

edelweiss



edelweiss  
Solid mountain gear

SPORT 2018

english

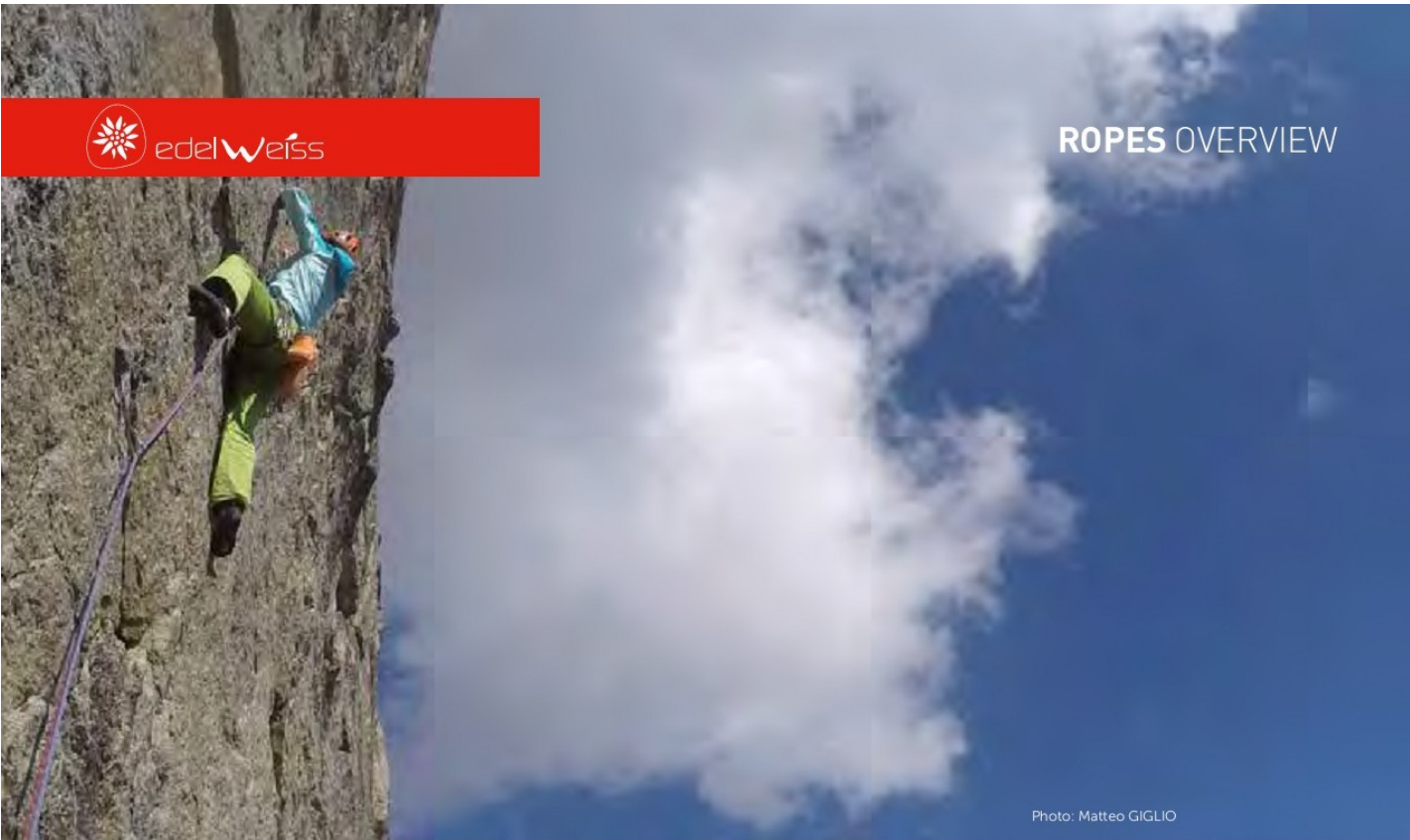


Photo: Matteo GIGLIO

LINE	DOMAIN	NAME	TYPE					CONCEPTS						TREATMENTS		
			①	④/2	⊙	Type A	Type B	unicore	AQUA Flex	perform3	HD cover	OFlex	mid rope	Sharp edge	everdry	super everdry
Perform3	All terrain	Element II 10,2 mm	●					○		●	●		●			○
Perform3	All terrain	Curve 9,8 mm	●					○		●	●		●			○
Perform3	All terrain	Energy 9,5 mm	●					○		●	●		●			○
Perform3	All terrain	Lithium-2 8,5 mm		●						●	●					○
Perform3	All terrain	Oxygen II 8,2 mm		●				●		●	●					●
Spirit	Climbing	Power 10 mm	●					●					●		●	
Spirit	Climbing	Excess 9,6 mm	●					●					●		●	
Spirit	Expert	Performance 9,2 mm	●	●	●			●					●		●	○
Spirit	Expert	Elite 7,8 mm		●	●			●								●
	Glacier	Discover 8 mm			●											●
Essential	Climbing	Toplight II 10,2 mm	●										●			
Essential	Climbing	Flashlight II 10 mm	●										●			
Essential	Climbing	Rocklight II 9,8 mm	●										●			
O-flex	Indoor	O-flex 10,2 mm	●								●	●	●			
O-flex	Indoor	O-flex 9,8 mm	●								●	●	●			
	Canyon	Canyon 10,6 mm				●			●						●	
	Canyon	Canyon 10 mm				●			●						●	
	Canyon	Canyon 9,6 mm					●		●						●	
Rescue		Magnetic 11	●										●	●		●
Rescue		Geos 10,5	●										●	●		○
Rescue		Extrem II 9mm		●									●	●		●
		Promax 11 mm				●		●								
		Speleo 11 mm				●										
		Speleo 10,5 mm				●										
		Speleo-2 10 mm				●										
		Speleo-2 9 mm					●									

● is standard

○ is optional



## Unicore

An astonishing process, bonding rope sheath and core without affecting the rope's suppleness.

Even in the hardest conditions of use sheath slippage is suppressed. If the sheath is cut or torn, core and sheath remain bonded together. With a standard rope, if the sheath is cut by abrasion over an edge, a frequent occurrence in work at height and in rescues, it slides and gathers over some metres. It then becomes impossible to pass this zone, either to ascend or to descend. If the problem occurs near to the end of the rope the sheath may slide off completely, and the user fall to the ground. With the UNICORE process the sheath remains in place and the user may escape, either by descent or ascent, taking all necessary precautions. He/she is not stuck without a solution on the rope. The UNICORE process brings an undeniable gain in security during delicate and dangerous operations.



## AQUA-Flex

Edelweiss AQUA-Flex ropes conception is really different from the competition. The rope cover sheath uses a combination of the performance of Polyamide and Polyester. The benefits are better abrasion resistance and a shrinkage in water divided by 3. Edelweiss AQUA-Flex ropes remain flexible and manageable throughout their lifetime.



## Perform 3

Edelweiss, thanks to years of experience in designing products dedicated to verticality, presents its exclusive rope construction: **PERFORM 3**.

This development applied to a wide range of dynamic ropes provides the following benefits:

1. improved flexibility = increased comfort.
2. improved energy absorption = increased safety.
3. weight reduction = increased performance.



## HD Cover

HD Cover is a technology through which, each cover thread is individually controlled, as opposed to standard braiding where the threads are controlled by pairs.

With this High Definition braiding and although the thickness of the sheath remains the same, the rope surface is much smoother than with a standard braiding, the rope doesn't generate extra braking in belay systems and actions become more comfortable; another positive consequence, the wear due to abrasion is also reduced and the rope lifetime accordingly extended.



## O-Flex

The O-Flex process created and used by Edelweiss to build its indoor ropes consists in an innovative braiding system and a single perfectly round core element. It creates a round and incredibly flexible rope. This indoor rope will keep its flexibility and perfect cohesion throughout its life. Tests have shown that on artificial climbing structure the O-flex process multiplies by 2 to 3 the rope life span.



## Mid Rope Indicator

Middle-marking on the rope for easy checking and improved safety



## Everdry

Everdry has been our first dry treatment on ropes, developed in 1971. The Everdry treatment is applied to all fibres of the sheath to limit the consequences of humidity, rain or ice on the rope: heaviness and stiffening of the rope are substantially reduced by Everdry.



## Supereverdry UIAA Water Repellent

Historically Edelweiss was the first climbing rope maker to apply a SUPEREVERDRY treatment to its ropes. This treatment is applied to all fibres in the core and the sheath; the benefits are self-evident: in wet conditions the rope stays lighter, doesn't tend to stiffen due to freezing and dries quicker.

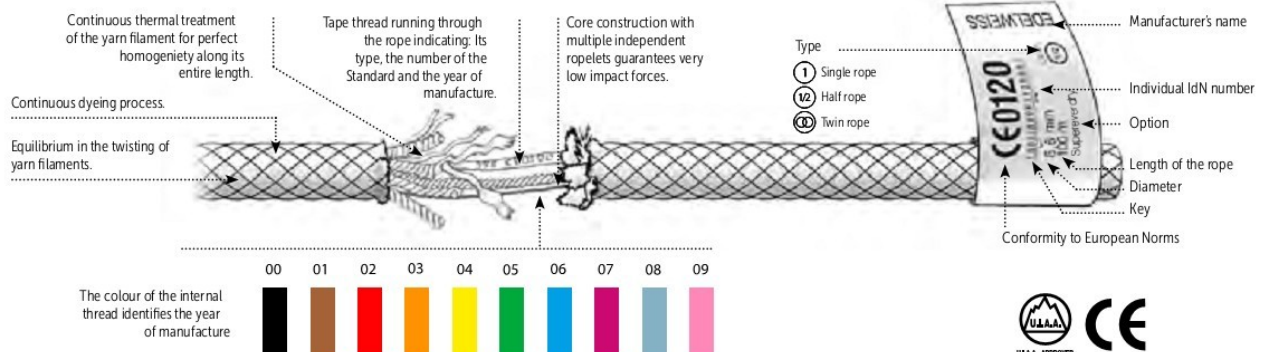
All the Edelweiss SUPEREVERDRY treated ropes exceed with success the new UIAA WATER REPELLENT standard. To succeed this test performed in certified laboratory, the rope after exposure to a severe water flow must absorb less than 5% of its weight. The results obtained by the SUPEREVERDRY treated ropes are 0.8 to 1.4% (average 1.1%) which has to be compared to the 40-50% absorbed by the non-treated ropes. How many other hydrophobic treatments can claim such perfect results?



## Sharp Edge Resistant

Edelweiss was the first climbing rope maker to bring Sharp Edge Resistant ropes. These ropes are able to resist a factor two fall on a sharp edge of 0,75mm radius. This is one major safety element. On the rock, you might find sharper edges, always keep your rope protected.

## ROPE language



## PERFORM 3 range

Edelweiss managed with its Perform3 range to associate thick sheath and HD-Cover braiding, thus offering a new and totally multi-purpose combination. It is the DNA of the SOLID ropes.

By the set of the available options everyone can choose in a specific diameter the rope the most adapted to their projects.

# ELEMENT II 10.2mm

①

ELEMENT II has the safety and performance features for all round success. With the Supereverdry option this ropes is labeled UIAA Water repellent (1,2% water absorption compared to a maximum of 5% required) it keeps the rope light and quick dry in wet conditions. Now featuring Unicore, it has outstanding abrasion resistance and lifetime, the HD Cover provides also smooth and supple handling.

### Data Sheet

Impact force factor 1,77:	<b>8,3 kN</b>
Number of falls factor 1,77:	<b>11</b>
First fall elongation:	<b>36 %</b>
Static elongation:	<b>9,3%</b>
Sheath slippage:	<b>0 mm</b>
UIAA Water repellent:	<b>1,2%</b>
Weight:	<b>66.0 g/m</b>
Material:	<b>Polyamide</b>
Norm:	<b>CE EN 892 - UIAA</b>

### ELEMENT II 10.2 Unicore supereverdry

Code: C3A102U  
 Color: ■ A-1103



### ELEMENT II 10.2 Unicore

Code: C3P102U  
 Color: ■ G-1506



### ELEMENT II 10.2 Perform3

Code: C3P102  
 Color: ■ H-1507



# CURVE 9.8mm

①

The CURVE is fluid, lightweight and suits climbers who want to progress to a higher level. Now also available in Unicore version, which makes for an even safer and more versatile rope to go for.

### Data Sheet

Impact force factor 1,77:	8,1 kN
Number of falls factor 1,77:	8
First fall elongation:	37 %
Static elongation:	9,4 %
Sheath slippage:	0 mm
Weight:	64 g/m
Material:	Polyamide
Norm:	CE EN 892 - UIAA

### CURVE 9,8mm Unicore Supereverdry

Code: C3A98U  
Color: ■ E 1606



### CURVE 9,8mm Unicore

Code: C3P98U  
Color: ■ B-1108



### CURVE 9,8mm Perform3

Code: C3P98  
Color: ■ D-1503



# ENERGY 9.5mm

①

Extremely light and dedicated to pure performance, the ENERGY is perfect for climbers of advanced to top level. The Energy 9,5mm holds its own as a high performing single rope made for long and hard routes. It keeps things thin, smooth, light and soft with its HD Cover, low impact force and reduced weight.

Data Sheet	
Impact force factor 1,77:	8,1 kN
Number of falls factor 1,77:	7
First fall elongation:	37%
Static elongation:	9,5%
Sheath slippage:	0 mm
Weight:	58 g/m
Material:	Polyamide
Norm:	CE EN 892 - UIAA

**ENERGY 9,5mm Unicore Superevrdry**  
 Code: C3A95U  
 Color: ■ D-1605








**ENERGY 9,5mm Unicore**  
 Code: C3P95U  
 Color: ■ E-1110







**ENERGY 9,5mm Perform3**  
 Code: C3P95  
 Color: ■ F-1604











## LITHIUM II 8.5mm

1/2

Half rope with outstanding ratio weight/durability, designed for alpinism on rock, snow or ice, the Lithium is built with outstanding durability and optimized weight. It has a very low impact force and a very high UIAA fall rating. With the Supereverdry option, it offers unparalleled performance in wet and abrasive conditions.

### Data Sheet

Impact force factor 1,77:	5,6 kN
Number of falls factor 1,77:	12
First fall elongation:	35 %
Static elongation:	11 %
Sheath slippage:	0 mm
UIAA Water repellent:	1,1 %
Weight:	48.0 g/m
Material:	Polyamide
Norm:	CE EN 892 - UIAA



### LITHIUM II 8,5mm Supereverdry

Code:	C3A85
Color:	■ E-1600 ■ F-1601



### LITHIUM II 8,5mm Perform3

Code:	C3P85
Color:	■ C-1602 ■ D-1603



## OXYGEN II 8.2mm

1/2

Oxygen II is a half rope of superb quality, performance and exceptional life span. Unicore now makes it even safer for the most severe terrain conditions. Its very low impact force and light weight make it great for long routes and demanding mountaineers. HD Cover greatly reduces abrasion and snags while allowing the rope to run fluidly through protection and across the rocks.

### Data Sheet

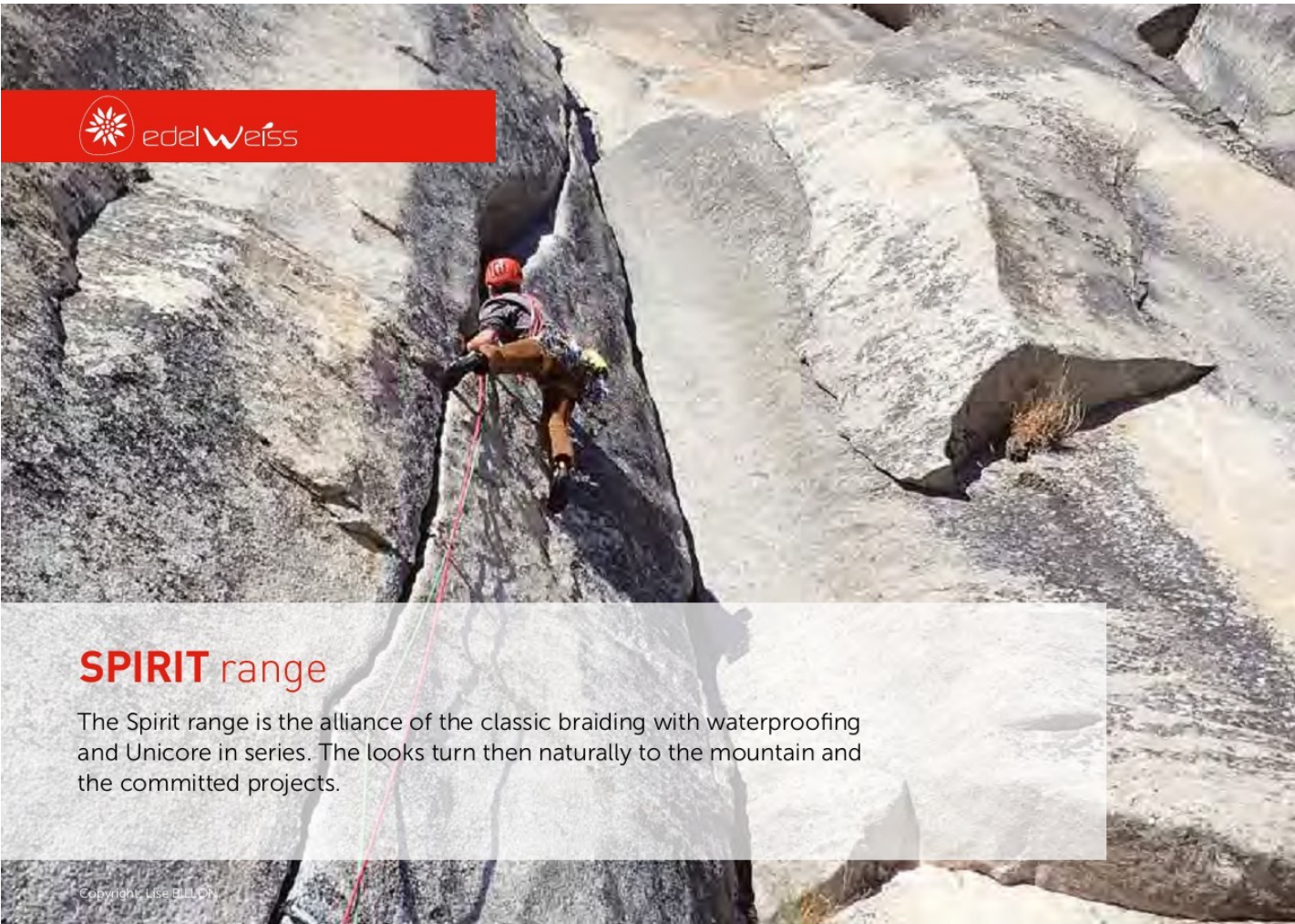
Impact force factor 1,77:	5,5 kN
Number of falls factor 1,77:	7
First fall elongation:	36 %
Static elongation:	9 %
Sheath slippage:	0 mm
UIAA Water repellent:	1%
Weight:	45.0 g/m
Material:	Polyamide
Norm:	CE EN 892 - UIAA



### OXYGEN II 8,2mm Unicore Supereverdry

Code:	C3A82U
Color:	■ B-1119 ■ C-1500





## SPiRiT range

The Spirit range is the alliance of the classic braiding with waterproofing and Unicore in series. The looks turn then naturally to the mountain and the committed projects.

Copyright: LISE BILLON

## ELITE 7,8mm



Its thinness and lightness are its first assets in the race to the superfluous gram, for all that the durability is not sacrificed thanks to a thick sheath and the Unicore system, the whole with a texture of classic braiding and the Supereverdry process. Here is thus the 7,8mm ELITE for the eponym mountaineers.

### Data Sheet

Type:	half rope	twin rope
Impact force factor 1,77:	5,5 kN	8,5 kN
Number of falls factor 1,77:	6	18
First fall elongation:	35 %	30 %
Static elongation:	9 %	9 %
Sheath slippage:	0 mm	
UIAA Water repellent:	1%	
Weight:	39 g/m	
Material:	polyamide	
Norm:	CE EN 892 - UIAA	



### ELITE 7,8mm Unicore Supereverdry

Code: C4A78U  
 Color: ■ A-1607 ■ B-1608



# PERFORMANCE 9.2mm



Being at once a certified half, twin and single rope, the PERFORMANCE is an hybrid product that synthesizes the extreme needs of experts. Performance 9.2 is the hybrid rope that synthesizes the extreme needs of serious climbers. The Performance is a certified half, twin and single rope. The Everdry/Supereverdry treatment makes this rope water and abrasion resistant, extending the life of the rope. Now featuring Unicore, the Performance brings even more safety in alpine terrain and enhanced lifetime. Trad, ice and alpine climbers call the Performance when every gram counts and the slightest bit of rope drag can mean the difference between success and failure on the sharp end.

### Data Sheet

Type:	single rope	half rope	twin rope
Impact force factor 1,77:	8,20 kN	6,00 kN	9,50 kN
Number of falls factor 1,77:	5	20	>25
First fall elongation:	37 %	32 %	29 %
Static elongation:	8 %	8 %	7 %
Sheath slippage:	0 mm		
UIAA Water repellent:	1,1%		
Weight:	52 g/m		
Material:	Polyamide		
Norm:	CE EN 892 - UIAA		



### PERFORMANCE 9,2mm Unicore supereverdry

Code: CA92  
 Color: ■ C-1400 ■ D-1401



### PERFORMANCE 9,2mm Unicore everdry

Code: CR92  
 Color: ■ A-1122 ■ B-1123



## POWER 10mm

①

The best way to define the rope POWER is to compare it with a tool perfectly designed for delicate conditions, classic texture and innovations improving the safety are on the menu of its complete specifications.

### Data Sheet

Impact force factor 1,77:	7,5 kN
Number of falls factor 1,77:	7
First fall elongation:	35 %
Static elongation:	5,5 %
Sheath slippage:	0 mm
Weight:	65 g/m
Material:	Polyamide
Norm:	CE EN 892 - UIAA

### POWER 10mm Unicore everdry

Code: C4R10U  
Color: ■ A-1609



## EXCESS 9.6mm

①

Associate innovation and tradition to conjugate performance and safety in hostile environment, here is the project of this rope EXCESS dedicated to the committed climbing.

### Data Sheet

Impact force factor 1,77:	7,5 kN
Number of falls factor 1,77:	6
First fall elongation:	35 %
Static elongation:	6,2 %
Sheath slippage:	0 mm
Weight:	59 g/m
Material:	Polyamide
Norm:	CE EN 892 - UIAA

### EXCESS 9,6mm Unicore everdry

Code: C4R96U  
Color: ■ A-1610



Courtesy of Jérôme SULLIVAN

## DISCOVER 8mm



Compact twin rope, designed for glacier walking.

### Data Sheet

Impact force factor 1,77:	9 kN
Number of falls factor 1,77:	14
First fall elongation:	32%
Static elongation:	7%
Sheath slippage:	0 mm
UIAA Water repellent:	1,2%
Weight:	42 g/m
Material:	Polyamide
Norm:	CE EN 892 - UIAA

### DISCOVER 8mm Supereverdry

Code: CAD08  
Color: ■ B-1611





## ESSENTIAL range

The purpose of the Essential range is clearly to propose ropes dedicated to the cliff, here no compromise or superfluous options, simplicity rhymes with efficiency.

Courtesy of Lise BILLON

## TOPLIGHT II 10,2mm

①

Toplight II 10.2mm is the all round work horse with a great mix of durability and rope handling. A low impact force also makes for a comfortable rope to climb with.

### Data Sheet

Impact force factor 1,77:	8,3 kN
Number of falls factor 1,77:	7
First fall elongation:	33 %
Static elongation:	9 %
Sheath slippage:	0 mm
Weight :	65 g/m
Material:	polyamide
Norm:	CE - EN 892 - UIAA

### TOPLIGHT II 10,2mm

Code: C2P102  
Color: ■ A-P11



## FLASHLIGHT II 10mm

①

Flashlight II is the go-to diameter for durability, ease of use and comfort of belaying. It sits right on the line between burly and thin single ropes, making it perfect for every day of climbing.

### Data Sheet

Impact force factor 1,77:	8,2 kN
Number of falls factor 1,77:	6
First fall elongation:	35 %
Static elongation:	8,7 %
Sheath slippage:	0 mm
Weight:	63 g/m
Material:	polyamide
Norm:	CE EN 892 - UIAA

### FLASHLIGHT II 10mm

Code: C2P10  
Color: ■ A-P10



## ROCKLIGHT II 9,8mm

①

Rocklight II is 9.8mm in diameter to excel in sport climbing and when weight saving is important. It delivers impressive stats in terms of impact force and UIAA falls.

### Data Sheet

Impact force factor 1,77:	8,1 kN
Number of falls factor 1,77:	6
First fall elongation:	35 %
Static elongation:	8,7 %
Sheath slippage:	0 mm
Weight:	61 g/m
Material:	polyamide
Norm:	CE EN 892 - UIAA

### ROCKLIGHT II 9,8mm

Code: C2P98  
Color: ■ A-P12



## O-FLEX range

For the indoor Edelweiss has developed its O-flex range which uses a unique and perfectly circular core, it allows to obtain outstandingly flexible and very round ropes. These indoor ropes will keep flexibility and total cohesion throughout their life. The fields tests showed that in Artificial Structure the range O-flex lasts 2 - 3 times longer.



## O-FLEX 10,2mm

①

Very supple rope developed for indoor climbing with the new O-Flex concept that creates superb handling and great abrasion resistance.

### Data Sheet

Impact force factor 1,77:	8,2 kN
Number of falls factor 1,77:	8
First fall elongation:	35 %
Static elongation:	9,5 %
Sheath slippage:	0 mm
Weight:	65 g/m
Material:	Polyamide
Norm:	CE EN 892 - UIAA

### O-FLEX 10.2mm

Code:	CO102
Color:	■ A-F100 ■ B-F101 ■ C-F103



## O-FLEX 9,8mm

①

Outstanding supple rope specifically developed for intensive use (route working, top-roping) with the O-Flex concept that creates superb handling and great abrasion resistance. HD Cover provides extra ease of handling and great fluidity.

### Data Sheet

Impact force factor 1,77:	8,2 kN
Number of falls factor 1,77:	6
First fall elongation:	34 %
Static elongation:	9,8 %
Sheath slippage:	0 mm
Weight:	63 g/m
Material:	Polyamide
Norm:	CE EN 892 - UIAA

### O-FLEX 9,8mm

Code:	CO98
Color:	■ A-1300





## **SOLID** range

Harnesses from the SOLID range are made of selected materials and equipment to resist over time and intensive use. Their design was driven by a focus on comfort. The result is the perfect match between style and efficiency.

## PLACEBO-2

**NEW**

SOLID spirit for a sport harness means efficiency in movement, natural comfort and ideal features at the right place. The PLACEBO-2 has all these features and will also endure years of hard-wearing use.

### Data Sheet

Type:	C	
Sizes:	Size 1	Size 2
Waist:	69-87 cm	82-100 cm
Legs:	47-59 cm	55-67 cm
Weight:	310 g	350 g
Norm:	CE- EN 12277 - UIAA	
Code:	H4PL	



## ANTIDOTE-2

**NEW**

SOLID spirit for a TRAD & ALPINE harness means total versatility, superior comfort, bomb proofed material and all the needed equipment. The ANTIDOTE-2 was designed this way and is the expression of a long experience.

### Data Sheet

Type:	C	
Sizes:	Size 1	Size 2
Waist:	69-89 cm	77-107 cm
Legs:	46-61 cm	53-69 cm
Weight:	375 g	415 g
Norm:	CE- EN 12277 - UIAA	
Code:	H4AN	



## SCORPION-2

**NEW**

The SCORPION-2 is a 2 buckles harness which combines sleek construction and supportive comfort thanks to its perfect mapping of dedicated padding. Fitted with four gear holders and made of high-quality materials it is both a technically advanced and elegant: a great choice for modern sport climbing.

### Data Sheet

Type:	C	
Sizes:	Size 1	Size 2
Waist:	69-87 cm	82-100 cm
Legs:	47-59 cm	55-67 cm
Weight:	345 g	380 g
Norm:	CE-EN 12277 - UIAA	
Code:	H4SC.x	



## SCORPION-2 lady

**NEW**

The Lady's version of the SCORPION-2 is a 2 buckles harness which combines sleek construction and supportive comfort thanks to its perfect mapping of dedicated padding. Fitted with four gear holders and made of high-quality materials it is both a technically advanced and elegant: a great choice for modern sport climbing.

### Data Sheet

Type:	C	
Sizes:	Size 1	Size 2
Waist:	61-76 cm	75-90 cm
Legs:	45-57 cm	54-66cm
Weight:	350 g	385 g
Norm:	CE-EN 12277 - UIAA	
Code:	H4SCL.x	



## DART

Climbing harness with full ergonomics, light weight and essential features. The sleek construction allows for total freedom of movement with incredible support and comfort. Easy and precise fitting by 4 fast autolocking buckles. 4 gear holders for a good racking.

### Data Sheet

Type:	C	
Sizes:	Size 1	Size 2
Waist:	69-89cm	77-107cm
Legs:	46-61cm	53-69cm
Weight:	380 g	420 g
Norm:	CE- EN 12277 - UIAA	
Code:	HDART.x	



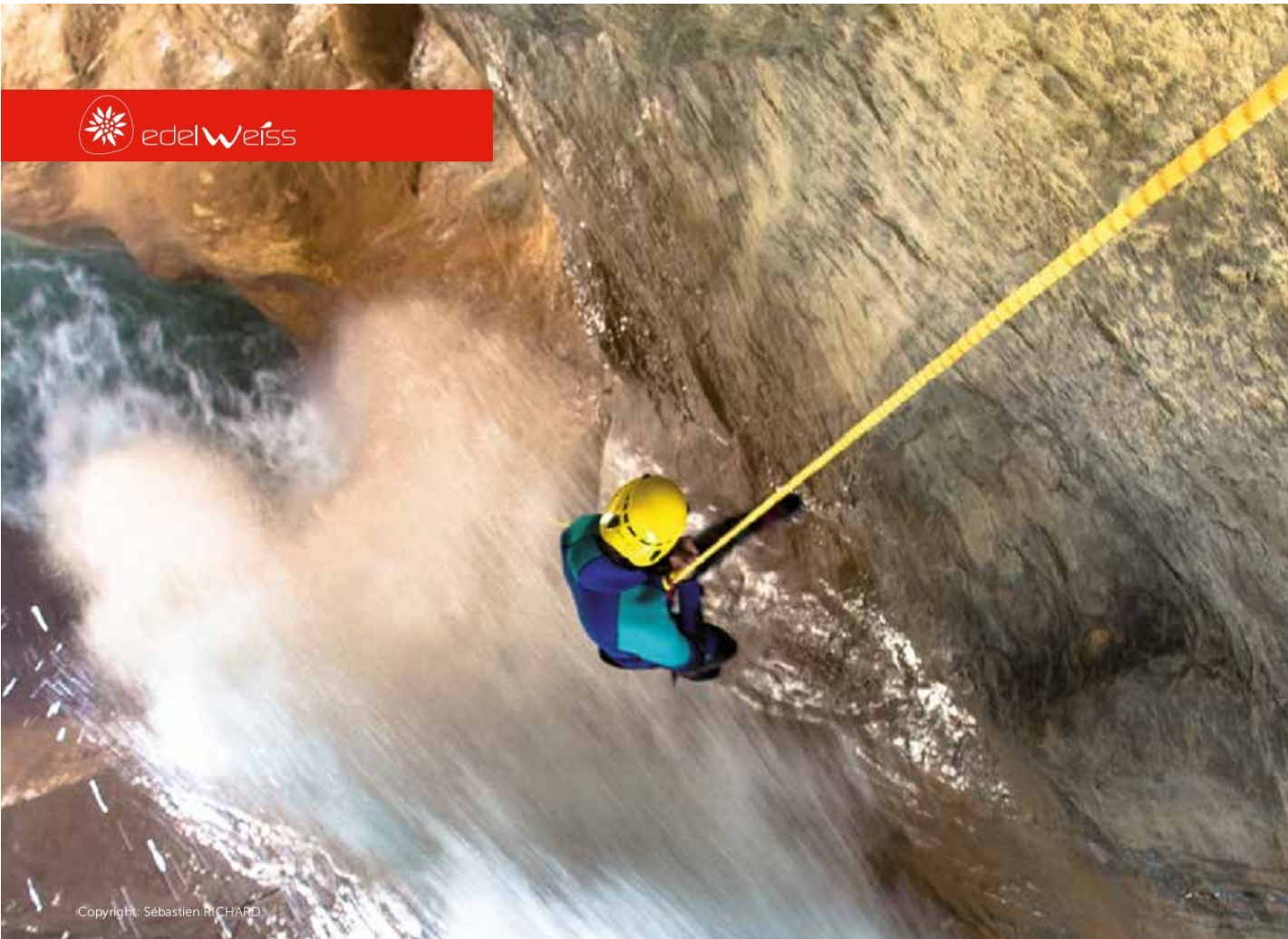
## SWORD kids

Climbing harness for kids with full ergonomics, and essential features. The sleek construction allows for total freedom of movement with incredible support and comfort. Easy and precise fitting by 4 fast autolocking buckles. 2 gear holders. Perfect for the new generation of champions.

### Data Sheet

Type:	C
Sizes:	Size 0
Waist:	50-70cm
Legs:	32-48cm
Weight:	275 g
Norm:	CE- EN 12277 - UIAA
Code:	HSW.x





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## CANYON 10,6mm

Type A low-stretch rope made of a polyester-polyamid composite sheath, with Everdry treatment. The rope has a high resistance to abrasion whilst remaining supple in use. Compared to a standard polyamid sheath, the shrinkage is reduced by a factor of 3.

### Data Sheet

Type:	A
Diameter:	10,6 mm
Breaking strength:	25 kN
Strength with figure-of-8 knot:	18 kN
Number of falls factor 1:	15
Impact force factor 0.3:	5,2 kN
Elongation 50/150 kg:	4 %
Sheath slippage:	0 %
Knotability:	1,01
Shrink in water:	1,5 %
Sheath percentage:	37 %
Weight:	71g/m
Sheath:	Polyamide/Polyester
Core:	Polyamide
Norm:	CE - EN1891 - UIAA

### CANYON 10.6mm everdry

Code: CSTC106

Color: ■ yellow



## CANYON 10mm

Type A low-stretch rope made of a polyester-polyamid composite sheath, with Everdry treatment. The rope has a high resistance to abrasion whilst remaining supple in use. Compared to a standard polyamid sheath, the shrinkage in water is reduced by a factor of 3

### Data Sheet

Type:	A
Diameter:	10 mm
Breaking strength:	23 kN
Strength with figure-of-8 knot:	17 kN
Number of falls factor 1:	6
Impact force factor 0.3:	5 kN
Elongation 50/150 kg:	4,5%
Sheath slippage:	0%
Knotability:	1,00
Shrink in water:	1,3%
Sheath percentage:	35%
Weight:	68g/m
Sheath:	Polyamide/Polyester
Core:	Polyamide
Norm:	CE - EN1891 - UIAA

### CANYON 10mm everdry

Code: CSTC10  
Color: yellow



## CANYON 9,6mm

Type B low-stretch rope made of a polyester-polyamid composite sheath, with Everdry treatment. The rope has a high resistance to abrasion whilst remaining supple in use. Compared to a standard polyamid sheath, the shrinkage in water is reduced by a factor of 3.

### Data Sheet

Type:	B
Diameter:	9,6 mm
Breaking strength:	21 kN
Strength with figure-of-8 knot:	14 kN
Number of falls factor 1:	12
Impact force factor 0.3:	4,2 kN
Elongation 50/150 kg:	4,5%
Sheath slippage:	0%
Knotability:	0,98
Shrink in water:	1%
Sheath percentage:	44%
Weight:	59 g/m
Sheath:	Polyamide/Polyester
Core:	Polyamide
Norm:	CE - EN1891 - UIAA

### CANYON 9.6mm everdry

Code: CSTC96  
Color: yellow



## MAGNETIC 11mm

①

Rope for professionals who use their gear intensively and expect maximum safety. With its 11mm diameter and 15 UIAA falls and an impact force of only 8.5kN, it delivers reliable safety and performance to the climber. The Magnetic comes standard with the Supereverdry treatment, thus obtaining the UIAA Water Repellent label.

### Data Sheet

Impact force factor 1,77:	8,5 kN
Number of falls factor 1,77:	15
First fall elongation:	35,5 %
Static elongation:	9 %
Sheath slippage:	0 mm
UIAA Water repellent:	1%
Weight:	75 g/m
Material:	Polyamide
Norm:	CE - EN892 - UIAA

### MAGNETIC 11mm supereverdry

Code: C3A11  
 Color: ■ B-1501 ■ C-1502



## EXTREM II 9mm

①/2

This durable half rope performs well in difficult conditions, and is suitable for professionals. The Extrem II is a tough rope for severe terrain yet it is supple and offers a low impact force for comfort and safety. It remains dry and light in weight thanks to the Supereverdry treatment that provides high water and abrasion resistance.

### Data Sheet

Impact force factor 1,77:	5,8 kN
Number of falls factor 1,77:	15
First fall elongation:	35 %
Static elongation:	11 %
Sheath slippage:	0 mm
UIAA Water repellent:	0,8 %
Weight:	52 g/m
Material:	Polyamide
Norm:	CE - EN892 - UIAA

### EXTREM II 9mm

Code: C3A09  
 Color: ■ E-1508 ■ F-1509





## GEOS 10.5mm

①

Its classical and reassuring diameter is perfect both for easy routes and extreme projects. The Geos was built for durability in all conditions, from intensive top roping in the gym to consistent movement on the sharpest limestone.

### Data Sheet

Impact force factor 1,77:	8,3 kN
Number of falls factor 1,77:	13
First fall elongation:	36 %
Static elongation:	9,2 %
Sheath slippage:	0 mm
UIAA Water repellent:	1%
Weight:	71 g/m
Material:	Polyamide
Norm:	CE - EN892 - UIAA

### GEOS 10.5mm

Code: C3P105  
Color: ■ C-1504



### GEOS 10.5mm Supereverdry

Code: C3A105  
Color: ■ D-1505



## PROMAX 11mm

The PROMAX rope offers a high breaking strength and its UNICORE treatment increases safety features in eliminating sheath slippage, even if the sheath is cut evacuation is then still possible.

### Data Sheet

Type:	A
Diameter:	11 mm
Breaking strength:	28 kN
Strength with figure-of-8 knot:	19 kN
Number of falls factor 1:	>20
Impact force factor 0,3:	4,35 kN
Elongation 50/150 kg:	4 %
Sheath slippage:	0 %
Knotability:	1,1
Shrink in water:	3%
Sheath percentage:	43,7 %
Weight:	75 g/m
Material:	Polyamide
Norm:	CE - EN1891- UIAA



Stitched eye



### PROMAX 11mm

Code:	CSTP11U
Color:	<input type="checkbox"/> white

## SPELEO 11mm

Low stretch rope for caving and other activities where low stretch ropes are recommended.

### Data Sheet

Type:	A
Diameter:	11 mm
Breaking strength:	30 kN
Strength with figure-of-8 knot:	20 kN
Number of falls factor 1:	>20
Impact force factor 0.3:	5,1 kN
Elongation 50/150 kg:	3 %
Sheath slippage:	0 %
Knotability:	1,01
Shrink in water:	3,4 %
Sheath percentage:	33,6 %
Weight:	81 g/m
Material:	Polyamide
Norm:	CE - EN1891 - UIAA



### SPELEO 11mm

Code:	CST11
Color:	<input type="checkbox"/> white <input checked="" type="checkbox"/> black <input checked="" type="checkbox"/> orange <input checked="" type="checkbox"/> solid black <input checked="" type="checkbox"/> kaki

## SPELEO / SPELEO-2

Low stretch rope for caving and other activities where low stretch ropes are recommended.

Data Sheet	10,5mm	10mm	9mm
type:	A	A	B
Diameter:	10,5 mm	10 mm	9 mm
Breaking strength:	27 kN	23 kN	19 kN
Strength with figure-of-8 knot:	18,5 kN	17 kN	13,5 kN
Number of falls factor 1:	9	6	8
Impact force factor 0.3:	5 kN	5 kN	4 kN
Elongation 50/150 kg:	3,5%	2,2%	3,6%
Sheath slippage:	0%	0%	0,3%
Knotability:	1,09	0,7	0,9
Shrink in water:	4,2%	3%	4%
Sheath percentage:	35%	41,2%	43%
Weight:	70 g/m	64 g/m	51 g/m
Material:	Polyamide	Polyamide	Polyamide
Norm:	CE - EN1891 - UIAA	CE - EN1891 - UIAA	CE - EN1891



### SPELEO 10,5mm

Code: CST105  
Color:  white

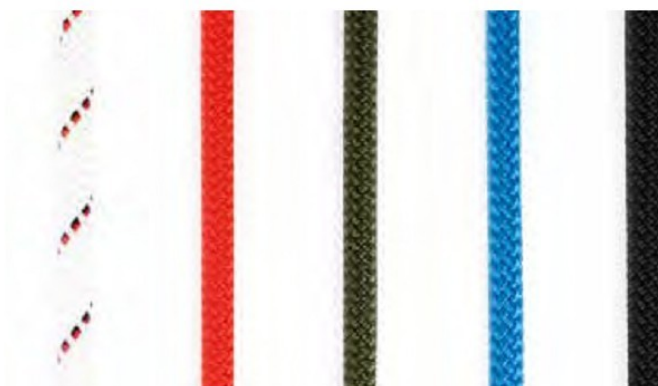
### SPELEO-2 10mm

Code: C2ST10  
Color:  white  orange  
 solid black  kaki



### SPELEO-2 9mm

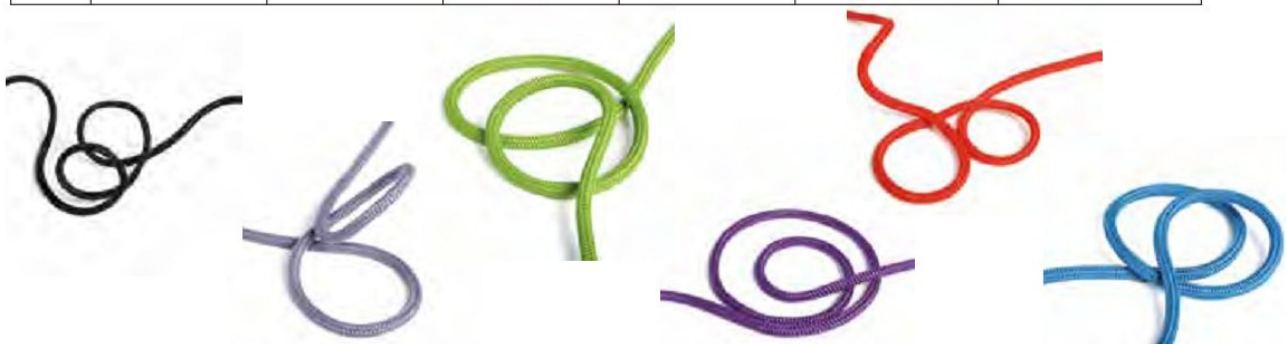
Code: C2ST09  
Color:  white  red  blue  
 solid black  kaki



## CORDS

Multi purpose Polyamide accessory cords, with great abrasion resistance thanks to a specific braiding. Available on roll or packet lengths

Code	Diameter	length	Color	Weight	Breaking strength	Norm
C01	Cord 1mm	200m	Black	0,65 g/m	0,35 kN	
C02	Cord 2mm	60m / 10m	Black	3,6 g/m	0,8 kN	
C03	Cord 3mm	60m / 10m	Red	6 g/m	1,8 kN	
C04	Cord 4mm	60m / 10m	Violet	10,4 g/m	3,2 kN	EN564 UIAA
C05	Cord 5mm	60m / 5m	Grey	18,7 g/m	5 kN	EN564 UIAA
C06	Cord 6mm	60m / 5m	Green	23,1 g/m	7,2 kN	EN564 UIAA
C07	Cord 7mm	60m / 5m	Blue	31,9 g/m	9,8 kN	EN564 UIAA
C08	Cord 8mm	60m	Yellow	47 g/m	12,8 kN	EN564 UIAA
C09	Cord 9mm	60m	Orange	53 g/m	16,2 kN	



### ARAMID CORD 5,5 mm

Accessory cord with aramid core combining high tensile strength with light weight, perfect for trail lines. This product is not dedicated to realize auto locking knots such as Prusik type..

Material: 67% Aramid / 33% Polyamid  
 Diameter: 5,5 mm  
 Breaking strength: 18 kN  
 Weight: 23 g/m



### CORD PRUSIK 7 mm

Multi purpose Polyamide accessory cord, with great abrasion resistance thanks to a specific braiding. Its dynamic core gives an extra absorbant capacity in the safety chain.

Material: Polyamid  
 Diameter: 7 mm  
 Breaking strength: 9,8 kN  
 Weight: 33,5 g/m  
 Norm: CE EN 564



### DYNAMIC LANYARD CONNECT 65

Dynamic rope lanyard, must-have, improved safety item! Fitted with catch free closure HMS screw carabiner. Attached to the harness via a larksfoot knot.

Norm: CE  
 Length: 65 cm  
 Weight: 138 g with JET carabiner  
 Breaking strength: 15 kN  
 Material: Polyamide  
 Code: LCO65.J



## SEWN SLING TUBULAR 16 mm

Express and sewn slings with 16mm tubular tape, ideal balance between the lightness of Dyneema and the robustness of a classical tape.

Code	Length	Color	Weight	Strength	Norm
SA16.30	30cm	Orange	20g	22kN	EN566 - EN795B - EN354
SA16.60	60cm	Black	38g	22kN	EN566 - EN795B - EN354
SA16.120	120cm	Red	73g	22kN	EN566 - EN795B - EN354
SA16.180	180cm	Orange	105g	22kN	EN566 - EN795B - EN354
SA16.240	240cm	Green	137g	22kN	EN566 - EN795B

## SEWN SLING TUBULAR 19 mm

Classical sewn slings made of 19mm tubular webbing.

Code	Length	Color	Weight	Strength	Norm
SA.30	30cm	Orange	25g	22kN	EN566 - EN795B - EN354
SA.60	60cm	Black	47g	22kN	EN566 - EN795B - EN354
SA.120	120cm	Red	89g	22kN	EN566 - EN795B - EN354
SA.180	180cm	Orange	129g	22kN	EN566 - EN795B - EN354
SA.240	240cm	Green	168g	22kN	EN566 - EN795B



## SEWN SLING FLAT 18 mm

Light weight sewn slings made of flat 18mm tape.

Code	Length	Color	Weight	Strength	Norm
SA18.30	30cm	Red	26g	22kN	EN566 - EN795B - EN354
SA18.60	60cm	Black	48g	22kN	EN566 - EN795B - EN354
SA18.120	120cm	Red	92g	22kN	EN566 - EN795B - EN354
SA18.180	180cm	Black	137g	22kN	EN566 - EN795B - EN354
SA18.240	240cm	Red	181g	22kN	EN566 - EN795B



## SEWN SLING DYNEEMA 7 mm

Very light weight sewn sling made of 7mm wide dyneema webbing

Code	Length	Color	Weight	Norm
SADT.60	60cm	Blue	16g	EN566 - EN795B - EN354
SADT.120	120cm	Grey	30g	EN566 - EN795B - EN354



## SEWN SLING DYNEEMA 10 mm

Lightweight and compact sewn slings made of dyneema 10mm wide webbing.

Code	Length	Color	Weight	Norm
SAD10.30	30cm	Red	11g	EN566 - EN795B - EN354
SAD10.60	60cm	Black	20g	EN566 - EN795B - EN354
SAD10.120	120cm	Red	38g	EN566 - EN795B - EN354
SAD10.180	180cm	Black	56g	EN566 - EN795B - EN354
SAD10.240	240cm	Red	74g	EN566 - EN795B



## SET EXPRESS TOP X 6

Top draw made of a straight gate and a bent gate Top carabiner with catch free closing and a 16mm wide and 12cm long quick draw.

Weight:	97 g
Breaking strength:	22 kN
Material:	Light alloy / Polyamide
Norm:	CE - EN 12275/566 - UIAA
Code:	MDEG.TOP



## Set express dyneema - sonic x 6

SONIC Draw made of a straight gate Top carabiner with catch free closure and a SONIC wire gate carabiner linked by a 12cm long quick draw Dyneema 10mm wide.

Weight:	85 g
Breaking strength:	22 kN
Material:	Light alloy / Dyneema / Polyamide
Norm:	CE - EN 12275/566 - UIAA
Code:	MDEG.DYN



## TOP straight gate

Light weight carabiner with ergonomic shape. Catch free closure, straight gate, ideal for draws on anchor point side.

Type:	B
Length:	96 mm
Width:	59 mm
Weight:	44 g
Major axis:	24 kN
Minor axis:	8 kN
Open:	7 kN
Material:	Light alloy
Norm:	CE - EN 12275 - UIAA
Code:	MTOPO



## TOP bent gate

Light weight carabiner with ergonomic shape. Catch free closure, bent gate, ideal for draws on the rope side.

Type:	B
Length:	96 mm
Width:	59 mm
Weight:	44 g
Major axis:	24 kN
Minor axis:	8 kN
Open:	7 kN
Material:	Light alloy
Code:	MTOPC
Norm:	CE - EN 12275 - UIAA



## SONIC wire gate

Very light weight carabiner with thin body. Ideal for draws on the rope side. The wire gate avoids opening by inertia.

Type:	B
Length:	95 mm
Width:	60mm
Weight:	38 g
Major axis:	24 kN
Minor axis:	8 kN,
Open:	7 kN
Norm:	CE - EN 12275 - UIAA
Material:	Light alloy
Code:	MSONIC



## JET screw closure

Screw gate carabiner, catch free closure and light weight ergonomic body

Type:	B
Length:	107 mm
Width:	66 mm
Weight:	65 g
Major axis:	24 kN
Minor axis:	8 kN
Open:	7 kN
Material:	Light alloy
Norm:	CE - EN 12275/362 - UIAA
Code:	MJET.



## GUARD HMS screw closure

Screw gate HMS carabiner with catch free closure.

Type:	H/B
Length:	120 mm
Width:	76 mm
Opening:	22 mm
Weight:	86 g
Major axis:	24 kN
Minor axis:	8 kN
Open:	8 kN
Material:	Light alloy
Norm:	CE - EN 12275/362 - UIAA
Code:	MGUARD



## GUARD3 HMS 3 action opening

Triple action opening HMS carabiner with catch free closure.

Type:	H/B
Length:	120 mm
Width:	76 mm
Opening:	22 mm
Weight:	100 g
Major axis:	24 kN
Minor axis:	8 kN
Open:	8 kN
Material:	Light alloy
Norm:	CE - EN 12275/362 - UIAA
Code:	MGUARD3



## LINK screw closure

Screw gate carabiner, catch free closure and light weight ergonomic body.

Type:	H/B
Length:	105 mm
Width:	66 mm
Weight:	66 g
Major axis:	28 kN
Minor axis:	8 kN
Open:	8 kN
Material:	Light alloy
Norm:	CE - EN 12275/362 - UIAA
Code:	MLINK



## GURU ALPIN

Belay device for single or double ropes diameter 7,3 to 11mm with additional notch on one side to create additional braking friction and karabiner holes for easy belaying in multipitch routes

Length:	89 mm
Width:	43 mm
Weight:	95 g
Use:	ropes from 7,3 to 11mm
Material:	Light alloy
Code:	MGURALP



## S8

Versatile medium size figure of eight belay device.

Length:	132 mm
Width:	74 mm
Weight:	102 g
Breaking strength:	25 kN
Material:	Light alloy
Code:	MS8



## D8

Figure of eight belay and abseil device, its curved shape offers a choice between low or quicker descent, some ears help the cooling and allow to realize a locking key

Length:	108 mm
Width:	80 mm
Weight:	92 g
Breaking strength:	25 kN
Material:	Light alloy
Code:	MD8





Courtesy of Andy KNABL

**NEW**

## KINETIK

The KINETIK is a compact belay device with manual assisted locking. It is designed to belay in lead and top rope climbing techniques with both hands on the rope. In case of a fall the belayer has to hold the brake side of the rope and the apparel will help to arrest the fall by increasing the braking action.

The KINETIK is a full metal built-in device for a solid and long lifetime, the cam profiles are specially shaped to be rope friendly and ensure a strong braking when needed.

Type:	C
Cams, axis and rivets:	Stainless steel
Body and handle:	Aluminum
Weight:	210 g
Norm:	CE - EN 15151-1:2012 - UIAA
Code:	MKIN







The HERTZ XS rigging plate is very small and light (36g), the smooth design will not damage textile slings. Equipped with one main connection point and three 15 mm additional holes he's mostly dedicated to difficult situations with limited space.

### HERTZ - XS

Dimensions:	61 x 62 x 8mm
Weight:	42 g
Max. Breaking Strength:	36 kN
Working Load Limit:	7 kN
Material:	Light alloy
Norm:	CE
Code:	MHERTZ.XS



The HERTZ S rigging plate has a smooth design ideal for textile slings. Equipped with one main connection point and three 20 mm additional holes, it can receive industrial connectors with big nuts such as triple action gate.

### HERTZ - S

Dimensions:	81 x 83 x 10mm
Weight:	92 g
Max. Breaking Strength:	45 kN
Working Load Limit:	9 kN
Material:	Light alloy
Norm:	CE
Code:	MHERTZ.S



The HERTZ M rigging plate has a smooth design ideal for textile slings. Equipped with one main connection point and seven 20 mm additional holes, it can receive industrial connectors with big nuts such as triple action gate. It's a perfect compact device for complex rigging situations.

### HERTZ - M

Dimensions:	172 x 83 x 10mm
Weight:	188 g
Max. Breaking Strength:	45 kN
Working Load Limit:	9 kN
Material:	Light alloy
Norm:	CE
Code:	MHERTZ.M

Oval 8mm diameter quick link with screw gate

### MAILLON RAPID 8 OVAL

Type:	Q
Length:	76mm
Width:	25mm
Diameter:	8mm
Weight:	76 g
Major axis strength:	25 kN
Material:	High tensile steel
Norm:	CE- EN 12275 - UIAA
Code:	MRAPID8



Compact and light forged Aluminium eye to eye swivel with ball bearings, for smooth rotation even under load. Accept 2 carabiners in each eye.

### SWIVEL SWR

Dimensions:	83 x 39mm
Weight:	88 g
Max. Breaking Strength:	22kN
Working Load Limit:	4kN
Material:	Light alloy
Norm:	CE - EN354
Code:	MSWR



Catch free nose oval carabiner with screw gate closure, its symmetrical shape helps to keep components of a system aligned.



### GUARDO Oval screw closure

Type: X/B  
 Length: 110 mm  
 Width: 61 mm  
 Opening: 18 mm  
 Weight: 73 g  
 Major axis: 22 kN  
 Minor axis: 8 kN  
 Open: 6 kN  
 Material: Light alloy  
 Norm: CE - EN 12275/362 - UIAA  
 Code: MGUARDO

Catch free nose oval carabiner with automatic closure, its triple action opening increases security, its symmetrical shape helps to keep components of a system aligned.

### 03

Type: X/B  
 Length: 110 mm  
 Width: 61 mm  
 Opening: 16 mm  
 Weight: 81 g  
 Major axis: 22 kN  
 Minor axis: 8 kN  
 Open: 8 kN  
 Material: Light alloy  
 Norm: CE EN 12275 / 362 - UIAA  
 Code: MO3



TRAFIC 111 is a compact mobile plate single pulley (brass bearing) designed for ropes up to 11mm.



### TRAFIC 111 Single pulley

Height: 72mm  
 Width: 58mm  
 Sheave: 27,5mm  
 1 rope max.: 11mm  
 Weight: 120 g  
 Maximum Breaking Strength: 20kN  
 Working Load Limit: 2 x 2,5kN = 5kN  
 Material: Light Alloy  
 Norm: CE - EN 12278 - UIAA  
 Code: MP111



Copyright: Sébastien RICHARD

ROTOR is a compact fixed side plate single pulley (brass bearing) designed for ropes up to 12mm.



### ROTOR Single pulley

Height: 81mm  
 Width: 44mm  
 Sheave: 21mm  
 1 rope max.: 12mm  
 Weight: 90 g  
 Max. Breaking Strength: 20kN  
 Working Load Limit: 2 x 2,5kN = 5kN  
 Material: Light alloy  
 Norm: CE - EN 12278 - UIAA  
 Code: MROT

ROTOR 113R is a compact fixed side plate single pulley designed for ropes up to 12mm and equipped with ball bearings for high efficiency.

### ROTOR 113R Single pulley with ball bearings

Height: 81 mm  
 Width: 44mm  
 Sheave: 28mm  
 1 rope max.: 13mm max.: 12mm  
 Weight: 140 g  
 Max. Breaking Strength: 22kN  
 Working Load Limit: 2 x 2,5kN = 5kN  
 Efficiency: 95%  
 Body: Light Alloy  
 Sheave: Stainless steel  
 Norm: CE - EN 12278 - UIAA  
 Code: MP113R



TRAFIC 116 is a mobile plate single pulley designed for hauling systems and heavy loads (brass bearing), it accepts ropes up to 16mm.

TRAFIC 116R is a mobile plate single pulley designed for hauling systems requiring a high efficiency (ball bearing), it accepts ropes up to 16mm.

### TRAFIC 116 Single pulley

Height: 121mm  
Width: 82mm  
Weight: 270 g

Max Breaking Strength: 30kN  
Working Load Limit: 2 x 2,5kN = 5kN  
Material: Light Alloy  
Norm: CE - EN 12278 - UIAA  
Code: MP116



### TRAFIC 116R Single pulley with ball bearings

Height: 121mm  
Width: 82mm  
Weight: 280 g

Maximum Breaking Strength: 30kN  
Working Load Limit: 2 x 2,5kN = 5kN  
Efficiency: 95%  
Material: Light Alloy  
Norm: CE - EN 12278 - UIAA  
Code: MP116R



TRAFIC 216 is a mobile plate double pulley designed for hauling systems and heavy loads (brass bearings), it accepts ropes up to 16mm. Equipped with a bottom becket to create complex systems.

TRAFIC 216R is a mobile plate double pulley designed for hauling systems requiring a high efficiency (ball bearings), it accepts ropes up to 16mm. Equipped with a bottom becket to create complex systems.

### TRAFIC 216 Double pulley

Height: 143mm  
Width: 82mm  
Weight: 475 g

Max Breaking Strength: 30kN  
Working Load Limit: 2 x 2 x 2,5kN = 10kN  
Material: Light Alloy  
Norm: CE - EN 12278 - UIAA  
Code: MP216



### TRAFIC 216R Double pulley with ball bearings

Height: 143mm  
Width: 82mm  
Weight: 500 g

Maximum Breaking Strength: 30kN  
Working Load Limit: 2 x 2 x 2,5kN = 10kN  
Efficiency: 95%  
Material: Light Alloy  
Norm: CE - EN 12278 - UIAA  
Code: MP216R



Fixed side plate double pulley equipped with sealed ball bearings for high efficiency, to use on rope with max. diameter 13mm and metallic cable with max. diameter 12mm.

### ROLLER 213R2 Double pulley with ball bearings

Height: 79mm  
Width: 108mm  
Weight: 290 g

Maximum Breaking Strength: 25kN  
Working Load Limit: 10kN  
Maximum speed: 15m/s  
Efficiency: 95%  
Body: Light Alloy  
Sheaves: Stainless steel  
Norm: CE - EN 12278 - UIAA  
Code: MP213R2





Courtesy of Nacho ELORZA

## MICRO B

The microB is both a small rope clamp and an emergency pulley solution. It can be used to ascend on a rope, as a pulley or to haul a load. The functions are optimal when connected with our O3 carabiner.

**NEW**

Body and cam: Aluminum  
Pulley, axis and rivets: Stainless steel  
Weight: 78 g  
Norm: CE - EN 567  
Code: MMIC



**AS16 HANDLE** ascender

This handle for rope ascent, takes advantage of a specific ergonomics allowing to position a hand on the top of the blocker and the other one in the wide handle, thus a drive at two hands is easy. The wide lower hole allows to connect simultaneously several carabiners whereas the upper hole allows to clip the rope to secure the crossings.

The full stainless steel mechanism insures a high durability.

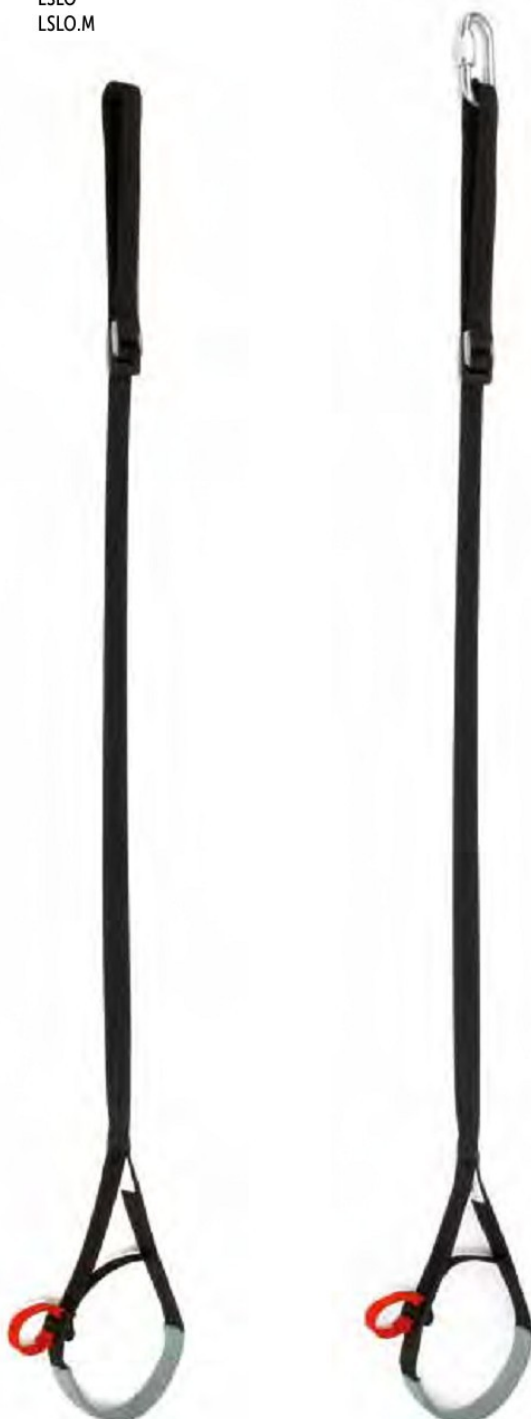
Height: 235mm  
 Width: 110mm  
 Weight: 240 g  
 Norm: CE - EN 567 - EN 12841-B 100kg  
 Norm: For ropes 8 - 13mm in EN 567  
 Norm: For ropes 10 - 13mm in EN 12841-B

Body & cam: Light alloy  
 Lever: Stainless steel  
 Handle & protection: Plastic  
 Code: MAS16

**SLOOP**

SLOOP is a foot loop for rope ascent with handle or blocker. Adjustable in length (72-120cm) with fast tightening around the foot, the etrier is strengthened to preserve its opening and resist the abrasion. Also available with Maillon

Length: Adjustable length from 72 to 120 cm  
 Weight: 70 g  
 Material: Polyamide / Aluminium  
 Code: LSLO  
 Code: LSLO.M

**TB16 CHEST** ascender

This very compact device is designed to fit perfectly our harness Hercules-Evo and as well all the fullbody harnesses with sternal Y straps construction. Its specific shape allows it not to turn on itself, thus improving the fluidity on the way up movement, the decreased position of the device improve the amplitude and efficiency of every movement. The full stainless steel mechanism insures a high durability.

Height: 82mm  
 Width: 74mm  
 Weight: 160 g  
 Norm: CE - EN 567 - EN 12841-B 100kg  
 Norm: For ropes 8 - 13mm in EN 567  
 Norm: For ropes 10 - 13mm in EN 12841-B

Body & cam: Light alloy  
 Lever: Stainless steel  
 Protection: Plastic  
 Code: MTB16



## EXPLORER II

Full body harness specifically designed for rope courses. Front and Back attachment point with reinforced tie-in points, Double buckle adjustments, different webbing colours to facilitate user equipment. Fully adjustable: one size for children, one size for adults. The height of the front attachment point is adjustable.

### Harness EXPLORER II

Size:	Size 1 = S	Size 2 = M - XL
Fits:	Height 140-160cm	Height 155-200cm
Weight:	855 g (size 2)	
Material:	Polyamide/ Polyester	
Norm:	CE - EN 361-813	
Code:	HEXP.II	



## SPIDER JUNIOR-2

A full body harness for younger children. Fully adjustable with quick buckles and re-inforced tie-in point. Easy use, comfortable and easy to put on thanks to the triangle in the back.

### Harness SPIDER JUNIOR-2

Type:	B
Fits height:	90-130 cm
Legs:	35-60 cm
Weight:	350 g
Norm:	CE - EN 12277 - UIAA
Code:	HSJ2



## TRAX V DYNAMIC PROGRESSION

**NEW**

TRAX V made of dynamic rope can be used as progression lanyard. The ends have stitched eyes with plastic cover and extra webbing tape as abrasion protection. This product can be connected to an energy absorber with a maillon.

### TRAX V dynamic progression lanyard

Sizes:	30/65 cm	30/85 cm
Weight:	115 g	130 g
Material:	Polyamide / Polyester	
Norm:	CE - EN 354	
Code:	LDV	



## VERTIGE

The VERTIGE is a robust helmet with an ABS outer shell, designed for intensive use in a group environment such as on high ropes courses.

The inner liner is suspended and easily adjustable with a strong and simple buckle. The helmet is designed to be durable and easy to wash. Neither the foam nor plastic parts affect the helmet's robustness. Ventilated by 10 large vents and also equipped with headlamp clips to secure your lighting.

### Data Sheet

Size:	54 - 62 cm
Weight:	380 g
Norm:	CE - EN 12492
Color:	<span style="color: red;">■</span> red <span style="color: white;">■</span> white <span style="color: blue;">■</span> blue <span style="color: yellow;">■</span> yellow <span style="color: black;">■</span> matt black <span style="color: orange;">■</span> orange <span style="color: green;">■</span> green
Code:	KVER



## VERTIGE junior

**NEW**

The VERTIGE Junior is a robust helmet with an ABS outer shell, designed for children.

The inner liner is suspended and easily adjustable with a strong and simple buckle. The helmet is designed to be durable and easy to wash. Neither the foam nor plastic parts affect the helmet's robustness. Ventilated by 10 large vents and also equipped with headlamp clips.

### Data Sheet

Size:	48 - 58 cm
Weight:	365 g
Norm:	CE - EN 12492
Color:	<span style="color: #800000;">■</span> burgundy <span style="color: blue;">■</span> blue
Code:	KVJUN



## VENTURI

**NEW  
COLOR**

In-mold super light helmet design with a resistant polycarbonate shell and EPS inner foam to spread the impact force, comfortable and ventilated by 14 large vents. Size-fitting via wheel adjuster. Headlamp clips to secure your lighting.

The chin straps' strength is more than 50daN to ensure the helmet remains secured during an impact. Closure by innovative magnetic buckle super easy to handle even with gloves. Removable and washable comfort padding.

### Data Sheet

Size:	56 - 61 cm
Weight:	240 g
Norm:	CE - EN 12492 UIAA
Color:	Light grey Blue Orange
Code:	KVENT



## VITAL II

Hybrid helmet design with a durable ABS injection molded shell and EPS inner foam to spread the impact force, comfortable and ventilated by 10 large vents. Size-fitting via wheel adjuster. Headlamp clips to secure your lighting. The chin strap's strength is more than 50daN to ensure the helmet remains secured during an impact. Closure by innovative magnetic buckle super easy to handle even with gloves. Removable and washable comfort padding.

### Data Sheet

Size:	51 - 62 cm
Weight:	435 g
Norm:	CE - EN 12492
Color:	White
Code:	KVIT2







edelweiss

VISI • N

mobile lighting

Grand capucin by Fransisco Taranto Jr.

## SIRIUS

Front block headlamp with directional adjustment.

Versatile headlamp with compact front-block design, featuring a powerful central LED, it offers many brightness modes (Wide - Zoom) usable via a single button. It will be the right choice on the campsite and for all outdoor activities even in bad conditions, thanks to the water resistant construction IPX6: protected against powerful jets and splashing.

Water protection: IPX6  
 Battery type: 3xAAA  
 Weight: 94g  
 Norm: CE - RoHS  
 Output: 120 lumens  
 Wide: 90° 6m  
 Zoom : 60° 120m  
 Total runtime: 240h (Eco Mode)  
 Brightness modes:

- Zoom-standard
- Zoom-distance
- Zoom-eco
- Wide-standard
- Wide-low
- Strobe



## BLITZ

Front block headlamp with directional adjustment and rear battery pack. Adjustable and removable elastic headband.

This all-weather headlamp combines an incredible powerful output and a real waterproof construction (IPX7: protection against immersion during 30 minutes at a depth of 1 meter). The large range of brightness mode and the choice between wide and zoom beam will suit all conditions. A battery gauge alerts from being short on power. Ideal for all work and rescue activities. Battery included.



Water protection:	IPX7
Battery type:	2xAA + battery gauge
Weight:	175g
Norm:	CE - RoHS
Output:	190 lumens
Wide :	115° 15m
Zoom :	60° 150m
Total runtime:	132h (Eco Mode)

Brightness modes:	> Zoom-standard
	> Zoom-distance
	> Zoom-eco
	> Wide-standard
	> Wide-power
	> Strobe

## POLARIS

Front block headlamp with directional adjustment.

This very compact front-block headlamp offers simplicity and power for only 68g. It also offers a very good protection against splashing. It is the best choice for leisure activities, backpacking and as a back-up light.

Water protection:	IPX6	Output:	28 lumens
Battery type:	2xAAA	Wide :	90° 27m
Weight:	68g	Total runtime:	50 h (Eco mode)
Norm:	CE - RoHS	Brightness modes:	

- > Wide-standard
- > Wide-power
- > Wide-eco
- > Strobe



## LUCY

Lantern / Flashlight

This camp lantern is stable, compact (196mm), can be hung with its suspension half loop. A frosted globe associated to a powerful LED will provide an extremely comfortable ambient light, the brightness can easily be adjusted with a single switch. When retracted (138mm) this lantern becomes a precise flashlight, a 2 in 1 product just perfect for campsite activities as well as backpacking.



Water protection:	IPX4
Battery type:	4xAA
Weight:	240g
Norm:	CE - RoHS
Output:	190 lumens
Lantern :	360° 5m
Flashlight :	50° 150m
Total Runtime:	230h (Eco Mode)

- > Lantern or Flashlight position
- > 1 adjustable mode from Eco to Full power

## HALF-GRIP

50% anti-slip siliconed synthetic leather, 35% nylon stretch fabric and 15% neoprene  
Supple and strong mittens for Via Ferrata and other vertical activities

Size: S-M-L Code:  
Code: GL03

## S-GRIP

50% anti-slip siliconed synthetic leather, 35% nylon stretch fabric and 15% neoprene.  
Supple and strong 2 finger mittens for Via Ferrata and other vertical activities

Size: S-M-L  
Code: GL02

## PERFECT

70% cowhide leather, 15% cow suede leather and 15% nylon stretch  
Hybrid gloves with leather palm reinforcement and breathable stretch fabric on the fingers back for better comfort.

Size: S-M-L  
Norm: CE EN 388  
Code: GL01



## CHALK PACK

300g of chalk in a resealable package.  
Handy and affordable.

Weight: 300 g  
Code: WCHALK300



## WALL MATE

Magnesium carbonate in a ball dispenser reducing powder waste.

Weight: 2 x 35 g  
Code: WALL.35



## LIQUID CHALK

Liquid chalk without resin developed to avoid powder suspension in the air. Does not contain Resin.

Bottle: 250 ml  
Code: LIQUID.PACK



## ROPE BRUSH

Our own development for cleaning ropes after action.  
The brush adapts easy to different rope diameters. Fix the brush on the rope, then slide the brush along the rope while holding the rope under water.

Code: D.ROBRUSH



## ROPE CLEANER

Non-aggressive detergent developed for easy cleaning of polyamide products: ropes or harnesses; however the water temperature used should be less than 30° Celcius.

Bottle: 1L  
Code: D.ROCLEAN



## CHALK BAG

Large chalk bag with polar fleece inside, its generous volume makes really easy to chalk-up; equipped with drawcord closure, brush holder and waist belt.

Diameter:	13cm
Height:	16cm
Weight:	80 g
Material:	100% Polyester
Code:	SAC.MAG15x



## DJ ROPEBAG

Hip and functional, DJ style, ropebag featuring zippered pocket, gear-loop, integrated brushy fabric to clean the soles of the climbing shoes, base mat for the rope, compression straps and big adjustable shoulder strap.

Weight:	665 g
Material:	90% Polyester, 5% Polypropylene, 2,5% Zinc alloy, 2,5 % PVC
Code:	SAC.DJ



## EASY ROPEBAG

Strong and functional ropebag, with adjustable shoulderstrap, integrated ropesheet and metal buckle closure.

Weight:	630 g
Material:	92,5% Polyester ,5% Polypropylene, 2,5%, Zinc alloy
Code:	SAC.STRA





Courtesy of Nacho ELORZA

## DUFFLE D90

Rugged construction tarpaulin duffle bag. Large 90 liters capacity with big identification window, pocket on top and internal mesh pockets. Also equipped with four compression straps, haul handles on ends and removable shoulder straps. This bag is designed for long distance trip all over the world.

Volume:	90 l
Weight:	2100 g
Material:	90% PVC, 5% Polypropylene, 2,5% Polyester, 2,5 % E.V.A Foam
Code:	SAC.D90



## TRANSPORT T45

Heavy duty 45l transport bag made of strong PVC with welded construction. This bag features a reinforced base with 3 base holes to let out water, 2 comfortable shoulder straps and fast opening with adjustable cord closure. Ergonomically shaped, adjustable shoulder straps. Strong side handle for easy transport. External hanging loop / handle. One zippered pocket under the cover and one front zippered pocket.

Volume:	45 l
Weight:	1250 g
Material:	95% PVC, 5% Polypropylene
Code:	SAC.T45



## CHALLENGE CHEST

Completely adjustable chest harness with compact construction. Developed for use with our Challenge sit harness. Raises safety margin in falls. Can be used with any sit harness.

### Harness CHALLENGE chest

Type:	D
Chest :	75 - 115cm
Weight:	350 g
Material:	Polyamide/Polyester
Norm:	CE- EN 12277 - UIAA
Code:	HCT

### Harness CHALLENGE sit

Type:	C	
Size:	XS - L	XL
Waist:	60-102 cm	60-117 cm
Legs:	max. 75 cm	max. 90cm
Weight:	400 g	450 g
Material:	Polyamide/Polyester	
Norm:	CE- EN 12277 - UIAA	
Code:	HCC3	HCC3XL



Adjustable unpadded harness with three auto locking buckles and two sliding gear loops. A single visible attachment point. Ideal for via ferrata and activity centres.

## MYGALE-2

Adjustable unpadded harness with three auto locking buckles and two sliding gear loops. A single visible attachment point. Ideal for via ferrata and activity centres.

### Harness MYGALE-2

Type:	C
Size:	Universal
Waist:	max. 120cm
Legs:	max. 80cm
Weight:	400 g
Material:	PA / PES
Norm:	CE- EN 12277 - UIAA
Code:	HMY2



## ESCAPE-3

One size fits all fully adjustable harness with auto locking buckles. 2 gear loops, a single well identified tying in point. Versatile and comfortable thanks to its padding, it is suitable for any vertical activity, from beginners to more sustained use.

### Harness ESCAPE-3

Type:	C
Size:	Universal
Waist:	55 - 110 cm
Legs:	40 - 70 cm
Weight:	415 g
Material:	PA / PES
Norm:	CE- EN 12277 - UIAA
Code:	HESC3





Photo credit: Michael Treloar/Thinistock

edelweiss

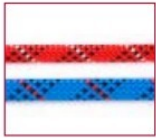
Professional gear



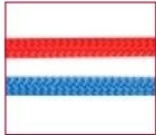
Edelweiss is active in the field of safety at height (Sport and Professional) since 1953; we have invented the modern ropes construction still used nowadays. We are not only a brand of pioneers; we are always working to develop better solutions.

Welcome to our 2018 catalogue, Edelweiss stays loyal to its values and offers safety to professionals with reliable and durable products.

For the 2018 season we introduce new products, here is a summary:



Page 8 - blue and red additional colors for the ropes PROMAX 10,5 and 11mm



Page 10 - blue and red additional colors for the rope RESCUE 13mm



Page 16 - adjustable lanyard ALTO



Page 16 - new design for the lanyard TRAX



Page 17 - new design and new offer for the lanyard with energy absorber ABSORB



Page 18 - smart connector SK60



Page 39 - industrial safety helmet ARROW



## PPE EN EQUIPMENT STANDARDS

All products manufactured for sale in the EU as Personal Protective Equipment must comply to one or more relevant product standards. These are all EN or pr EN specifications, and a compliant product should be marked with the EN number, the CE code logotype and the details of the approvals agency. Below is a list of all equipment specifications relating to height safety PPE.

### Work equipment standards: PPE against falls from a height

Industrial height safety equipment generally has a standard in this section, and more are being added over time. If an industrial standard exists, then products used AT WORK must comply to it.

Standard	Relates to:	Standard	Relates to:
EN341	Descender devices	EN362	Connectors (carabiners, scaffold hooks, etc)
EN353-1	Guided type fall arresters type 1: rigid anchorage line	EN363	Fall arrest systems (tested as a complete system)
EN353-2	Guided type fall arresters type 2: flexible anchorage line	EN364	Test methods - the standard for how to test products for compliance, used by manufacturers.
EN354	Lanyards	EN365	General requirements for instructions for use, maintenance, periodic examination, repair, marking and packaging - the standard defining what labels and instructions must be used on a product, and what the user is responsible for in terms of maintenance and examination.
EN355	Shock absorbers	EN815	Sit harnesses (industrial abseil harnesses)
EN358	Work positioning systems	EN1891	Low stretch kernmantel rope (semi-static rope)
EN360	Retractable fall arresters	EN12841	Rope adjustment devices
EN361	Full body fall arrest harnesses		

## Mountaineering and climbing equipment standards

many products do not yet have an industrial standard, but there is a 'sport mountaineering' version. These mostly come from UIAA specifications, and are no less stringent. If a product does NOT have an industrial standard, then a mountaineering compliance makes it suitable for use at work. If a product has both, the industrial standard must be used. The best example of this is connectors - a snap-lock carabiner will comply to EN12275 but fail EN362 (which needs a locking mechanism), and so it cannot be used at work.

Standard	Relates to:	Standard	Relates to:
EN564	Accessory cord, safety requirements and test methods	EN959	Rock anchors, safety requirements and test methods
EN565	Tape, safety requirements and test methods	EN12270	Chocks, safety requirements and test methods
EN566	Slings, safety requirements and test methods	EN12275	Connectors, safety requirements and test methods
EN567	Rope clamps, safety requirements and test methods	EN12276	Frictional anchors, safety requirements and test methods
EN568	Ice anchors, safety requirements and test methods	EN12277	Harnesses, safety requirements and test methods
EN569	Pitons, safety requirements and test methods	EN12278	Pulleys, safety requirements and test methods
EN892	Dynamic mountaineering rope, safety requirements and test methods	EN12492	Climber's safety helmets, safety requirements and test methods
EN893	Crampons, safety requirements and test methods	EN13089	Ice tools, safety requirements and test method
EN958	Energy absorbing systems for via ferrata (klettersteig) climbing, safety requirements and test methods	EN15151-1	Braking devices with manually assisted locking, safety requirements and test methods
		EN15151-2	Manual braking devices, safety requirements and test methods

## General standards relating to PPE and ropes

standards for equipment that may be used outside height safety, such as fibre ropes and site helmets.

Standard	Relates to:
EN397	Industrial safety helmets (site hats)
EN696	Polyamide fibre ropes (laid and braided - not kernmantel)
EN701	General service fibre ropes (natural fibre and other polymers not covered by EN696)
EN795	Anchor devices - requirements and testing (industrial and climbing anchors for any purpose)
EN45014	General criteria for Certificates of Conformity (instructions for manufacturers)

## Rescue lifting and climbing standards

Specialist standards for rescue equipment. These can only be used for rescuing a casualty in an emergency situation, and are not acceptable for normal 'work' use unless they also comply to the relevant industrial standards, so a harness that complies to EN1497 but not to EN361 cannot be used for industrial fall arrest.

Standard	Relates to:
EN1496	Rescue lifting devices (hauling and winching devices)
EN1497	Rescue harnesses (rescue nappies and emergency escape harnesses)
EN1498	Rescue loops (casualty lifting strops)

## EUROPEAN STANDARDS

EDELWEISS production follows a very high technical standard to ensure safety. Our ISO 9001 manufacturing process guarantees consistent quality. Our Personal Protective Equipment meets and even exceeds the relevant EN standards.

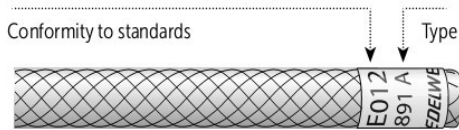


### Rope identification:

The rope has a band fastened at its end indicating its type: Type A or B, its diameter, the name of the manufacturer, and the number of the Euro Norm to which it conforms.

### Meaning of markings:

**CE:** Conformity to the European directive  
0120: Number of the Notified Body  
EN1891: Technical reference.



## THE LOW-STRETCH ROPES

These are sometimes wrongly called static. They allow access to, and positioning at the worksite. They have moderate stretch, which allows them to absorb sufficient energy to arrest falls of factor 0.3.

### The types of Ropes

There are two types of ropes.

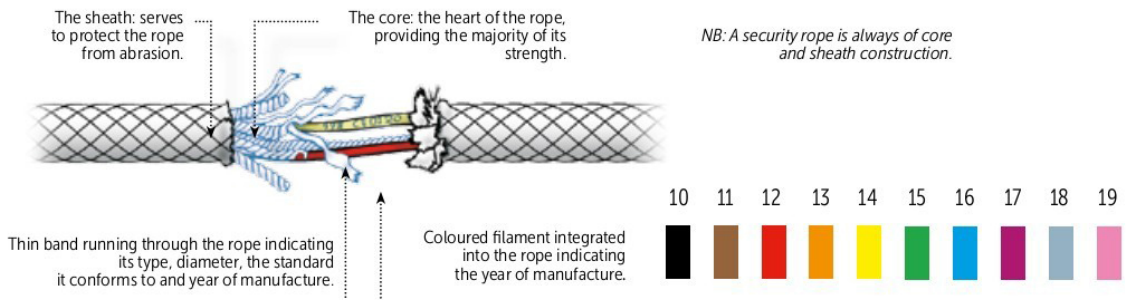
- Type A: Rope for use in rescue, or as a working or security line for work at height. In the latter case it is used for access to the place of work in combination with other items of equipment, or to undertake work under tension or in suspension on the rope.
- Type B: Rope of lesser diameter and strength than Type A, demanding greater precautions and attention to security during use.

### Storage and lifetime

The working life depends on the frequency and the type of use. Abrasion, UV exposure and humidity gradually degrade the properties of the rope. Note that with use, a rope thickens and thus loses up to 10% length.

**Storage time:** In good storage conditions a rope may be kept for 5 years before first use without affecting its future lifetime duration in use.

**Lifetime in use:** A rope could be destroyed during its first use. It is the inspections which determine if the product must be scrapped more quickly. Proper storage between uses is essential. The lifetime of the rope in use must never exceed 10 years. The total maximum lifetime (storage before use + lifetime in use) is thus limited to 15 years.



**TESTED AND APPROVED**

**Fall factor F:**

The fall factor is the ratio of the length of the fall taken to the length of rope which arrests it.

**Impact force IF:**

This is the force which is transmitted to person, connector and anchor point during the arrest of a fall. The impact force given in the performance tables is that obtained by a fall factor 0,3 with a 100Kg mass for type A ropes, and an 80Kg mass for type B ropes. This is required to be less than 6kN.

**Number of falls:**

The number of falls sustained is determined on a rig which reproduces factor I falls. The terminations on the test length are made with figure of 8 knots. The drop falls are made at intervals of three minutes. Five falls must be sustained, using a 100Kg mass for type A, 80Kg for type B.

**Elongation E:**

This is the elongation of the rope which occurs between loads of 50Kg and 150Kg. It must not exceed 5%.

**Knotability K:**

A single overhand knot is tensioned with a 10Kg weight for one minute, then the internal diameter of the knot is measured with the tension reduced to 1Kg. The internal diameter divided by the rope diameter:  $K < 1,2$ .

Sheath slippage S: 2m of rope is placed in the pulling rig and drawn through it 5 times. Sheath slippage must not exceed 15mm for type B ropes, and  $(20 + 10(D - 9))$  mm where D is the rope diameter, for type A ropes.

**Shrinkage R:**

The percentage shrinkage of the rope after soaking in water for 24 hours.

**Mass of the sheath:**

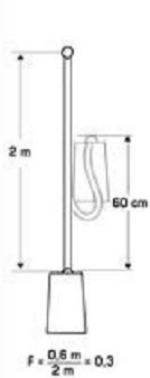
The minimum sheath percentage which must compose the rope is calculated by  $S = ((4D - 4) / D^2) \times 100$  where D is the rope diameter.

**Static strength:**

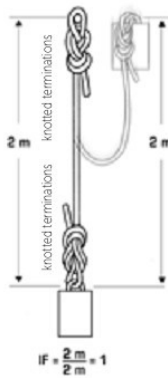
The force required to break the rope when it is pulled slowly. type A ropes must exceed 22kN, type B ropes 18kN.

**Static strength with knotted terminations:**

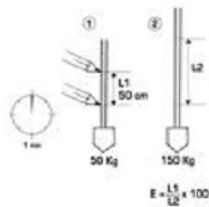
A sample of the rope terminated with a figure of 8 must withstand for 3 minutes a force of 15kN (type A) 12kN (type B).



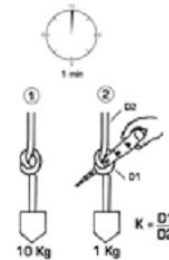
Fall factor



Impact force



Elongation



Knotability



Static strength with knotted terminations

# LOW STRETCH ROPES

## PROLINE 10.5mm

Ropes from the PROLINE line benefit from a thick sheath, increasing the longevity of the rope in difficult or intensive work conditions. Stitched eye can be ordered

Lengths: 50m, 100m, 200m  
 Material: Polyamid  
 Norm: CE EN 1891 - UIAA  
 Type: A  
 Code: CSTP105



### PERFORMANCES

Diameter	10,5mm
Breaking strength	26kN
Nb of falls factor 1	15
Impact force factor 0,3	4,6kN
Static elongation	4,8%
Sheath percentage	44%
Weight	65g/m

## PROLINE 11mm

Ropes from the PROLINE line benefit from a thick sheath, increasing the longevity of the rope in difficult or intensive work conditions. Stitched eye can be ordered

Lengths: 50m, 100m, 200m  
 Material: Polyamid  
 Norm: CE EN 1891 - UIAA  
 Type: A  
 Code: CSTP11



### PERFORMANCES

Diameter	11mm
Breaking strength	28 kN
Nb of falls factor 1	>20
Impact force factor 0,3	4,35kN
Static elongation	4%
Sheath percentage	43,7%
Weight	75g/m



## BUD 10.5mm

Versatile low stretch rope with an optimal balance price/ quality. Mostly used in moderate work situations.

Lengths: 50m, 100m, 200m  
 Material: Polyamid  
 Norm: CE EN 1891 - UIAA  
 Type: A  
 Code: CSTB105

White



### PERFORMANCES

Diameter	10,5mm
Breaking strength	24kN
Nb of falls factor 1	12
Impact force factor 0,3	5,6kN
Static elongation	3,1%
Sheath percentage	36,4%
Weight	67g/m

## W-LINE 11mm

This industrial rope is particularly recommended for rope access operation with a motorised ascender / winch. The natural sheath grip offer a maximum efficiency and durability.

Lengths: 50m, 100m, 200m  
 Material: Polyamid  
 Norm: CE - EN1891  
 Type: A  
 Code: CSTW11

White  Orange  Black



### PERFORMANCES

Diameter	11mm
Breaking strength	32 kN
Number of falls factor 1	>20
Impact force factor 0.3	5,10 kN
Elongation 50/150 kg	2,8 %
Sheath percentage	36 %
Weight	73 g/m



## PROMAX 10.5mm

Ropes from the PROMAX line benefit from a thick sheath, increasing the longevity of the rope in difficult or intensive work conditions. Stitched eye can be ordered.

Lengths: 50m, 100m, 200m  
 Material: Polyamid  
 Norm: CE EN 1891 - UIAA  
 Type: A  
 Code: CSTP105U

White  Red  Blue



### PERFORMANCES

Diameter	10,5mm
Breaking strength	26kN
Nb of falls factor 1	15
Impact force factor 0,3	4,6kN
Static elongation	4,8%
Sheath percentage	44%
Weight	65g/m

## PROMAX 11mm

Ropes from the PROMAX line benefit from a thick sheath, increasing the longevity of the rope in difficult or intensive work conditions. Stitched eye can be ordered.

Lengths: 50m, 100m, 200m  
 Material: Polyamid  
 Norm: CE EN 1891 - UIAA  
 Type: A  
 Code: CSTP11U

White  Red  Blue



### PERFORMANCES

Diameter	11mm
Breaking strength	28kN
Nb of falls factor 1	>20
Impact force factor 0,3	4,35kN
Static elongation	4%
Sheath percentage	43,7%
Weight	75g/m

## PROMAX 11.5mm

The PROMAX rope offers a high breaking strength and its UNICORE treatment increases safety features in eliminating sheath slippage, even if the sheath is cut. Evacuation is then still possible. Stitched eye can be ordered.

Lengths: 50m, 100m, 200m  
 Material: Polyamid  
 Norm: CE EN 1891 - UIAA  
 Type: A  
 Code: CSTP115U

White



### PERFORMANCES

Diameter	11,5mm
Breaking strength	40kN
Nb of falls factor 1	>20
Impact force factor 0,3	5,1kN
Static elongation	3,7%
Sheath percentage	32%
Weight	88g/m

## UNICORE CONCEPT

An astonishing process, bonding rope sheath and core without affecting the rope's suppleness. Even in the hardest conditions of use sheath slippage is suppressed. If the sheath is cut or torn, core and sheath remain bonded together. With a standard rope, if the sheath is cut by abrasion over an edge, a frequent occurrence in work at height and in rescues, it slides and gathers over some metres. It then becomes impossible to pass this zone, either to ascend or to descend. If the problem occurs near to the end of the rope the sheath may slide off completely, and the user fall to the ground.

With the UNICORE process the sheath remains in place and the user may escape, either by descent or ascent, taking all necessary precautions. He/she is not stuck without a solution on the rope. The UNICORE process brings an undeniable gain in security during delicate and dangerous operations.



## TEMP 11mm

The Temp rope is conceived for hostile environment, such as high temperature or chemical hazard situation. Its aramide core withstands short periods at 300°C temperature; if the polyamide melts, the aramide core still holds 800daN. At 500°C, the rope is completely destroyed.

Lengths: 50m, 100m, 200m  
 Material: Polyamid/Aramid  
 Norm: CE EN 1891 - UIAA  
 Type: A  
 Code: CSTPA

White  Yellow  Red



### PERFORMANCES

Diameter	11mm
Breaking strength	25kN
Nb of falls factor 1	15
Impact force factor 0,3	5,6kN
Static elongation	3,1%
Sheath percentage	42%
Weight	79g/m



Photo credit: Dale Stagg/Thinkstock

## TEMP CONCEPT

### EFFECT OF HIGH TEMPERATURES ON ARAMID

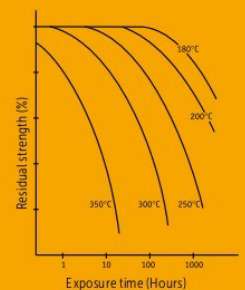
The resistance of Aramid to high temperatures is best illustrated by the graph illustrating the residual strength after exposure to raised temperatures. Thus we may for example see that after 10 hours of exposure at 200°C it retains 100% of its strength, or that after 1 hour at 350°C it retains 90% of its strength.



Polyamid sheath

Aramid

Polyamid core



Relationship between time of exposure at high temperature and residual strength of Aramid





## CORDS

Multi purpose Polyamide accessory cords, with great abrasion resistance thanks to a specific braiding. Available on roll or packet lengths

CODE	DIAMETER	LENGTH	COLOR	WEIGHT	BREAKING STRENGTH	NORM
C01	Cord 1mm	200m	Black	0,65 g/m	0,35 kN	
C02	Cord 2mm	60m / 10m	Black	3,6 g/m	0,8 kN	
C03	Cord 3mm	60m / 10m	Red	6 g/m	1,8 kN	
C04	Cord 4mm	60m / 10m	Violet	10,4 g/m	3,2 kN	EN564 UIAA
C05	Cord 5mm	60m / 5m	Grey	18,7 g/m	5 kN	EN564 UIAA
C06	Cord 6mm	60m / 5m	Green	23,1 g/m	7,2 kN	EN564 UIAA
C07	Cord 7mm	60m / 5m	Blue	31,9 g/m	9,8 kN	EN564 UIAA
C08	Cord 8mm	60m	Yellow	47 g/m	12,8 kN	EN564 UIAA
C09	Cord 9mm	60m	Orange	53 g/m	16,2 kN	



## LOW STRETCH ROPES

Code	Name	Standards	Type	Ø	Breaking strength (kN)	Breaking strength with figure of 8 knot (kN)	Strength with Stitched Eye (kN)	Nb of falls FF1	Impact force factor 0.3 (kN)	Static elongation (9% <sub>50kg</sub> ) (%)	Sheath slippage (%)	Sheath percentage (%)	Weight	Shrink in water (%)	Material	Treatment	Options
CSTB105.xx	BUD 10,5mm	CE EN 1891 - UIAA	Type A	10,5	24	16		12	5,6	3,1	0,2	36,4	67 g/m	5	Polyamid		
CSTP105.xx	PROLINE 10,5mm	CE EN 1891 - UIAA	Type A	10,5	26	17	22	15	4,6	4,8	0,3	44	65 g/m	3,5	Polyamid		Stitched Eye
CSTW11.xx	W-LINE 11mm	CE EN 1891	Type A	11	32	19,5		>20	5,1	2,8	0,8		73g/m	4	Polyamid		
CSTP11.xx	PROLINE 11mm	CE EN 1891 - UIAA	Type A	11	28	18	23	> 20	4,35	4	0,95	43,7	75 g/m	3	Polyamid		Stitched Eye
CSTP105U.xx	PROMAX 10,5	CE EN 1891 - UIAA	Type A	10,5	26	17	22	15	4,6	4,8	0	44	65 g/m	3,5	Polyamid	Unicore	Stitched Eye
CSTP11U.xx	PROMAX 11	CE EN 1891 - UIAA	Type A	11	28	18	22	> 20	4,35	4	0	43,7	75 g/m	3	Polyamid	Unicore	Stitched Eye
CSTP115.xx	PROMAX 11,5mm	CE EN 1891 - UIAA	Type A	11,5	40	23	24	>20	5,1	3,7	0	32	88 g/m	3,3	Polyamid	Unicore	Stitched Eye

## SPECIAL ROPES

CSTPA.xx	TEMP 11mm	CE EN 1891 - UIAA	Type A	11	25	19		15	5,6	3,1	0	42	79 g/m	3,3	Polyamid / Aramid	TEMP	
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## ARBORIST ROPES

CSTA10.xx	ADLINE 10mm Prus.sik			10	17								73 g/m		Polyester		
CSTP13.xx	QUERCUS 13mm	CE EN 1891	Type A	13	34	19	24	>20	5,3	4,2	0	61	99 g/m	4,5	Polyamid		Stitched Eye
CSTP135.xx	SEQUOIA 13,5mm	CE EN 1891	Type A	13,5	30	28	23	>20	5,1	5	0,5	82	119 g/m	2	Polyester and Polyamid		Stitched Eye

## RESCUE ROPES

CSTN12.xx	RESCUE 12mm	CE EN 1891 - UIAA	Type A	12	35	15		>20	5	4,3	0,6	36,8	88 g/m	3,5	Polyamid		
CST13.xx	RESCUE 13mm	CE EN 1891 - UIAA	Type A	13	44	24		>20	5,4	2,9	0,2	37	107 g/m	0,35	Polyamid		

## CANYON & WATER RESCUE ROPES

CSTER106	Elite rescue 10,6mm	CE EN 1891 - UIAA	Type A	10,6	25	18		15	5,2	4	0	37	71g/m	1,5	Sheath: Polyamid/ Polyester Core: Polyamid	Everdry	
CSTC10.xxx	Canyon 10mm	CE EN 1891 - UIAA	Type A	10	23	17		6	5	4,5	0	35	68g/m	1,3	Sheath: Polyamid/ Polyester Core: Polyamid	Everdry	

## MILITARY & POLICE ROPES

CSTAK11	Action 11mm	CE EN 1891	Type A	11	24	18		6	5,9	3,2	0	30	75 g/m	0,5	Sheath: Aramid Core: polyamid		
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## SEWN SLINGS

Our offer of slings gives you a choice for every profession and favorite use. Thanks to our experiences, we decided to certify if possible for all 3 EN standards EN566, EN795B and EN354.

16mm, 19 mm and 26 mm Tubular open slings are completed with an offer of a 18 mm flat webbing sling and a 10mm Dyneema sling.

In addition we created a lightweight sling that holds up to 30kN with a reinforced eye, eye-ring called. A perfect sling to have with you under any circumstances, available in 60, 80, 120, 150 cms



### SEWN SLING TUBULAR 16 mm

CODE	LENGTH	COLOR	WEIGHT	NORM
SA16.30	30cm	Orange	20g	EN566 - EN795B - EN354
SA16.60	60cm	Black	38g	EN566 - EN795B - EN354
SA16.120	120cm	Red	73g	EN566 - EN795B - EN354
SA16.180	180cm	Orange	105g	EN566 - EN795B - EN354
SA16.240	240cm	Green	137g	EN566 - EN795B

### SEWN SLING TUBULAR 19 mm

CODE	LENGTH	COLOR	WEIGHT	NORM
SA19.30	30cm	Orange	25g	EN566 - EN795B - EN354
SA19.60	60cm	Black	47g	EN566 - EN795B - EN354
SA19.120	120cm	Red	89g	EN566 - EN795B - EN354
SA19.180	180cm	Orange	129g	EN566 - EN795B - EN354
SA19.240	240cm	Green	168g	EN566 - EN795B

### SEWN SLING TUBULAR 26 mm

CODE	LENGTH	COLOR	WEIGHT	NORM
SA26.60	60cm	Green or Black	53g	EN566 - EN795B - EN354
SA26.120	120cm	Green or Black	101g	EN566 - EN795B - EN354

### PROLINE 10,5mm

Ropes from the PROLINE line benefit from a thick sheath, increasing the longevity of the rope in difficult or intensive work conditions. Stitched eye can be ordered

Lengths: 50m, 100m, 200m  
 Material: Polyamid  
 Norm: CE EN 1891 - UIAA  
 Type: A  
 Code: CSTPN105

Black Khaki



#### PERFORMANCES

Diameter	10,5mm
Breaking strength	26kN
Nb of falls factor 1	15
Impact force factor 0,3	4,6kN
Static elongation	4,8%
Sheath percentage	44%
Weight	65g/m

### PROLINE 11mm

Ropes from the PROLINE line benefit from a thick sheath, increasing the longevity of the rope in difficult or intensive work conditions. Stitched eye can be ordered.

Lengths: 50m, 100m, 200m  
 Material: Polyamid  
 Norm: CE EN 1891 - UIAA  
 Type: A  
 Code: CSTPN11

Black Khaki



#### PERFORMANCES

Diameter	11mm
Breaking strength	28kN
Nb of falls factor 1	>20
Impact force factor 0,3	4,35kN
Static elongation	4%
Sheath percentage	43,7%
Weight	75g/m

### W-LINE 11mm

This industrial rope is particularly recommended for rope access operation with a motorised ascender / winch. The natural sheath grip offer a maximum efficiency and durability.

Lengths: 50m, 100m, 200m  
 Material: Polyamid  
 Norm: CE - EN1891  
 Type: A  
 Code: CSTW11



#### PERFORMANCES

Diameter	11 mm
Breaking strength	32 kN
Strength with figure 8 knot	21 kN
Number of falls factor 1	>20
Impact force factor 0.3	5,10 kN
Elongation 50/150 kg	2,8 %
Sheath slippage	0,8 %
Shrink in water	4 %
Sheath percentage	36 %

### ACTION 11mm

Type A low stretch rope specially developed for the fast descent by special forces. The Aramid sheath doesn't melt even against an overheated descender. The ACTION rope allows fast descent whereas the classical ropes will be destroyed.

Lengths: 50m, 100m, 200m  
 Material sheath / core: Aramid / Polyamid  
 Norm: CE EN 1891  
 Type: A  
 Code: CSTAK11

Black



#### TEST WITH BLOWTORCH

Semi-static rope holding a mass of 100kg exposed to a temperature of 400° C (+ or- 50° C) for 15 minutes.

#### Results:

- Classic 11 mm rope: Break after around 40 sec.
- Action 11 mm rope: Residual strength around 1000 daN after 15 minutes.

#### PERFORMANCES

Diameter	11mm
Breaking strength	24kN
Nb of falls factor 1	6
Impact force factor 0,3	5,9kN
Static elongation (50/150kg)	3,2%
Sheath percentage	30%
Weight	75g/m

## RESCUE 12mm

The Rescue 12mm rope was specially developed for rescue interventions when extra breaking strength is required. It remains easy to knot even with its large diameter.

Lengths: 50m, 100m, 200m  
 Material: Polyamid  
 Norm: CE EN 1891 - UIAA  
 Type: A  
 Code: CSTN12

 Black



### PERFORMANCES

Diameter	12mm
Breaking strength	35kN
Nb of falls factor 1	>20
Impact force factor 0,3	5kN
Static elongation	4,3%
Sheath percentage	36,8%
Weight	88g/m

## RESCUE 13mm

Low stretch rope for search and rescue activity.

Lengths: 50m, 100m, 200m  
 Material: Polyamid  
 Norm: CE EN 1891 - UIAA  
 Type: A  
 Code: CST13

 White  Red  Blue  Orange  Black



### PERFORMANCES

Diameter	13mm
Breaking strength	44kN
Nb of falls factor 1	>20
Impact force factor 0,3	5,4kN
Static elongation	2,9%
Sheath percentage	37%
Weight	107g/m

## ELITE RESCUE 10.6mm

Type A low-stretch rope made of a polyester-polyamid composite sheath, with Everdry treatment. The rope has a high resistance to abrasion whilst remaining supple in use which make it extremely suitable for water rescue.

Material sheath / core: Polyamid-Polyester/Polyamid  
 Lengths: 50m, 100m, 200m  
 Norm: CE EN 1891 - UIAA  
 Type: A  
 Code: CSTER106

 Orange



### PERFORMANCES

Diameter	10,6mm
Breaking strength	25kN
Nb of falls factor 1	15
Impact force factor 0,3	5,2kN
Static elongation (50/150kg)	4%
Sheath percentage	37%
Weight	71g/m

## CANYON 10mm

Type A low-stretch rope made of a polyester-polyamid composite sheath, with Everdry treatment. The rope has a high resistance to abrasion whilst remaining supple in use. Compared to a standard polyamid sheath, the shrinkage in water is reduced by a factor of 3.

Lengths: 50m, 100m, 200m  
 Material sheath / core: Polyamid-Polyester/Polyamid  
 Norm: CE EN 1891 - UIAA  
 Type: A  
 Code: CSTC10

 Yellow



### PERFORMANCES

Diameter	10mm
Breaking strength	23kN
Nb of falls factor 1	6
Impact force factor 0,3	5kN
Static elongation (50/150kg)	4,5%
Sheath percentage	35%
Weight	68g/m



## SEWN SLING FLAT 18 mm

CODE	LENGTH	COLOR	WEIGHT	NORM
SA18.30	30cm	Red	26g	EN566 - EN795B - EN354
SA18.60	60cm	Black	48g	EN566 - EN795B - EN354
SA18.120	120cm	Red	92g	EN566 - EN795B - EN354
SA18.180	180cm	Black	137g	EN566 - EN795B - EN354
SA18.240	240cm	Red	181g	EN566 - EN795B



## SEWN SLING DYNEEMA 10 mm

CODE	LENGTH	COLOR	WEIGHT	NORM
SAD10.30	30cm	Red	11g	EN566 - EN795B - EN354
SAD10.60	60cm	Black	20g	EN566 - EN795B - EN354
SAD10.120	120cm	Red	38g	EN566 - EN795B - EN354
SAD10.180	180cm	Black	56g	EN566 - EN795B - EN354
SAD10.240	240cm	Red	73,5g	EN566 - EN795B

## SK60 SCAFFOLD CONNECTOR LIGHT ALLOY

Norm: CE EN 362  
 Type: A/T  
 Length: 245mm  
 Width: 115mm  
 Opening: 62mm  
 Weight: 240 g  
 Material: Aluminium light alloy  
 Code: MSK60

Scaffold connector with self locking system, Express opening 62 mm. Ergonomic handling, very light product which can fits on every lanyards even with already made eyelet



## C23 STEEL

Double gate automatic connector with 18mm opening.

Length: 136mm  
 Width: 60mm  
 Eyelet: 22mm  
 Breaking strength: 22kN  
 Weight: 230g  
 Norm: CE EN 362  
 Code: MC23



## QUICK LINK STEEL

Oval 8mm diameter quick link with screw gate.

Type: Q  
 Length: 76 mm  
 Width: 25 mm  
 Ø: 8 mm  
 Weight: 76 g  
 Breaking Strength: 25 kN  
 Norm: CE EN 12275 - UIAA  
 Code: MRAPID8



## C60 LIGHT ALLOY

Double gate automatic connector with wide 60mm opening for scaffolding and other metallic structure.

Length: 236mm  
 Width: 114mm  
 Eyelet: 22mm  
 Breaking strength: 22kN  
 Weight: 475g  
 Norm: CE EN362 - UIAA  
 Code: MC60



## C110 LIGHT ALLOY

Double gate automatic connector with wide 110mm opening for scaffolding and other metallic structure.

Length: 358 mm  
 Width: 165 mm  
 Eyelet: 27 mm  
 Breaking strength: 25 kN  
 Weight: 920 g  
 Norm: CE EN362  
 Code: MC110



# LANYARD

## ALTO Adjustable lanyard

Norm: CE - EN358

Material: PA/PES for the lanyard Light Alloy for the adjuster and connector

ALTO is an adjustable (EN358) work positioning lanyard in 12,5 mm semi-static rope available with or without connectors, 2 lengths (200 & 400cm) and following features:

- Easy adjusting rope clamp.
- Tubular protection webbing for the rope.
- Sewn termination with reinforced eye.
- Transparent cover that allows the inspection of sewing.
- Marked with a unique serial number.



CODE	SIZE	WEIGHT
LRA.200	200 cm	440 g
LRA.400	400 cm	645 g
LRA.200.P	200 cm	575 g
LRA.400.P	400 cm	780 g

CODE	SIZE	WEIGHT
l.60	60 cm	80 g
l.80	80 cm	100 g
l.100	100 cm	120 g
l.120	150 cm	140 g

## TRAX

TRAX is a dynamic lanyard and can also be used as temporary anchor device for working at height. Both ends have stitched eyes with plastic cover and extra webbing tape as abrasion protection.



## DYNAMIC LANYARD

TYPE	CODE	TOTAL LENGTH WHITOUT ANY CONNECTORS	NORM
Trax I	LDI.60	60 cm	EN354 - EN795B
Trax I	LDI.80	80 cm	EN354 - EN795B
Trax I	LDI.100	100 cm	EN354 - EN795B
Trax I	LDI.120	120 cm	EN354 - EN795B

## DYNAMIC PROGRESSION LANYARD

TYPE	CODE	TOTAL LENGTH WHITOUT ANY CONNECTORS	NORM
Trax V	LDV.65	30/65cm	EN354
Trax V	LDV.85	30/85cm	EN354

## ABSORB

ABSORB is a webbing construction energy absorber.

**ABSORB-I** is a fall arrest lanyard for restraint or progression on a fixed line.

Both ends have stitched eyes with plastic covers.

**ABSORB-V** is a fall arrest double lanyard for progression on a fixed line with intermediate anchors or progression on a structure.

Both ends have stitched eyes with plastic covers.



## ENERGY ABSORBER

CODE	TOTAL LENGTH	NORM	COMPOSITION
SHABS	18 cm	EN355	ABSORB

## SINGLE LANYARD WITH ENERGY ABSORBER

CODE	TOTAL LENGTH	NORM	COMPOSITION	WEIGHT	MINIMUM CLEARANCE / 100KG FACTOR 2
SHAB.I10	80 cm	EN355	Connector O3 + ABSORB + I-Lanyard	330 g	4,7 m
SHAB.I10.C60	100 cm	EN355	Connector O3 + ABSORB + I-Lanyard + connector C60	805 g	4,7 m
SHAB.I15	130 cm	EN355	Connector O3 + ABSORB + I-Lanyard	385 g	5,30 m
SHAB.I15.C60	150 cm	EN355	Connector O3 + ABSORB + I-Lanyard + connector C60	860 g	5,30 m
SHAB.I18	160 cm	EN355	Connector O3 + ABSORB + I-Lanyard	420 g	6,25 m
SHAB.I18.C60	180 cm	EN355	Connector O3 + ABSORB + I-Lanyard + connector C60	895 g	6,25 m

## DOUBLE LANYARD WITH ENERGY ABSORBER

CODE	TOTAL LENGTH	NORM	COMPOSITION	WEIGHT	MINIMUM CLEARANCE / 100KG FACTOR 2
SHAB.V10	80 cm	EN355	Connector O3 + ABSORB + V-Lanyard	385 g	4,7 m
SHAB.V10.C60	100 cm	EN355	Connector O3 + ABSORB + V-Lanyard + 2 connectors C60	1335 g	4,7 m
SHAB.V15	130 cm	EN355	Connector O3 + ABSORB + V-Lanyard	500 g	5,30 m
SHAB.V15.C60	150 cm	EN355	Connector O3 + ABSORB + V-Lanyard + 2 connectors C60	1450 g	5,30 m
SHAB.V18	160 cm	EN355	Connector O3 + ABSORB + V-Lanyard	565 g	6,25 m
SHAB.V18.C60	180 cm	EN355	Connector O3 + ABSORB + V-Lanyard + 2 connectors C60	1515 g	6,25 m



# CARABINERS

## PERFORMANCE LIGHT ALLOY

Eyelet connector with triple action opening for maximum security in sportive and professional activities. Catch free closure.

Type: K / T  
 Length: 138 mm  
 Width: 70 mm  
 Eyelet D: 24 mm  
 Weight: 134 g  
 Major axis strength: 28 kN  
 Minor axis strength: 10 kN  
 Open strength: 10 kN  
 Norm: CE EN 12275 / 362 - UIAA  
 Code: MPERFORMANCE



## JET LIGHT ALLOY

Screw gate carabiner, catch free closure and light weight ergonomic body.

Type: B  
 Length: 107 mm  
 Width: 66 mm  
 Weight: 65 g  
 Major axis strength: 28 kN  
 Minor axis strength: 8 kN  
 Open strength: 7 kN  
 Norm: CE EN 12275 / 362 - UIAA  
 Code: MJET



## GUARD LIGHT ALLOY

Screw gate HMS carabiner with catch free closure.

Type: H / B  
 Length: 120 mm  
 Width: 76 mm  
 Weight: 86 g  
 Major axis strength: 24 kN  
 Minor axis strength: 8 kN  
 Open strength: 8 kN  
 Norm: CE EN 12275 / 362 - UIAA  
 Code: MGuard



## GUARD 3 LIGHT ALLOY

Triple action opening HMS carabiner with catch free closure.

Type: H / B  
 Length: 120 mm  
 Width: 76 mm  
 Weight: 100 g  
 Major axis strength: 24 kN  
 Minor axis strength: 8 kN  
 Open strength: 8 kN  
 Norm: CE EN 12275 / 362 - UIAA  
 Code: MGuard3



## Z500 STEEL

Large capacity steel carabiner – screw gate

Type: B  
 Length: 115 mm  
 Width: 73 mm  
 Weight: 251 g  
 Major axis strength: 52 kN  
 Minor axis strength: 16 kN  
 Open strength: 18 kN  
 Norm: EN 362  
 Code: MZ500



## Z503 STEEL

Large capacity steel carabiner – triple action gate

Type: B  
 Length: 115 mm  
 Width: 73 mm  
 Weight: 270 g  
 Major axis strength: 52 kN  
 Minor axis strength: 16 kN  
 Open strength: 18 kN  
 Norm: EN 362  
 Code: MZ503



# CARABINERS

## GUARD O LIGHT ALLOY

Screw gate oval carabiner with catch free closure.

Type: X / B  
 Length: 110 mm  
 Width: 61 mm  
 Weight: 74 g  
 Major axis strength: 21 kN  
 Minor axis strength: 8 kN  
 Open strength: 8 kN  
 Norm: CE EN 12275 / 362 - UIAA  
 Code: MGARDO



## O3 LIGHT ALLOY

Catch free nose oval carabiner with automatic closure, its triple action opening increases security, its symmetrical shape helps to keep components of a system aligned.

Type: X / B  
 Length: 110 mm  
 Width: 61 mm  
 Weight: 81 g  
 Major axis strength: 22 kN  
 Minor axis strength: 8 kN  
 Open strength: 8 kN  
 Norm: CE EN 12275 / 362 - UIAA  
 Code: MO3



## Z101 STEEL

Steel carabiner – screw gate

Type: B  
 Length: 107 mm  
 Width: 57 mm  
 Weight: 179 g  
 Major axis strength: 30 kN  
 Minor axis strength: 8 kN  
 Open strength: 8 kN  
 Norm: EN 362  
 Code: MZ101



## Z102 STEEL

Steel carabiner – twist gate

Type: B  
 Length: 107 mm  
 Width: 57 mm  
 Weight: 197 g  
 Major axis strength: 30 kN  
 Minor axis strength: 8 kN  
 Open strength: 8 kN  
 Norm: EN 362  
 Code: MZ102



## Z103 STEEL

Steel carabiner – triple action gate

Type: B  
 Length: 107 mm  
 Width: 57 mm  
 Weight: 198 g  
 Major axis strength: 30 kN  
 Minor axis strength: 8 kN  
 Open strength: 8 kN  
 Norm: EN 362  
 Code: MZ103



**MAILLON OVAL 8** STEEL - ZINC PLATED OR BLACK

The original oval shape was developed on the principle of a chain link fitted with manual nut opening. This shape reflects the spirit of Maillon Rapide quick links connectors.

Type: Q  
 Length: 77 mm  
 Width: 33,5 mm  
 Opening: 11mm  
 Weight: 77 g  
 Breaking strength: 35 kN  
 Working Load Limit: 7 kN  
 Norm: CE - EN362 - EN12275  
 Code: MPEGO.08 - MPEGO.08B



**MAILLON OVAL 10** STEEL - ZINC PLATED OR BLACK

The original oval shape was developed on the principle of a chain link fitted with manual nut opening. This shape reflects the spirit of Maillon Rapide quick links connectors.

Type: Q  
 Length: 89  
 Width: 40,5mm  
 Opening: 12mm  
 Weight: 137 g  
 Breaking strength: 55 kN  
 Working Load Limit: 11 kN  
 Norm: CE - EN362 - EN12275  
 Code: MPEGO.10 - MPEGO.10B



**MAILLON DELTA 8** STEEL - ZINC PLATED OR BLACK

Delta shape: developed after the ever-increasing development of webbing-fitted systems; perfect for webbing uphold onto its lower flat part.

Type: Q  
 Length: 56  
 Width: 73mm  
 Opening: 10mm  
 Weight: 88 g  
 Breaking strength: 27 kN  
 Working Load Limit: 5 kN  
 Norm: CE - EN362 - EN12275  
 Code: MPEGD.08 - MPEGD.08B



**MAILLON DELTA 10** STEEL - ZINC PLATED OR BLACK

Delta shape: developed after the ever-increasing development of webbing-fitted systems; perfect for webbing uphold onto its lower flat part.

Type: Q  
 Length: 87mm  
 Width: 66mm  
 Opening: 12mm  
 Weight: 153 g  
 Breaking strength: 45 kN  
 Working Load Limit: 9 kN  
 Norm: CE - EN362 - EN12275  
 Code: MPEGD.10 - MPEGD.10B



**MAILLON HALF MOON 10** STEEL - ZINC PLATED OR BLACK

Half moon shape: suitable for the junction of 2 connecting points on a harness.

Type: Q  
 Length: 86mm  
 Width: 66mm  
 Opening: 10mm  
 Weight: 153 g  
 Breaking strength: 45 kN  
 Working Load Limit: 9 kN  
 Norm: CE - EN362 - EN12275  
 Code: MPEGHM.10 - MPEGHM.10B



**MAILLON OVAL 8 INOX** STAINLESS STEEL SS316

The original oval shape was developed on the principle of a chain link fitted with manual nut opening. This shape reflects the spirit of Maillon Rapide quick links connectors.

Type: Q  
 Length: 33,5 mm  
 Width: 74 mm  
 Weight: 79 g  
 Opening: 11mm  
 Breaking strength: 55 kN  
 Working Load Limit: 11 kN  
 Norm: CE - EN362 - EN12275  
 Code: MPEGO.08S



**MAILLON OVAL 10 INOX** STAINLESS STEEL SS316

The original oval shape was developed on the principle of a chain link fitted with manual nut opening. This shape reflects the spirit of Maillon Rapide quick links connectors.

Type: Q  
 Length: 89  
 Width: 40,5mm  
 Opening: 12mm  
 Weight: 141 g  
 Breaking strength: 90 kN  
 Working Load Limit: 18 kN  
 Norm: CE - EN362 - EN12275  
 Code: MPEGO.10SS

**MAILLON DELTA 8 INOX** STAINLESS STEEL SS316

Delta shape: developed after the ever-increasing development of webbing-fitted systems; perfect for webbing uphold onto its lower flat part.

Type: ?  
 Length: 56  
 Width: 73mm  
 Opening: 10mm  
 Weight: 88 g  
 Breaking strength: 35 kN  
 Working Load Limit: 7 kN  
 Norm: CE  
 Code: MPEGD.08SS



**MAILLON DELTA 10 INOX** STAINLESS STEEL SS316

Delta shape: developed after the ever-increasing development of webbing-fitted systems; perfect for webbing uphold onto its lower flat part.

Type: ?  
 Length: 87mm  
 Width: 66mm  
 Opening: 12mm  
 Weight: 156 g  
 Breaking strength: 60 kN  
 Working Load Limit: 12 kN  
 Norm: CE  
 Code: MPEGD.10SS

## TRAFIC 111 LIGHT ALLOY

TRAFIC 111 is a compact mobile plate single pulley (brass bearing) designed for ropes up to 11mm.

Maximum breaking strength: 20 kN.  
 Weight: 120 g  
 Norm: CE EN 12278 - UIAA  
 Code: MP111



## ROTOR 113 R LIGHT ALLOY

This is a compact fixed side plate single pulley designed for ropes up to 12mm and equipped with ball bearings for high efficiency.

Maximum Breaking Strength: 22kN  
 Weight: 140 g  
 Efficiency: 95%  
 Norm: EN 12278 - UIAA  
 Code: MP113R



## TRAFIC 116 LIGHT ALLOY

TRAFIC 116 is a mobile plate single pulley designed for hauling systems and heavy loads (brass bearing), it accepts ropes up to 16mm.

Maximum breaking strength: 30 kN.  
 Weight: 245 g  
 Norm: CE EN 12278 - UIAA  
 Code: MP116



## TRAFIC 116R LIGHT ALLOY

TRAFIC 116R is a mobile plate single pulley designed for hauling systems requiring a high efficiency (ball bearing), it accepts ropes up to 16mm.

Maximum Breaking Strength: 30kN  
 Working Load Limit: 2 x 2,5kN = 5kN  
 Weight: 280 g  
 Efficiency: 95%  
 Code: MP116R



## TRAFIC 216 LIGHT ALLOY

TRAFIC 216 is a mobile plate double pulley designed for hauling systems and heavy loads (brass bearings), it accepts ropes up to 16mm. Equipped with a bottom becket to create complex systems.

Maximum breaking strength: 30 kN.  
 Weight: 415 g  
 Norm: CE EN 12278 - UIAA  
 Code: MP216



## TRAFIC 216R LIGHT ALLOY

TRAFIC 216R is a mobile plate double pulley designed for hauling systems requiring a high efficiency (ball bearings), it accepts ropes up to 16mm. Equipped with a bottom becket to create complex systems.

Maximum Breaking Strength: 30kN  
 Weight: 500 g  
 Efficiency: 95%  
 Norm: CE - EN 12278 - UIAA  
 Code: MP216R



## ROLLER 213 R LIGHT ALLOY

Fixed side plate double pulley equipped with sealed ball bearings for high efficiency, to use on rope with max. diameter 13mm and metallic cable with max. diameter 12mm.

Breaking strength: 25 kN  
 Weight: 290 g  
 Norm: CE EN 12278 - UIAA  
 Code: MP213R



## PATROL LIGHT ALLOY

Descender with double locking and anti-panic system. self-breaking in case of loss of descent control. Sensitive handle enables smooth descent. Also suitable for works at a height and for emergency self-evacuation. Rope can be inserted into device without unclipping it.

Norm: EN 341 Ø rope 11 mm  
 EN 12841-C Ø rope 10 - 12mm, Max. 200kg  
 Weight: 340 g  
 Code: MPATROL



## D8 LIGHT ALLOY

Figure of eight belay and abseil device, its curved shape offers a choice between low or quicker descent, some ears help the cooling and allow to realise a locking key.

Height: 108 mm  
 Width: 80 mm  
 Weight: 92 g  
 Breaking strength: 25 kN  
 Code: MD8



## S8 LIGHT ALLOY

Versatile medium size figure of eight belay device.

Height: 132 mm  
 Width: 74 mm  
 Weight: 102 g  
 Breaking strength: 25 kN  
 Code: MS8



## SWIVEL LIGHT ALLOY

Swivel avoids twisting in a lanyard or rope system.

Norm: CE EN 354  
 Length: 115mm  
 Width: 55mm  
 Breaking strength: 30kN  
 Weight: 162 g  
 Code: MSW



## SWIVEL SWR LIGHT ALLOY

Compact and light forged Aluminium eye to eye swivel with ball bearings, for smooth rotation even under load. Accepts 2 carabiners in each eye.

Norm: CE EN354  
 Length: 83 mm  
 Width: 39 mm  
 Breaking strength: 22 kN  
 Working Load Limit: 4kN  
 Weight: 88 g  
 Code: MSWR





# RIGGING

## HERTZ XS LIGHT ALLOY

The HERTZ XS rigging plate is very small and light (42g), the smooth design will not damage textile slings. Equipped with one main connection point and three 15 mm additional holes he's mostly dedicated to difficult situations with limited space.

Height: 61 mm  
 Width: 62 mm  
 Weight: 42 g  
 Maximum Strength: 36 kN  
 Working Load Limit: 7 kN  
 Norm: CE  
 Code: MHERTZ.XS

## HERTZ S LIGHT ALLOY

The HERTZ S rigging plate has a smooth design ideal for textile slings. Equipped with one main connection point and three 20mm additional holes, it can receive industrial connectors with big nuts such as triple action gate.

Height: 81 mm  
 Width: 83 mm  
 Weight: 92 g  
 Maximum Breaking Strength: 45 kN  
 Working Load Limit: 9 kN  
 Norm: CE  
 CODE: MHERTZ.S

## HERTZ M LIGHT ALLOY

The HERTZ M rigging plate has a smooth design ideal for textile slings. Equipped with one main connection point and seven 20 mm additional holes, it can receive industrial connectors with big nuts such as triple action gate. It's a perfect compact device for complex rigging situations.

Height: 172 mm  
 Width: 83 mm  
 Weight: 188 g  
 Maximum Breaking Strength: 45 kN  
 Working Load Limit: 9 kN  
 Norm: CE  
 Code: MHERTZ.M



## SWING LANYARD

The SWING-LANYARD has two attachment points (20 & 40cm) and is certified to work with the Edelweiss SWING mobile fall arrest device, enabling it to be positioned away from the operator. It allows the operator to create a short or longer link dependent on their needs:

- Short link for work on a gentle slope or to limit the length of a fall (20 cm).
- Longer link to distance the rope from the operator and to gain freedom of movement (40 cm).

### Strong points:

- Includes two restrainers to ensure the correct orientation of the connector at its extremity.
- Marked with a unique serial number.
- To be connected with our O3 (p 23)

Norm: EN354  
 Breaking strength: 22kN  
 Length: 20/40cm  
 Weight: 64g  
 Code: LSWI

## SWING

SWING is a mobile fall arrester with smooth rope friendly cams, designed to be used as the main fall arrest device or as a rope access back-up device, it can be placed or removed of the rope at any point, the cam allows to park the device on the rope. It can be associated with the SWING LANYARD length 20/40cm to work away from the rope and can be released when loaded. The use in Rescue situation is also possible.

Norm: CE EN 353-2      Ø rope 11mm  
 EN12841-A:      Ø rope 11-13mm Max. 100kg  
 RESCUE:      Ø rope 11-13mm Max. 200kg  
 Weight: 165g  
 Code: MSWING



**AS16 HANDLE** ASCENDER

This handle for rope ascent, takes advantage of a specific ergonomics allowing to position a hand on the top of the blocker and the other one in the wide handle, thus a drive at two hands is easy. The wide lower hole allows to connect simultaneously several carabiners whereas the upper hole allows to clip the rope to secure the crossings. The full stainless steel mechanism insures a high durability.

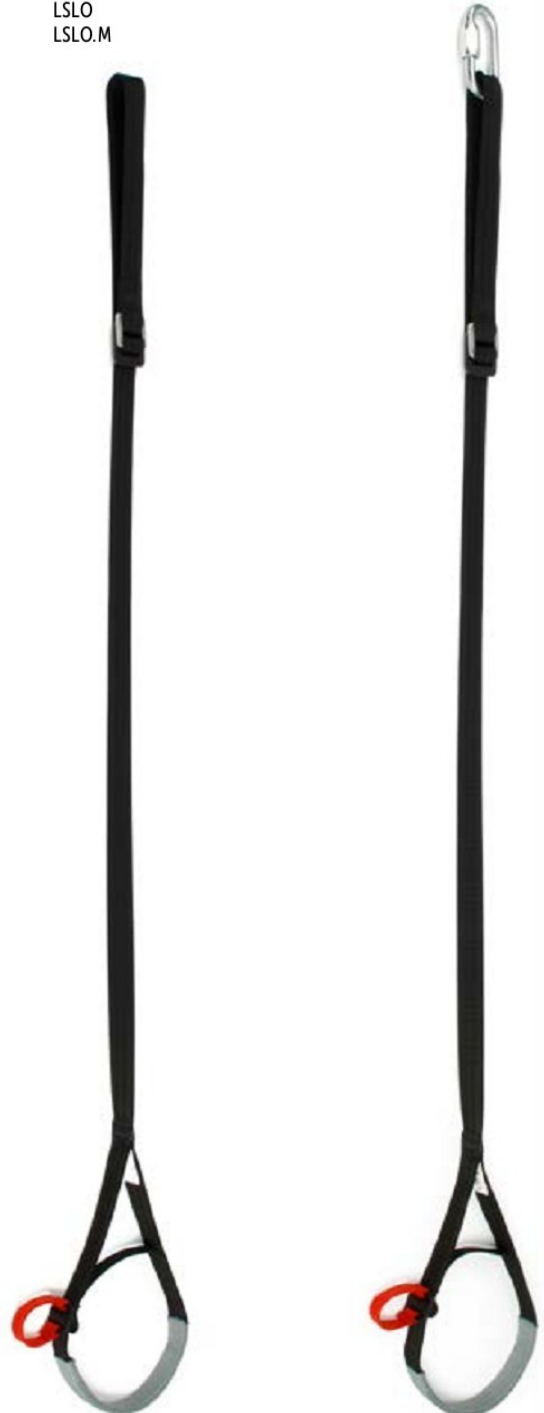
- Height: 235mm
- Width: 110mm
- Weight: 240 g
- Norm: CE - EN 567 - EN 12841-B 100kg
- Norm: For ropes 8 - 13mm in EN 567  
For ropes 10 - 13mm in EN 12841-B
- Body & cam: Light alloy
- Lever: Stainless steel
- Handle & protection: Plastic
- Code: MAS16



**SLOOP**

SLOOP is a foot loop for rope ascent with handle or blocker. Adjustable in length (72-120cm) with fast tightening around the foot, the etrier is strengthened to preserve its opening and resist the abrasion. Also available with Maillon

- Length: Adjustable length from 72 to 120 cm
- Weight: 70 g
- Material: Polyamide / Aluminium
- Code: LSLO
- Code: LSLO.M



**TB16 CHEST** ASCENDER

This very compact device is designed to fit perfectly our harness Hercules-Evo and as well all the fullbody harnesses with sternal Y straps construction. Its specific shape allows it not to turn on itself, thus improving the fluidity on the way up movement, the decreased position of the device improve the amplitude and efficiency of every movement. The full stainless steel mechanism insures a high durability.

- Height: 82mm
- Width: 74mm
- Weight: 160 g
- Norm: CE - EN 567 - EN 12841-B 100kg
- Norm: For ropes 8 - 13mm in EN 567  
For ropes 10 - 13mm in EN 12841-B
- Body & cam: light alloy
- Lever: Stainless steel
- Protection: Plastic
- Code: MTB16



## SEAT CLUB

Using large webbing straps for better stability and rigid sides the CLUB is a comfortable seat for long suspensions. Perfectly adjustable thanks to its automatic buckles, versatile with its 2 main lateral gear loops and 1 loop at the bottom, the CLUB is an essential product for rope workers. Also available in full black

Seat surface: 42 x 15cm  
 Overall length: 54cm  
 Width: 15cm  
 Weight: 1200 g  
 Material loops: Hold 20 kg max.  
 Code: Black/red: HSEL.1  
 Code: Full black: HSEL.2



## DELTA RESCUE

Vertical rescue harness equipped with shoulder straps, big textile attachment points and a back handle.

Norm: CE EN 1497, EN 1498  
 Size: Uni  
 Code: HR.DELT



## HERCULES EVO FULL BODY

Combination of sit and shoulders

Norm: CE - EN 813, EN 358, EN 361  
 S: Height: 155-175cm Waist: 70-90cm Legs: 55-65cm  
 M-L: Height: 170-185cm Waist: 80-105cm Legs: 55-65cm  
 XL: Height: 180-210cm Waist: 90-130cm Legs: 60-75cm  
 Code: HEREVO.FUL



## QUADRO JUNCTION

Catch free nose trapezoid carabiner with automatic closure, its double action opening increases security, its specific shape is designed to perfectly connect webbing systems, such as sit and chest harnesses. i.e. our Hercules Evo.

Type: B  
 Length: 85mm  
 Width: 70mm  
 Opening: 15mm  
 Weight: 80 g  
 Major axis strength: 20 kN  
 Minor axis strength: 10 kN  
 Open gate strength: 5 kN  
 Material: Light Alloy  
 Norm: CE - EN362  
 Code: MQUAD / MQUAD.M



## HERCULES EVO SIT

Sit harness made from highly resistant materials. Padding is reinforced with a polyethylene plate. 2 revolving side attachment points at 180° according to the EN 358 standard. Formed and braided gear loops supporting lots for your equipment with a guaranteed capacity of 10kg.

- Additional loops with a guaranteed capacity of 5kg.
- Streak reflex at waist belt.
- Textile loop for the EN 813 standard attachment point is extra protected.
- 4 adjustment buckles.
- Easy to combine with Hercules Evo shoulders.

Norm: CE - EN 813, EN 358  
 S: Height: 155-175cm Waist: 70-90cm Legs: 55-65cm  
 M-L: Height: 170-185cm Waist: 80-105cm Legs: 55-65cm  
 XL: Height: 180-210cm Waist: 90-130cm Legs: 60-75cm  
 Code: HEREVO.SIT



# HERCULES EVO FULL BODY



Padded and ergonomic shoulder straps to reduce chafing.

Narrow padding of shoulders.

Special loops for your extra equipment.

Loops

Upper front attachment point EN361.

Chest ascender fixation system

Quadro Junction trapezoid carabiner

Extra-protected point even for additional connector or PPE gear. Increases comfort during abseiling.

Lateral point EN 358 at GO position.

The lower front attachment point EN 813 distributes the weight more evenly between the waistbelt and the leg loops. Excellent movement is granted.

Elastic straps for your free movement.

New modern padding, designed for all professionals. Allows grate movement and support.

Slim strap with well done made padding. As yours experiences requires.

Back attachment point EN361.

Lateral point EN 358 at LOCK position.

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Professional gear



## ESCAPE 3

One size fits all fully adjustable harness with auto locking buckles. 2 gear loops, a single well identified tying in point. Versatile and comfortable thanks to its padding, it is suitable for any vertical activity, from beginners to more sustained use.

Norm: CE EN 12277 - UIAA  
Type: C  
Waist: 55 - 110 cm  
Legs: 40 - 70 cm  
Weight: 415 g  
Code: HESC3



## MYGALE 2

Adjustable unpadded harness with three auto locking buckles and two sliding gear loops. A single visible attachment point. Ideal for via ferrata and activity centres.

Norm: CE EN12277 - UIAA  
Type: C  
Size: Universal  
Waist: max. 120cm  
Legs: max. 80cm  
Weight: 400 g  
Code: HMY2





## VULCAIN ELECTRO

With dielectric buckles and D-ring this fall arrest harness (front and back attachment points) is designed to work in electric risks environment, super simple to wear, very light it offers a great ability in movement. Safety in environments where there is risk of electric discharge.

Very lightweight harness

Easy to put on

Dorsal and frontal link points

Dielectric dorsal ring

Especially recommended for electricians and work performed in environments where there is a risk of electric discharge.

Norm: CE - EN 361  
 Size: Universal S-XL for users from 155 to 200cm  
 Weight: 1065 g  
 Code: HVUL.EL



## ABSORB ELECTRO

With dielectric connectors ABSORB-ELECTRO is a fall arrest double lanyard designed to work in electric risks environment. Both ends have stitched eyes with plastic covers. double lanyard.

Norm: CE - EN 355  
 Length: 100/100 cm  
 Code: SHAB-VEL



## HERCULES ACTION FULL + QUADRO

Full body harness for high access work. Great comfort, weight and price ratio. Front and dorsal attachment point. Three positioning rings, two gear loops, and four "D" accessory rings.

The front textile loop attachment point (EN 813 & 358 standard) is extra protected and also has a ring. Black or green foliage colored harness for total discretion.

Full harness made from highly resistant materials, equipped with 3 COBRA (TM) quick release buckles to guarantee a perfect security even under load., anatomic shoulders, front and back fall arrest attachment points (EN 361 standard) made of high tensile steel.

The padding is reinforced with a polyethylene plate, 2 revolving side attachment points at 180° (EN 358 standard).

Formed and braided gear loops supporting lots for your equipment with a guaranteed capacity of 10kg, additional loops with a guaranteed capacity of 5kg.

Norm:	CE EN 358-813-361		
S:	Height: 155-175cm	Waist: 70-90cm	Legs: 55-65cm
M-L:	Height: 170-185cm	Waist: 80-105cm	Legs: 55-65cm
XL:	Height: 180-210cm	Waist: 90-130cm	Legs: 60-75cm
Weight:	1450 g / M-L		
Code:	HER.AK.FULQ Black		
Code:	HER.AK.FULQ.GRF Green Foliage		



## HERCULES ACTION SIT

Sit harness made from highly resistant materials.

Padding is reinforced with a polyethylene plate.

2 revolving side attachment points at 180° according to the EN 358 standard.

Formed and braided gear loops supporting lots for your equipment with a guaranteed capacity of 10kg.

Additional loops with a guaranteed capacity of 5kg.

Textile loop for the EN 813 standard attachment point is extra protected.

Black colored harness for total discretion.

Equipped with 4 COBRA (TM) quick release buckles to guarantee a perfect security even under load.

Norm:	CE - EN 813, EN 358		
S:	Height: 155-175cm	Waist: 70-90cm	Legs: 55-65cm
M-L:	Height: 170-185cm	Waist: 80-105cm	Legs: 55-65cm
XL:	Height: 180-210cm	Waist: 90-130cm	Legs: 60-75cm
Code:	HER.AK.SIT		



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### VULCAIN JACK

Fall arrest harness with front and back attachment point, designed to be super simple to wear, very light it offers a great ability in movement. The removable and breathable jacket increases the comfort particularly in the shoulders area.

Norm: CE EN361  
 Sizes: Universal S-XL  
 for users from 155 to 200cm  
 Weight: 1065g  
 Code: HVUL.J



### VULCAIN

Fall arrest harness with front and back attachment point, designed to be super simple to wear, very light it offers a great ability in movement.

Norm: CE EN361  
 Sizes: Universal S-XL  
 for users from 155 to 200cm  
 Weight: 780g  
 Code: HVUL



## CHALLENGE chest

Completely adjustable chest harness with compact construction. Developed for use with our Challenge sit harness. Raises safety margin in falls. Can be used with any sit harness.

Norm: CE EN 12277 - UIAA  
 Type: D  
 Material: Polyamid  
 Code: HCT



## CHALLENGE sit

Adjustable unpadded harness with three auto locking buckles and two sliding gear loops. A single visible attachment point, closing of the waist on the right side, for easy checking by the instructor in rope courses. Ideal for via ferrata and activity centres.

Norm: CE EN 12277 - UIAA  
 Type: C C  
 Size: XS-L XL  
 Waist: 60-102cm 60 -117cm  
 Legs: 75cm max. 90cm max.  
 Weight: 400g 450 g  
 Code: HCC.3



## VERTIGE

The VERTIGE is a robust helmet with an ABS outer shell, designed for intensive use in a group environment such as on high ropes courses.

The inner liner is suspended and easily adjustable with a strong and simple buckle. The helmet is designed to be durable and easy to wash. Neither the foam nor plastic parts affect the helmet's robustness. Ventilated by 10 large vents and also equipped with headlamp clips to secure your lighting.

Norm: CE - EN 12492  
 Size: 54 - 62 cm  
 Weight: 380 g  
 Material: ABS shell  
 Code: KVER



Easy adjustment



Magnetic locked buckle





Removable and washable comfort padding.



Wheel adjuster



Safety buckle to release the strap over 25 daN



## ARROW work helmet

Norm: CE - EN 397  
Plus optional requirements of the standard for use in low temperatures (-20°C), lateral deformation and molten metal spray.

Size: Wheel adjuster for a perfect fit from 54 to 62 cm

Weight: 390 g

Material: ABS shell + internal EPS pad

Code: KARROW

Work helmet designed with a durable ABS injection molded shell and EPS inner pad, comfortable with its suspended harness, size-fitting via wheel adjuster. Side slots for ear protectors. Headlamp clips to secure your lighting. A releasing system insures the chin strap's strength is less than 25daN. Closure with automatic buckle. Removable and washable comfort padding. Meets the optional requirements of the EN 397 standard for use in very low temperature (-20°C), lateral deformation and molten metal spray.

### ROPE PROTECTOR

Reinforced PVC rope protection with extremely high abrasion resistance to prevent rope damages when the rope is installed on an edge rock or potentially hazardous surface. Opens and attaches easily.

Lengths: 70cm, 90cm, 120cm  
 Material: Polyamid / PVC  
 Weight: 110g - 135g - 175g  
 Code: TEX.70, TEX.90, TEX.120



### ROPE CLEANER

A none-aggressive detergent developed for easy cleaning of polyamide products / ropes or harnesses. However the water temperature used should be less than 30 Celcius.

Code: D.ROCLEAN



### ROPE BRUSH

Our own development for cleaning ropes after action. The brush adapts easy to different rope diameters. Fix the brush on the rope, then slide the brush along the rope while holding the rope under water.

Code: D.ROBRUSH



### THERMO CUTTER

This Thermocutter features an electrically heated blade designed for cutting all ropes easily and effortlessly. Heats up instantly.

Code: D.THCUT





**VITAL II**

Hybrid helmet design with a durable ABS injection molded shell and EPS inner foam to spread the impact force, comfortable and ventilated by 10 large vents. Size-fitting via wheel adjuster. Headlamp clips to secure your lighting. The chin strap's strength is more than 50daN to ensure the helmet remains secured during an impact. The 2016 model has a closure by innovative magnetic buckle, super easy to handle even with gloves. Removable and washable comfort padding.

Norm: CE EN 12492  
Size: 51 > 62cm  
Weight: 435 g  
Material: ABS shell + Expanded Polystyrene liner  
Code: KVIT2



Magnetic locked buckle



### PERFECT

Hybrid gloves with leather palm reinforcement and breathable stretch fabric on the fingers back for better confort.

Norm: CE EN388  
 Sizes: S-M-L  
 Material: 70% cowhide leather, 15% cow suede leather and 15% nylon stretch fabric  
 Code: GL01



### D90 DUFFLE BAG

Rugged construction tarpaulin duffle bag. Large 90 liters capacity with big identification window, pocket on top and internal mesh pockets. Also equipped with four compression straps, haul handles on ends and removable shoulder straps. This bag is designed for long distance trip all over the world.

Size: 90 liters  
 Weight: 2100 g  
 Material: Mainly PVC  
 Code: SAC D90



### T 45 BAG

Heavy duty 451 transport bag made of strong PVC with welded construction. This bag features a reinforced base with 3 base holes to let out water, 2 comfortable shoulder straps and fast opening with adjustable cord closure. Ergonomically shaped, adjustable shoulder straps. Strong side handle for easy transport. External hanging loop / handle. One zippered pocket under the cover and one front zippered pocket.

Size: 45 liters  
 Weight: 1250g  
 Material: Mainly PVC  
 Code: SAC T45

