity of this shoe as a tool for most demanding climbers.



BEST FOR

bouldering, rock climbing, sport climbing, competitions, cracks, edges, heelhooks, toehooks

Upper: microfiber synthetic leather

Color: black

Last: Optimal – slightly bent with medium asymmetry, with enough space for all types of toes

Midssole: Suflex 1.1 mm, 1.4 mm

Sole: Vibram XS Grip, 4 mm

Weight: 438 g (7 UK)

Sizes: 3–13 UK



TOP GUN QC

Art. 00595

On the concept of Top Gun LU, also this QC version is based, with the main idea to create a sport climbing shoe which can still be very comfortable. These conflicting requirements Rock Pillars brilliantly solved by the last shape, well-designed construction and precise cut. Top Gun QC can be used for wide range of climbing activities – on slabs, overhangs, indoor training and also for multi pitches. Stiff midssole makes it possible on micro footholds. Practical rubber foil covering the front part, enables toe hooking in its best. Sticky Vibram XS Grip works unfaillingly on any kind of rock.



BEST FOR

bouldering, rock climbing, sport climbing, competitions, cracks, edges, heelhooks, toehooks

Upper: microfiber synthetic leather

Color: black

Last: Optimal – slightly bent with medium asymmetry, with enough space for all types of toes

Midssole: Suflex 1.1 mm, 1.4 mm

Sole: Vibram XS Grip, 4 mm

Weight: 454 g (7 UK)

Sizes: 3–13 UK



PEARL LADY QC

Art. 02428

This purely female model is constructed to fit to anatomical specifications of lady feet. We have concentrated on comfort, functionality, and also design. It is performance model from synthetic leather which is very comfortable. Due to its construction the climbing shoes are precise and stable. Sole Grippin EDGE is superior on edges and tiny footholds. Down-toed front is suitable to overhangs and small pockets. Practical quick closure system make the shoes even more suitable for bouldering and short sport routes. For the season 2013, the model is getting new turquoise color, the hot-print design in the front area even underlines the „lady“ style of the climbing shoe.



BEST FOR

rock climbing, sport climbing, edges, holes, bouldering

Upper: microfiber synthetic leather

Color: turquoise

Lining: Polyester

Last: Radical – radically shaped front, medium asymmetry

Midssole: Suflex 1.1 mm, 1.4 mm

Sole: Grippin EDGE, 4 mm

Weight: 410 g (7 UK)

Sizes: 3–8 UK



GRIPPIN

PEARL LU

Art. 00594

Pearl LU is now legendary, super-lightweight shoe for sport climbing, made of high-quality synthetic leather on microfibre basis, lined with comfortable polyester fabric. Grippin EDGE sole gives great support on overhangs, allows the climber to stand well on tiny edges and small pockets. The special cut gives the right stiffness, yet maintains excellent sensitivity of the shoe. Quick closure system, the lined airy tongue and the raised heel make this climbing shoe comfortable. With its asymmetrical "Radical" shape, the downward pointing toe, and tight heel, the Pearl LU gives confidence and makes it possible to concentrate on maximizing performance.



BEST FOR

rock climbing, sport routes, competitions, multi-pitch, edges

Upper: microfiber synthetic leather

Color: light grey

Lining: Polyester

Last: Radical – radically shaped front, medium asymmetry

Midssole: Suflex 1.1mm, 1.4 mm

Sole: Grippin EDGE, 4 mm

Weight: 390 g (7 UK)

Sizes: 3–13 UK



GRIPPIN

CLIMBING SHOES

REBEL LU

Art. 02429

Development of this new model was based on the experience we gained on Ozones. The shoes are built on latest Asymmetrix last. Front part supports the toes by anatomically shaped midsole, heel fits perfectly. Relaxed forefoot can be precisely adjusted by lacing system, offering comfort to wider feet as well. Front rand-rubber system covers the big toe and the whole upper, preventing the damage. Sole is made of tested compound Grippin EDGE, back part of the sole is molded with attractive tyre design. This middle class model is aimed at wide spectrum of climbers, ranging from sport ambition to leisure use.



BEST FOR

bouldering, rock climbing, overhangs, edges, holes, toehooks, heelhooks

Upper: microfiber synthetic leather

Color: black / white

Lining: Polyester

Last: Asymmetrix – slightly bent, very asymmetric

Midsole: Suflex 1.1 mm, 1.4 mm – 3D Fit

Sole: Grippin EDGE, 4 mm

Weight: 438 g (7 UK)

Sizes: 3–13 UK



GRIPPIN EDGE

REBEL QC

Kletterer
PRESTIGE
06/12

Art. 02430

Quick closure variation of Rebel LU model which will be appreciated mainly by boulderers. The shoes contain the essence of Ozone QC – last, down-toed sole, fitting heel and more fine details. Opposite closures together with separated tongue make the on-off phase so easy. Metal rings with fortified strenght are integrated into the upper and thus secured from rock-surface damage. This middle class shoes are aimed at full range of climbers of all grades and styles.



BEST FOR

bouldering, rock climbing, overhangs, edges, holes, toehooks, heelhooks

Upper: microfiber synthetic leather

Color: black / white

Lining: Polyester

Last: Asymmetrix – slightly bent, very asymmetric

Midsole: Suflex 1.1 mm, 1.4 mm – 3D Fit

Sole: Grippin EDGE, 4 mm

Weight: 456 g (7 UK)

Sizes: 3–13 UK



GRIPPIN EDGE



CLIMBING SHOES

GHOST QC

new

Art. 02684

Absolutely new model among the Rock Pillars climbing shoes. Ghost QC is an all-round and very well-fitting climbing shoe, which advanced climbers as well as beginners will appreciate. In other words, all who are looking for comfortable, but still well working climbing shoe of economy class. Thanks to its flat and very slightly asymmetrical last, the shoe offers comfort to a wide range of foot types. The last Basic has been reworked to achieve even better fitting. Ghost QC is equipped with 2 pull-on loops, which make put on / take off easy. Quick closures in opposite direction tie the shoe on the foot easily and quickly. The heel on its side parts is protected by a rubber rand for superior heel hooking. On the sole, there has been used a quality rubber compound Grippin EDGE.



BEST FOR

indoor, rock climbing, multi pitch, slabs

Upper: natural leather

Color: green

Last: Basic – flat with slight asymmetry

Midsole: Suflex 1.4 mm

Sole: Grippin EDGE, 4 mm

Weight: 464 g (7 UK)

Sizes: 3–13 UK



GRIPPIN

ZEROCKS

Art. 00589

Zerocks are definitely one of the best all-around rock shoes on market. The use of Anatomic last provides sensitivity and brings precision while standing on very tiny footholds. This feature is also supported by synthetic micro fiber uppers which allow the user to get a comfortable, precise, tight fit. Raised heel part provides outstanding confidence for hard heel hooking. Sticking Grippin EDGE with excellent adhesivity underlines quality and hi-tech level of this sport climbing shoe.



BEST FOR

rock climbing, bouldering, multi-pitch, overhangs, pockets, edges, heelhooks

Upper: combined microfiber synthetic and natural leather

Color: orange / grey

Lining: semi-lined, polyester lining in front part

Last: Anatomic – medium bent, medium asymmetric

Midsole: Suflex 1.4 mm

Sole: Grippin EDGE, 4 mm

Weight: 432 g (7 UK)

Sizes: 3–13 UK



GRIPPIN

STRIKE LU

Art. 02431

Strike LU are comfortable and well fitting climbing shoes based on quality materials and precise construction. Rather flat last profile, soft padded tongue, relaxed heelpart and full lining are the grounds on which the comfort of this shoe stands. Combination of fully lined synthetic leather, basic last, and precise cut sets new standards in comfort of climbing shoe. Practical quick lace up system makes the start even easier. The result are climbing shoes having indoor gym durability, sport route preciseness and also multi-pitch usability. It is possible to climb and boulder all-day-long. Their features appreciate thousands of satisfied users.



BEST FOR

indoor climbing, rock climbing, multi-pitch, slabs

Upper: microfiber synthetic leather

Color: blue

Lining: Polyester

Last: Basic - flat with slight asymmetry

Midsole: Troniflex 1.5 mm

Sole: Grippin DURA, 4 mm

Weight: 406 g (7 UK)

Sizes: 3-13 UK



GRIPPIN ROCK-PIPPERS

STRIKE QC

Art. 02432

Strike QC are comfortable and well-fitting climbing shoes. Base for these shoes are quality materials and precise construction. Flat-type last, soft padded airy tongue, relaxed seamless heel and quick closure (QC) system strengthen their comfort and practicality. The result are climbing shoes purposed for both rock and gym climbing, which bring great value also in multi-pitch climbs. It is possible to climb and boulder all-day-long in them.



BEST FOR

indoor climbing, rock climbing, multi-pitch, slabs

Upper: microfiber synthetic leather

Color: blue

Lining: Polyester

Last: Basic - flat with slight asymmetry

Midsole: Troniflex 1.5 mm

Sole: Grippin DURA, 4 mm

Weight: 429 g (7 UK)

Sizes: 3-13 UK



GRIPPIN ROCK-PIPPERS

CLIMBING SHOES

CREST QC

new

Art. 02685

A universal and very comfortable climbing shoe, primarily intended for entry-level category. A slipper-type of the instep construction, with one quick closure, it makes quick put on / take off possible. The natural leather predetermines comfortable use. We focused on quality rubber covering, including the tiptoe part. Thanks to its flat and very slightly asymmetrical last, the shoe offers comfort to wide range of foot types. First and foremost, the beginners will appreciate the new model Crest QC, in which they will enjoy climbing their first hundreds of meters, due to its superior comfort.



BEST FOR

indoor, rock climbing

Upper: natural leather

Color: green

Last: Standard – flat with slight asymmetry

Midsole: Troniflex 1.5 mm

Sole: Grippin DURA, 4 mm

Weight: 420 g (7 UK)

Sizes: 4–9.5 UK



GRIPPIN DURA

RENTAL QC

Art. 02434

Comfortable climbing shoes constructed specially for gyms, renting purposes, and climbing courses. The sole rubber is pulled over the front edge. In this way, the most exposed part of the shoe is protected perfectly with a thick rubber layer. So in this part, 6mm of rubber is applied. This ensures incredible durability of the shoe and makes it almost undestroyable. On the back of the shoes, the UK size is clearly indicated. For easier handling, and stocking purposes, the shoes are equipped with buttons for joining the pair together.



BEST FOR

indoor climbing, renting purposes, climbing courses

Upper: microfiber synthetic leather

Color: blue

Lining: Polyester

Last: Basic – flat with slight asymmetry

Midsole: Suflex 1.4 mm

Sole: Grippin DURA, 4 mm

Weight: 480 g (7 UK)

Sizes: 3–13 UK



GRIPPIN DURA



HERO LU

Art. 02435

For those, who start very early, we developed HeroLU. This model will let the youngsters keep up with Mum and Dad, or whoever their climbing hero may be. The shoe was made with emphasis on the comfort of the child's foot. The fully lined microfiber leather and the elastic heel fit really well.



BEST FOR
children

Upper: microfiber synthetic leather

Color: green

Last: Baby - flat, slight asymmetry, correspond with orthopedic requirements of children shoes

Sole: Grippin DURA, 4 mm

Weight: 186 g (31)

Sizes: 27-35 EUR



GRIPPIN
ROCK PILLARS

HERO QC

Art. 02436

For little climbers, who don't know how to lace up yet, but love the freedom of climbing, there is this elegant model Hero QC with quick closure system.



BEST FOR
children

Upper: microfiber synthetic leather

Color: green

Last: Baby - flat, slight asymmetry, correspond with orthopedic requirements of children shoes

Sole: Grippin DURA, 4 mm

Weight: 172 g (31)

Sizes: 27-35 EUR



GRIPPIN
ROCK PILLARS

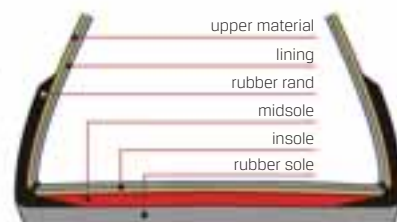




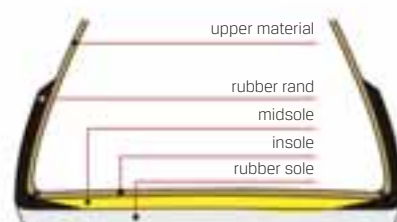
CLIMBING SHOE CONSTRUCTION



LINED UPPER



UNLINED UPPER



UPPER CONSTRUCTION MATERIALS AND LINING

The Rock Pillars climbing shoes are made either of natural leather or synthetic leather or a combination of both. Traditional material for climbing shoes upper production is split suede leather. It brings comfort and is enough hygienic and breathable. For reduction of elasticity and technological strengthening it is reinforced by cotton lining. Modern and technologically advanced material is its synthetic imitation from Polyester microfiber. This material has far better parameters of elasticity and dimensional stability. It gives the shoes partial elastic features. Also lining is customized to respect this elasticity and that is why is used the absorbent Polyester knit. In hygienic parameters synthetic materials are behind natural leather but this can be balanced by washing.

► Padded airy tongue

Airy tongue glued-up of three layers of permeable materials – absorbent lining, perforated foam and 3D Mesh knitted fabric – provides permanent ventilation of the shoe.

► Seamless heel

Since 1994, Rock Pillars has been using a special upper-cut construction, where no snip goes through the heel area, so it means that the heel is without any seams. Such a heel is much more comfortable compared to other shoe constructions (especially in case of climbing shoes which have pre-stressed heel-band and the heel is more pressed).

MIDSOLE

Midsole is very important component in the climbing shoe construction. The midsole gives stiffness of the shoe. It significantly affects constructional reinforcement and shape stability. According to used material, its thickness and manufacturing technology, the midsole gives to the shoes important features which define sensitivity and stability for climbing on edges. Modern technologies use thermo molding of flexible materials which have shape memory. These features significantly affect efficiency in climbing. Rock Pillars use 3D Fit system.

► 3D Fit midsole

Construction of thermo-molded midsole of convex shape provides support for toes and constructional stiffness for a good transference of forces. It is made of thermo-active and flexible, shape-stable materials.

RANDS, RUBBER PATCH AND POWER DISTRIBUTION

Besides upper material features, its construction and last is composition of all rubber parts including sole one of the most essential factors which give the shoes final features. These parts are not only to cover and protect the upper from heavy use in rocks, they are also important construction point contributing largely to correct function of the climbing shoes – foot stability. Correct force

distribution based on foot anatomy knowledge and tension requirements of the construction used by specific climbing techniques, defined correct shape of rubber parts and main features of rubber. Handmade completion and correct pre-stress are unique alchemy of our craft. New patented 3-Force system is example of our never-ending effort in „engineered for climbing“.

► Tensioned heel-band

Pre-stressed heel band provides firmer fixation of the heel and adequate pressure in the toe direction. Optimum tension of this shoe part is constructively defined. Pre-stressed heel band is made of special DURARAND rubber, which has optimum parameters for transference of forces.

► Perforated heel

Thanks to the perforation, the heel part gets better shape-flexibility and higher friction for heel-climbing techniques. For these purposes, the heel part is made of very flexible, high-friction rubber STICKYRAND.

► Rubber patch for toe hooking

In the area of toe joints, especially big-toe area is the upper material protected by smaller piece of special rubber foil in thickness 0,9 mm. This rubber foil is produced from special sticky compound. This construction protects the climbing shoe upper and enables tip of the shoe to transfer forces better into toe-hooking in overhang or technically demanding routes.



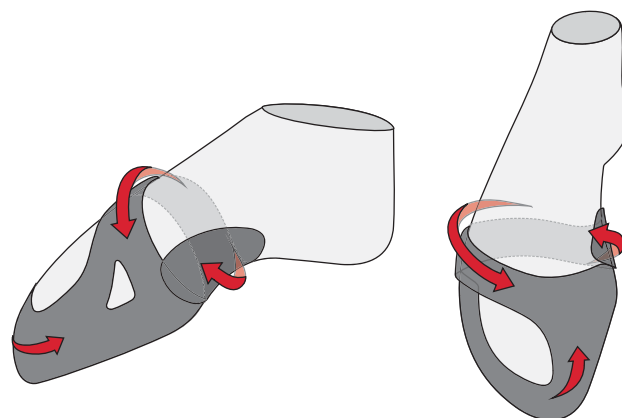
3-Force PATENTED SYSTEM

Original solution by Rock Pillars from 1994 enables to use rubber foil in the construction of front toe-box. It was improved by our new 3-Force system. 3-Force uses connection of 3 points which enabled controlled inner force distribution in order to maintain better torsion stability. Inner rand rubber in the place of big toe stabilizes standing on edge and protects the big toe while toe-hooking, it continues in periphery of toe-joints to outer edge. In this way it stabilizes this periphery and with slight tension it circuits inner foot arch where is in the space of big toe's joint fixed in a way of perforated ending tongue. This support softly this joint and prevents from horizontal movement from the tip-toe.



Final effect can be described as 3-Force patented system

- ▶ Stabilizes inner edge while standing on small edges by force contra-reaction from inner foot arch.
- ▶ Stabilizes front part of the slipper construction in the area of toe joints.
- ▶ Stabilizes big-toe position from horizontal movement from the tip-toe.



FRICITION THEORY AND CLIMBING FORCES TRANSFERENCE

Friction applies to two smooth parallel materials sliding against one another. Friction depends on the true contact area of the two objects. In climbing, there are several factors that have some impact on friction.

WEATHER

▶ **Temperature:** It affects physical parameters of the materials, the suitable conditions for best adhesion of rubber are temperatures between 5–15°C. Climbing shoe manufacturers design their shoe rubber to work best in a specific temperature range (0–5°C), below this temperature the rubber is harder and won't mould well to the shape of the rock and above this the rubber will be too soft and will deform too easily. This is why climbing shoes work best in the cold.

▶ **Humidity:** Air humidity as well as humidity inside of the rock reduces rubber adhesion.

ROCK

▶ **Slopes:** Coefficient of friction is dependant on the angle of rock slope and that is why smaller rock slope secures higher friction.

▶ **Surface structures:** Structure and rock surface texture have direct effect on friction. On grain structure are important shape and sharpness of the grain. Fine and sharp texture makes best condition for friction, on the other hand rough and smooth texture is less popular then

in the contact place between rubber and rock will be less interfaced.

CLIMBER

▶ **Pressure:** Specific pressure caused by the climber on rock makes effectively the real interface between rubber and rock because this pressure causes rubber surface deformations which will increase the interface.

▶ **Surface area:** The bigger the standing interface area is, the bigger the friction is. Correct foot technique as well as balance feeling have great effect on friction.

SHOES

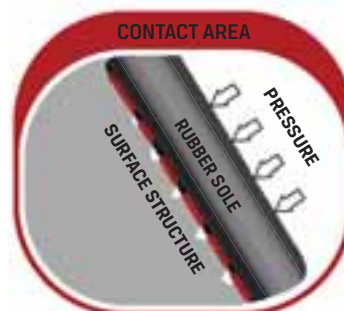
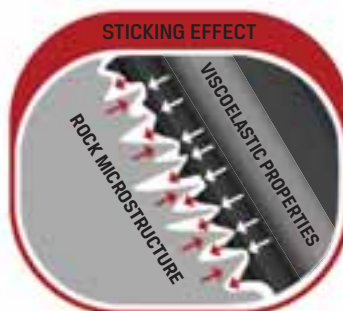
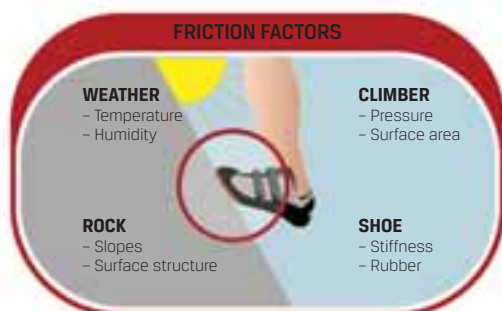
▶ **Stiffness:** If the rock climbing sole construction is enough soft to make best surround of the rock surface, the bigger the interface area will be. But certain constructional stiffness is required as the shoe must secure standing on the small edges where stability plays its role.

▶ **Rubber:** Climbing rubber with correct parameters is one big alchemy. Parameters are defined by various components. Rubber has to have correct hardness and

adhesion but mainly correct viscoelastic parameters which enable penetration of the rubber into rock structure. Softness allows rubber to mesh with rock and its rough surface. Rubber needs to be soft to allow it mould to the rock but if it's too soft the rubber will deform and slip. Softness of rubber also varies with temperature. Sticky rubber which gets easily penetrated by rock microstructure and is enough hard to transfer this enlarged interface area into friction, is the correct climbing rubber compound. And the rubber also determines resistance against wear which affects the lifetime of the shoe.

Development and parameters of rubber compounds are for the efficiency and sport results of climbing shoes same important as for Formula 1 cars. To maintain perfect force transference by friction during contact of climbing shoes with rock requires scientific research in the field of physical theory of friction and chemical development of new compounds. Rock Pillars has this development for more than 20 years. Science cannot be without real life and testing. We are working many years on constant improvement together with our specialized suppliers, such as Vibram and also laboratory developing compounds Grippin. For specialized rubber compounds which are used for climbing shoes, the physical features play always such a role for which the rubber is purposed.

FRICITION FACTORS





RUBBER SOLE



› VIBRAM XS GRIP

Is a proven rubber compound from VIBRAM®, it is used on our performance and extreme models range. It is working stable on edges, slabs and pockets, delivering maximum friction in all temperatures. Softer compound aimed mainly on extreme sport climbing on overhang rock where every bite counts.



› GRIPPIN EDGE

It was developed by our laboratory for maximum edging power, combination of friction and grip but still with great edging stability. Thanks to an improved resistance to plastic distortion, it keeps its shape even after hours of use. It was mixed for superior durability.



› GRIPPIN DURA

It was designed for extreme durability. This compound combines important features of friction, edging and stability. Due to balanced mixing of all we have come up with great rubber with universal features and long-lasting lifetime.

› DURARAND

Is special rand rubber compound for rands and pre-stresses bands used for climbing shoes construction. Resistance to wear – durability, and elastic features important for force distribution were the main criteria in development of this compound. Recommended for rands where durability and constructional distribution of forces are needed.

› STICKYRAND

Is special high-friction rubber compound with reduced stiffness which is suitable for special use on climbing shoes where sensitivity and friction play their main role. This compound is used on heels and toe-boxes – those parts which are used for hooking. It is recommended for upper and rand parts where sensitivity and friction are preferred.

LASTS AND ANATOMY

Last gives the climbing shoes shape and correct volume. Development of lasts and its molding is long-term evolution based on deep knowledge and new information synergy, which come with development of sport climbing. It is a precisely constructed climbing shoe what supports the foot to stand on the rock properly and helps to reduce the stress of sole muscles. Developers of climbing shoes have to be experts in foot anatomy because every typical foot shape needs a suitable shoe model. To connect anatomical features and capabilities of foot with climbing technique is a must which Rock Pillars fulfill for many years hand in hand with creation of new lasts. Also requirements of comfort and recreational climbing must be satisfied by our lasts. That is why we use nowadays 7 different lasts with different characters, which suit different feet and different performance requirements.



› EXCENTRIC

Very bent last with concave shape for support of pressed toes. It has extremely asymmetric shape with orientation on two front toes. Front is anatomically modeled for more stressed toes with enough space for all toes. Width of last is for normal to wide foot with anatomical medium heel. Last was constructed for peak performance in pre-stressed shoes.

Climbing shoes: Diamond



› OPTIMAL

Slightly bent last with medium asymmetry. Front is modeled for moderate stressed toes with enough space for all types of toes. Width of last is for normal to wide foot with large volume heel. This shape of last comes from study of majority foot shape with optimized parameters for performance climbing.

Climbing shoes: Top Gun LU, Top Gun QC



› ASYMMETRIC

Slightly bent last with radically shaped front, and concave shape for support of pressed toes. Very asymmetric shape with big-toe orientation. Front is anatomically modeled for more stressed toes. Width of last is for normal to wide foot with anatomical medium heel. Last was constructed for peak performance in over-hang routes.

Climbing shoes: Ozone QC, Ozone Slipper, Rebel LU, Rebel QC



› BASIC

New reworked version of the well known Rock Pillars last. It offers even more comfort in the front part and heel. Sensational fit for all who are looking for combination of performance and comfort.

Climbing shoes: Strike LU, Strike QC, Ghost QC, Rental QC



› RADICAL

Bent last with radically shaped front, medium asymmetric. Front is constructed for mode-rate stressed toes with enough space for all toes. The last is suitable for normal to narrow foot with small volume heel. Last comes from study of feet of skinny, bony archetypes which frequently appear in performance climbing.

Climbing shoes: Pearl LU, Pearl Lady QC



› STANDARD

A comfortable and universal last. Its shape is slightly asymmetric, but contains some features of a sport last. The big toe is oriented more to the inner edge. Width of the last is for normal to wide foot with medium large heel.

Climbing shoes: Crest QC



› ANATOMIC

Medium bent last, medium asymmetric, constructed for moderate stressed toes in the tiptoe. Shape of the last is very anatomical, coming from long-term studies of the foot anatomy. Best for normal width of the foot and medium sized heel.

Climbing shoes: Zerocks



› BABY

Flat last with slight asymmetry. Front is modeled for comfort of all toes while keeping technicality of shoes on high level. Width of last as well as heel correspond with orthopedic requirements of children shoes.

Climbing shoes: Hero LU, Hero QC

SIZES AND OPTIMAL FIT

Correct choice of last, resp. climbing shoe model is not the only parameter in choosing a climbing shoe. Everyone has unique foot and relevant volume. Size choice is then determined by toughness of construction and our performance requirements. Generally we can say that optimal size for performance climbing is smaller than recreational or multi-pitch size. While working with recommended size charts it is necessary to know your standard walking shoe size and size of the foot in mm.

Correct transfer of sizes between individual size systems and recommendation of climbing shoe sizes are never-ending topics for discussions. We have realized this fact from the very beginning and that is why we have chosen Mondo Point system from the beginning for Rock Pillars climbing shoes. Whole collection is produced on lasts which are sized in metric range. This has its great advantage as everybody has metric device, pen and paper and

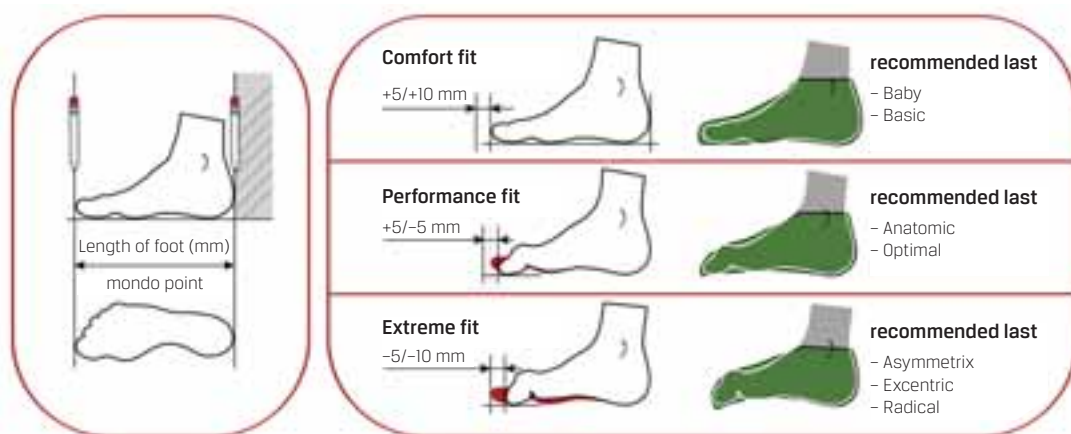
therefore easily figures out his/her foot-length. Length of the foot in mm is Mondo size. Standard marking of Rock Pillars climbing shoes than reflects sizes for PERFORMANCE FIT, meaning that sizes of lasts are already customized to performance climbing by which the bent position of big-toe is normal.

CORRECT PROCEDURE WHILE CHOOSING THE SIZE

1. Measure foot-length
2. Choose how tight it should be according to performance (Comfort, Performance, Extreme)
3. Make size correction according to recommended chart

• Example of how to choose Rock Pillars

Foot-length is 26,5 cm (alternative transfer to UK is $2+6+0,5-1 = 7,5$ UK) 265 mm or 7,5 UK is recommended size as per our chart (see chart) which will ensure Performance Fit by Rock Pillars climbing shoes. When you prefer more comfort which resembles Comfort Fit, choose climbing shoes 5 to 10 mm larger. This transfers to 0,5 UK, resp. 1,0 UK size. In our case 8 to 8,5 UK. This size corresponds to our regular walking or trekking shoes. In case you are looking for extreme difficulty and very short climbs, your choice of size will be 0,5 to 1,0 UK smaller. Thus 6,5 to 7 UK. Extreme Fit could be, especially in newly bought shoes, quite painful and in case of wide feet it is not suitable. Using this size also puts great demand on materials and could end in early damage or even tearing of the shoes.

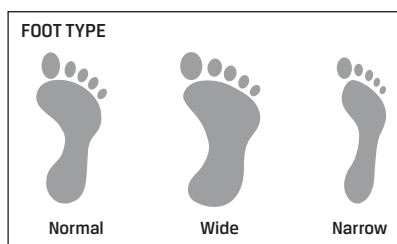
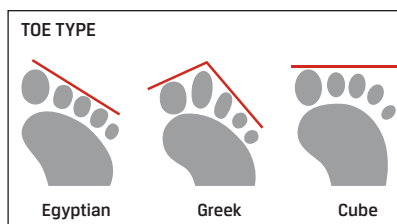


CONVERSION TABLE (all shoes are produced in metric scale)

mm	220	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295	300	305	310	315	320	325
UK	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2	9	9 1/2	10	10 1/2	11	11 1/2	12	13	14	15
EUR	35	36	37	37 1/2	38	38 1/2	39	40	41	41 1/2	42	42 1/2	43	44	45	45 1/2	46	46 1/2	47	48	49	50

TABLE WITH TOE- AND FOOT TYPES

Rock Pillars model	Last	Toe type			Foot type		
		Egyptian	Greek	Cube	Normal	Wide	Narrow
Diamond	Excentric	●	●	○	●	○	●
Ozone QC	Asymmetrix	●	○	○	●	○	●
Ozone Slipper	Asymmetrix	●	○	○	●	○	●
Top Gun LU	Optimal	●	●	●	●	●	○
Top Gun QC	Optimal	●	●	●	●	●	○
Pearl Lady QC	Radical	●	○	○	○	○	●
Pearl LU	Radical	●	●	○	●	○	●
Rebel LU	Asymmetrix	●	●	○	●	○	○
Rebel QC	Asymmetrix	●	●	○	●	○	○
Ghost QC	Basic	○	●	●	●	●	○
Zerocks	Anatomic	●	○	○	●	○	●
Strike LU	Basic	○	●	●	●	●	○
Strike QC	Basic	○	●	●	●	●	○
Crest QC	Standard	○	●	●	●	●	○
Rental QC	Basic	○	●	●	●	●	○
Hero LU	Baby	●	●	●	●	●	●
Hero QC	Baby	●	●	●	●	●	●



- Suitable
- Less suitable
- Unsuitable



CLIMBING ACTIVITIES

There are several different disciplines and every discipline has different requirements for functional qualities of the shoe.

› ROCK CLIMBING

In general, the quality of rock climbing shoe depends on its construction and rubber. Rock climbing offers quite a wide range of climbing terrains. There are slopers, holes, edges, slabs, and cracks and of course several kinds of rock with various difficulty. To make one universal shoe usable for rock climbing as such would not be possible without some compromise. That is why we produce several models also with different anatomic features. Some shoes may be better for holes, edges and the tiniest foot holds and some for slabs and friction.

› INDOOR CLIMBING

Qualities of a shoe for indoor climbing depend mostly on performance level of the climber himself. Beginners

need to have a comfortable shoe with the stress on its durability. It is not that simple to classify shoe for advanced climbers, there are many individual aspects to be taken into consideration. In principle, who wears climbing shoes just for one route, prefers quick closure system and can wear shoes very tight. Real sport climbers need extremely tight fit of the shoe and great stability on edges, small footholds are important for difficult competition routes.

› BOULDERING

In bouldering depends on millimeter stepping precision, body loading and balance in order to solve a bouldering problem. The shoe has to be very stable and sticky on the tiniest footholds, edges or slabs. The shoe must not twist from the foothold and needs

to have a tight fit with a great sensibility in the tip-toe. The climber needs also a shoe workable for heel- and toe-hooks. Only a perfect construction and high quality rubber make a real shoe for bouldering.

› MULTI-PITCH CLIMBING

The shoe suitable for multi-pitch climbing with several rope lengths should be comfortable, stable on holds and lace-up system is preferred. For more difficult routes, tight fit and edge-stable shoes are important. Then the tight fit with quick closure system is better, but climbers need to take the shoes off while staying on belay point. Those who want to compromise have to either lose some precision and choose more comfortable shoe or to stand some pain.

CLIMBING TECHNIQUES

As we already mentioned in the previous text, there are not only several different climbing disciplines, but also number of different climbing techniques, which requires a special footwork. Every climbing technique benefits from the specific features of a climbing shoe. Well done shoe is a mighty weapon for fighting gravity. With a right shoe, a climber has chance to push his limits further. In Rock Pillars product range, you find the right model for every purpose.

› POCKETS

In the smallest pockets, there is often only enough space for the tip-toes, sometimes the pressure can be increased by raising the heel. Shoes which are strongly asymmetrical, pre-tensioned and with downturned toe bring the best performance in pockets.

› EDGES

On edges the inner or the outer side of tip-toe is used to step onto the foothold. It would be unfavourable, when a soft shoe would twist around the foot and rotate from the foothold. A firm shoe with a stable midsole but sensible enough makes the transfer of energy much easier.

› SLABS

Slabs have minimum edges or any kind of small footholds, just subtle dents and waves. On slabs climbing, the heel is rather low and good movement in the ankle joint is needed. It is friction what makes it possible to keep the position of the foot. The climber stands on the rock with the whole front part of the sole. The right shoe for slabs climbing should have flexible midsole, good sticky rubber and must be sensitive enough.

› CRACKS

Wedging the foot sideways in the crack or jamming across the crack, this is the way to increase friction so that the shoe holds. Climbing cracks in too soft shoes hurts. Solid leather with lining and raised rubber rand increases durability of the shoe and improves its comfort.

› HEEL HOOKS

This kind of movement helps climber to pull himself over a steep piece of terrain like overhang, or to get balance or to take a rest. The heel can be hooked on ledges, pockets, around corners. Raised heel rubber protects the leather and adds the necessary friction, while a tensioned heel prevents the shoe from pulling off. The construction of the heel is important to make the heelhooks functional. There should be not too much and ideally no free space in the heel cup.

› TOE HOOKS

Toe hooks are even more refined than a heel hook and helpful in overhangs. Reinforced rubber toe-box cover is really practical here, because it increases friction and of course protects the leather.

THE CLOSURE SYSTEM

System of shoe closure is very important construction point. It influences both comfort and overall stability of the upper part of foot. Often it influences also technique of climbing.



› LACE-UP (LU)

Though the lace-up system may seem to someone to be less comfortable, it is a good choice for those, who have not a typical foot shape. The lace-up system helps to make the shoe really close-fitting. The classic LU system maybe less practical, but when carefully laced, the shoe should not have to be re-laced.



› QUICK CLOSURE (QC)

The quick closure solution with velcro stripes guarantees comfort and fast and easy fixation of the foot. It is practical especially for training when the climber needs to put the shoe on and off constantly.




















› QUICK LACE-UP (LU)

Quick LU means that the laces run through leather channels and can be adjusted just with a single pull.

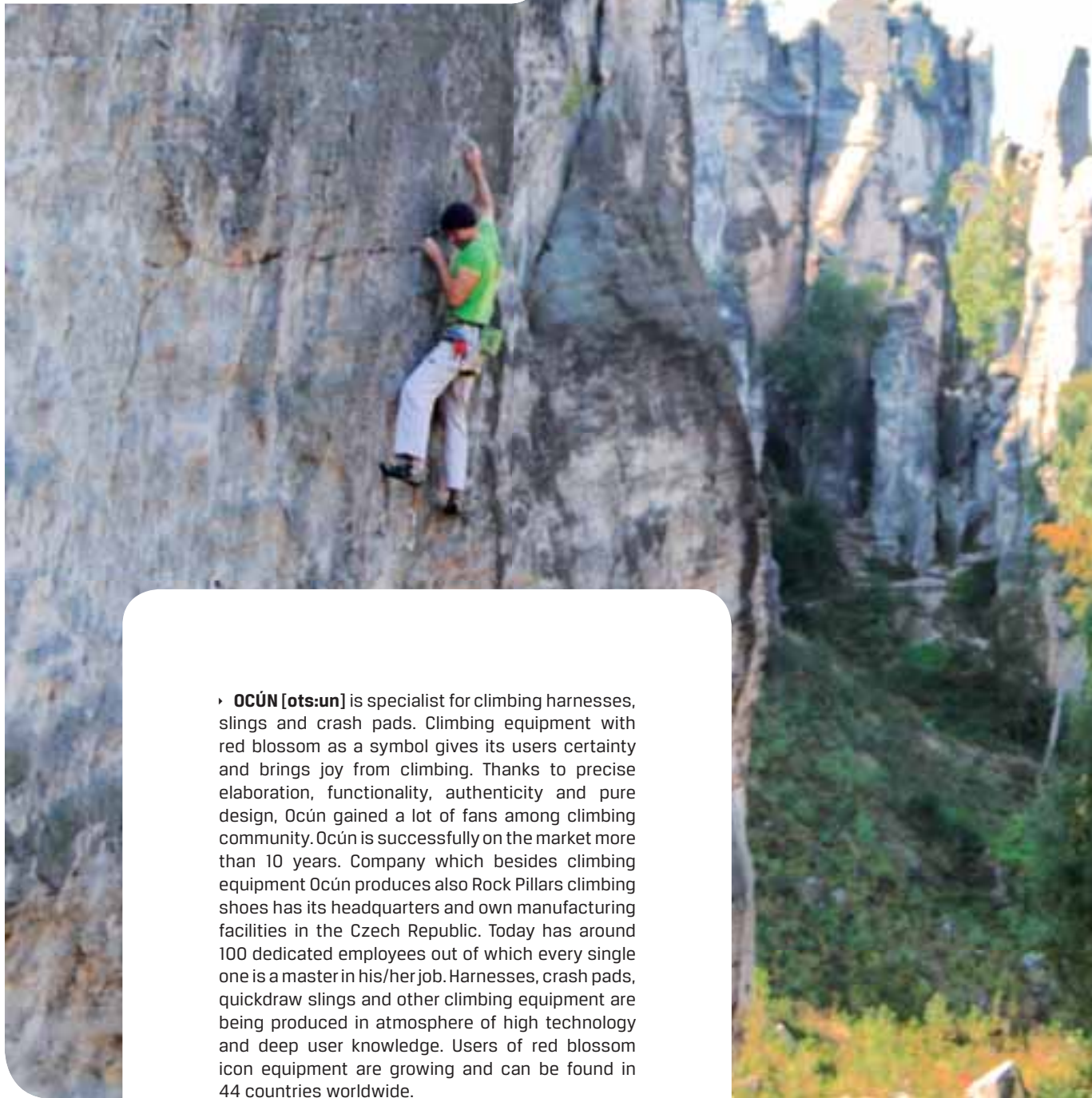


› SLIPPER

The slipper shoes are fitted with high quality elastic in the instep part. The slipper is ideal for climbers who do not want to bother with any kind of lacing. Nevertheless, a slipper shoe cannot be adjusted.

WHICH SHOE IS THE RIGHT ONE?		Bouldering	Rock climbing	Multi-pitch	Indoor	Slabs	Pockets	Cracks	Edges	Heelhooks	Toehooks	Beginner	Intermediate	Performance	High performance
Diamond		••	•••		••	•	•••	•	•••	•••	••		•	••	•••
Ozone QC		•••	•••		•••	•	•••	•	•••	•••	•••		•	••	•••
Ozone Slipper		•••	••		•••	••	•••	••	•••	••	•••		•	••	•••
Top Gun LU		••	•••	•	••	••	••	•••	•••	•••	•••		••	•••	••
Top Gun QC		•••	••	••	•••	••	••	••	••	••	•••		••	•••	••
Pearl Lady QC		••	•••		•••	••	••	•	•••	••	•	•	••	•••	•
Pearl LU		•	••		•••	••	••	•	••	••	•		•••	••	•
Rebel LU		••	•••		••	••	•••	•	•••	•••	••	•	••	•••	••
Rebel QC		•••	••		•••	••	•••	•	••	•••	•••	•	••	•••	••
Ghost QC		••	•••	•••	••	•••	•	•	••	•••	•••	••	•••	•••	
Zerocks		••	•••	••	••	••	•••	•	•••	•••	••	•	•••	••	•
Strike LU		•	••	•••	••	•••	•	••	••			•••	••	•	
Strike QC		•	•	•••	•••	•••	•	•	••			•••	••	•	
Crest QC			•	••	•••	••	•	•	••	•		•••	••	•	
Rental QC					•••	••	•		••			•••	••	•	
Hero LU			•		••	•••	•	•	•			•••			
Hero QC			•		••	•••	•	•	•			•••			

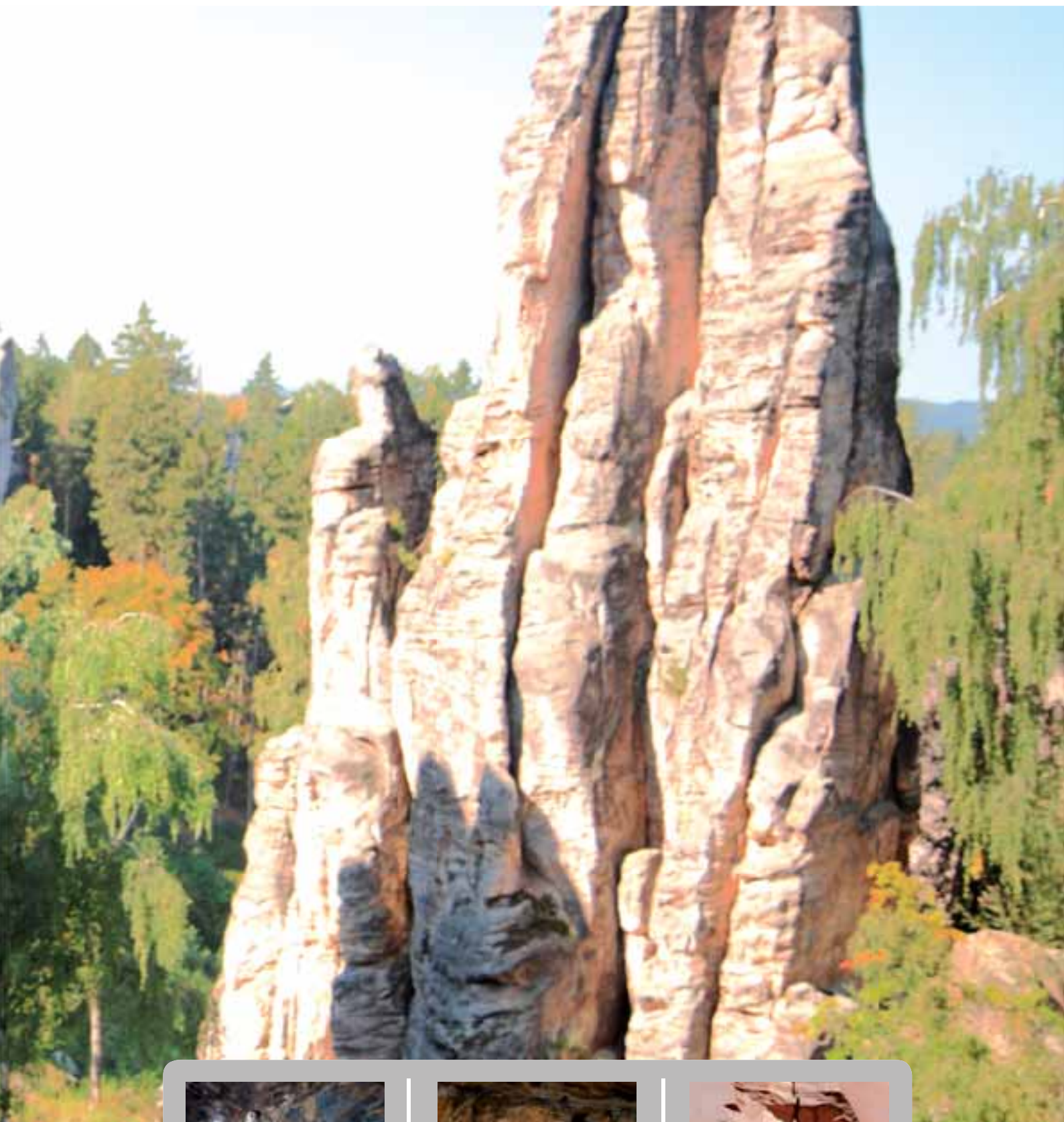
CLIMBING EQUIPMENT



► **OCÚN [ots:un]** is specialist for climbing harnesses, slings and crash pads. Climbing equipment with red blossom as a symbol gives its users certainty and brings joy from climbing. Thanks to precise elaboration, functionality, authenticity and pure design, Ocún gained a lot of fans among climbing community. Ocún is successfully on the market more than 10 years. Company which besides climbing equipment Ocún produces also Rock Pillars climbing shoes has its headquarters and own manufacturing facilities in the Czech Republic. Today has around 100 dedicated employees out of which every single one is a master in his/her job. Harnesses, crash pads, quickdraw slings and other climbing equipment are being produced in atmosphere of high technology and deep user knowledge. Users of red blossom icon equipment are growing and can be found in 44 countries worldwide.



ocún[®]
colchicum autumnale



Bouldering



Sport climbing



Bigwalls

EGO


Art. 02475



ULTRA-LIGHT, COMFORTABLE SINGLE-BUCKLE SPORT CLIMBING HARNESS.

New, lightweight harness construction is distributing the forces acting on a human body not through central webbing but through sophisticated lacing system. Laces are in waist sandwich construction placed more centrally and therefore it causes optimal force distribution around the body. Waist and leg parts are very comfortable. The individual harness parts are produced from high quality physical foam which doesn't lose its shape even after long period of using. Perforated foam brings breathability to the harness. On inner side of the harness is used synthetic leather – microfiber, very unique solution implemented from climbing shoe business. This microfiber is very comfortable to the skin. We are bringing this solution as the first ones. Parameters of weight and comfort make Ego harness category for its own. Initial safety system (ISS) by the waist and leg loops supports the stability of the harness and at the same time safety upon wrong tie-in. Ego contains four innovated gear loops. Waist is equipped by slide-lock stainless steel buckle with a new design.

- › Effectively lightweight and balanced construction
- › Waist and legs padded with breathable sandwich
- › Inner material – perforated microfiber leather
- › Initial Safety System – safety joint system of leg loops and waist
- › Slide-Lock buckles of stainless steel, 1× 20 mm
- › 4 gear loops

Sizes	Waist (cm)	Legs (cm)
XS	59-71	46-50
S	65-78	50-54
M	71-84	54-58
L	78-91	58-63
XL	85-99	63-68
Weight (M): 290 g	EN 12277 typ C	CE 

EGO in detail



Laces are in waist sandwich construction placed more centrally and therefore it causes optimal force distribution around the body.



Perforated foam brings breathability to the harness. On inner side of the harness is used synthetic leather – microfiber.



Waist is equipped by slide-lock stainless steel buckle with a new design.

EGO³

Art. 02476



COMFORTABLE LIGHTWEIGHT 3-BUCKLE SPORT CLIMBING HARNESSES.

New, lightweight harness construction is distributing the forces acting on a human body not through central webbing but through sophisticated lacing system. Laces are in waist sandwich construction placed more centrally and therefore it causes optimal force distribution around the body. Waist and leg parts are very comfortable. Leg loops are adjustable. The individual harness parts are produced from high quality physical foam which doesn't lose its shape even after long period of using. Perforated foam brings breathability to the harness. On inner side of the harness is used synthetic leather – microfiber, very unique solution implemented from climbing shoe business. This microfiber is very comfortable to skin. We are bringing this solution as the first ones. Initial safety system (ISS) by the waist and leg loops supports the stability of the harness and at the same time safety upon wrong tie-in. Ego3 contains four innovated gear loops. Waist and legs are equipped by slide-lock stainless steel buckles with a new design. This all makes Ego3 one of the lightest all-round harnesses ever. We offer Ego³ newly in 3 color versions.

- › Effectively lightweight and balanced construction
- › Waist and legs padded with breathable sandwich
- › Adjustable leg loops
- › Inner material – perforated microfiber leather
- › initial Safety System – safety joint system of leg loops and waist
- › Slide-Lock buckles of stainless steel, 2× 15 mm, 1× 20 mm
- › 4 gear loops

Sizes	Waist (cm)	Legs (cm)
S	70-80	49-56
M	77-91	53-61
L	84-99	58-66
XL	87-104	63-70
Weight (M): 335 g	EN 12277 typ C	CE

EGO³ in detail



Laces are in waist sandwich construction placed more centrally and therefore it causes optimal force distribution around the body.



Perforated foam brings breathability to the harness. On inner side of the harness is used synthetic leather – microfiber.



Waist and legs are equipped by slide-lock stainless steel buckles with a new design.

EGO³ Lady

Art. 02477



FEMALE, COMFORTABLE LIGHTWEIGHT 3-BUCKLE SPORT CLIMBING HARNESS.

Its construction is anatomically shaped to the female body shapes. New, lightweight harness construction is distributing the forces acting on a human body not through central webbing but through sophisticated lacing system. Laces are in waist sandwich construction placed more centrally and therefore it causes optimal force distribution around the body. Waist and leg parts are very comfortable. Leg loops are adjustable. The individual harness parts are produced from high quality physical foam which doesn't lose its shape even after long period of using. Perforated foam brings breathability to the harness. On inner side of the harness is used synthetic leather – microfiber, very unique solution implemented from climbing shoe business. This microfiber is very comfortable to skin. We are bringing this solution as the first ones. Initial safety system (ISS) by the waist and leg loops supports the stability of the harness and at the same time safety upon wrong tie-in. Ego contains four innovated gear loops. Waist and legs are equipped by slide-lock stainless steel buckles with a new design. This all makes Ego3 Lady one of the lightest female harnesses ever.

- › Effectively lightweight and balanced construction
- › Waist and legs padded with breathable sandwich
- › Adjustable leg loops, removable at the back
- › Inner material – perforated microfiber leather
- › Initial Safety System – safety joint system of leg loops and waist
- › Slide-Lock buckles of stainless steel, 2× 15 mm, 1× 20 mm
- › 4 gear loops

Sizes	Waist (cm)	Legs (cm)
XS	57-69	45-52
S	61-71	49-56
M	68-81	53-62
L	76-89	58-66
Weight (M): 335 g		EN 12277 typ C
		CE

EGO³ LADY in detail



Laces are in waist sandwich construction placed more centrally and therefore it causes optimal force distribution around the body.



Perforated foam brings breathability to the harness. On inner side of the harness is used synthetic leather – microfiber.



Waist and legs are equipped by slide-lock stainless steel buckles with a new design.



TWIST Tech


Art. 00031



COMFORTABLE 3-BUCKLE ALL-ROUND HARNESSES.

Well-designed shaping of individual parts and waist geometry bring well balanced body position. Padded sandwich construction on leg loops brings comfort on belays. Initial Safety System (ISS) is especially designed to keep leg loops stability and to prevent false rope-tie in any case. Thanks to Movable Waist System (MWS) – we can reduce full size-scale to 3 single sizes by centering the waist belt. Twist Tech is equipped with 3 slide-lock buckles made of stainless steel which are rust resistant. Harness has 4 full-size gear loops and haul-bag loop in the back part of the waist belt. All used materials are of superior quality and guarantee extreme durability of this harness.

- › Fully padded waist of high quality sandwich
- › Adjustable leg loops with wider padding
- › Initial Safety System – safety joint system of leg loops and waist
- › Movable Waist System
- › Slide-Lock buckles of stainless steel, 2× 20 mm, 1× 30 mm
- › 4 gear loops
- › Full-strength haul loop in the back

Sizes	Waist (cm)	Legs (cm)
XS-S	60-80	45-55
M-L	70-95	52-67
L-XL	80-105	57-72
Weight: 460 g	EN 12277 typ C	CE 



Padded sandwich construction on leg loops brings comfort on belays. All used materials are of superior quality and guarantee extreme durability of the harness.



Harness has 4 full-size gear loops and haul-bag loop in the back part of the waist belt.



Thanks to Movable Waist System (MWS) – we can reduce full size-scale to 3 single sizes by centering the waist belt.

TWIST Basic

Art. 02478

LIGHT WEIGHT 3-BUCKLE ALL-ROUND HARNESS.

Padded sandwich construction on leg loops brings comfort on belays. All used materials are of superior quality and guarantee extreme durability of the harness. Fully adjustable leg loops, removable at the back are matter-of-course. Initial Safety System (ISS) is especially designed to keep leg loops stability and to prevent false rope-tie in any case. Thanks to Movable Waist System (MWS) we can reduce full size-scale to 2 single sizes by centering the waist belt. Twist Basic is equipped with 3 slide-lock buckles made of stainless steel which are rust resistant. Twist Basic has got a new facelift for 2013, which are modified material loops and new colors of laces.

- › Fully padded waist of high quality sandwich
- › Adjustable leg loops
- › Initial Safety System – safety joint system of leg loops and waist
- › Movable Waist System
- › Slide-Lock buckles of stainless steel, 2× 20 mm, 1× 30 mm
- › 4 gear loops



Sizes	Waist (cm)	Legs (cm)
XS-M	60-90	45-65
M-XL	75-105	55-72
Weight: 440 g	EN 12277 typ C	CE

TWIST Lady

Art. 00030

LADIES' VERSION OF A 3-BUCKLE ALL-ROUND HARNESS.

Its construction is conformed to curves of women's figure. Padded sandwich construction on leg loops brings comfort on belays. All used materials are of superior quality and guarantee extreme durability of the harness. Fully adjustable leg loops, removable at the back are matter-of-course. Initial Safety System (ISS) is especially designed to keep leg loops stability and to prevent false rope-tie in any case. Thanks to Movable Waist System (MWS) we can reduce full size-scale to 2 single sizes by centering the waist belt. Twist Lady is equipped with 3 slide-lock buckles made of stainless steel which are rust resistant.

- › Fully padded waist of high quality sandwich
- › Adjustable leg loops
- › Initial Safety System – safety joint system of leg loops and waist
- › Movable Waist System
- › Slide-Lock buckles of stainless steel, 2× 20 mm, 1× 30 mm
- › 4 gear loops



Sizes	Waist (cm)	Legs (cm)
XS-M	60-80	48-62
M-L	70-90	55-70
Weight: 420 g	EN 12277 typ C	CE


TWISTER Kid

Art. 02480

UNIVERSAL CLIMBING HARNESS IN XXS SIZE, IN COMBINATION WITH CHEST HARNESS. ALSO SUITABLE FOR CHILDREN.



- › Fully padded waist of high quality sandwich
- › Adjustable leg loops
- › Initial Safety System – safety joint system of leg loops and waist
- › Movable Waist System
- › Slide-Lock buckles of stainless steel, 2× 20 mm, 1× 30 mm
- › 2 gear loops

Sizes	Waist (cm)	Legs (cm)
one size	50–75	40–50
Weight: 330 g	EN 12277 typ C	CE 

TWIST Rental


Art. 02479

ALL-ROUND 3-BUCKLE CLIMBING HARNESS WITH SAFETY FEATURES, AIMED PRIMARILY ON CLIMBING WALL AND COURSES USAGE.

Comfort of this harness is achieved by high quality sandwich forms, both on waist and legs. The whole construction is designed in the name of safety. Safety is the main feature. Fully adjustable leg loops and only 2 sizes make this harness ideal for rental purposes and climbing courses. Initial safety system (ISS) by the waist and leg loops supports the stability of the harness and at the same time safety upon wrong tie-in. Thanks to the system of movable waist (MWS – movable waist system), the harness can be perfectly centered. Twist Rental is equipped by slide-lock stainless steel buckles. The reinforced safe gear loops were created especially for climbing walls which can prevent wrong tie-in, or wrong belay device manipulation. Combination of universal sizes and super-safe features make this harness purposed for beginner climbers, or participants of climbing courses.



- › Fully padded waist of high quality sandwich
- › Adjustable leg loops
- › Initial Safety System – safety joint system of leg loops and waist
- › Movable Waist System
- › Slide-Lock buckles of stainless steel, 2× 20 mm, 1× 30 mm
- › Reinforced 4 gear loops

Velikost	Waist (cm)	Legs (cm)
XS–M	60–90	45–65
M–XL	75–105	55–72
Weight: 440 g	EN 12277 typ C	CE 

QUATTRO Tech

Art. 02481

COMFORTABLE 4-BUCKLE HARNESS FOR TECHNICAL AND BIG WALL CLIMBING.

Main focus was brought on technicality and durability, for all those who need hard working harness. New shaping of individual parts and waist geometry bring well balanced body position. Padded sandwich construction on leg loops brings comfort on belays. Initial Safety System (ISS) is especially designed to keep leg loops stability and to prevent false rope-tie in any case. Quattro Tech is equipped with 4 slide-lock buckles made of stainless steel which are rust resistant. Harness has 6 full-size gear loops and haul-bag loop in the back part of the waist belt, as well as technical multipurpose gear holders on each side for e.g. ice screws. All used materials are of superior quality and guarantee extreme durability of this harness.



- › Fully padded waist of high quality sandwich
- › Adjustable leg loops
- › Initial Safety System – safety joint system of leg loops and waist
- › Slide-Lock buckles of stainless steel, 2x 20 mm, 2x 30 mm
- › 6 gear loops
- › Full strength haul loop in the back

Sizes	Waist (cm)	Legs (cm)
XS-M	65-90	52-67
L-XL	80-105	57-72
Weight: 490 g	EN 12277 typ C	CE

QUATTRO Basic

Art. 02222

LIGHT WEIGHT 4-BUCKLE HARNESS FOR ALL-ROUND USE.

Quattro Basic is derived from the Twist line, having the same solid features. Padded sandwich construction on leg loops brings comfort on belays. All used materials are of superior quality and guarantee extreme durability of the harness. Fully adjustable leg loops, removable at the back are matter-of-course. Initial Safety System (ISS) is especially designed to keep leg loops stability and to prevent false rope-tie in any case. Quattro Basic is equipped with 4 slide-lock buckles made of stainless steel which are rust resistant. Full strength haul loop at the back part and ice screw holders on each side. Quattro Basic has got a new facelift for 2013, which are modified material loops and new colors of laces.



- › Fully padded waist of high quality sandwich
- › Adjustable leg loops
- › Initial Safety System – safety joint system of leg loops and waist
- › Slide-Lock buckles of stainless steel, 2x 20 mm, 2x 30 mm
- › 4 gear loops
- › Full strength haul loop in the back

Sizes	Waist (cm)	Legs (cm)
XS-M	65-90	45-65
L-XL	80-105	55-72
Weight: 460 g	EN 12277 typ C	CE

NEWTON



Art. 00019

UNIVERSAL CLIMBING HARNESS, PROPER FOR MOUNTAINEERING, VIA FERRATAS, INDOOR CLIMBING AND ALSO FOR BEGINNERS.

Newton is a comfortable harness of a simple construction, which especially the beginners will appreciate. Comfort of the harness is provided by quality padding in the waist and widened webbing on the leg loops. All used materials are of superior quality and guarantee extreme durability of the harness. Leg loops are fully adjustable and removable at the back. Belay loop is in different color to prevent false rope-tie. Thanks to a unique Movable Waist System (MWS) – we can reduce full size-scale to 1 single size by centering the waist belt. Newton harness is equipped with a slide-lock buckles made of stainless steel which is rust resistant.



- Padded waist of high quality sandwich
- Adjustable leg loops
- Movable Waist System
- Slide-Lock buckles of stainless steel, 3x 30 mm
- 2 gear loops

Size	Waist (cm)	Legs (cm)
one size	65-115	50-70
Weight: 370 g		
EN 12277 typ C		
CE		

VARIANT

Art. 00027

ANATOMICALLY SHAPED CHEST HARNESS.

- 44mm webbing
- Comfortable "X" construction
- Adjustable
- 2x 44 mm click buckle
- 2 gear loops



Size	Chest circumference (cm)
one size	70-105
Weight: 308 g	
EN 12277 typ D	




BODYGUARD

Art. 00028

FULL-BODY CLIMBING HARNESS INTENDED FOR BEGINNERS AND CLIMBING ON VIA FERRATAS.

- › Fully adjustable
- › 2× 44 mm AL Click buckle on chest
- › 2× 44 mm AL Click buckle on leg loops
- › 2 gear loops

Size	Waist (cm)	Legs (cm)
one size	65-115	50-80
Weight: 530 g	EN 12277 typ A	CE 




MOJO

Art. 00029

FULL-BODY HARNESS FOR CHILDREN. NOW WITH A NEW WEBBING ON LEG LOOPS.

- › Fully adjustable
- › Leg loops of a new comfortable, widened webbing
- › 4× 30mm Slide-Lock buckle of stainless steel
- › 1 gear loop

Size	Waist (cm)	Legs (cm)
one size	30-55	23-50
Weight: 345 g	EN 12277 typ B	CE 

HARNESSES

After 24 years of harness making tradition, Ocun still continues to bring new solutions which mean improvements not only in the area of design but also in functional parameters and comfort. Every generation of our harnesses has brought innovation which was appreciated by users and sales staff. All of these innovations are still used today in more modern way. In 1987, Pavel Hendrych used a padding made of Polyethylene foam with closed-cell structure in the construction of his harness. (This foam does not deflate when pressed. So it is more stable in compression and bending and also does not absorb water.) This solution brought high comfort while sitting on traditional sandstone belay stations. All Ocun padded harnesses use these foams still up to date. In 1998, Ocun used on the leg loops of a sport climbing harness kind of binding tape, as a part of the strength carrying system. Ocun is using this weight-favouring solution up to this day on the sport climbing harnesses. In 2000, Ocun equipped the Mescal harness with FAS (Fully Anatomical Shape) waist belt, which respected the shape of the loin back part (upper part of the waist was smaller than the lower part, so it could fit and copy the body shape better) and also the correct position of the tie-in point and the padding on the back to the gravity centre of the body. Besides more comfort, it brought also more stability during actual fall. Ocun is using this principle on all sport harnesses. In 2001, Ocun used so called MWS (Movable Waist System), which simplified centering of the harness and thus enabled us to reduce sizes

to minimum. Based on this simple solution whole Twist family and legendary Newton are built. In 2006 we have decided to sacrifice the advantage of detachability of the harnesses into waist and leg parts for strengthening the safety. By the new constructional ISS solution (Initial Safety System), Ocun reinforced the strength in the area of tie-in points. In 2012, Ocun came with its new collection of sport climbing harnesses with lightweight, fully ventilated construction, which is padded by perforated synthetic leather – microfiber, the same as luxurious car seats (Microfiber Perforated Lining). During the development of this new generation harnesses, Ocun focused on lightweight, freedom of movement and comfort balanced with safety and longterm reliability.

Ocun is specialized mainly in production of sit harnesses, which are called Type-C according to the standard. This type is mainly used for rock – especially sport rock climbing, also for multi-pitch alpine climbing, on technical (or aid) pitches, mixed and ice walls. Construction of these harnesses distributes 80% of fall impact force by leg loops into thighs, while waist is stabilizing the body and protects the spine. Thanks to the point, that the harness is located in the body gravity center, the controlled fall during sport climbing might not be worse than comfortable resting. Uncomfortable bottom pull of the rope while leading is transferred into tie-in point on the harness, which is located under the body gravity center and thus influencing the balance minimally.

In the Ocun assortment, there is also chest harness model, called Type-D according to the standard. Often it is being recommended as supplementary harness to be used with sit harness for those who are less experienced, children, or anywhere where balance is less controllable during a fall. It shall not be used alone without a sit harness. During a fall, it could cause painful chest deformations and ortostatic shock causing death.

Another type of harness in Ocun product range is Type-A, combined full-body harness. It is as much safe as combination of chest and sit harness but not as much comfortable. It is lighter and for tying additional slings are needed. Thanks to wide adjustability of the webbings, a combined harness is suitable for all kinds of climbing, mainly via ferrata, where falls do not happen very often, but always very sudden. Full-body harnesses are also good choice for renting purposes or climbing courses.















Type-B, kids full-body combined harness, is the last harness category in Ocun assortment. This kind of harness is limited by a standard with maximum weight of 40 kg. Harness is fully adjustable. Construction is respecting the anatomical features of child's body. Kids full-body Ocun harness has padded leg loops to provide more comfort to the child.

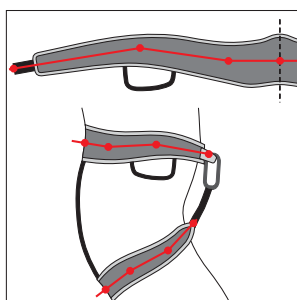
CLIMBING HARNESS CONSTRUCTION

Climbing harnesses Ocun are mainly focusing on category of padded sit harnesses, where the experience and tradition of Ocun brand are the greatest. In this category Ocun is a longterm trendsetter and its ideas are proven by various new innovations. Good quality and clever harnesses include not only conceptual solutions but also many functional details which cannot be all described due to their quantity. Later on will be pointed out the most important features which give Ocun harnesses their function, comfort and safety.

- 1 Airy ventilated padding
- 2 Microfiber perforated lining
- 3 Physically cross-linked PE foam with closed cell structure
- 4 Breathable netting
- 5 Tie-in loop
- 6 Slide-lock buckle
- 7 1in2 force distribution
- 8 Airy ventilated padding
- 9 1in2 force distribution
- 10 Gear loop

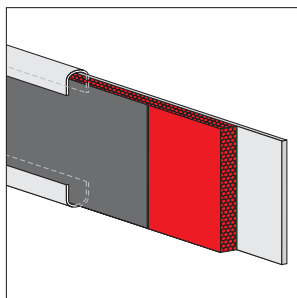


WHICH HARNESS IS THE RIGHT ONE?	Type	Weight (g)	Airy ventilated padding	Adjustable legs	Movable waist system	Gear loops	Haul loop	Caritool slot	Recommended for				
									Sport	Multi-pitch	Alpine	Via ferrata (+ chest harness)	Rental
EGO 	Uni	290	•			4			••••	••	•	•	
EGO3 	Uni	335	•	•		4			•••	••	••	••	
EGO³ Lady 	Women's	335	•	•		4			•••	••	••	••	
TWIST Tech 	Uni	460		•	•	4	•	•	•	••••	••••	••••	
TWIST Basic 	Uni	440		•	•	4			••	•••	•••	•••	
TWIST Lady 	Women's	420		•	•	4			••	•••	•••	•••	
TWISTER Kid 	Kids'	330		•	•	2			••	••	••	•	
TWIST Rental 	Uni	440		•	•	2							••••
QUATTRO Tech 	Uni	490		•		6	•	•	•	••••	••••	•••	
QUATTRO Basic 	Uni	460		•		4	•	•	••	•••	••••	•••	
NEWTON 	Uni	370		•	•	2			•		•	••••	•••
VARIANT 	Uni	308				2				•••	•••	••••	
BODYGUARD 	Uni	530		•		2						••••	••
MOJO 	Kids'	359		•		1						•	•••



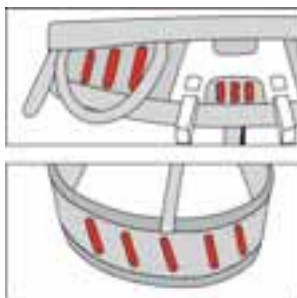
► FAS – FULL ANATOMICAL SHAPE

Construction of the cut respecting not only shape of the body, but also force impact while sitting, or mainly catching a fall. It is correct harness geometry, which solves the impact position compared to the body gravity center and provides better stability during a fall.



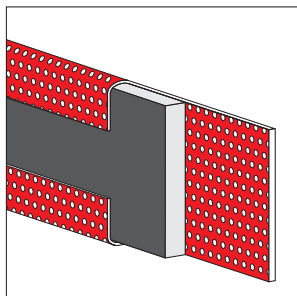
► PHYSICALLY CROSS-LINKED PE FOAM

Polyethylen foam used by Ocun for harness padding is physically cross-linked. Its closed cell structure has good consistency and shape stability. 3-layer sandwich, into which this foam is laminated, brings extra comfort to the harness.



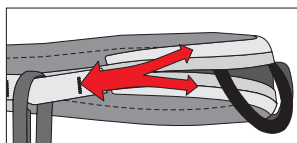
► AIRY VENTILATED PADDING

With the new generation of harnesses, Ocun is focusing on effective ventilation of leg and waist parts. Chosen construction is using large areas in between strength binding tapes for placing number of ventilation holes. These holes are covered inside by a perforated lining and outside by breathable netting. Ocun reached sufficient consistency of the harness which is not affecting the comfort and enables ventilation at the same time.



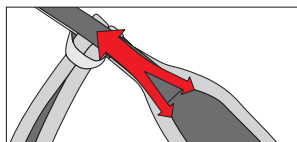
► MICROFIBER PERFORATED LINING

Ocun used with its new generation of sport climbing harnesses untraditional material for waist and leg padding. It is high quality, scratch-resistant artificial leather from polyester microfiber. This material, used mainly for car seats, fulfills high parameters of comfort, durability and easy maintainance. Its parameters during normal harness usage far exceed up-to-date used knitted fabrics.



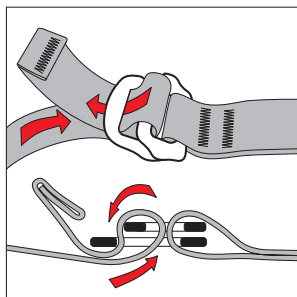
► 1IN2 FORCE DISTRIBUTION

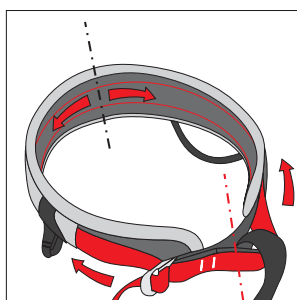
Standard solution using a continuous carrying webbing is altered in our construction by doubling of one webbing into two high-strength binding tapes. This enables distribution of forces acting on the body to the leg or waist parts of the harness. This solution brings comfort and low weight. Thanks to doubling, the forces acting on climber's body are distributed evenly in the whole width of the waist belt, and are not concentrated only to narrow part of the central webbing or side binding tape.



► SLIDE-LOCK BUCKLE

Longtime known and proved solution used on parachute harnesses. Slide-lock buckle consists of two frames which slide. These frames block the webbing upon reverse pull. Comfortable, safe and fast solution. You do not need to control correct position of the webbing, you only need to tighten.





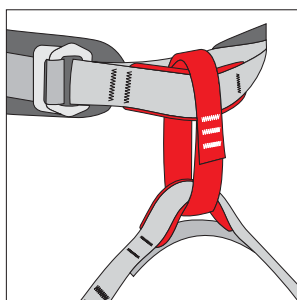
► MWS – MOVABLE WAIST SYSTEM

Waist padding is constructed as a tunnel with free carrying webbing which is movable. This simple way enables always correct positioning and centering of the waist belt in the back part compared to the tie-in loop. Gear loops are in this case always symmetrically placed on both right and left sides. One only needs to lengthen the waist webbing and we have wide size range possibility.



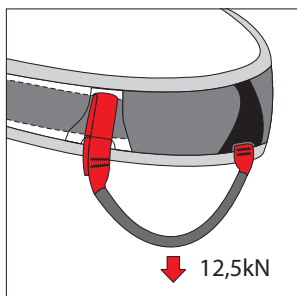
► ISS – INITIAL SAFETY SYSTEM

Main tie-in parts by the waist and legs, where the tie-in loop is connected, are reinforced and fix sewed. This solution decreases the risk of wrong tying of rope to the harness.



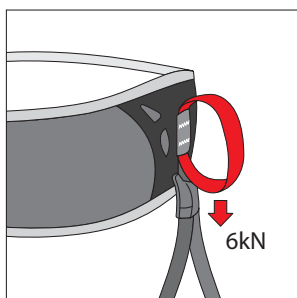
► VTP – VISIBLE TIE-IN POINT

For easy orientation mainly by the beginner climbers the tie-in loop (standard by all harnesses) but also the bandage for leg and waist loops are differentiated by color. This color differentiation of protective bandage is serving also as visual signalization of wear and tear. This solution will be appreciated by rentals, rope centers and climbing courses.



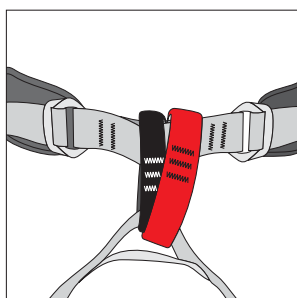
► REINFORCED SAFE GEAR LOOPS

Gear loops in Rental category harnesses are made of strength webbing and sewed with strength stitching. Its minimal breaking strength is reaching 12,5 kN. This fact is supporting the passive security of the harnesses which could be misused by the newcoming beginner climber. This solution will be appreciated by rentals, rope centers and climbing courses.



► HAUL LOOP

Harnesses aimed at traditional and multipitch climbing are equipped in back axis with haul loop for hanging the rope, or dragging the haulbag. Its minimal breaking strength is reaching 6 kN. Its multipurpose use will be appreciated by every climber, who uses a lot of gear.



► DOUBLE TIE-IN LOOP

For the harnesses aimed at multipitch and bigwall climbing, Ocun uses double tie-in loop. There are 2 independent tie-in loops connecting the legs and waist. Each of them has different color, webbing width and diameter. In usual position it is possible to have them centered and use as one overdimensioned loop. During the work on belay station in the wall, or while aid climbing, you can use them as 2 separate loops.



NAN-O-QUICKDRAW DYN 8

- › Dyneema webbing
- › Width: 8 mm
- › Strength: 22 kN
- › Color: assorted

Length	Weight	Art.
15 cm	6 g	02463
EN 566		CE

QUICKDRAW DYN 11

- › Dyneema webbing
- › Width: 11 mm
- › Strength: 22 kN
- › Rubber sleeve inside secures bottom carabiner in place
- › Color: assorted

Length	Weight	Art.
10 cm	7 g	00035
15 cm	9 g	01597
20 cm	12 g	01598
EN 566		CE



QUICKDRAW PAD 16

- › Polyamide webbing
- › Width: 16 mm
- › Strength: 22 kN
- › Rubber sleeve inside secures bottom carabiner in place
- › Color: assorted

Length	Weight	Art.
10 cm	13 g	01593
15 cm	16 g	01594
20 cm	18 g	00033
EN 566		CE

QUICKDRAW PAD 19

- › Polyamide webbing
- › Width: 19 mm
- › Strength: 22 kN
- › Rubber sleeve inside secures bottom carabiner in place
- › Color: assorted

Length	Weight	Art.
10 cm	15 g	01595
15 cm	18 g	01596
20 cm	21 g	00034
EN 566		CE



ZOOM QUICKDRAW PAD

- › Polyamide webbing
- › Width: 26/16 mm
- › Strength: 22 kN
- › Rubber sleeve inside secures bottom carabiner in place

Length	Weight	Art.
12 cm	13 g	02464
EN 566		CE

DURA SLING PAD



EXTRA DURABLE QUICKDRAW SLING
FOR CLIMBING GYMS.

- › Polyamide webbing
- › Width: 16 mm
- › Strength: 22 kN

Length	Weight	Art.
15 cm	15 cm	02666
30 cm	35 cm	02600
EN 566		CE



NAN-O-SLING DYN 8

- › Dyneema webbing
- › Width: 8 mm
- › Strength: 22 kN
- › Color: assorted

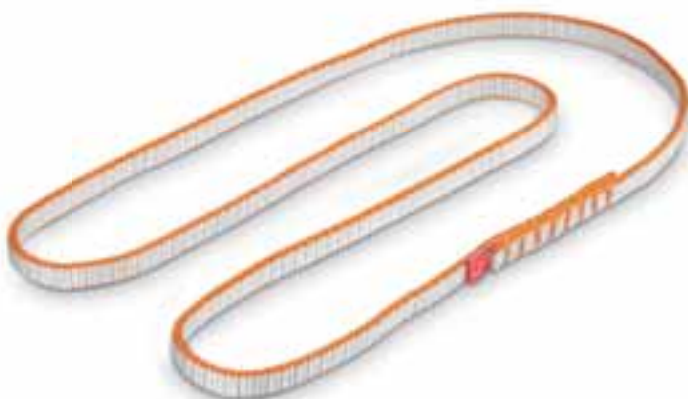
Length	Color	Weight	Art.
30 cm	assorted	12 g	01630
60 cm	orange	23 g	01632
80 cm	grey	30 g	01629
120 cm	blue	45 g	01628
EN 566		CE	



O-SLING DYN 11

- › Dyneema webbing
- › Width: 11 mm
- › Strength: 22 kN
- › Color: assorted

Length	Color	Weight	Art.
30 cm	assorted	4 g	01613
60 cm	carrot	26 g	01614
80 cm	lemon	36 g	01612
120 cm	ice mint	52 g	00039
EN 566		CE	



O-SLING PAD 16

- › Polyamide webbing
- › Width: 16 mm
- › Strength: 22 kN
- › Color: assorted

Length	Color	Weight	Art.
30 cm	assorted	25 g	01601
60 cm	carrot	46 g	00037
80 cm	red	66 g	01602
100 cm	ice mint	77 g	01605
120 cm	lemon	87 g	01604
240 cm	assorted	168 g	01603
EN 566		CE	



O-SLING PAD 19

- › Polyamide webbing
- › Width: 19 mm
- › Strength: 22 kN
- › Color: assorted

Length	Color	Weight	Art.
30 cm	assorted	28 g	01606
60 cm	carrot	50 g	01607
80 cm	red	68 g	01609
120 cm	lemon	98 g	01608
EN 566		CE	



DAISY CHAIN DYN 11

- › Dyneema webbing
- › Width: 11 mm
- › Strength: 22 kN
- › Colors: assorted

Length	Color	Weight	Art.
115 cm	orange	58 g	00043
135 cm	blue	68 g	01624
EN 566		CE	



DAISY CHAIN PAD 19

- › Polyamide webbing
- › Width: 19 mm
- › Strength: 22 kN
- › Colors: assorted

Length	Color	Weight	Art.
115 cm	red	103 g	01622
135 cm	lemon	108 g	01623
EN 566		CE	



MULTIPOINT Belay sling

Art. 02466

BELAY SLING FOR MAKING FAST BELAY POINT WHILE CLIMBING UNSECURED MULTI-PITCHES AND BIG WALLS.

Thanks to its flexibility it distributes evenly the weight in between 3 anchoring points. In case of need it is possible to fix each arm with knot. MULTIPOINT BELAY SLING is also possible to use as one long o-sling.

- › Polyamide webbing
- › Width: 19 mm
- › Strength: 22 kN
- › Colors: assorted

Weight: 170 g EN 566 CE



QC REACH Sling

Art. 02213

TECHNICAL FINESSE – SLING FOR TECHNICAL CLIMBING WITH VARIABLE LENGTH.

Special webbing system makes the release very simple. Simple construction makes the use stupid-proof. NOT FOR USE AS A BELAY SLING.

- › Strength: 4 kN

Weight: 100 g

QC STEP Sling

Art. 02467

TECHNICAL FINESSE – SLING WITH STEP FOR AID CLIMBING.

It has variable length which can be operated even under load. Step sling is equipped with foot fixation webbing. NOT FOR USE AS A BELAY SLING.

- › Strength: 4 kN

Weight: 120 g EN 566

LADDER D step

Art. 02004

LIGHTWEIGHT LADDER FOR TECHNICAL AID CLIMBING. SUITABLE FOR CLIMBING WHERE EVERY GRAM COUNTS.

- › 7 steps reinforced by plastic filling
- › Draw loop
- › Length: 155 cm

Weight: 180 g

LADDER H step

Art. 02465

HEAVY DUTY LADDER WITH DISTANCE BAR FOR HEAVY AID CLIMBING. VERY DURABLE CONSTRUCTION.

- › 6 steps reinforced by plastic filling
- › Draw loop
- › Length: 181 cm

Weight: 275 g

GEAR LOOP

Art. 00065

- › Left/right sided
- › Anatomically shaped
- › Comfortable padding
- › 1 gear loop

Weight: 135 g



CRACK GLOVES

Art. 00064

CRACK GLOVES.

- › Anatomic shape
- › Material: microfiber stretch suede + high sensitive adhesive rubber for maximum friction
- › Quick closure system
- › Sizes: S, M, L

Weight: 57 g

HAWK

Minimalistic D-shape carabiner with wire gate and asymmetric body. This carabiner type is the result of weight, reliability and strength optimization. Hot-forged body is light-weight and strong. The wire gate has self-clearing effect, does not freeze up in alpine conditions and eliminates gate flutter. The body shape has been designed for easy to handle- and perfectly working gate. Sufficient radius of the cross-section and smooth body make the carabiner friendly to ropes of all types and slings up to 16 mm in width.



green ▶

blue ▶

grey ▶

HAWK



Art. 02449

- ▶ Hot-forged wire carabiner
- ▶ Wire gate eliminates gate flutter and does not freeze up in alpine conditions

◀ ◯ ▶ 24 kN	⚙ 8 kN	◀ ◯ ▶ 8 kN	⚙ 25 mm
📦 32 g	EN 12275	CE	🏔

HAWK – pack 5 + 1

Art. 02694

FALCON

D-shaped asymmetric carabiner with K-lock, produced and offered in 3 variants:

- ▶ straight gate for wider use upon equipping the route,
- ▶ bent gate for easy rope clipping is usually used as the bottom carabiner in quickdraw sets,
- ▶ gate with screw lock, which eliminates the risk of the rope self-slacking out of biner while being crossed over the gate.

Falcon is hot-forged. Its shape conforms to requirements of high strength, low weight and perfect ergonomics. The nose angle in combination with K-lock work for quick and easy clipping. The shape of the biner is smooth and continuous to prevent catching the nose into hanger.



green ▶

blue ▶

FALCON Straight



Art. 02446

- ▶ Hot-forged, anodized carabiner
- ▶ K-lock nose

◀ ◯ ▶ 25 kN	⚙ 9 kN	◀ ◯ ▶ 9 kN	⚙ 20 mm
📦 47 g	EN 12275	CE	🏔



green ▶

blue ▶

FALCON Bent



Art. 02447

- ▶ Hot-forged, anodized carabiner
- ▶ K-lock nose

◀ ◯ ▶ 25 kN	⚙ 9 kN	◀ ◯ ▶ 9 kN	⚙ 24 mm
📦 47 g	EN 12275	CE	🏔



grey / yellow / green ▶

grey / blue / blue ▶

HAWK QD DYN 11

new

Art. 02444

HAWK carabiners in combination with strong and light-weight express sling of 11mm wide Dyneema. Extra light, strong and reliable solution. This set is suitable especially for multi-pitch and alpine conditions. The wire gate has self-clearing effect, does not freeze up in alpine conditions and eliminates gate flutter.

- ▶ Hot-forged construction
- ▶ Wire gate eliminates gate flutter and does not freeze up in alpine conditions
- ▶ 11mm Dyneema webbing is light-weight and strong; length: 10 cm
- ▶ Profile-Fix rubber sleeve keeps the bottom carabiner correctly positioned

22 kN 24 kN 8 kN 8 kN 25 mm

75 g EN 566 (sling), EN 12275 (carabiners)



grey / blue / blue ▶

grey / yellow / green ▶

HAWK QD PAD 16

new

Art. 02647

Light-weight carabiners with all benefits of a wiregate, joined by strong and durable Polyamide webbing (16 mm). Recommended for sport and alpine climbing. Good value for money.

- ▶ Hot-forged construction
- ▶ Wiregate eliminates gate flutter and does not freeze up in alpine conditions
- ▶ 16mm Nylon webbing is strong and highly durable; length: 10 cm
- ▶ Profile-Fix rubber sleeve keeps the bottom carabiner correctly positioned

22 kN 24 kN 8 kN 8 kN 25 mm

90 g EN 566 (sling), EN 12275 (carabiners)



green / yellow / green ▶

blue / blue / blue ▶

FALCON QD PAD 16

new

Art. 02442

The combination of K-lock carabiners with strong and durable Polyamide webbing (16mm) is best for sport routes. The top, straight gate carabiner with K-lock profile works for easy clipping, bottom carabiner with bent gate for easier rope clipping. ▶ Hot-forged carabiners with K-lock nose

- ▶ K-lock nose for smooth clipping
- ▶ 16mm Nylon webbing is strong with high durability; length: 10 cm
- ▶ Profile-Fix rubber sleeve keeps the bottom carabiner correctly positioned

22 kN 25 kN 9 kN 9 kN 20 mm (straight) 24 mm (bent)

114 g EN 566 (sling), EN 12275 (carabiners)



blue / white / blue ▶

green / white / green ▶

FALCON QD PAD 16 – pack 5 + 1

Art. 02649

FALCON QD Zoom PAD

new

Art. 02441

The best choice for "red point" climbing and training. Falcon carabiners with K-lock nose make clipping smooth. Robust quickdraw sling "Zoom", wider in the middle, are easy to grip in tense moments.

- ▶ Hot-forged carabiners with K-lock nose
- ▶ K-lock nose for smooth clipping
- ▶ 26/16mm Nylon webbing of ergonomic shape, high durability; length: 12 cm
- ▶ Profile-Fix rubber sleeve keeps the bottom carabiner correctly positioned

22 kN 25 kN 9 kN 9 kN 20 mm (straight) 24 mm (bent)

114 g EN 566 (sling), EN 12275 (carabiners)



LOCKING CARABINERS



FALCON Screw

Art. 02448

- Hot-forged, anodized carabiner
- Screw gate, K-lock nose

new

25 kN	9 kN	9 kN	17 mm
53 g	EN 12275		CE

EAGLE

Modern, light-weight and ergonomic HMS carabiner with K-lock. It is intended for belaying with UIAA knot use or can be combined with belay devices of all types. Eagle can be delivered in two different lock system types: screw or twist-lock. The hot-forged body has been formed to be ergonomic, the lock system easy to handle and perfectly working and the biner profile rope friendly.



EAGLE HMS Screw

Art. 02452

- Hot-forged, anodized carabiner
- Screw gate, K-lock nose
- Pleasant ergonomic shape

new

23 kN	10 kN	8 kN	23 mm
70 g	EN 12275, EN 362		CE



EAGLE HMS Twist

Art. 02451

- Hot-forged, anodized carabiner
- Twist-lock gate, K-lock nose
- Pleasant ergonomic shape

new

23 kN	10 kN	8 kN	23 mm
70 g	EN 12275, EN 362		CE

OSPREY

Hot-forged, slightly asymmetric carabiner of oval shape, with a great strength parameter. This carabiner is suitable for aid bigwall climbing, very good for aid climbing, invaluable on working with pulleys. Offered in 3 variants of lock system: screw, twist-lock (automatically locking), triple-lock (automatically blocking, auto-saving).



OSPREY Screw

Art. 02450

- Hot-forged, anodized carabiner
- Screw gate, K-lock nose

new

25 kN	9 kN	7 kN	22 mm
68 g	EN 12275, EN 362		CE



OSPREY Twist

Art. 02632

- Hot-forged, anodized carabiner
- Twist-lock gate, K-lock nose

new

25 kN	9 kN	7 kN	22 mm
74 g	EN 12275, EN 362		CE



OSPREY Triple

Art. 02633

- Hot-forged, anodized carabiner
- Triple-lock gate, K-lock nose

new

25 kN	9 kN	7 kN	22 mm
74 g	EN 12275, EN 362		CE

CLIMBING HARDWARE

OCÚN presents carabiners collection 2013 as an innovative producer of hot forged climbing equipment.

The climbing equipment of the OCÚN collection is the result of hard team work. This comes from a combination of a strong climbing tradition, sports effort, production and metallurgy experience, experience with material engineering utilizing modern design development and top computer technology. This synergy creates superior innovative products with a focus on every detail, clean lines of shapes and maximum functionality. The talent of the design team is only one part of the picture, though. Of additional importance is sophisticated technology with a maximum focus on a modern certified production process, a high sense of responsibility and product quality. This is why OCÚN produces climbing equipment in Taiwan, which is a country known worldwide for its demanding bicycle and motorcycle industry. Quality and product safety is checked by OCÚN's own team of professionals, who are present for the entire production and testing process and all the time taking care of product conformity and safety.

OCÚN pays attention to every detail to ensure high quality, which guarantees the highest standard of OCÚN products. Maximum security and the user's satisfaction are the main objectives of OCÚN brand.

THE PHASES OF FORGED PRODUCT CREATION

► Project

The new product begins as a concept, where we envision its future features, technical parameters, characteristics and construction materials. The intended shape is defined in a sketch, made by a designer in cooperation with experienced climbers. After that, a 3D modeling process using modern computer technology follows.

► Modeling

The 3D shaped model of the product is a basis for rapid prototype production. The plastic rapid prototype is modeled to the actual size and shape of the future product. In this phase, it is possible to experiment with all shape details, for example to test rope functionality. After finishing the rapid prototypes shape, strength testing by computer simulation is performed which helps to optimize the strength parameters conformity to standards. Then further modeling follows, which brings the prototype to its final shape.

► Tools

There is a wide range of working tools, and it is necessary to develop accurate forged forms, cutting tools and other working equipment. This stage is substantial as these working tools will determine the exact product construction from source materials (aluminum alloy). As a result, the workmanship of toolmakers is also very important - it is necessary to handle these tools with care, because they give the precise form to the final product.

► Material

Input material control and testing is carried out according to standards and records are kept of the

entire process for future queries. The material composition is checked by spectral analysis. Stiffness and homogeneity of the material are the main technical parameters being tested.

► Body shaping, hot forging

The source material - aluminium alloy in the form of rolled bars - is subsequently shaped into the perfect carabiner body. The carabiner body is forged by using enormous force, heat and accurate working tools. With the use of hot forging technology, we give the carabiner its perfect and solid body shape. Once the biner has been forged, the excess material must be removed. This is achieved by using a precision clipping press. The biner's body is calibrated after that to the highest accuracy.

► Heat treatment

To obtain the target stiffness and strength, the metal needs to be further refined with heat treatment. The heat treatment is a process of heating and rapid cooling of the material. The final stiffness and strength of the carabiner depends on this process. The temperature, pressure and process time are crucial here and are monitored closely.

► CNC work – Computer Numerical Control

The term "CNC work" means to work with Computer Numerical Control tools to shape the biner bodies for the installation of gates and locks. Put simply, it is the automatic shape forming of the carabiner's parts according to engineer data. The whole process is computer-controlled and machines specialized for CNC automation produce piece by piece with very high accuracy.

► Metal surface finishing

To get the ideal smooth surface without any sharp edges, the product must be ground for hours in vibrating bath tubes containing grinding segments. The sizes of these segments are carefully selected and also the process time is adjusted to needs. After surface smoothing, anodizing follows. This is an electrochemical process that gives the carabiner a harder and colored finish. Anodizing also protects the metal from oxidation. The result is a smooth body, perfectly prepared for contact with hands and rope.

► Assembly

After hard metal machining comes the clean work of assembling all the finished metal parts into the final product. Small components like springs or the lock axle are also very important parts, on which depend the functionality and safety of the final product. Each of these small components must be carefully checked and selected. The assembly is done by hand by qualified workers, who ensure the perfection of each piece. Pressing the gate pin into the biner is the last step. Following that, the carabiners function is checked repeatedly and after that it can be delivered to the output control.

► Screening and testing

The quality and functionality of the final product is tested as follows:

- An individual strength test of the closed gate carabiner by 10 kN force,
- Hardness and stiffness tests, which are performed on selected pieces according to EN standards.

The test equipment is subject to regular inspection and calibration. The final screened and tested carabiner receives a unique ID marking, and also individual documentation of every production phase.



Hot forging



Anodizing



Anodizing



Assembling



Laser marking



Testing



The collection of Ocún carabiners for the season 2012/13 represents the core assortment of the most frequently used shapes and types. Each type of carabiner has been developed for a specific purpose and use.

Carabiners in the Ocún product range have many common features and elements:

- › all carabiner bodies are made of the aluminum alloy Al 7075, and are hot forged and heat treated using the T6 process,

- › the body shape of Ocún carabiners always excellently combines factors of strength, functionality and ergonomics,

- › a lightweight construction of the I beam profile brings weight to its minimum and maximizes strength,

- › a large radius of the cross-section and smooth body shape of the rope contact point preserve the rope or slings and prolong their lifetime,

- › wider marginal parts of safety locks (screws) for higher strength and ergonomics,

- › anodized finishing and detailed attention to performance make for a top class product,

- › a highly visible logo position helps to build the climber's trust and loyalty to the brand.

GROUP OF D SHAPED, ASYMMETRIC CARABINERS

These carabiners are extra light-weight, strong and for all-round use. In this group, Ocún offers 2 types:

- › **HAWK WIRE** – a light-weight carabiner for sport routes and all types of use, where every gram counts and the features of the wire gate are important.
- › **FALCON K-LOCK** – a very strong and safe carabiner for traditional and bigwall climbing with longer distances between belay points.

GROUP OF LOCKING CARABINES

Ocún offers 3 types in this group:

- › **FALCON Screw** – an asymmetric, D shape carabiner that is a screw gate variant of the Falcon K-lock, with an amazing weight / strength ratio.
- › **EAGLE HMS** – a modern, light and ergonomic HMS carabiner with a K-lock system, with 2 variants of lock system: screw and twist-lock.
- › **OSPREY** – a slightly asymmetric carabiner of an oval shape with a great strength parameter. This carabiner is suitable for aid bigwall climbing, and invaluable on working with pulleys. It is offered in 3 variants of lock system: screw, twist-lock (automatically locking), triple-lock (automatically blocking, auto-saving).



red ▶



green ▶



blue ▶



FERRY

Art. 02692



A MODERN BELAY AND RAPPEL, ULTRA-LIGHT DEVICE.

Ferry is a new product of sophisticated design, created with use of modern computer and engineering technology. The V shape of the channels is highly efficient and rope-friendly solution. Recommended for single ropes from 9–11 mm and double ropes from 7.8 to 9.5 mm.

Can be used for:

- › ascending or descending with one or two climbers
- › single or double rope
- › 2 friction modes
- › rappelling
- › lowering
- › Colors: red, green, blue

OVAL Screw

Art. 00130

- › Oval shaped
- › Screw gate
- › Material: Stainless steel
- › Silver zinc plated

◀ ▶ 25 kN

161 g EN 12275, EN 362



OVAL Twist

Art. 00131

- › Oval shaped
- › Twist-lock gate
- › Material: Stainless steel
- › Silver zinc plated

◀ ▶ 25 kN

197 g EN 362



D-BINNER Screw

Art. 00132

- › Screw gate
- › Material: Stainless steel
- › Silver zinc plated

◀ ▶ 28 kN

233 g EN 362



D-BINNER Twist

Art. 00133

- › Twist-lock gate
- › Material: Stainless steel
- › Silver zinc plated

◀ ▶ 28 kN

233 g EN 362



HMS Screw

Art. 00134

- › Screw gate
- › Material: Stainless steel
- › Silver zinc plated

◀ ▶ 27 kN

240 g EN 362



HMS Twist

Art. 00135

- › Twist-lock gate
- › Material: Stainless steel
- › Silver zinc plated

◀ ▶ 25 kN

258 g EN 362



HANGER

Art. 00138

- › Material: Stainless steel

◀ ▶ 27 kN

44 g EN 362



QUICK LINK

Art. 00139

- › Screw gate
- › Material: Stainless steel, polished

◀ ▶ 35 kN | 10 kN | Ø 8 mm

71 g EN 12275, EN 362



VIA FERRATA Y-form

Art. 00048

SHOCK ABSORBER FOR VIA FERRATA.

Recommended use: via ferrata, rope centers.

- › Tested system for via ferrata with Y construction
- › System of fall energy absorption using brake and rope
- › Key-lock „K” type carabiner with CE EN 12275
- › Tie-in point using loop with twisted webbing
- › Elastic webbing with 50 to 90 cm prolongation
- › Aluminum carabiner for attaching the free end of VF to the harness

Weight: 490 g

EN 958

CE



VIA FERRATA Rip 'n' stop

Art. 02245

SHOCK ABSORBER FOR VIA FERRATA.

Recommended use: via ferrata, rope centers.

Maximum impact force at dynamic testing (EN 958) is below 6 kN during whole breaking action.

- › Safer Y construction for via ferrata
- › System of fall energy absorption using tear webbing
- › Key-lock „K” type carabiner with CE EN 12275
- › Central loop for resting or for fixed belay point
- › Elastic webbing with 50 to 90 cm prolongation
- › Shock absorber covered by polyester cover

Weight: 450 g

EN 958

CE



Thanks to synergy of our experience and knowledge of production technologists, Ocun can offer ropes with modern construction and superior parameters, braided purposely for each group of users.

ULTIMATE 9,4 mm

ULTIMATE LIGHTWEIGHT SPORT CLIMBING ROPE, AIMED TO THE HARDEST SPORT CLIMBS.

During its development were implemented top climbers' experiences and latest dynamic rope production technologies. To impregnate, there is used Teflon® fibre protector technology, which creates protecting shell on the whole surface of the rope, increasing the resistance of the sheath and the core.

Lenght (m)	Art.
60	02454
70	02455
80	02456
Color: green	Packing: 60, 70, 80 m



SHOGUN 10 mm

ALL-ROUND ROPE WITH GREAT TECHNICAL PARAMETERS AND UNIQUE HANDLING.

The rope is destined to be used on rocks, and also on the climbing wall. Technical features make it possible for the rope to be used also on multi-pitches and bigwalls.

Lenght (m)	Art.
50	02457
60	02458
70	02459
Color: blue	Packing: 50, 60, 70 m



DURANCE 10,4 mm

THE MOST DURABLE ROPE IN THE COLLECTION.

Great durability, high reliability and number of falls are features which make the rope the best for climbing walls, rope centers and climbing courses. Thanks to the parameters, the rope can be used also for rock climbing.

Lenght (m)	Art.
1	02460
30	02461
Color: anthracite / violet	Packing: 30, 200 m

TUBULAR WEBBING PAD

- Polyamide webbing
- Strength: 16 kN
- 100 m spool

Width	Color	Weight	Art.
16 mm	ice mint	36 g/m	02362
19 mm	carrot	36 g/m	02364
EN 565	CE		



Dynamic ropes	Ultimate	Shogun	Durance
Diameter (mm)	9,4	10	10,4
Weight (g/m)	58	65	68,5
Number of falls UIAA	5-7	9	9
Impact force (kN)	7	7,2	8,7
Static elongation (%)	8,9	7,1	7,1
Dynamic elongation (%)	35	33	32
Knotability	0,8	0,8	0,7
EN 892	CE		

INCUBATOR

Art. 02471



LARGE CRASHPAD WITH THE AREA OVER 2,0 m² FOR DEMANDING USERS. OPTIMIZED VOLUME FOR TRANSPORTS.

- › Construction: 3-piece; 2 bent parts, 1 folded
- › Dimensions: 2.1 × 1.0 m
- › Thickness: 10 cm
- › Inner filling: 20 mm PE foam / 60 mm PUR foam / 20 mm PE foam
- › Outside cover: Nylon, CORDURA® Ballistic and Cordura 650d with Teflon® fabric protector
- › Color: red
- › Features: aluminum hook buckles, fixation flaps for easy packing, open position lock, carpet 50 × 30 cm, padded shoulder strap for carrying, 2 rubber handles

Weight: 8.8 kg



DREAMTIME

Art. 02469



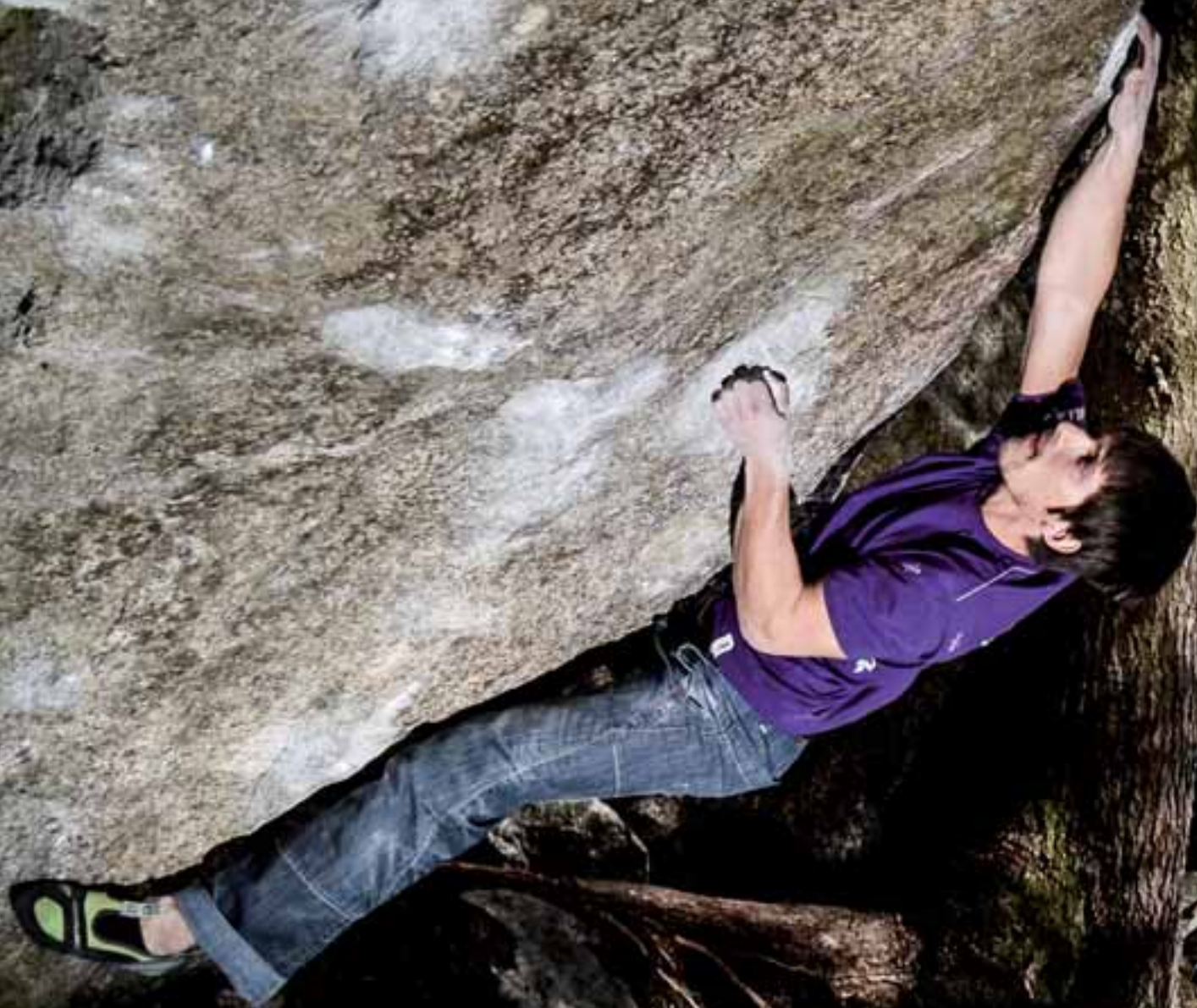
HUGE CRASHPAD WITH THE AREA OF 2,0 m², ONE PIECE, WITH EASY MANIPULATION DURING BOULDERING. ROLL SYSTEM WITH 2 FLAPS ENABLING PACKING OF ADDITIONAL MATERIAL.

- › Construction: 1-piece rolling
- › Dimensions: 2.0 × 1.0 m
- › Thickness: 9 cm
- › Inner filling: 20 mm PE foam / 50 mm PUR foam / 20 mm PE foam
- › Outside cover: Nylon, CORDURA® Ballistic and Cordura 650d with Teflon® fabric protector
- › Color: blue
- › Features: aluminum hook buckles, fixation flaps for easy packing, carpet 50 × 30 cm, padded shoulder strap for carrying, 2 rubber handles

Weight: 7.6 kg



CLIMBING SHOES



ocün

DOMINATOR



Art. 02472

Nominee 2012
Product



CRASHPAD FOR THE MOST DEMANDING BOULDERISTS, RECOMMENDED FOR HIGHBALLS AND MAXIMALLY EQUIPPED WITH ALL FEATURES. FILLED WITH NEW PATENTED OCUN SOLUTION FTS ABSORPTION BLOCK®.

- Construction: 2-piece, two way opening – Two in One SIZE®
- Dimensions: 1.0 × 1.32 m or 2.0 × 0.66 m
- Thickness: 14.5 cm
- Inner filling: 20 mm PE foam / 110 mm FTS Absorption Block® / 15 mm IFO foam
- Outside cover: Nylon, CORDURA® Ballistic and Cordura 650d with Teflon® fabric protector, Plastel at the bottom
- Color: yellow
- Features: aluminum hook buckles, 2 locking velcro straps stopping the pad to close without a purpose, carpet 50 × 30 cm, padded shoulder strap for carrying, 2 rubber handles, side multipurpose fixation loops

Weight: 6.4 kg



MOONWALK

Art. 02470



PERFORMANCE CRASHPAD WITH MANY CONSTRUCTIONAL DETAILS, RECOMMENDED FOR ALL TYPES OF BOULDERING INCLUDING HIGHBALLS.

- Construction: 2-piece, two way opening – Two in One SIZE®
- Dimensions: 1.0 × 1.32 m or 2.0 × 0.66 m
- Thickness: 11 cm
- Inner filling: 20 mm PE foam / 50 mm PUR foam / 40 mm PE
- Outside cover: Nylon, CORDURA® Ballistic and Cordura 650d with Teflon® fabric protector, Plastel at the bottom
- Color: green
- Features: aluminum hook buckles, 2 locking velcro straps stopping the pad to close without a purpose, carpet 50 × 30 cm, padded shoulder strap for carrying, 2 rubber handles, side multipurpose fixation loops

Weight: 6.3 kg





SUNDANCE

Art. 02473



UNIVERSAL CRASHPAD WITH LONG TIME PROVEN OCUN TECHNOLOGIES, RECOMMENDED FOR EVERYDAY BOULDERING.

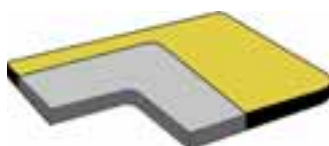
- › Construction: 2-piece, two way opening – Two in One SIZE®
- › Dimensions: 1.0 × 1.2 m or 2.0 × 0.6 m
- › Thickness: 9 cm
- › Inner filling: 40 mm PE foam / 50 mm PUR foam
- › Outside cover: Nylon and Polyamide with fabric protector, Plastel at the bottom
- › Color: yellow or wine
- › Features: aluminum hook buckles, padded shoulder strap for carrying, 2 rubber handles

Weight: 4.4 kg



QUACK

Art. 02474



MINIMALISTIC STARTER CRASHPAD, RECOMMENDED FOR EASY BOULDERING AND AS A SUPPLEMENTARY PAD.

- › Construction: 1-piece folding
- › Dimensions: 1.0 × 0.66 m
- › Thickness: 4 cm
- › Inner filling: 40 mm PE foam
- › Outside cover: Nylon and Polyamide with fabric protector, Plastel at the bottom
- › Color: green
- › Features: aluminum hook buckles, padded one-shoulder strap for carrying, 1 webbing handle
- › Possible to fix and use as a chair

Weight: 1.6 kg




CARPET

Art. 00063

CARPET FOR CLEANING OF THE SHOES BEFORE ENTERING THE BOULDER. SAME AS USED AS A PART OF THE CRASHPADS.

- › Dimensions: 50 × 30 cm
- › This product is not intended for falls absorption.

WHICH CRASHPAD IS THE RIGHT ONE?	Construction	Size "open"	Packing	Size "packed"	Layers	Absorption effect	Zippered system 2-in-1	Carrying system	Weight	Recommended for
INCUBATOR 		210 × 100		100 × 55 × 45	3	...			8.8	Most compact giant crash pad on the market
DREAMTIME 		200 × 100		104 × 72 × 40	3	...			7.6	Extreme one-piece crash pad
DOMINATOR 		100 × 132; 200 × 66		100 × 66 × 29	FTS	•		6.4	Unique FTS absorption system, solution for highballing
MOONWALK 		100 × 132; 200 × 66		100 × 66 × 22	3	...	•		6.3	Great value for money, possible to join more crashpads parallelly
SUNDANCE 		100 × 120; 200 × 60		100 × 66 × 18	2	..	•		4.4	Full-blown, quality crashpad for a great price
QUACK 		100 × 66		50 × 66 × 10	1	•			1.6	Basic one-piece crash pad

CRASHPADS OCÚN

Ocun started to produce its crashpads in 1999 and one could say that Ocun was a pioneer in bringing those fall absorbing mattresses into everyday usage. Development of crashpads from that time did not evolve in some more revolutionary way. Still a textile sewed cover is being used, filled with foams of different density and width. Everything seems to be very simple at the first look, but not really. Demands of Ocun for perfect functioning of a product are huge. Hitting the mattress must be as much comfortable and safe as possible, so Ocun is pushing the evolution curve of its crashpads further. Ocun realizes that crashpad is heavily used during bouldering or climbing and cannot be transported to a destination by truck.

From these we can derive basic criteria:

- › effective fall absorption depending on constructional height,
- › long-term durability of cover including buckles and reliability of foam insert,
- › optimised dimensions and weight, packing and carriage.

FALL ABSORPTION

Inner filling of the crashpads provides fall absorption. Impact energy of a fall is absorbed by deformation of the foams, which due to their layer composition with different structure and different resistance to pressure absorb part of this energy.

› **Top layer** consists of tough polyethylene foams with closed cell structure. (Such foam does not release air upon pressing and therefore is far more stable during pressure and folding, and at the same time it does not soak water in.) Ocun uses physically cross-linked foams which show many times higher stability of parameters and features compared to chemical, or expanded foams of lower price categories. This top layer provides plate pressure distribution into middle layer.

› **Middle layer** is made of polyurethane foam with open cell structure, which absorbs by its deformation part of the impact energy. Deformation is accompanied by releasing the air out of the open foam structure. Structure of this foam, its parameters of resistance against pressure and permeability of the cover influence the final process of fall absorption.

In 2012 season, Ocun came with new unique FTS absorption block® – solution which is combining

springing and absorbing functions thanks to a special system compound.

› **Bottom layer**, if used, has usually anti-breakthrough function. It absorbs boundary deformations caused by long falls, or sharp obstacle placed beneath the pad.

DURABILITY AND LIFETIME

Crashpad cover is exposed to severe load. Multiple landings, dragging on the ground, carrying over sharp obstacles, stones, dust. All of these make the requirements for material and constructional quality very high.

Most stressed parts are corners and border edges. These parts are being extremely neatly elaborated. Corners of all Ocun crashpads are rounded. Sides and border edges are being reinforced by the most durable material CORDURA® Ballistic. This heavy textile was originally developed for army purposes and its special fibers provide extra mechanical durability.

Also other parts are made of extra durable nylon fabrics. By most of the models is used again material from extra durable fibers CORDURA®,

here with finer structure 650d. These fabrics have surface treatment using Teflon® fabric protector, which is providing water repellency features and mechanical durability.

Another very important component of Ocun crashpads are metal hook buckles from high-strength Alloy A6061 T-6.

The filling of a crashpad, using different foams, is not undestroyable. Thus it is the quality of these materials, which influences highly the long-term functionality and therefore satisfaction of the user. Cyclical pressing of the foams, which happens during usage of the crashpad, can cause larger or smaller change in original features. This is affected by construction of cell structure, its stability given by foam type and foaming technology. This is the place, where money-oriented solutions are not wanted, and that is why Ocun uses only foams with tested resistance to dynamic stress. That is why Ocun crashpads are appreciated by boulderists all over the world. You will not see Ocun crashpads with pressed holes on the side of spotting place, not to be used in the most exposed area.



© Claudia Ziegler

DIMENSIONS AND CARRIAGE

Question of correct dimensions is the single biggest dilemma of those, who buy their first crashpad. This is well understood by Ocun climbers not only because we are heavily testing all our gear in the rocks, where we have to transport the pads, but also because we transport the pads to the customers. We optimized the sizes.

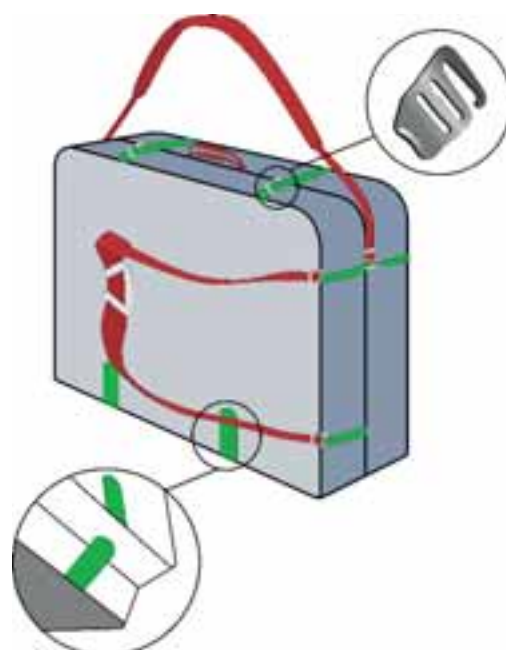
Which is the correct size of the crashpad? Answer is simple, our unique Two in One SIZE® which was firstly introduced on our Paddy22 in the year 2000. It is a simple system, where two parts are connected on two sides, using a quality strong zipper. Open crashpad can have symmetrical large pad shape, or long open shape suitable for traverses, sleeping, exercise, or massage. The one whose choice is large pad in the size of an airport chooses maximum size pad 2×1 m. For starting pad we have diameters 100×66 cm as sufficient. In this case it does not need to have thickness for highballing.

When mentioning the thickness, we come back to the topic of foams. It is not always true that the thicker the more comfortable for falling. That is why Ocun solves the most effective physical parameters of foams and their place in the layering.

Basic dimensions of Ocun crashpads must fulfill tough internal rule (and do not say this to our competitors), it must fit a VW Golf luggage space and cannot exceed the parcel service surcharge dimensions.

Dragging the crashpad from boulder to boulder, walking a long way to access your new project, or only going by train outside your hometown can be very tiring without comfortable and variable carrying system. Plus the weight... Ocun knows that there cannot be compromises. Every pad has padded shoulder straps, which can be used

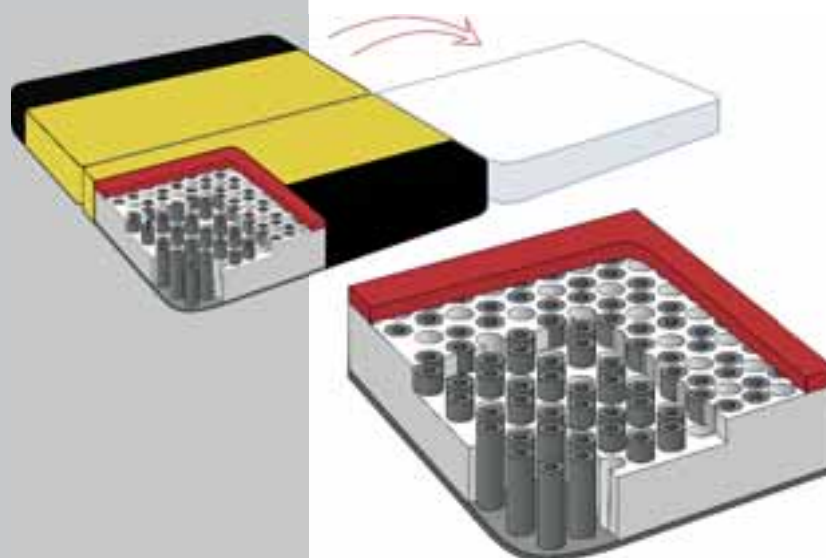
as backpack or over the shoulder. Thanks to a practical hook buckle it is possible to adjust the length exactly as you need. Besides 2 rubber carrying handles, the pads are equipped with series of side loops. These side loops can be used for attaching the shoulder strap, but also as material loops, carrying loops, fixation loops (on the ground, attaching one crashpad to another, making a seat).



► FTS Absorption Block

Foam Tubes Suspension® is a suspension block of completely new and original patented construction. Most of the suspension pads are based on a principle of horizontal layering of foams with different features. Mostly used system is tough polyethylene foam on the top, which is distributing the pressure as plate to the middle polyurethane foam. This serves as main deformation area. In some constructions one can find also bottom, anti-breakthrough, layer from polyethylene foam. This system can be only effective if you fall in the middle of the pad. In case you hit sides or a connection point, the suspension becomes less effective.

FTS is differing from all other systems mainly in the parameter that the composition of foams is not horizontal but vertical. It has the same damping features in the whole area of the pad including sides. How does it work? A top plate from polyethylene foam is underlayed not only by polyurethane foam with open cells, which release air while pressed. Inside of the polyurethane block, there are systematically placed tube supports from polyethylene foam with closed cells. Resistance against pressure is by this system larger and evenly spread to side parts of the pad. Deformation of polyethylene foam tubes caused by the pressure is developing to the sides, thus helping to increase the overall damping efficiency of the whole block.



FTS
ABSORPTION BLOCK

HOLDS

Anatomic shapes that take care of fingers and skin, purposed for demanding training, based on Polyester resin.

FINGER BOARD

Art. 02453

TRAINING BOARD FOR HOME AND PROFESSIONAL USAGE.

- › Wide range of grips, sizes and shapes
- › Dimensions: 64 × 18 × 5.5 cm

Weight: 1,35 kg



HOLDS

- › Colors: white, black, yellow, violet
- › 10 pcs in the package
- › 2× XS, 2× S, 2× M, 2× L, 2× XL



SET 1 – Pinches

Art. 00164



SET 3 – Modulares

Art. 00166



SET 2 – Slopers

Art. 00165



SET 4 – Edges

Art. 00167



SET 5 – Jugs

Art. 02695

FOOTHOLDS SET 1 – Bolt-on

Art. 02696

- › Colors: white, black, yellow, violet
- › 20 pcs in the package

100% organic magnesium carbonate has excellent friction ratings for the best performance on rocks and artificial climbing walls.

CHALK BALL 35 g

Art. 00158

Weight: 35 g



CHALK CUBE 56 g

Art. 00159

Weight: 56 g



CHALK DOSE 125 g

Art. 00160

Weight: 125 g



CHALK RATTLE 250 g

Art. 00162

Weight: 250 g

CHALK LIQUID 100 ml TUBE

Art. 00161

Weight: 100 g

TAPE 25 mm × 10 m

Art. 00163

- › Premium quality athletic tape for protection of your fingers
- › Width: 25 mm
- › Length: 10 m
- › Excellent adhesivity
- › Material: 100% cotton

Weight: 56 g



TAPE 50 mm × 10 m

ART. 02468

- › Premium quality athletic tape for protection of your fingers
- › Width: 50 mm
- › Length: 10 m
- › Excellent adhesivity
- › Material: 100% cotton

Weight: 112 g

CHALK BAGS

FUNNY

Art. 00056

- › Size: medium
- › Material: cotton fabric
- › Colors: assorted
- › Elastic brush holder

Weight: 90 g



HAPPY

Art. 00057

- › Size: medium, wider shape
- › Material: cotton fabric
- › Colors: assorted
- › Elastic brush holder

Weight: 95 g



MID

Art. 00058

- › Size: medium, cylinder shape
- › Material: Polyamide fabric
- › Colors: assorted
- › Elastic brush holder

Weight: 93 g



BIG

Art. 00054

- › Bigger version of MID, cylinder shape
- › Material: Polyester fabric, duvetyn
- › Colors: assorted
- › Elastic brush holder

Weight: 110 g



BOULDER BAG

Art. 02462

HIGH-CAPACITY CHALK BAG FOR BOULDERING.

- › Brush holders on sides, zippered pocket on the back
- › 2 rubber handles
- › Chalk ball and towel integrated
- › Material: Plastel
- › Color: black

Weight: 265 g



CHALK BAG BELT

Art. 00066

- › Nylon webbing, width: 16 mm
- › Color: black
- › Adjustable snap DURAFLEX buckle

Weight: 16 g





CASE 30

Art. 01637

USEFUL AND DURABLE RUCKSACK FOR CLIMBING EQUIPMENT.

- › Capacity: 30 l
- › Long back (YKK) zipper for easy access
- › Outside gear loops
- › Small side-pocket
- › Material: Polyester and Cordura



CASE 40

Art. 00059

USEFUL AND DURABLE RUCKSACK FOR CLIMBING EQUIPMENT.

- › Capacity: 40 l
- › Long back (YKK) zipper for easy access
- › Outside gear loops
- › Small side-pocket
- › Material: Polyester and Cordura



ROPE BAG

Art. Cordura 00061 / Art. Polyester 00062

FUNCTIONAL ROPE BAG THAT KEEPS THE ROPE CLEAN AND TANGLE FREE.

- › Accessories: Polyamide sheet with Polyurethane finishing for rope protection
- › Colors: assorted
- › Material: Polyester or Cordura
- › Zipper: YKK
- › Buckles: DURAFLEX



MESS

Art. 00060

ALL-ROUND OVER-SHOULDER BAG.

- › Material: washable Plastel
- › Zipper: YKK
- › Buckles: DURAFLEX
- › Comfortable shoulder carrying strap
- › 1 large zippered pocket
- › 1 inside small pocket
- › Colors: black, yellow



SLACK LINE PRO

Art. 02018

**SLACK LINE FOR THOSE WHO ALREADY HAVE THEIR OWN ANCHORING SYSTEM.
INCLUDES BUCKLE TIGHTENING SYSTEM.**

- › 15 m slack line webbing with buckles for length adjustment
- › Steel buckle set and webbing for pulley construction
- › Carry bag
- › Tie-in points reinforced by protective webbing

Weight: 850 g



SLACK LINE PRO SET

Art. 02019

FULL SET INCLUDING ANCHORING SYSTEM.

- › 15 m slack line webbing with buckles for length adjustment
- › Steel buckle set and webbing for pulley construction
- › 2x PAD o-slings (240 cm) for anchoring the slack line,
2 oval Aluminum screw carabiners
- › 2 carpets for protecting tie-in points (tree trunks)
- › Tie-in points reinforced by protective webbing
- › Carry bag

Weight: 1200 g

SLACK LINE TRICKY

Art. 00077

WEBBING WITHOUT ANY ANCHORING SYSTEM.

- › 15 m slack line webbing with buckles for length adjustment
- › Carry bag

Weight: 700 g



SLACK LINE TRICKY SET

Art. 00076

FULL SET INCLUDING ANCHORING SYSTEM.

- › 15 m slack line webbing with buckles for length adjustment
- › 2x PAD o-slings (240 cm) for anchoring the slack line
- › 3 oval Aluminum screw carabiners
- › Carry bag

Weight: 1600 g



KEYHANGER

Rock Pillars: Art. 02356 / Ocùn: Art. 00067

KEYHANGER IN QUICKDRAW SLING STYLE, WITH PLASTIC CARABINER.



KEYHOLDER

Rock Pillars: Art. 02354 / Ocùn: Art. 00068

KEYHANGER IN QUICKDRAW SLING STYLE.



ROCK PILLARS STICKERS



Width (mm)	Art.
60	02166
120	02167



Width (mm)	Art.
60	02168
120	02169

OCÚN STICKERS



Width (mm)	Art.
120	00445



Width (mm)	Art.
60	00447



Width (mm)	Art.
50	00446

SPACEWALL SHELF RP

Art. 02709



HARNESS DISPLAY

Art. 00073

› Material: suspension - metal, loops - plastic



DOORMAT

Art. 02708



STOOL

Art. 02358

WOODEN STOOL IN CLIMBING STYLE.



CRASH PAD BENCH

Art. 02697

PRACTICAL BENCH IN CRASH PAD STYLE, WHICH CAN BE USED AS AN EFFECTIVE CRASH PAD DISPLAY.

- › Folding construction
- › Material - construction: spruce wood
- › Compatible with Ocùn crash pads: Dominator, Moonwalk, Sundance





LOGO BANNER

Rock Pillars: Art. 02698 / Ocun: Art. 02699

- › Material: Plastel, metal rings on edges
- › Size: 120 × 60 cm



IMAGE BANNER

Rock Pillars: Art. 02700 / Ocun: Art. 02701

- › Material: Plastel, metal rings on edges
- › Motifs assorted
- › Size: 80 × 142 cm

ROLLER-UP BANNER

Art. 02702

MOBILE, ROLL-UP PRESENTATION BANNER WITH A PRODUCT MOTIF

- › Light, stabile, easy and fast installation
- › Motifs possible to change
- › Rock Pillars motifs in our offer: Ozone QC, Rebel LU
- › Ocun motifs in our offer: Ego, Paddy Dominator
- › Material – construction: aluminum
- › Color: silver
- › Material – banner: polybanner roll-up 190mic, prevents twisting the vertical banner edges, water and moisture resistant, scratch resistant
- › Size: 120 × 200 cm
- › Weight: 4 kg



FLAG BANNER

- › Nontraditional, dynamic, drop-shaped
- › Light, compact construction, easy installation
- › Can be delivered with indoor holder or spike for outdoor presentation
- › Material – construction: holder – steel, rod – fibreglass and carbon
- › Material – flag: coated polyester bunting for indoor and outdoor applications, UV resistant
- › Height and weight incl. holder: 3,5 m / 2,6 kg; 4,6 m / 3 kg

PROMO STAND

Art. 02707

ROBUST AND DURABLE PRESENTATION STAND OF SCISSORS CONSTRUCTION, INTENDED FOR THE MOST DEMANDING CONDITIONS. INSTALLATION DOES NOT TAKE MORE THAN 2 MINUTES.

- › Material – construction: hardened aluminum, legs' profile 4 × 4 cm, bolted joints
- › Material – canvas: roof PES with PU coating 220 g/m², water resistant, mildew and fire resistant
- › Walls with double-faced logo printings, possible to choose the motif



EXPERIENCE > VISION > INNOVATION



Ocún, Rock Pillars
RP Komponent, spol. s r. o.
Velenského 400, 294 21 Bělá pod Bezdězem
tel./fax: +420 326 211 701 › email: info@rpkomponent.cz

www.rockpillars.com
www.ocun.com