





By PATRICK EDLINGER

The constraints on liberty

It is not for me to lay down the law with regard to climbing.

For me, the choice is clear, and always has been: it's forbidden to forbid: climbing is above all the realm of freedom. It is to break free of constraint, to meet your desires, express your strength, your agility, your instincts. It is precisely the reverse of a world regimented by white lines, artificial rules and a catalogue of prohibitions.

Nevertheless climbing also involves technique, training, discipline, respect and much responsibility. But nowadays, having said that, it is impossible to stop there. Climbing is in some ways a victim of its own success. Victim because this way of life has become commonplace, a sport, a leisure activity which generates problems of overuse on certain crags. We know it well: vehicles parked everywhere, ground trampled, litter left, and so on...

I learnt an intuitive regard for nature along with my parents. We did not need to question the need to respect the environment. It was normal. It's more complicated today because of the frequent transition direct from indoor walls to natural cliffs, with a lack of recognition that climbers have passed from one world to another. It must be said again: crags don't just belong to climbers, around them one meets walkers, hunters perhaps,

1 BEAL, for more security:

Lower impact force and higher number of falls held, so better security

The more the impact force is lowered:

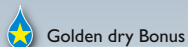
- The more your fall is cushioned.
- The more you protect your anchor point (particularly important if it is questionable).
- The easier it is for your second to hold you.

2 BEAL, for more durability:

Dry Cover sheath treatment is standard, for better abrasion resistance.

A Dry Cover protected rope is:

- More resistant to dust and to the wet.
- More resistant to abrasion.



INDOOR CLIMBING

OUTDOOR CLIMBING

Occasional

Sport

High level

Major routes
Adventure climbing

		OUTDOOR CLIMBING			
		Occasional	Sport	High level	Major routes Adventure climbing
SINGLE ROPE	Joker 9,1mm			★★★★★	
	Stinger 9,4mm		★★	★★★★	
	Booster 9,7mm		★★★	★★★★★	
	Tiger 10mm		★★★	★★★★	
	Flyer 10,2mm	★★	★★★★★	★★★★	
	Edlinger 10,2mm	★★	★★★	★★★	
	Top Gun 10,5mm	★★★	★★★★★	★★★★	
	Apollo 11mm	★★	★★★	★★	
	Wall Master 10,5mm	★★★★★			
	Wall Cruiser 10,4mm	★★★★★	★★★ Top rope		
HALF ROPE	Ice Line 8,1mm				★★★
	Cobra 8,6mm				★★★★★
	Pro Mountain 8,8mm				★★★★★
TWIN ROPE	Verdon 9mm				★★★★★
	Ice Twin 7,7mm				★★★
	Rando 8mm				★★★

*If you are not a guide,
If you are not a high level climber
or mountaineer,
If you need advice...*

mushroom pickers... And then again cliffs, and the places you park to reach them, are often on private property.

There is a real risk that sites will be banned, access charged for, or that they will just become rubbish tips. This risk can easily be deflected. And it's not an arsenal of laws, tables of prohibitions, it's not 'do this, don't do that', no, it's just commonsense, know-how and good manners.

It is in fact very simple, it is exactly how, when roped together, you respect security techniques, because they safeguard the lives of your mate and yourself. Today, faced with environmental issues, climbers can no longer be content with words and pious statements. It needs the engagement of all, all the time, to safeguard our sites, to be clean with nature, and to respect those who, like us, appreciate it, but for different reasons. Climbing in the natural environment has, for me, never been a succession of holds, a naming of grades.

Climbing is also the colour of the rock, the sound of a stream, the clouds,

the smell of a tree, the feel of the stone, it's the path to the crag, it's the people you meet.

We must give ourselves the means for climbing to preserve its freedom. These means, far from being constraints, are a real opportunity for us. The chance to climb in harmonious places, the chance to be considered as responsible, the chance to be proud of oneself. Climbing Attitude is just (and it's already much) a method of use as it exists for using a descender. No difficulty, no constraint, nothing but the pleasure of executing the right moves.

It's just what I have wished to say always, since the film 'La vie au bout des doigts' (Life at the fingertips), and it is, I'm certain, what we all appreciate:

The opportunity to have the most beautiful playground open to you: Nature.

Join us! www.climbing-attitude.org

T. Edlinger

BEAL, more services :

The individual n° of ropes and harnesses reported on www.beal-services.info gives access to numerous services on line.

- Better long-term running of ropes through belay devices.
- Dry Cover added to Golden Dry treatment of the core gives:
 - More resistance to ice and to water.
 - Reduced weight gain in wet conditions.

- Identification service: rediscover your rope with individual notice on line in the Beal traceability system.
- Diagnostic service: an aid to rope wear.
- Management service: aid to the management, control and overseeing of PPE by means of free downloadable software.

ALPINISM			HIKING		Golden dry Bonus ★★★★★	
Snow route	Mixed route	Ice falls	Hiking	Glacier walking		
			★	★		Joker 9,1mm
★★★			★	★		Stinger 9,4mm
★★★★★			★	★		Booster 9,7mm
★★★★★			★	★		Tiger 10mm
★★★			★	★		Flyer 10,2mm
★★						Edlinger 10,2mm
						Top Gun 10,5mm
						Apollo 11mm
						Wall Master 10,5mm
			Use 1 strand	Use 1 strand		
★★★★★	★★★★★	★★★★★	★★★★★	★★★★★		Ice Line 8,1mm
★★★★★	★★★★★	★★★★★	★★★★★	★★★★★		Cobra 8,6mm
★★★★★	★★★★★	★★★★★	★★★	★★★		Pro Mountain 8,8mm
★★★★★	★★★★★	★★★★★	★	★		Verdon 9mm
★★★★★	★★★★★	★★★★★	★★★★★	★★★★★		Ice Twin 7,7mm
			★★★★★	★★★★★		Rando 8mm

SINGLE ROPE
HALF ROPE
TWIN ROPE



BEAL has not waited for regulation to give its ropes and harnesses a system of guaranteed traceability for life and an infallible information key to its products. The first generation of ropes and harnesses integrating this service has been born. In effect, each product possesses a unique individual number from its manufacture which allows identification at any time. It's partly its DNA code, we have thus baptised this identification system **IdN** for **I**dentification **N**umber.

THE IdN, QUALITY GUARANTEE

The BEAL IdN encapsulates BEAL's commitment concerning:

- Adherence to the commitment to ISO 9001 internal traceability.
- Respect for CE standard requirements for external traceability.
- Control of the manufacturing process.
- Knowledge of the date of manufacture of your rope or harness.
- Identification of the batches of materials used.

- Identification of the types of treatments.
- **The 3 year guarantee against any manufacturing fault.**
- **The 10 year maximum period of use.**
- **The 15 year maximum storage period.**

THE BEAL IdN, A GUARANTEE OF SERVICES

IDENTIFY

Free identification service.

In entering your individual IdN number and its key (present on the end of the rope, reel sides, and on harnesses) in the data base of www.beal-services.info you obtain:

- The guarantee that your rope or harness has come from BEAL.
- The guarantee that the model purchased conforms to the model presented by BEAL, with its type, its name, its length, its diameter, its options, and its advised uses.
- The date of manufacture of your rope or harness.
- The theoretical end-of-life date depending on frequency of use.
- The possibility to download the user notice and advice on care and maintenance.
- All the information on its CE certificate of conformity, with its test requirements.

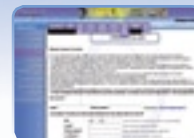


SUBSCRIBE

Free notification service.

In registering you on line, BEAL will advise you directly and personally (by e-mail) of the following points:

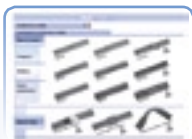
- The date of ending of the 3 year guarantee against all manufacturing faults. (to be verified by purchase receipt if required).
- The theoretical date of end of life based on the intensity of use as indicated by you.
- A reminder of the date of inspection control of each BEAL rope or harness. (You may choose the frequency yourself).
- BEAL may advise you of eventualities which come to light concerning precautions in use, extensions of guarantee or lifetime, new usage advice, changes in standards.



CONTROL

Free apprenticeship Service for inspection of PPE (Personal Protective Equipment).

- Presented for your use on the site www.beal-services.info, sheets to print out concerning the different inspections and maintenance to be made on PPE ropes and harnesses.
- Presented free for your use on the net: Video of training in the control and management of PPE ropes and harnesses. (aid to decision making).



MANAGE

Free management service for PPE (Personal Protective Equipment).

- Put at your free disposal on the net, software on the management of PPE: BEAL Software, a valuable aid to control of a store of PPE.
- BEAL warn you regularly of the state of your stock and may remind you of the inspection dates either by email or directly on the software.



LIFETIME OF BEAL DYNAMIC ROPES AND ACCESSORY CORDS

Lifetime = Time in storage before first use + lifetime in use.

Lifetime:

- Intensive and daily use: up to 1 year
- weekly and intensive use: up to 2 years
- daily in-season use of average intensity: up to 3 years
- weekly in-season use of average intensity: up to 5 years
- several uses during the year of average intensity: up to 7 years
- very occasional light use: up to 10 years.

The rope must be retired earlier:

- if it has held a major fall, approaching fall factor 2
- if inspection reveals or even indicates damage to the core
- if the sheath is very worn
- if it has been in contact with any active or dangerous chemicals
- if there is the slightest doubt about its security.

The lifetime depends on the frequency and the type of use. The mechanical demands, abrasions, exposure to UV and the wet little by little degrade the properties of the rope.

Note that with use, a rope thickens and loses up to 10% of its original length.

Time in storage: in good storage conditions this product may be stored for 5 years before first use without affecting its future lifetime in use.

LOW IMPACT FORCE



Apart from Wall Master V, with very specific properties, all the single ropes have a maximum impact force of around 7kN, and the double ropes around 5kN. But we go much further, because at the end of the series of successive test falls, our ropes still do not exceed the limit which is only required for the first fall! When you consider that rope loses some of its dynamic qualities with each fall, this is an incredible performance, guaranteed only by BEAL!

RAISED NUMBER OF FALLS



Although the UIAA requires a minimum resistance to 5 falls at factor 1,77, BEAL greatly exceeds the requirements of the standards and goes well beyond this number of falls.

SHARP EDGE



In 2002 the UIAA adopted a complementary test to the normal one for testing the strength of a rope over a metal edge. The standard UIAA test involves a mass of 80kg, with a fall of factor 1.77, held over a metal edge of 5mm radius to simulate a karabiner. The test uses the same weight of 80Kg (55Kg for one strand of double rope), and the same fall factor, but this time over a sharp edge of just 0.75mm radius. From 2005, the UIAA no longer recognises the validity of this test.

- BEAL ropes resistant to at least 1 fall over a metal edge of 0.75mm radius: Ice Twin (on two strands)
- ① BOOSTER III 9,7mm, TIGER 10 mm, FLYER II 10,2 mm, TOP GUN II 10,5 mm, APOLLO II 11 mm
 - ② COBRA II 8,6mm, VERDON II 9 mm, JOKER 9,1 mm
 - ③ ICE TWIN 7,7 mm, JOKER 9,1 mm

COMPACT PROCESS



This exclusive weaving process binds the core and sheath together, ensuring perfect equilibrium to the rope and giving it unique advantages.

IDENTIFICATION



Every BEAL rope possesses an individual identification N°, called IdN, on the end of the rope and on an individual identification card.

DRY COVER



This innovation makes the ropes more resistant to ABRASION, and to various attacks such as falls, overheating, humidity, mud and grit, and significantly increases their longevity.

3 YEAR GUARANTEE



All BEAL PPE is guaranteed for 3 years against all faults in materials or manufacture. Excluded from the guarantee: normal wear and tear, modifications or alterations, bad storage, bad maintenance, accidental damage, negligence, and/or uses for which the product was not designed.

BEAL IS CERTIFIED ISO 9001 : 2000



This certificate of quality management demonstrates the capacity of BEAL to guarantee the constant quality of its products and services. Through this certification Beal commits itself to a continuous improvement in customer satisfaction.



ADD AN RFID MICROCHIP



An innovation which revolutionises the traceability of PPE.

To ensure fail-safe traceability of your PPE, in case of loan, hire, or disposing of ropes or harnesses, BEAL has different microchips for insertion into your products. By means of an RFID chip reader and «BEAL Software», the management, control and tracing of PPE is greatly eased. The BEAL Software is also compatible with EAN 128 codes and Datamatrix. For more information:

www.beal-services.info



SAFE CONTROL



Change of pattern in the middle of the rope without cutting the filaments to indicate a length of rope sufficient for descending.



BLACK LIMIT



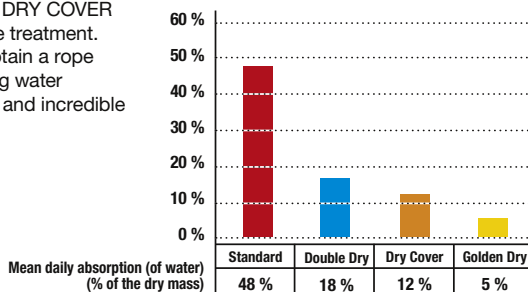
Indelible black marking at the rope's mid-point, on single ropes.



GOLDEN DRY



This is a combination of 2 treatments: to DRY COVER is added a core treatment. This way we obtain a rope with astonishing water impermeability and incredible durability.



Graph of water absorption in intensive use (taken simultaneously on the 4 ropes during many days of real winter conditions).

BICOLOUR



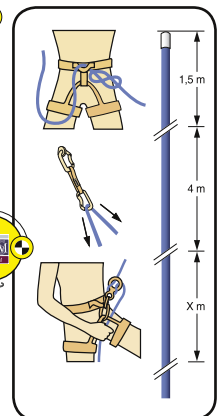
Change of colour in mid-rope, for use when abseiling on double rope.



PROGRAM SYSTEM



Strengthened weave at the ends of the rope for better wear resistance.



Joker 9,1 mm



IdN
D01 | B00FO10506
Key IdN



Here is the ultimate rope, the latest creation of the BEAL LAB, born with the help of the BEAL Team climbers. It's the only rope in the world which conforms to all 3 dynamic rope norms. The JOKER is in effect at the same time a single rope, a half rope and a twin rope. This rope will be loved by the most extreme climbers, seeking lightness and easy running, as much as by more traditional climbers seeking a multi-purpose rope for ridge routes or classic face routes, mixed ice and snow, or snow alone.

STRONG POINTS:

- Multi use.
- Ultra light.
- Ultra smooth.

USES:

- ① Very high level climbers.
- ①/2 ② Climber / Mountaineer.

ATTENTION: Used as single rope, this is not a rope to put in all hands, or in all belaying devices : Its thinness makes it a rope which absolutely demands an expert belayer. In effect, traditional belay devices will offer reduced braking, and some automatic belay devices may not work at all.

PERFORMANCES

Single rope - UIAA - CE	①	①/2	②
Number of bobbins	48	48	48
Weight per metre	53g	53g	53g
Impact force Laboratory	7,90-8,10kN	5,60-5,80kN	9,10-9,30kN
BEAL Guaranteed impact force	8,2kN with 80kg	6kN with 55kg/1 strand	9,5kN with 80kg/2 strands
Number of falls UIAA Laboratory	6-7	24-26	>25
BEAL Guaranteed number of falls	5 with 80kg	20 with 55kg/1 strand	>25 with 80kg/2 strands
Sheath slippage	0mm	0mm	0mm
Extension during the first fall	37%	32%	29%
Static elongation	8%	8%/1 strand	7%/2 strands
Resistance to a factor 1,77 fall over an edge of radius 0,75mm	-	☑	☑



IdN
C01 | B00AO20506
Key IdN



Stinger III 9,4 mm

Designed for high-level climbers, this is the single rope preferred for very hard routes. Amateurs stand aside...

STRONG POINTS:

- An incredible number of falls for its weight and so smooth running that it results in an appreciable increase in energy when clipping.

USES: High grade climbers.

PERFORMANCES

Single rope - UIAA - CE	①
Number of bobbins	40
Weight per metre	59g
Impact force Laboratory	7,60-7,80kN
BEAL guaranteed impact force	8,2kN
Number of falls UIAA Laboratory	8-9
BEAL guaranteed number of falls	7
Sheath slippage	0mm
Extension during the first fall	37%
Static elongation	9,5%



idN
A21 | E00B050506 |
Key idN

Flyer II 10,2 mm

Of modern design, concentrating all the latest BEAL innovations for great handling with relative lightness.

STRONG POINTS:

- Half way between the Booster and the Top Gun, offering a gateway in the progression from classic to super-thin ropes.

USE: Multi-purpose climbing.

PERFORMANCES

Single rope - UIAA - CE	①
Number of bobbins	48
Weight per metre	64g
Impact force Laboratory	7,25-7,40kN
BEAL guaranteed impact force	7,4kN
Number of falls UIAA Laboratory	11
BEAL guaranteed number of falls	10
Sheath slippage	0mm
Extension during the first fall	38%
Static elongation	9,6%
Resistance to a factor 1,77 fall over an edge of radius 0,75mm	<input checked="" type="checkbox"/>



idN
E01 | D00T030506 |
Key idN

Booster III 9,7 mm

Compact, easy-running and ultra-light, this, the pioneer of thin ropes slides in everywhere. It offers excellent strength for very experienced climbers.

STRONG POINTS:

- A good compromise between weight, free-running, grip and strength.
- Low impact force.
- Increased number of falls held.

USES: Very experienced climbers.

PERFORMANCES

Single rope - UIAA - CE	①
Number of bobbins	40
Weight per metre	63g
Impact force Laboratory	7,00-7,20kN
BEAL guaranteed impact force	7,3kN
Number of falls UIAA Laboratory	10-11
BEAL guaranteed number of falls	9
Sheath slippage	0mm
Extension during the first fall	38%
Static elongation	9,7%
Resistance to a factor 1,77 fall over an edge of radius 0,75mm	<input checked="" type="checkbox"/>



idN
F01 | D10T030506 |
Key idN

Tiger 10 mm

Fluid and light, the Tiger 10mm is the perfect choice for starting to use thin ropes.

STRONG POINTS:

- Diameter adapted to all automatic belay devices.
- Easy to clip.
- Nice to handle

USES: Experienced climbers

PERFORMANCES

Single rope - UIAA - CE	①
Number of bobbins	48
Weight per metre	61 g
Impact force Laboratory	7,50 - 7,60kN
BEAL guaranteed impact force	7,60 kN
Number of falls UIAA Laboratory	7 - 8
BEAL guaranteed number of falls	7
Sheath slippage	0 mm
Extension during the first fall	37%
Static elongation	10 %
Resistance to a factor 1,77 fall over an edge of radius 0,75mm	<input checked="" type="checkbox"/>





NEW

Edlinger 10,2 mm

With its proven design, this multipurpose single dynamic rope profits from all the safety and traceability of BEAL ropes, but without the surface treatments of the rest of the range.

USE: Multi-purpose climbing.

PERFORMANCES

Single rope - UIAA - CE	①
Number of bobbins	48
Weight per metre	65g
BEAL guaranteed impact force	8,00kN
BEAL guaranteed number of falls	8
Sheath slippage	0mm
Extension during the first fall	37%
Static elongation	9,5%

idN
A21 | E00B050506
Key idN



Top Gun II 10,5 mm

High-level results and a record number of falls for its diameter, here is one of the most impressive ropes on the market. The figures speak for themselves : 11 falls, 68g/m, 7.4kN impact force.

STRONG POINTS:

- The perfect rope to climb with in total serenity.
- Low impact force + very high number of falls.

USE: Classic climbing.

PERFORMANCES

Single rope - UIAA - CE	①
Number of bobbins	48
Weight per metre	68g
Impact force Laboratory	7,35-7,40kN
BEAL guaranteed impact force	7,4kN
Number of falls UIAA Laboratory	13-14
BEAL guaranteed number of falls	11
Sheath slippage	0mm
Extension during the first fall	37%
Static elongation	9,5%
Resistance to a factor 1,77 fall over an edge of radius 0,75mm	<input checked="" type="checkbox"/>





idN

P 14 | T 22 Z 32 0 5 0 6 |

Key idN

Wall Cruiser 10,4 mm

A rope with astonishing abrasion resistance and flexibility particularly developed for use at climbing walls. An excellent compromise between Wall Master and ropes of traditional construction, it will satisfy the most demanding climbing wall user.

STRONG POINTS:

- Limited sheath slippage even in intensive top roping use.
- Great handling for a wall rope.

USE: Indoor wall climbing.

PERFORMANCES

Single rope - UIAA - CE	①
Number of bobbins	40
Weight per metre	66 g
Impact force Laboratory	8,10 - 8,20kN
BEAL guaranteed impact force	8,50 kN
Number of falls UIAA Laboratory	8 - 10
BEAL guaranteed number of falls	8
Sheath slippage	0 mm
Extension during the first fall	37 %
Static elongation	9,9 %



idN

U 22 | T 00 Z 32 0 5 0 6 |

Key idN

Apollo II 11 mm

Toughest of the tough, this traditional, virtually indestructible rope is capable of surviving the demands of outdoor centres and big walls.

STRONG POINTS:

- Great reserves of security in intensive use.
- Exceptional edge-resistance.
- A sheath capable of withstanding the constraints of Big Wall climbing.

USE: Traditional and Big Wall climbing.

PERFORMANCES

Single rope - UIAA - CE	①
Number of bobbins	48
Weight per metre	75g
Impact force Laboratory	7,50-7,60kN
BEAL guaranteed impact force	7,7kN
Number of falls UIAA Laboratory	16-17
BEAL guaranteed number of falls	16
Sheath slippage	0mm
Extension during the first fall	35%
Static elongation	9,5%
Resistance to a factor 1,77 fall over an edge of radius 0,75mm	<input checked="" type="checkbox"/>



idN

P 11 | U 00 X 17 0 5 0 6 |

Key idN

Wall Master V 10,5 mm

Created for climbing wall use, combines: 32-bobbin super-thick sheath for top-roping abrasion resistance, Compact Process to reduce sheath slippage.

STRONG POINTS:

- Great abrasion resistance.
- Stays supple in use, particularly useful for handling by young people.

USE: Exclusively for indoor wall climbing.

PERFORMANCES

Single rope - UIAA - CE	①
Number of bobbins	32
Weight per metre	67g
Impact force Laboratory	8,10-8,20kN
BEAL guaranteed impact force	8,4kN
Number of falls UIAA Laboratory	9-10
BEAL guaranteed number of falls	8
Sheath slippage	0mm
Extension during the first fall	36%
Static elongation	8,5%

Ice Line 8,1 mm

BEAL presents the very lightest double rope. Its extremely low impact force is excellent news for less-than-perfect belay points in ice and on mixed routes. A trump card that no alpinist can ignore.

STRONG POINTS:

- The lightness and free-running of twin rope but with the advantages of a double rope.
- Really low impact force.

USE: Ice climbers and expert climbers.

PERFORMANCES

Double rope - UIAA - CE	U2
Number of bobbins	32
Weight per metre	42g
Impact force Laboratory	4,85-4,90kN
BEAL guaranteed impact force	4,9kN
Number of falls UIAA Laboratory	9-10
BEAL guaranteed number of falls	7
Sheath slippage	0mm
Extension during the first fall	37%
Static elongation	11,5%



Ice Twin 7,7 mm

Finally a twin rope (Essential to clip both strands together) for ice routes! Ice Twin, with its impact force of 7.4 kN allows its use in adventure climbing, notably on ice. In effect, the impact force of both strands twinned through the karabiner does not exceed the impact force of the best single ropes.

STRONG POINTS:

- Low impact force.
- Raised number of falls.
- All Golden Dry.

USE: Expert climbers on big ice or rock routes.

PERFORMANCES

Twin rope - UIAA - CE	C3
Number of bobbins	32
Weight per metre	37g
Impact force Laboratory	7,25-7,35kN
BEAL guaranteed impact force	7,4kN
Number of falls UIAA Laboratory	16-17
BEAL guaranteed number of falls	15
Sheath slippage	0mm
Extension during the first fall	36%
Static elongation	8%
Resistance to a factor 1,77 fall over an edge of radius 0,75mm	<input checked="" type="checkbox"/>



Cobra II

8,6 mm

The great classic for adventure climbing. Light and free running for ease in use on long routes, crags, and on ice. Technical and strong to support the most difficult demands.

STRONG POINTS:

- Excellent balance between weight and durability.
- Low impact force and high number of falls sustained.

USE: All sorts of mountaineering and adventure climbing use.

PERFORMANCES

Double rope - UIAA - CE	U2
Number of bobbins	40
Weight per metre	48g
Impact force Laboratory	4,85-4,90kN
BEAL guaranteed impact force	5,1kN
Number of falls UIAA Laboratory	18-20
BEAL guaranteed number of falls	16
Sheath slippage	0mm
Extension during the first fall	35%
Static elongation	11,5%
Resistance to a factor 1,77 fall over an edge of radius 0,75mm	<input checked="" type="checkbox"/>



Pro Mountain

8,8 mm

Pro Mountain 8,8 is certainly the toughest double rope on the market. In effect, its extra-thick sheath construction gives it exceptional abrasion resistance. Its excellent durability and relative lightness make it an advantage for professional and collective use (guides, rescue teams, clubs...) In addition each strand is marked in the middle (Black limit) to help with short abseils.

STRONG POINTS:

- Abrasion resistant.
- Black limit as standard.
- Good handling.

USE: professional use.

PERFORMANCES

Double rope - UIAA - CE	U2
Number of bobbins	32
Weight per metre	47 g
Impact force Laboratory	5,45 - 5,55kN
BEAL guaranteed impact force	5,8 kN
Number of falls UIAA Laboratory	11 - 12
BEAL guaranteed number of falls	10
Sheath slippage	0 mm
Extension during the first fall	34 %
Static elongation	7,8 %



Verdon II

9 mm

A classic double rope giving maximum security for all types of climbing.

STRONG POINTS:

- Resistance to abrasion and edges.
- Low impact force + very high number of falls.

USE: Long routes, traditional and adventure climbing.

PERFORMANCES

Double rope - UIAA - CE	U2
Number of bobbins	32
Weight per metre	49g
Impact force Laboratory	5,15-5,25kN
BEAL guaranteed impact force	5,3kN
Number of falls UIAA Laboratory	18-19
BEAL guaranteed number of falls	15
Sheath slippage	0mm
Extension during the first fall	34%
Static elongation	11%
Resistance to a factor 1,77 fall over an edge of radius 0,75mm	<input checked="" type="checkbox"/>



Rando

8 mm



At just 37 grams per metre, it takes up little room, but it takes the impact! On snowfields and steep passages, during mountain walking or skiing, its properties ensure your security.

STRONG POINTS:

- Available in 20 and 30m lengths, also 48m, with markings each 12 metres to assist tying-in.

USE: High level walking and glacier crossing.

PERFORMANCES

Dynamic rope - UIAA - CE	U3	Used on one strand
Number of bobbins	32	32
Weight per metre	37g	37g
BEAL guaranteed impact force	8,5kN with 80 kg 2 strands / fact 1,77	4,2kN with 80 kg 1 strand / fact 0,8
BEAL guaranteed number of falls	12 with 80 kg 2 strands / fact 1,77	5 with 80 kg 1 strand / fact 0,8
Sheath slippage	0mm	0mm



Ferrata

9,4 mm

Single rope designed for optimum use by a roped party of 3 to 4 on VIA FERRATAS.

STRONG POINTS:

- Very light single rope.
- Length adapted to VIA FERRATA use.
- Tie-in points marked.
- Delivered with a user guide adapted to via ferrata use.

USE: Roping-up on via ferrata. The dynamic characteristics of this single rope are the same as for the Stinger II 9,4mm.





Presence of 2 fixings for ice screws.



Traceability

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Key IdN

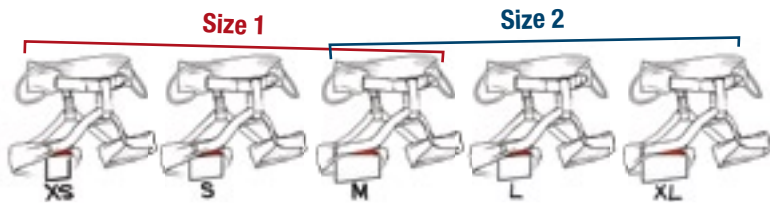
Aero-Mountain II

Mountaineering harness - entirely adjustable with the concept of automatic adjustment around the thighs. Made entirely in reinforced polyester, its abrasion resistance in the mountains is exceptional.

STRONG POINTS:

- Presence of 2 fixings for ice screws.
- 4 gear loops and one rear loop to maintain position back-to-the-crag.

USE: Alpinism and multi-activity.



	SIZE			
AERO-MOUNTAIN II	1	450	55-85cm	40-60cm
AERO-MOUNTAIN II	2	480	75-110cm	50-70cm



Aero-Classic

Adjustable harness of classic form with automatic buckles for thigh adjustment. The normal two waist belt buckles are replaced by a clever sliding system to ensure centralising of the connecting loop.

STRONG POINTS:

- 4 gear loops.
- Light and strong.

USE: Classic multi-use.



Traceability

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Key IdN

	SIZE			
AERO-CLASSIC	One size	490	65-115cm	40-75cm

HARNESSES



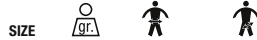
Aero-Team III

Very lightweight harness designed for outdoor centre, young people and hill/glacier travel use. Spans all sizes from XS to XL.

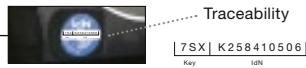
STRONG POINTS:

- Comfort foam at waist and thighs.
- 2 gear-loops.
- Autolock buckles kept secure by a strap (child security).

USE: Centres and children.



AERO-TEAM III	One size	300	60-100cm	45-72cm
---------------	----------	-----	----------	---------



Bambi

A simple and practical harness for budding climbers from 5 to 10 years old, weighing less than 40kg.

STRONG POINTS:

- Two autolocking buckles for rapid and secure adjustment.

USE: Very young children.



BAMBI	5-10 years	335	50cm	<45cm	40-60cm
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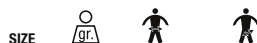
Aquateam III

This very light canyoning harness is furnished with PVC protection around the thighs and waist for sliding with freedom.

STRONG POINTS:

- Adjusts to all sizes from XS to XL.
- Rapid adjustment via autolock buckles kept in place by a strap.

USE: Canyon and Centre discovery activities.



AQUATEAM III	One size	350	60-100cm	45-72cm
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Ringo

A very lightweight split-ring which allows efficient storage of the rope at each belay. An end to ropes which tangle at the belay, or long buckles that catch on the rock or branches. Weight: 50 g



Trail Line Dyneema 7,3 mm

Hauling and abseiling cord. Very light and very low stretch to facilitate hauling, and recovery of single rope abseils.

Warning: this an accessory cord which must not be used as a security rope. On abseils, it may be used as a pull-down line for an appropriately rigged single rope.

Weight : 30g/m - Strength 1050 kg

STRONG POINTS:

- Very static.
- Light.
- In 50 and 60m lengths.



serenity

performance

solution

control

perfection

imagination

summit

nature

harmony

safety

movement

power

vibration

comfort

Crash pad line

BEAL's Crash Pad line is constructed to maximise the reduction in the impact force at the moment of landing from a fall or a jump.

Landing 40 mm
Absorption 40 mm



Double air bag

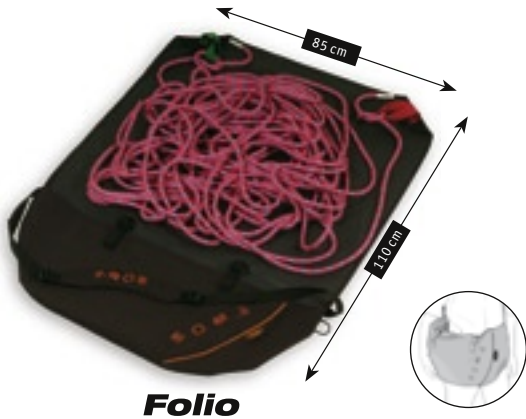
Our double Air Bag is constructed out of 2-density foam with very high impact absorption and recovery capacity guaranteeing excellent dynamic capacity for the lifetime of the mattress. The outer cover is in 100% polyester with reinforced corners. 4 side openings release air at the moment of impact, so that the mattress is not overpressured at that instant. Easy to fold in two, the double air bag has a triple carrying system: handle/bandolier/ruccac straps. Its size, its exceptional impact damping and back carrying system make it a market reference point.

Air light

Made with the same bi-density foams as the Double Air Bag so that the capacity for energy absorption is more than adequate, the Air Light is a mat of 1 metre square so that you can part with the boulder in all serenity. Like its big brother the Double Air Bag, it folds easily in two. Made totally in polyester, it has a triple carrying system of handle / bandolier / shoulder straps.



- emotion
- zen
- spirit
- energy
- serenity
- performance
- solution
- control
- perfection
- imagination
- summit
- nature
- harmony
- safety
- movement
- power
- vibration
- comfort



Folio



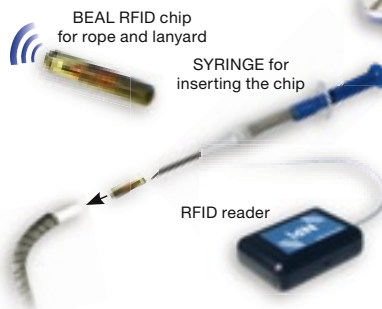
Combi

Traceability



Rope band

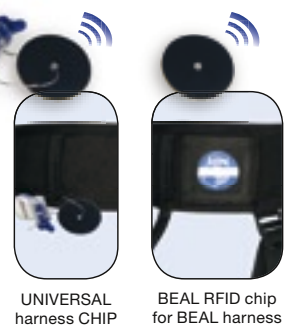
Marking ticket kit



BEAL RFID chip for rope and lanyard

SYRINGE for inserting the chip

RFID reader



UNIVERSAL harness CHIP

BEAL RFID chip for BEAL harness

Maintenance



Rope cleaner



Rope brush



Rope marker



Spelenium Line



A product line dedicated and perfectly adapted to the needs of the caver, giving excellent balance between abrasion resistance and flexibility.

Spelenium Gold 9,5 mm

Very low stretch (2%) confers the static performance so important for ascending long pitches.

Antipodes 8 mm

Accessory cord meeting the requirements of EN564. This product conforms to the specifications of "Lightweight caving rope Type L" as defined by the French Speleological Federation (FFS), for caving undertaken by expert teams.



Aqualine 9,5 mm

Lightweight type B rope, for technical canyoning. Very low elongation (2.4%) makes it excellent for long descents on one strand.

STRONG POINTS:

- Light, easy to handle, very little stiffening.

USES: Technical Canyoning.



Pro Canyon 10,4 mm

Semi-static rope especially adapted to the needs of Centres. Its extra-thick sheath gives very good abrasion resistance, but it's its permanent suppleness which makes it easy to use and to pack in kit bags.

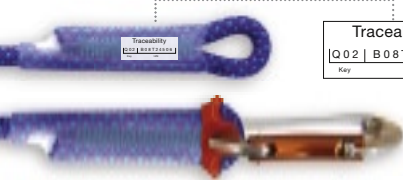
STRONG POINTS:

- Abrasion resistance.
- Stays supple over time.
- Colour adapted to "water current technique."

USES: Canyoning roping.

PERFORMANCES	Spelenium				Antipodes	Aqualine	ProCanyon
	9 mm	9,5 mm Gold	10 mm	10,5 mm			
Diameter	9 mm	9,5 mm Gold	10 mm	10,5 mm	8mm	9,5mm	10,4mm
Type of rope	EN 1891 B	EN 1891 B	EN 1891 A	EN 1891 A	EN 564	EN 1891 B	EN1891B
Breaking load	1900 daN (kg)	1800 daN (kg)	2500 daN (kg)	2800 daN (kg)	1800 daN (kg)	1900 daN (kg)	2100 daN (kg)
Number of factor 1 falls	8 (80kg)	5 (80kg)	6 (100kg)	15 (100kg)	2 (80kg)	5 (80kg)	10 (80kg)
Impact force factor 0,3	4,0 kN	4,6 kN	5,0 kN	5,0 kN	4,0kN	4,80kN	4,7kN
Elongation 50/150 kg	3,6%	2%	4,1%	3,7%	6,5%	2,4%	4,8%
Sheath slippage	0,3%	0,4%	0%	0%	0%	0,4%	0%
Weight per meter	51 g	55 g	61 g	67 g	41g	55g	68g
Sheath percentage	43%	40%	41%	38%	41%	40%	43%
Core percentage	57%	60%	59%	62%	59%	60%	57%
Shrinkage	4%	4%	3%	3,3%	4%	5%	2,5%
Material	Nylon	Nylon sheath Nylon + Vectran core	Nylon	Nylon	Nylon	Nylon sheath Nylon + Vectran core	Nylon

Dynamic Lanyards



Traceability
002 | B 08 T 24 50 6 |
Key 10h

PERFORMANCES	Dynaclip	Dynadoubleclip	Dynaconnexion	Classical tape sling	Dyneema tape sling
Impact force factor 1 / 80 kg	6,2 kN OK	6,2 kN OK	6,2 kN OK	11 kN Δ	>15 kN ☺
Number of falls factor 1 / 80 kg	>20 OK	>20 OK	>20 OK	4-8 Δ	0-1 ☺
Impact force factor 2 / 80 kg	9,5 kN OK	9,5 kN OK	9,5 kN OK	>15 kN ☺	>15 kN ☺
Number of falls factor 2 / 80 kg	8 OK	8 OK	15 OK	0-2 ☺	0 ☺
Breaking load	1500 daN(kg)	1500 daN(kg)	2200 daN(kg)	2200 daN(kg)	2200 daN(kg)

Pinch

System for securing the karabiner at the end of a rope or tape lanyard. Made out of particularly strong material, it ensures effective protection against abrasion when in contact with the rock.



Dynaclip ☺

Lanyard in dynamic rope with sewn terminations for clipping anchors, in total security. The dynamic performance of this lanyard is greatly superior to that of a conventional sewn tape sling. 2 lengths: 40 cm/75 cm.

STRONG POINTS:

- Light.
- Dynamic.
- Compact.

USES: climbing / mountaineering / canyoning.

Dynadoubleclip ☺

Double lanyard of dynamic rope with sewn terminations for secure clipping to belays and to facilitate manoeuvres prior to abseil descents. Length of strands: 40 and 75 cm.

STRONG POINTS:

- Light.
- Dynamic.
- Compact.

USES: Climbing / mountaineering / canyoning.

Dynaconnexion ☺ **NEW**

Sewn sling in dynamic rope for secure clipping to belays, to facilitate manoeuvres prior to abseil descents, but also to lengthen an anchor point when climbing up. This product has been developed by André Laperrière from the Quebecer Mountaineering and Climbing Federation.

STRONG POINTS:

- Breaking load 2200 daN(kg).
- Very compact
- Dynamic

USES: Climbing / mountaineering / canyoning.



Slings



Flat Basic slings 18 mm

30/40/50/60/75/100/120/150/175 cm

Flat slings 26 mm

100/120/150/175 cm

Flat slings 30 mm

100/120/150/175 cm



Tubular slings 16 mm

120 cm

60 cm



Dyneema slings 10 mm

60 cm

120 cm

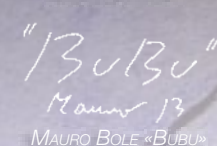
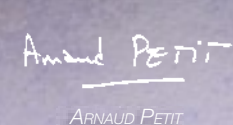
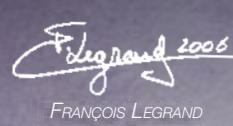


Dyneema slings 6 mm

20 cm

60/120/180/240 cm

BEAL TEAM



WWW.bealteam.com

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 SEBASTIEN CONSTANT / ALEXANDER HUBER
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