



BEAL

GB



## | PROCESS UNICORE

TECHNOLOGY FOR YOUR SECURITY

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.

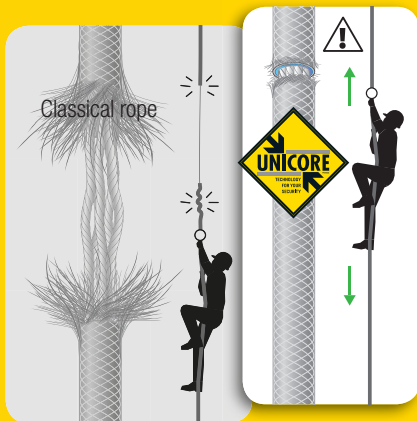
If the problem occurs near the end of the rope the sheath may slide off completely, and the user may fall to the ground.

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 ; its advantages are many:



It allows escape if the sheath has been cut.



It allows temporary cutting of rope lengths with a knife, without melting the ends, without fraying of the sheath.



It prevents sheath slippage.



It reduces shrinkage in water by more than 50 %.



# LIFETIME

## | DURABILITY OF ROPES

The durability of a rope depends above all on the way it is used, but also on numerous technical factors: The quality of yarn used ; the compactness of the rope ; its suppleness ; the braiding of the filaments of the sheath ; their twist ; their number ; the number of braids...

One other factor plays a particularly important role: the thickness of the sheath. You can check the quantity of sheath in BEAL ropes thanks to the percentage shown at the side of this pictogram.



## | LIFETIME OF BEAL METALLIC PPE

The lifetime of metal PPE is not limited.

### ATTENTION :

This is the potential lifetime in use. A metal item of PPE may be destroyed during its very first use. It's inspection and control which determine if the product must be scrapped earlier. Between uses, appropriate storage is essential.



## | LIFETIME OF BEAL PLASTIC AND TEXTILE PPE

### 5 YEARS STORAGE TIME

In good storage conditions plastic and textile BEAL PPE may be stored for up to **5 years** before first use, without affecting their future lifetime in use.



### 10 YEARS LIFETIME IN USE

The potential lifetime of plastic and textile BEAL PPE in use is up to a maximum of **10 years**.



### ATTENTION :

This is the potential lifetime in use. An item of PPE may be destroyed during its very first use. It's inspection and control which determine if the product must be scrapped earlier. Between uses, appropriate storage is essential.

### 15 YEARS LIFETIME

The maximum lifetime of plastic and textile BEAL PPE is up to **15 years**. Lifetime = Time in storage + time in use.



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# IDENTIFICATION

## | IDN UNIQUE NUMBER



All BEAL PPE is marked with a unique number which, in addition to providing the year of manufacture, ensures traceability of the product.



Year of manufacture

## | BCC BEAL COLOR CODE



BEAL slings, pre-cut ropes and lanyards are either embroidered or have a line of stitching which -dependant on the colour used- depicts the year of manufacture of the product.



## | TIP TRACEABILITY, IDENTIFICATION, PERSONALISATION



Harnesses, lanyards, energy absorbers, ropes with sewn terminations are supplied with a TIP label (traceability, identification and personalisation). TIP allows you to identify an item by writing your name and personalising the unique number of your PPE. The TIP also has a QR code and web link to instantly access the item's logbook online, promoting its management. It equally allows for a new generation RFID chip, called NFC, to be stuck to the label as an add-on.

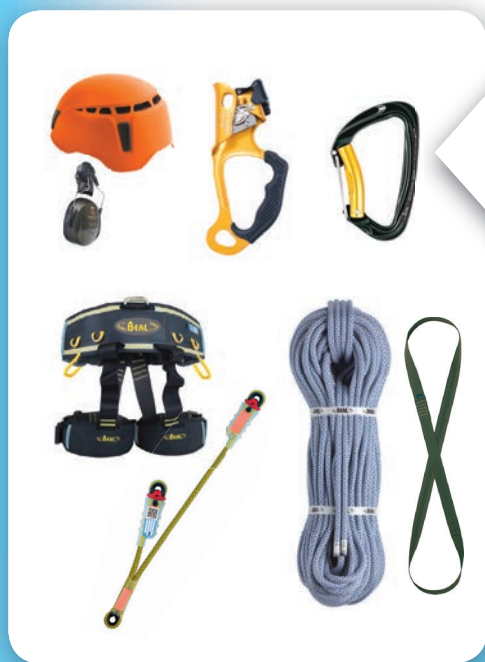


The colour of the internal thread identifies the year of manufacture.

# BEAL inspect PPE MANAGEMENT

[www.beal-inspect.com](http://www.beal-inspect.com) is a PPE management website. By using responsive technology from whichever phone, tablet or computer (connected to the internet) it is able to store logbooks, your documents as well as user instructions in the 'cloud' and to share these between terminals.

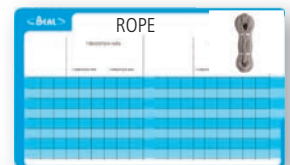
Regardless of the make of your PPE, you can log all inspections, become notified of their forthcoming inspections and share information between terminals (smartphone, tablet, PC and Mac) as well as other people who have been given authorisation.



## REGISTER



SAVE



# CUSTOMIZATION

## NFC NEAR FIELD CONNECTION



NFC is a new standard in RFID chips, ultra compact and flat, compatible with most new generation Smartphones. By bringing your phone close to the NFC chip, information relating to the item of PPE can be accessed directly and wirelessly without the need for specific software, similar to wireless payments which are already becoming commonplace. All PPE equipped with a TIP label can accommodate a NFC chip to allow kit management via smartphone.



The rear of the waist belt contains an area to allow personal marking such as your company's name, as well as a QR code which allows a personal identifier to be generated (your name and unique ID).





## ACCESS 10,5 mm UNICORE

Thanks to the UNICORE Process, Access ropes reach a new level in security. In effect, the UNICORE Process integral to this 10.5 mm rope will secure most delicate operations, whilst retaining lightness and flexibility.



Performances	
Type	A
Weight per metre	65 g
Breaking load	3000 daN (kg)
% of the sheath	38 %
Strength with sewn terminations	2400 daN (kg)
	EN 1891



**Ref.**  
blue: BCSA105.100.B (100m) / BCSA105.200.B (200m) / BCSA.105.500.B (500m)  
orange: BCSA105.100.O (100m) / BCSA105.200.O (200m) / BCSA.105.500.O (500m)



## ACCESS 11 mm UNICORE

With UNICORE as standard, bonding core and sheath for maximum security in all situations.



Performances	
Type	A
Weight per metre	74 g
Breaking load	3400 daN (kg)
% of the sheath	36 %
Strength with sewn terminations	2400 daN (kg)
	EN 1891



**Ref.**  
red: BCSA11.100.R (100m) / BCSA11.200.R (200m) / BCSA11.500.R (500m)  
yellow: BCSA11.100.Y (100m) / BCSA11.200.Y (200m) / BCSA11.500.Y (500m)

## ANTIPODES 10,5 mm

Very tough, this is the established standard rope for work at height. Same construction as the INDUSTRIE 10.5 mm.



Performances	
Type	A
Weight per metre	65 g
Breaking load	3500 daN (kg)
% of the sheath	38 %
Strength with sewn terminations	2400 daN (kg)
	EN 1891



**Ref.**  
white: BCS105.50 (50m) / BCS105.100 (100m) / BCS105.200 (200m) / BCS105.500 (500m)

## ANTIPODES 11,5 mm

Great abrasion resistance for the most demanding applications.



Performances	
Type	A
Weight per metre	78 g
Breaking load	3500 daN (kg)
% of the sheath	38 %
Strength with sewn terminations	2600 daN (kg)
	EN 1891



**Ref.**  
white: BCS115.100 (100m) / BCS115.200 (200m)  
red: BCS115.200.R (200m)

## | INDUSTRIE 10,5 mm

This rope is specially adapted to the requirements of work at height companies.



**Ref. white with sewn termination:**  
BCS1105.10TERM (10m) / BCS1105.20TERM (20m) / BCS1105.30TERM (30m) / BCS1105.40TERM (40m) / BCS1105.50TERM (50m) / BCS1105.60TERM (60m)

Performances	
Type	A
Weight per metre	65 g
Breaking load	3000 daN (kg)
% of the sheath	38 %
Strength with sewn terminations	2400 daN (kg)
	EN 1891



**Ref.**  
white: BCS1105.50 (50m) / BCS1105.100 (100m) / BCS1105.200 (200m) / BCS1105.500 (500m)  
red: BCS1105.50.R (50m) / BCS1105.100.R (100m) / BCS1105.200.R (200m) / BCS1105.500.R (500m)  
blue: BCS1105.100.B (100m) / BCS1105.200.B (200m)

## | INDUSTRIE 11 mm

An ideal rope with no diameter restrictions for security in work at height.



**Ref.**  
white with sewn termination:  
BCS111.10TERM (10m) / BCS111.20TERM (20m) / BCS111.30TERM (30m) / BCS111.40TERM (40m) / BCS111.50TERM (50m) / BCS111.60TERM (60m)  
red with sewn termination:  
BCS111.10TERM.R (10m) / BCS111.20TERM.R (20m) / BCS111.30TERM.R (30m) / BCS111.40TERM.R (40m) / BCS111.50TERM.R (50m) / BCS111.60TERM.R (60m)

Performances	
Type	A
Weight per metre	74 g
Breaking load	3400 daN (kg)
% of the sheath	36 %
Strength with sewn terminations	2400 daN (kg)
	EN 1891



**Ref. white:** BCS111.50 (50m) / BCS111.100 (100m) / BCS111.200 (200m) / BCS111.500 (500m)  
red: BCS111.50.R (50m) / BCS111.100.R (100m) / BCS111.200.R (200m) / BCS111.500.R (500m)  
blue: BCS111.50.B (50m) / BCS111.100.B (100m) / BCS111.200.B (200m) / BCS111.500.B (500m)

## | INDUSTRIE 12 mm

An ideal work at height rope when a large rope diameter is required for greater security.



Performances	
Type	A
Weight per metre	94 g
Breaking load	4200 daN (kg)
% of the sheath	34 %
Strength with sewn terminations	3000 daN (kg)
	EN 1891



**Ref. white:** BCS112.200 (200m) / red: BCS112.200.R (200m)

## | CONTRACT 10,5 mm

Type A rope with the optimum balance quality/price.



Performances	
Type	A
Weight per metre	66 g
Breaking load	2700 daN (kg)
% of the sheath	39 %
	EN 1891



**Ref. white:** BCS105C.20 (20m) / BCS105C.30 (30m) / BCS105C.40 (40m) / BCS105C.50 (50m) / BCS105C.60 (60m) / BCS105C.80 (80m) / BCS105C.100 (100m) / BCS105C.200 (200m) / BCS105C.500 (500m)

## | SEGMENT 11 mm

Rope for work at height with the optimum quality price ratio.



↑ **CE EN 1891 - idN**

Performances	
Type	A
Weight per metre	71 g
Breaking load	3200 daN (kg)
% of the sheath	35 %
	EN 1891



Ref. white: BCS115.50, BCS115.60, BCS115.100, BCS115.200, BCS115.500

## | TOP WORK 10,5 mm

Specially developed in collaboration with one of the principal oil companies for use in difficult conditions on oil rigs. Great handling and maximum durability.



↑ **CE EN 1891 - idN**



Performances	
Type	A
Weight per metre	64 g
Breaking load	2600 daN (kg)
% of the sheath	44 %
Strength with sewn terminations	2200 daN (kg)
	EN 1891



Ref. white: BCSPW105.200 (200m)

## | NORTH SEA 11 mm

Dynamic ropes cushion impacts and must be used during certain procedures to absorb the energy of possible falls.



↑ **CE EN 1891 - idN**



Performances	
Type	A
Weight per metre	75 g
Breaking load	3000 daN (kg)
% of the sheath	44 %
Strength with sewn terminations	2200 daN (kg)
	EN 1891



Ref. white: BCSPW11.200 (200m)







## DYNASTAT 10,5 mm

Security rope which conforms to 2 standards, both the semi-static and the dynamic rope standards.



CAREFUL : a slippage between core/sheath can happened when it is used with a descender

Performances	
IdN NUMBER	
Type	A
Weight per metre	75 g
Breaking load	2500 daN (kg)
% of the sheath	44 %
Strength with sewn terminations	1900 daN (kg)
CE	EN 892 EN 1891



Ref. black & yellow: BCDS105.50 (50m) / BCDS105.60 (60m)

## FLOATING ROPE



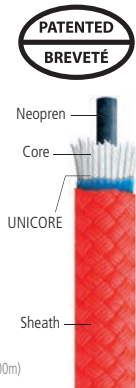
## PRO WATER 11 mm

UNICORE

Floating type A semi-static rope for work at height above water (off-shore wind farms, oil rigs).



Performances	
IdN NUMBER	
Type	A
Weight per metre	80 g OPTION
Breaking load	2500 daN (kg)
% of the sheath	33 %
CE	EN 1891



Ref. orange: BCSW11.100 (100m) / BCSW11.200 (200m)

## DYNAMICS ROPES



## TOP GUN II 10,5 mm

UNICORE

Dynamic ropes cushion impacts and must be used during certain procedures to absorb the energy of possible falls.



Performances	
IdN NUMBER	
Type	1
Weight per metre	68 g
Breaking load	2100 daN (kg)
% of the sheath	40 %
Strength with sewn terminations	1700 daN (kg)
CE	EN 892



Ref.  
green: BC105T.50.G (50m) / BC105T.60.G (60m) / BC105T.70.G (70m) / BC105T.200.G (200m)  
blue: BC105T.50.B (50m) / BC105T.60.B (60m) / BC105T.70.B (70m) / BC105T.200.B (200m)

## APOLLO II 11 mm

Dynamic ropes cushion impacts and must be used during certain procedures to absorb the energy of possible falls.



Performances	
IdN NUMBER	
Type	1
Weight per metre	75 g
Breaking load	2300 daN (kg)
% of the sheath	35 %
E	EN 892



Ref.  
red: BC11A.50.R (50m) / BC11A.60.R (60m) / BC11A.200.R (200m)  
anise: BC11A.50.A (50m) / BC11A.60.A (60m) / BC11A.200.A (200m)

## RESCUE 10,5 mm

Semi-static type A rope with a polyester sheath. Its fluorescent orange colour make it particularly suited for use in rescues.



Performances	
Type	A
Weight per metre	65 g
Breaking load	3000 daN (kg)
% of the sheath	38 %
Strength with sewn terminations	2400 daN (kg)
	EN 1891



Ref. orange: BCSR105.200 (200m)

## RESCUE VLS 11,3 mm

The Rescue VLS is a very low stretch rope designed for technical rope rescue. VLS for Very Low Stretch.

Elongation 50-150kg : 0,8%



Performances	
Weight per metre	94 g
Breaking load	3600 daN (kg)
% of the sheath	43 %
Strength with sewn terminations	2800 daN (kg)
Standard NFPA	Conforms to the main requirements of the NFPA 1983-2012 standard



Ref. yellow Fluorescent: BCSR113.200.Y (200m)  
black: BCSR113.200.BK (200m)

## REACTIVE 10,5 mm

A specialist rope for rescues in low light conditions. Highly visible as soon as a light source is pointed towards it thanks to a reflective yarn that is woven through the sheath.

### ⚠ Warning

The reflective yarn is very fragile and wears rapidly when subjected to abrasion, although it maintains its reflective properties. Its wear does not affect the rope's strength.



Performances	
Type	A
Weight per metre	67 g
Breaking load	3000 daN (kg)
% of the sheath	37 %
Strength with sewn terminations	2400 daN (kg)
	EN 1891



Ref. yellow Fluorescent: BCSR105.200 (200m)

## RESCUE HALF INCH 13 mm

Rope for rescue teams using American methods.



Performances	
Type	A
Weight per metre	107 g
Breaking load	4400 daN (kg)
% of the sheath	37 %
	EN 1891



Ref. White, orange: BCSR13.300 / BCSR13.50



## 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.

## TEST WITH BLOWTORCH

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

### Results:

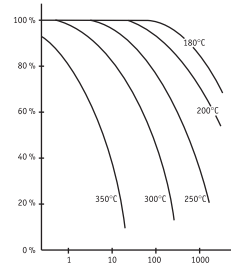
- Classic 11 mm rope: Break after around **40 seconds**.
- RAIDER 11 mm rope: Residual strength around **1500 daN** after 15 minutes.
- RAIDER TACTIC 11 mm rope: residual strength around **1000 daN** after 15 minutes.

## TEST AGAINST A RED HOT BAR

The rope supports a 100 kg mass. It is held clear of a 25 mm bar heated red-hot. It is released against the bar and the time to rupture measured.

### Results:

- Classic 11 mm rope: **3 seconds**
- HOTLINE 11 mm: **5 seconds**
- RAIDER TACTIC 11 mm: **8 seconds**
- RAIDER 11 mm: **18 seconds**

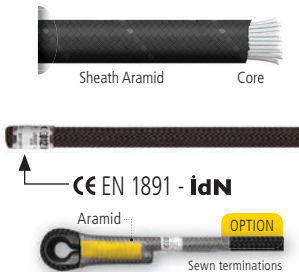


Relationship between time of exposure at high temperature and residual strength of Aramid.



## RAIDER 10,5 mm

Semi-static Type B rope with an Aramid sheath capable of withstanding a long period close to a major source of heat.



Performances	
idN NUMBER	
Type	B
Weight per metre	69 g
Breaking load	2300 daN (kg)
% of the sheath	32 %
Strength with sewn terminations	2300 daN (kg)
CE	EN 1891

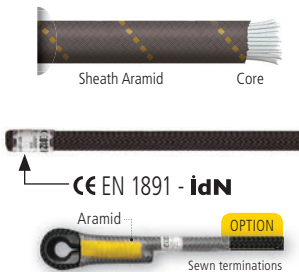


Ref. black: BCSK105R.200 (200m)



## RAIDER 11 mm

Semi-static Type B rope with an Aramid sheath capable of withstanding a long period close to a major source of heat.



Performances	
idN NUMBER	
Type	B
Weight per metre	81 g
Breaking load	2600 daN (kg)
% of the sheath	41 %
Strength with sewn terminations	2200 daN (kg)
CE	EN 1891



Ref. black: BCSK11R.200 (200m)



## RAIDER TACTIC 11 mm

The thickness of the sheath of RAIDER TACTIC has been reduced and the quantity of the core increased Sheath Aramid Core to allow it to be certified as a Type A rope .



Performances	
idN NUMBER	
Type	A
Weight per metre	75 g
Breaking load	2400 daN (kg)
% of the sheath	30 %
Strength with sewn terminations	2200 daN (kg)
CE	EN 1891



Ref. black: BCSK11RT.200 (200m)



## CHEMICAL RESISTANCE OF ARAMID YARN

(exposure for 100 hours)

ACIDS	Residual Tenacity in %age
Hydrochloric 20 % at 20° C	98 %
Nitric 10 % at 20° C	99 %
Sulphuric 20 % at 95° C	93 %
Sulphuric 40 % at 95° C	89 %
Acetic 40 % at 95° C	97 %
Formic 90 % at 95° C	82 %

BASES	Residual Tenacity in %age
Soda 10 % at 95° C	75 %
Wet cement at 95° C	93 %
Ammonia at 20° C	100 %

Other Chemical Products	Residual Tenacity in %age
Petrol / Gas	98 %
Benzene	98 %
Methyl Ethyl Celone	97 %
Ethylene Glycol	94 %
Phenol	95 %
Sea water	100 %



## HOTLINE 11 mm

Semi-static rope with an interior sheath in Aramid, covered by a classic sheath. HOTLINE rope allows access in the presence of certain dangerous chemicals.



Performances	
Type	A
Weight per metre	79 g
Breaking load	2500 daN (kg)
% of the sheath	42 %
Strength with sewn terminations	2200 daN (kg)
	EN 1891

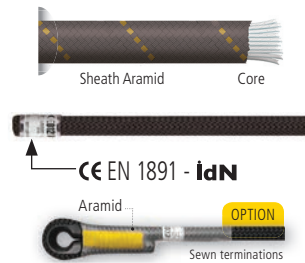


Ref. white: BCSK11.200 (200m)

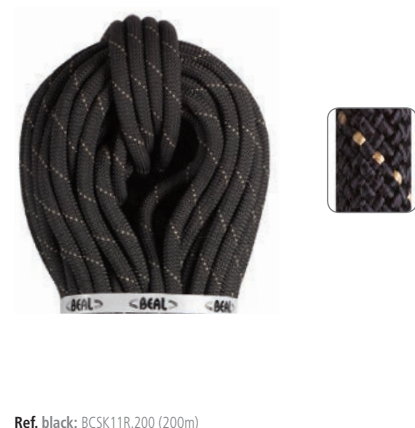


## RAIDER 11 mm

Semi-static Type B rope with an Aramid sheath capable of withstanding a long period close to a major source of heat.



Performances	
Type	B
Weight per metre	81 g
Breaking load	2600 daN (kg)
% of the sheath	41 %
Strength with sewn terminations	2200 daN (kg)
	EN 1891



Ref. black: BCSK11R.200 (200m)



JADE © vuedic.org / BEAL

## ANTIPODES 9 mm

Semi-Static type B rope, ultra light, but necessitating great care during use.



CE EN 1891 - **idN**

Ref.  
white: BCS09.100 (100m) / BCS09.200 (200m)  
red: BCS09.100.R (100m) / BCS09.200.R (200m)

Performances	
Type	9 mm : B 10 mm : A
Weight per metre	9 mm : 51 g 10 mm : 62 g
Breaking load	9 mm : 2100 daN (kg) 10 mm : 2500 daN (kg)
% of the sheath	43 %
	EN 1891



## ANTIPODES 10 mm

The lightest of the type A ropes with a margin of security sufficient for some industrial uses.



CE EN 1891 - **idN**

Ref.  
white: BCS10.100 (100m) / BCS10.200 (200m)  
red: BCS10.100.R (100m) / BCS10.200.R (200m)

## SPECIAL ROPES

## AUSTRALIS 11,5 mm

Specially developed to meet the requirements of Australian standard AS4143.3, this very low stretch rope has a sheath in polyester and is constructed like the American ropes.

### STRONG POINTS

- Reduction in shrinkage (polyester).
- Better heat resistance (Melting point of polyester 260° C).
- Better abrasion resistance due to a thick sheath.

Performances	
Type	-
Weight per metre	93,7 g
Breaking load	3300 daN (kg)
% of the sheath	42 %
Standard	<b>AS4143.3</b>



AS4143.3 - **idN**

Ref. BCSA115.200

## ERGO 12,5 mm

Designed to meet the needs of firefighters in their different tasks, conforming to civil security code NIT no. 129-83-92 and to the Standard EN 1891.



CE EN 1891 - **idN**



OPTION

Sewn terminations

Performances	
Type	A
Weight per metre	101 g
Breaking load	3800 daN (kg)
% of the sheath	43 %
Strength with sewn terminations	2700 daN (kg)
	EN 1891



Ref. white: BCS125.30 (30m) / BCS125.60 (60m) / BCS125.100 (100m) / BCS125.200 (200m)

## BILOBA 11,5 mm

A lightweight arborist rope specially designed for use with mechanical Prusiks. Its double braided construction makes the rope particularly supple. Fluorescent colours ensure the rope is highly visible.

**Materials:** polyester sheath, polyamide core



Performances	
Type	A
Weight per metre	89 g
Breaking load	3000 daN (kg)
% of the sheath	44 %
Strength with sewn terminations	1800 daN (kg)
	EN 1891



**Ref. orange & yellow:** BCSE115.200 (200m)  
**orange & yellow with sewn termination:** BCSE115.20TERM (20m) / BCSE115.30TERM (30m) / BCSE115.35TERM (35m) / BCSE115.40TERM (40m) / BCSE115.50TERM (50m) / BCSE115.60TERM (60m)  
**orange & yellow with two ending:** BCSE115.20TERM2 (20m) / BCSE115.30TERM2 (30m) / BCSE115.35TERM2 (35m) / BCSE115.40TERM2 (40m) / BCSE115.50TERM2 (50m) / BCSE115.60TERM2 (60m)

## GINKGO 12 mm

Made along the same lines as the BAOBAB, its thinner diameter makes a lighter rope, more supple and easier to handle than BAOBAB. It benefits from a new, glueless procedure for bonding the sheath onto the core, preventing all slippage, but still allowing splices to be made.



Performances	
Type	A
Weight per metre	92 g
Breaking load	2700 daN (kg)
% of the sheath	69 %
Strength with sewn terminations	2200 daN (kg)
	EN 1891



**Ref. black & yellow:** BCSE12.200 (200m)  
**black & yellow with sewn termination:** BCSE12.20TERM (20m) / BCSE12.30TERM (30m) / BCSE12.35TERM (35m) / BCSE12.40TERM (40m) / BCSE12.50TERM (50m) / BCSE12.60TERM (60m)  
**black & yellow with two ending:** BCSE12.20TERM2 (20m) / BCSE12.30TERM2 (30m) / BCSE12.35TERM2 (35m) / BCSE12.40TERM2 (40m) / BCSE12.50TERM2 (50m) / BCSE12.60TERM2 (60m)



## BAOBAB 13,5 mm

UNICORE

Its braiding results from the technology of American tree workers, giving it great qualities of strength, pliability and easy handling. The UNICORE process which bonds the core and sheath prevents sheath slippage during use with self-locking loops.



Performances	
Type	A
Weight per metre	119 g
Breaking load	3000 daN (kg)
% of the sheath	82 %
Strength with sewn terminations	2300 daN (kg)
	EN 1891



**Ref. red & white:** BCSE135.200 (200m)  
**red & white with sewn termination:** BCSE135.20TERM2 (20m) / BCSE135.30TERM2 (30m)

## BONSAÏ 13 mm

This multi-use rope, with an excellent handling/solidity balance, allows you to undertake all types of tree work in full security.



Performances	
Type	A
Weight per metre	98 g
Breaking load	3400 daN (kg)
% of the sheath	61 %
Strength with sewn terminations	2500 daN (kg)
	EN 1891



**Ref. blue & white:** BCSE13.200 (200m)  
**Blue & white with sewn termination:** BCSE13.20TERM (20m) / BCSE13.30TERM (30m) / BCSE13.40TERM (40m) / BCSE13.50TERM (50m)  
**Blue & white with two sewn terminations:** BCSE13.20TERM2 (20m) / BCSE13.30TERM2 (30m) / BCSE13.40TERM2 (40m) / BCSE13.50TERM2 (50m)

## ROPES FOR PRUSIKS

### | REGATE 10 mm

Its double braid polyester serves to make prusik loops.  
This 10 mm diameter rope, with high abrasion resistance, runs perfectly.

Performances



Weight per metre 75 g



Ref. yellow : BREG10.100 (100m)



### | PRUSIKS VOLCANO 8 / 10 / 12 mm

Short lengths of rope with sewn terminations for constructing self-locking (prusik) loops. These ropes have a 50 % aramid construction intermixed with polyester filaments. Prusiks made from classic ropes have a very short life, because they glaze in use due to the effect of friction. The presence of 50 % of highly thermally resistant aramid fibres in VOLCANO protect it against melting and thus greatly increases its lifetime.  
Available in 10 and 12 mm, and 70 and 90 cm lengths, to suit different types of knots.

	8 / 10 / 12 mm
	1800daN (kg) / 2000 daN (kg) / 2200 daN (kg)
	EN 354 (8mm, 10mm, 12mm) EN 795B (8mm, 10mm, 12mm)



### | VOLCANO 8 mm

Performances

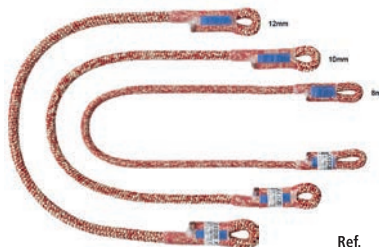


Weight per metre 48 g



EN 564

Ref. Red : BCSV08



Ref.  
8 mm red : BV08.70 (70cm) / BV08.90 (90cm)  
12 mm red : BV12.70 (70cm) / BV12.90 (90cm)  
10 mm red : BV10.70 (70cm) / BV10.90 (90cm)

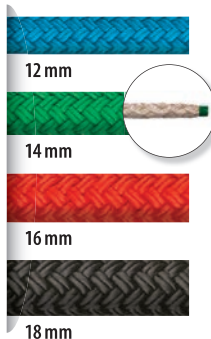
## RETENTION ROPES

The regulations require the application of a coefficient of 7 to all lifting ropes. Breaking load divided by 7 = WLL (Working Load Limit). The weight of the branches must not exceed the Working Load Limit for dismantling in total security. BEAL retention ropes are colour coded by diameter and thus by strength in order to avoid errors.

### | GOLIATH

Coming from the technology of American tree dismantling ropes, GOLIATH is a static double braid rope of 100 % polyester pre-stretched with a polyurethane coating for better abrasion resistance. This rope has an excellent strength/diameter ratio.

Ref.  
blue: BLG12 (12mm) / green: BLG14 (14mm) / red: BLG16 (16mm) / black: BLG18 (18mm)



	Diameter	Breaking load	CMU	Weight per metre	Material
GOLIATH 12	12 mm	4200 daN (kg)	600 daN (kg)	128 g	Polyester
GOLIATH 14	14 mm	5500 daN (kg)	780 daN (kg)	179 g	Polyester
GOLIATH 16	16 mm	6700 daN (kg)	950 daN (kg)	219 g	Polyester
GOLIATH 18	18 mm	8000 daN (kg)	1000 daN (kg)	260 g	Polyester



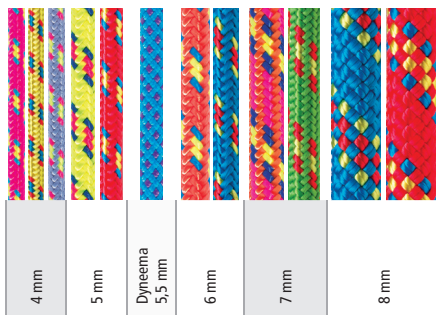




## ACCESSORY CORDS EN 564



Multi-use: BEAL accessory cords from 4 to 8 mm in diameter conform to the requirements of the UIAA and European Standards.



Diameter	Standard	Certification	Weight per meter	Breaking Load		Material
4 mm	EN 564	CE/UIAA	11 g	400 daN (kg)	530 daN (kg)	Polyamide
5 mm	EN 564	CE/UIAA	19.5g	650 daN (kg)	930 daN (kg)	Polyamide
5,5 mm Dyneema	-	CE/UIAA	20 g	1800 daN (kg)	2000 daN (kg)	Sheath: Polyamide Core: Dyneema
6 mm	EN 564	CE/UIAA	23 g	810 daN (kg)	1200 daN (kg)	Polyamide
7 mm	EN 564	CE/UIAA	31 g	1170 daN (kg)	1680 daN (kg)	Polyamide
8 mm	EN 564	CE/UIAA	40 g	1530 daN (kg)	2200 daN (kg)	Polyamide

Ref 4mm x 120m : BC04.120.Y/GY/V  
Ref 5mm x 120m : BC05.120.Y/R

Ref 6mm x 120m : BC06.120.O/B  
Ref 7mm x 120m : BC07.120.O

Ref 8mm x 200m: BC08.200.R/B  
Ref 5,5mmx50m: BC055DYN.50

ACCESSORY CORDS AND WEBBING

## WEBBING EN 565



Tubular for their flexibility or flat for their durability, webbings are specifically used in belay slings. Cut webbing must always be tied with a tape knot.

Type	Width	Standard	Certification	Weight per meter	Breaking Load		Material	Conditioning
Tubular	16 mm	EN 565	CE/UIAA	31 g	1350 daN (kg)	1800 daN (kg)	Polyamide	100 m
	26 mm	EN 565	CE/UIAA	38 g	1500 daN (kg)	2000 daN (kg)	Polyamide	100 m
Flat	18 mm	EN 565	CE/UIAA	39 g	1600 daN (kg)	1800 daN (kg)	Polyamide	100 m
	26 mm	EN 565	CE/UIAA	35 g	1500 daN (kg)	1900 daN (kg)	Polyamide	100 m
	30 mm	EN 565	CE/UIAA	37 g	1600 daN (kg)	1950 daN (kg)	Polyamide	100 m
	45 mm	EN 565	CE/UIAA	55 g	2200 daN (kg)	2600 daN (kg)	Polyamide	100 m

### TUBULAR - 16 mm



BST16.G

### TUBULAR - 26 mm

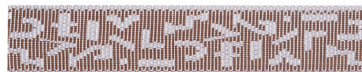


BST26.B



BST26.R

### FLAT 45 mm



BSP45

### FLAT SUPER - 18 mm



BSP18.B



BSP18.GY



BSP18.O



BSP18.R

### FLAT 26 mm



BSP26UNI.BK



BSP26UNI.F



BSP26UNI.G

## POLYAMIDE FLAT SLINGS



EN 566 / EN 795B / EN354

Flat slings 18 mm

Strength: 2200 daN (kg)



Individual idN number



50 cm	30 cm	60 cm	30 cm	100 cm	40 cm
100 cm	80 cm	150 cm	40 cm	120 cm	120 cm
	175 cm		50 cm	150 cm	
			60 cm	175 cm	
			80 cm		

Ref 40 cm Orange/Black: BSA40.5  
Ref 60 cm Red/Black: BSA60.5  
Ref 80 cm Blue/Black: BSA80.5

Ref 100 cm Grey/Black: BSA100.5  
Ref 120 cm Orange/Black: BSA120.5  
Ref 150 cm Red/Black: BSA150.5

## DYNEEMA FLAT SLINGS



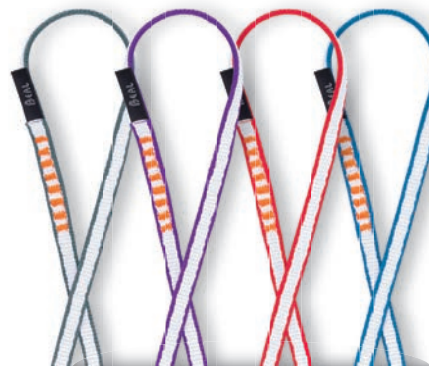
EN 566 / EN 795B / EN354

Flat slings 10 mm

Strength: 2200 daN (kg)



Individual idN number



60 cm | 120 cm | 180 cm | 240 cm

Ref 60 cm/Grey: BSAD10.60.5  
Ref 120 cm/Purple: BSAD10.120.5

Ref 180 cm/Red: BSAD10.180.5  
Ref 240 cm/Blue: BSAD10.240.5

Type	Width	Standard	Certification	Length	Weight	Breaking Load	Material	Conditioning
Flats	18 mm	EN 566	CE/UIAA	30 / 40 / 50 / 60 / 80 / 100 / 120 / 150 / 175 cm	60 cm = 48 g	2200 daN (kg)	Polyamide	5
Dyneema Flats	10 mm	EN 795B EN 354		60 / 120 / 180 cm	60 cm = 19,8 g	2200 daN (kg)	Dyneema	4
Dyneema Flats	10 mm	EN 566 EN 795B	CE/UIAA	240 cm	240 cm = 79 g	2200 daN (kg)	Dyneema	4



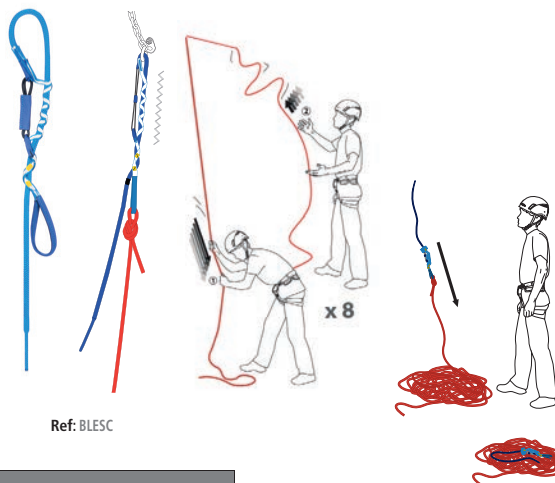
## ESCAPER EN 795B



Detachable anchor system. The ESCAPER allows you to use a single length of rope and to rappel it from remove locations. It can be used with all rope diameters, the limits being imposed by the braking device that is used with the rope. It works with rope lengths up to 80m. The length can be limited by the friction of the rope. To retrieve the ESCAPER, pull then / release the rope. It takes an average of 8 consecutive pull/release motions to detach and retrieve the ESCAPER.

### STRONG POINTS:

- Extremely safe, it only requires a tension of 10 kg to avoid the locking system from sliding.
- A total loosening of the tension on the rope generates a sliding of a few centimeters.
- A sliding of at least 50 cm is necessary to detach the system.
- Very light: made of rope, webbing and bungee band (100 % textile).



Weight	Resistance	Particularity
100 g	18 kN	The bungee band allowing the system work may be replaced. Patented.

## ANCHOR STROP EN 795B

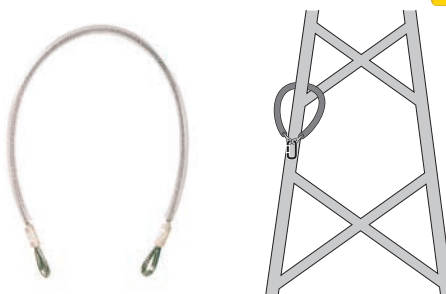


Semi-temporary anchor made from 7 mm galvanised steel cable with plastic cover and 2 swaged terminations.

### STRONG POINTS:

- Available in 0.5 m and 1 m lengths.
- Allows making of semi-temporary anchors.
- Strength 2500 kg.
- Weight: 50 cm = 260 g - 1 m = 434 g.

Ref 50 cm : BMANCH.050  
Ref 1m : BMANCH.100



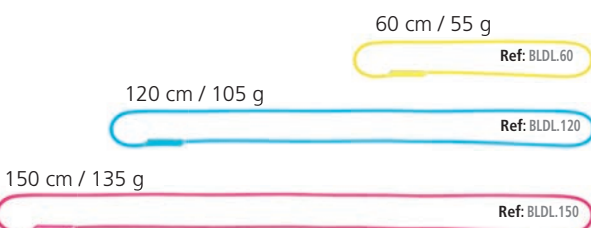
## DYNALOOP EN 566, EN 354



A dynamic rope sling for work restraint. The dynamic characteristics of this sling are far superior to those of a traditional static lanyard or webbing sling.

### STRONG POINTS:

- Perfectly adapted for work positioning at height.
- The use of a dynamic rope can improve the level of safety.
- Sewn termination protected by a heat shrink cover.
- Breaking load 2200 daN
- Marked with a unique serial number



## EYE LOOP EN 795B, EN 354



A heavy duty tubular webbing sling with connecting buckle and wear indicator.

### STRONG POINTS:

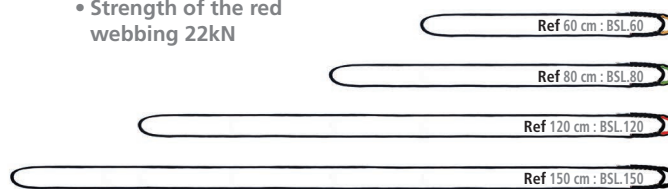
- Strength 30kN
- Strength 22kN when used in a girth hitch configuration
- Double thickness webbing with a red webbing liner. The liner acts as a wear indicator: the product should be retired when the red webbing becomes visible.
- Strength of the red webbing 22kN



- Width 19mm
- Material: Polyamide

Available in 4 lengths:

- 60 cm yellow
- 80 cm green
- 120 cm red
- 150 cm black



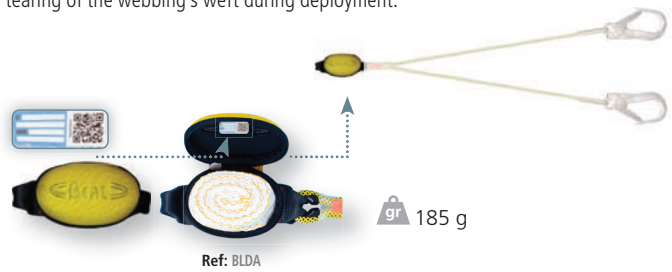
## ABSORB' AIR EN 355



Webbing construction energy absorber. Energy is absorbed through the controlled tearing of the webbing's weft during deployment.

### STRONG POINTS

- Compact and lightweight.
- Easy to open semi-rigid pouch.
- Easy to inspect in its entirety.
- Easy to dry once unrolled.
- Can be combined with a DYNAPRO lanyard to create a lanyard with energy absorber.
- Marked with a unique serial number and labelled to accommodate personal markings as well as a QR code to assist traceability.



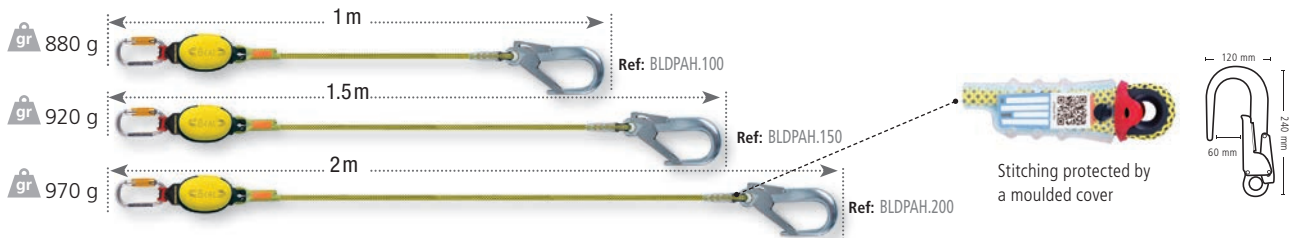
## DYNAPRO-AIR HOOK EN 355 / EN362



Fall arrest lanyard with integrated energy absorber (EN355 + EN 362) designed for work environments with a fall risk.

### STRONG POINTS

- ABSORB' AIR absorber combined with DYNAPRO lanyard.
- Supplied with an AIR-HOOK LARGE connector to connect to the anchor point and an O'LIGHT 3-MATIC connector to connect to the harness.
- Sewn terminations with reinforced eyes to protect the rope.
- Removable cover allows the inspection of termination stitches.
- Marked with a unique serial number and equipped with a label to accommodate personal markings as well as a QR code to assist traceability.
- Available in 3 lengths (including connectors and absorber): 1m / 1.5m / 2m.



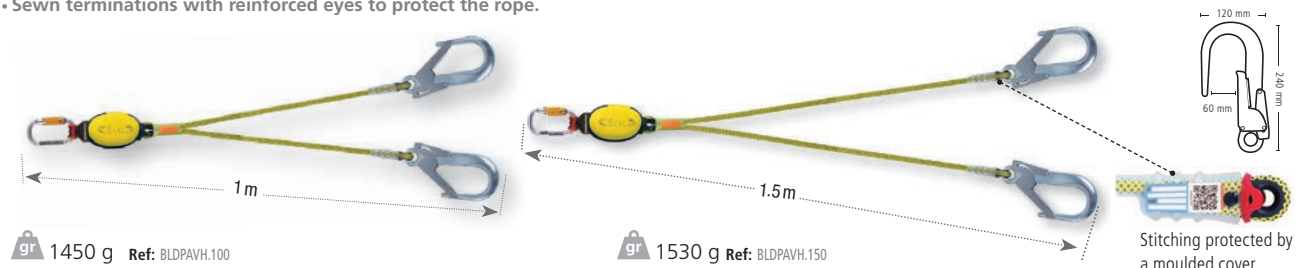
## DYNAPRO-AIR V HOOK EN 355 / EN362



V-shaped fall arrest lanyard with integrated energy absorber (EN355 + EN362). Designed as a progression lanyard for work environments with a fall risk, it is well adapted to structures where anchor points are cables, bars or beams.

### STRONG POINTS

- ABSORB' AIR absorber combined with a V-shaped lanyard.
- V-shaped lanyard with two symmetrical rope legs for progression using fall arrest techniques.
- Supplied with 2 AIR-HOOK LARGE connectors to clip anchor points and an O'LIGHT 3-MATIC connector to connect to the harness.
- Sewn terminations with reinforced eyes to protect the rope.
- 2 removable covers allow the inspection of termination stitches.
- Marked with a unique serial number and equipped with a QR code to assist traceability.
- Available in 2 lengths (including connectors and absorber): 1m / 1.5m



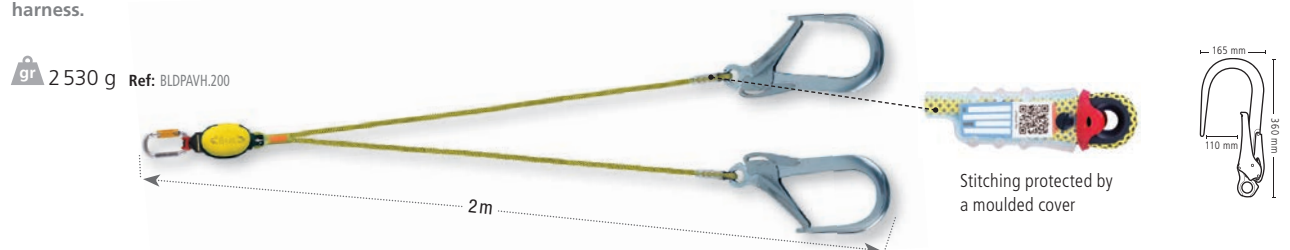
## DYNAPRO-AIR V HOOK XL EN 355 / EN362



V-shaped fall arrest lanyard with integrated energy absorber (EN355 + EN 362). Designed as a progression lanyard for work environments with a fall risk, the size of its connectors make it particularly suited to metal structures.

### STRONG POINTS

- ABSORB' AIR absorber combined with a V-shaped lanyard.
- V-shaped lanyard with two symmetrical rope legs for progression using fall arrest techniques. Its 2 two metre legs allow fluid progression on large structures.
- Supplied with 2 AIR-HOOK XL connectors that can clip anchors on large structures as well as an O'LIGHT 3-MATIC connector to connect to the harness.
- Sewn terminations with reinforced eyes to protect the rope.
- 2 removable covers allow the inspection of termination stitches.
- Marked with a unique serial number and equipped with a label to assist traceability.
- Available in 1 length (including connector and absorber): 2 m.



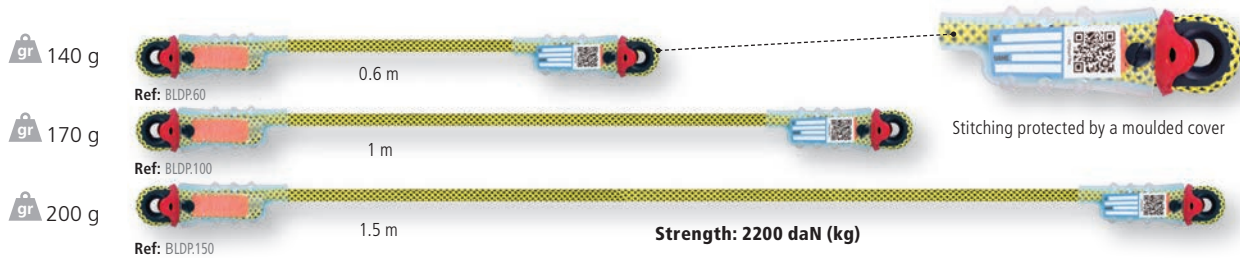
## DYNAPRO EN 354 / EN 795B



Simple dynamic rope lanyard with sewn termination for work restraint. The dynamic characteristics of this lanyard are far superior to those of a traditional static lanyard.

### STRONG POINTS

- Perfectly adapted for work positioning at height.
- Sewn termination with reinforced eye to protect the rope as well as a PINCH to assist connector orientation.
- Enhanced level of protection thanks to the use of a dynamic rope.
- Removable cover allows the inspection of termination stitches.
- Marked with a unique serial number and labelled to accommodate personal markings as well as a QR code to assist traceability.



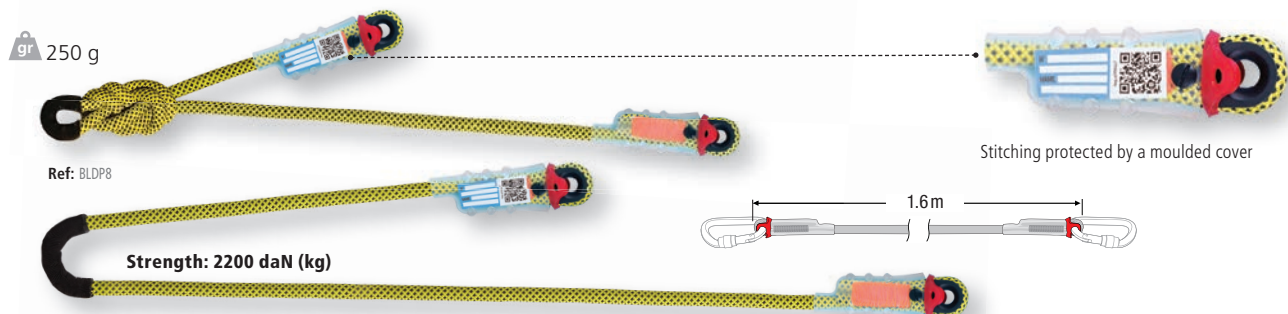
## DYNAPRO 8 EN 354



Adjustable, dynamic rope lanyard with sewn terminations. The dynamic performance of this lanyard is greatly superior to that of traditional static lanyards. By making your own double fig-8 knot point of attachment to your harness you can obtain an asymmetric 'V' lanyard adjusted to your needs. The lanyard thus made, in conformity with the notice, meets Standard EN 354.

### STRONG POINTS

- Possible to clip long or short.
- Ability to pass intermediate anchors thanks to the 2 branches.
- Sewn terminations fitted with a sleeve to protect the rope and a pinch to hold the karabiner in position.
- Improved security in the event of a fall (even of high factor) on the lanyard because of the use of dynamic rope.
- Attach with a maillon rapide or directly onto the chest ring.



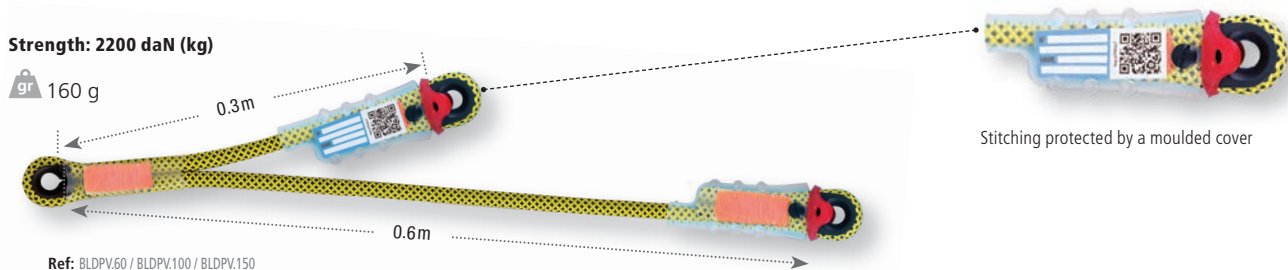
## DYNAPRO V EN 354 / EN 795B



Asymmetric 'V' dynamic rope lanyard with sewn terminations. The dynamic performance of this lanyard is greatly superior to that of traditional static lanyards.

### STRONG POINTS

- Perfectly adapted to work at height and rescue.
- Ability to clip-in short or long.
- Ability to pass intermediate anchors thanks to the 2 branches.
- Sewn terminations fitted with a sleeve to protect the rope and a pinch to hold the karabiner in position.
- Improved security in the event of a fall (even of high factor) on the lanyard because of the use of dynamic rope.
- Secure with a maillon rapide.



## NEXUS EN 354 / EN 795B

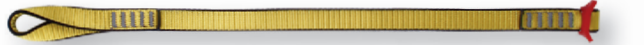


Single or double lanyard with sewn termination for restraint at the workstation or progression on a restraint lifeline. This versatile lanyard allows for temporary anchorages.

### STRONG POINTS

- Perfectly suited for working at height.
- Stitched termination with PINCH to lock the carabiner at its end.
- The connection to the harness is done by a lark head.
- Marked with a unique serial number.

## NEXUS I



Ref: BLNI.60

0.6 m

50 g



Ref: BLNI.80

0.8 m

65 g

## NEXUS V



Ref: BLNV.80

0.8 m

100 g

## ADJUST' AIR EN 358



Adjustable (EN358) work positioning lanyard in 12.5mm semi-static rope.

### STRONG POINTS

- Ergonomic, captive rope clamp.
- Available in 3 lengths: 2 m / 3 m / 5 m.
- Sewn termination with reinforced eye to protect the rope.
- Removable cover allows the inspection of termination stitches.

- Tubular protection webbing for the rope.
- Marked with a unique serial number and labelled to accommodate personal markings as well as a QR code to assist traceability.

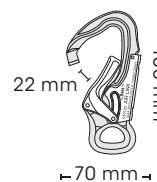


Ref: 2m : BLSAA.200 / 3m : BLSAA.300 / 5m : BLSAA.500

EN12275:2013 K / EN362:2004/T UIAA



- 2 m 710 g
- 3 m 820 g
- 5 m 1020 g



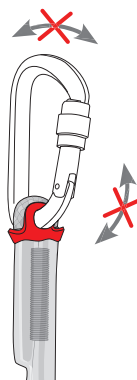
Major Axis Strength	Minor Axis Strength
28kN	10 kN
Open Gate Strength	Weight
10 kN	

## 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.



Pinch  
Ref: BLP



# HERO PRO

EN 361 / EN 358 / EN 813



A fall arrest and work positioning harness.

**STRONG POINTS**

- X shaped shoulder straps increase comfort and ensure excellent load distribution.
- The padded shoulder straps are held apart to minimize neck chafing.
- The waist belt, leg loops and shoulder straps are lined with breathable foam to improve comfort and to reduce perspiration.
- The waist belt's two lateral attachment loops can be folded back to minimise hindrance.
- The dorsal attachment point is made from steel.
- Two opening quick release buckles (one per leg loop) enable the harness to be easily fitted even with cumbersome footwear.
- 4 large, pre-shaped gear loops are positioned around the waist belt to easily accommodate all equipment.
- Mini gear loops compatible with item of the WorkStation.



Ref.  
S : BHPH.1  
M-L : BHPH.2  
XL : BHPH.3

Ref.  
S : BHPH.1.BK  
M-L : BHPH.2.BK  
XL : BHPH.3.BK

Size	Weight (g)	Waist belt (cm)	Leg loop (cm)	Torso circumference (cm)	Stature (cm)	Chest height (cm)
S	2065	70-90	50-65	70-100	155-175	55-70
M-L	2125	80-105	55-65	80-120	170-185	65-80
XL	2230	90-130	60-70	100-140	180-210	75-85

# HERO PRO HOLD UP

EN 567 : 2013 Ø 8-13mm / EN 12841 : 2006-B Ø 10-13mm 100kg - EN 361 / EN 358 / EN 813

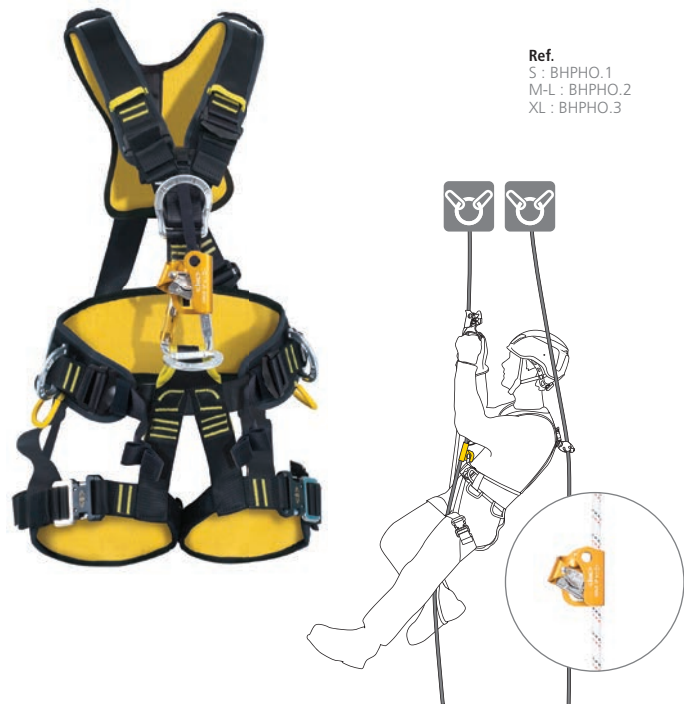


A fall arrest and work positioning harness with ascender to aid rope ascents.

The harness is equipped with the HOLD UP compact chest ascender that is optimised for ascending ropes. The HOLD UP is designed to stay parallel to the user's body allowing the rope to slide easily through the device, making it particularly user friendly.

**STRONG POINTS**

- X shaped shoulder straps increase comfort and ensure excellent load distribution
- The padded shoulder straps are held apart to minimise neck chafing.
- The waist belt's two lateral attachment loops can be folded back to minimise hindrance
- The dorsal attachment point is made from steel.
- Two opening quick release buckles (one per leg loop) enable the harness to be easily fitted even with cumbersome footwear.
- A FLAT LINK connector allows the shoulders straps to be easily connected to the lower part of the harness and is compatible with the HOLD UP chest ascender. Its flat working surface ensures the webbing is properly seated.
- 4 large, pre-shaped gear loops are positioned around the waist belt to easily accommodate equipment.
- Mini gear loops compatible with item of the WorkStation.



Ref.  
S : BHPHO.1  
M-L : BHPHO.2  
XL : BHPHO.3

Size	Weight (g)	Waist belt (cm)	Leg loop (cm)	Torso circumference (cm)	Stature (cm)	Chest height (cm)
S	2065	70-90	50-65	70-100	155-175	55-70
M-L	2125	80-105	55-65	80-120	170-185	65-80
XL	2230	90-130	60-70	100-140	180-210	75-85



## OFF SHORE

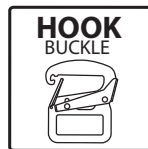
EN 361 / EN 358 / EN 813

Integral suspension harness with metal parts made of stainless steel. This harness is equipped with a sternal fall arresting point (EN361), two lateral points (EN358) and a ventral point (EN813) made of textile.

Ref.  
size S-M: BHPOFF.1  
size L-XL: BHPOFF.2

### STRONG POINTS

- Textile suspension point which allows a great freedom of movement.
- Quick release stainless steel thigh leg loop buckle for fast fitting.
- 4 organiser gear loops to the belt.
- 2 connector hook loops to the shoulders.
- A knife holder on the shoulder.
- Traceability: identification area with QR code to create your own identification.
- Mini organiser gear loops for hanging WorkStation accessories.
- The shoulder strap slides in the sternal ring allowing easy donning.



Size	Weight (g)	Waist belt (cm)	Leg loop (cm)	Stature (cm)
1 (S-M)	1920	70-105	50-65	160-180
2 (L-XL)	2080	85-130	60-75	175-210

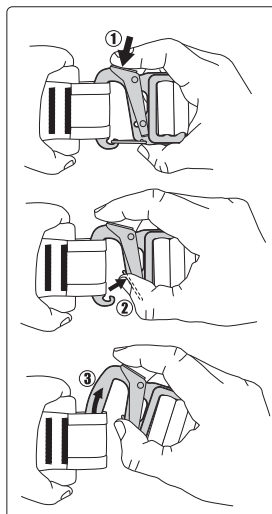
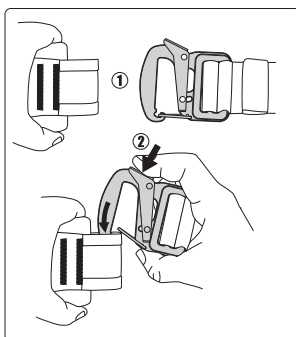
HARNES

### FAST BUCKLE **HOOK** BEAL

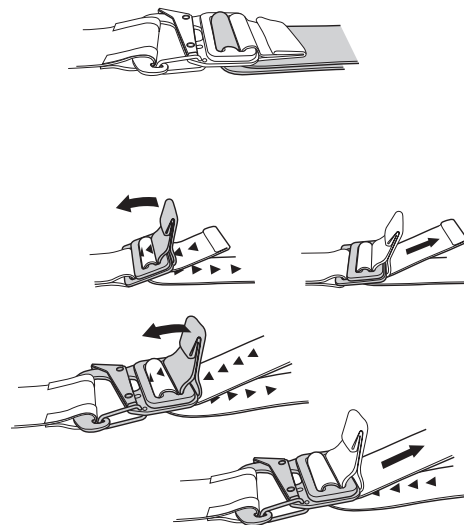


SET UP:  
open 3 actions

SET UP :  
Lock 2 actions



Adjustment :



This buckle is available on :

- OFFSHORE (StainLess Steel)
- STYXFAST (black steel)
- STYXBELT (black steel).



## SHAOLIN

EN 358 / EN 813/ (EN361 With a torso)



SHAOLIN  
+ AIR TOP

SHAOLIN  
+ YPSILON

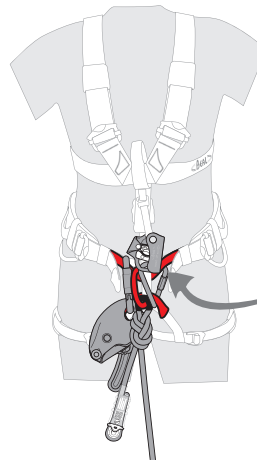
A lightweight fall arrest and work positioning harness.

### STRONG POINTS

- This harness benefits from new technology in the PRO range: WEB CORE technology provides exceptional levels of comfort thanks to optimal pressure distribution on hips and thighs. WEB CORE is a wide, thin and lightweight piece of webbing laser cut to the shape of the harness. This results in a more compact, lightweight and above all more comfortable harness.
- Its ergonomic construction allows a large range of movement.
- The low position of the ventral attachment point yields maximum progression when ascending ropes, whilst its large diameter provides the space for multiple connection to be made i.e. ascenders, connectors, descender and lanyards.
- Two ways of attaching equipment:
  - A large ring provides the space for multiple karabiners and lanyards to be connected and accessed easily during a rescue.
  - Two textile attachment points for connecting lanyards metallic devices on both sides of the ring.
- 2 lateral attachment points EN 358.
- 1 dorsal attachment point for winching.
- A handle can be fitted at the back for rescue use.
- 5 gear organisers, 4 gear loops and 6 fabric loops to connect parts of the WORK STATION range.
- Replaceable rear elastics on leg loops.
- Traceability via an identification area with QR code which allows a personal identifier to be generated (your name and unique ID).
- Compatible with the AIR TOP and YPSILON chest harness to create a full body harness EN 361.



Ref.  
S : BHPSH.1  
M-L : BHPSH.2  
XL : BHPSH.3



### USES

Work at height, rescue, route setting, and high ropes course technicians.

Size	Weight (g)	Waist circumference (cm)	Leg loop circumference (cm)
S	700	60-100	42-60
M-L	760	72-120	52-70
XL	810	85-140	57-75

## HERO SIT

EN 358 / EN 813 / (EN361 With a torso)



HERO SIT  
+ AIR TOP

HERO SIT  
+ YPSILON

Work positioning and rope access harness.

### STRONG POINTS

- The semi-rigid leg loops and waist belt assure optimal pressure distribution where the body is in contact with the harness.
- The waist belt and leg loops are lined with a breathable foam, increasing comfort and reducing perspiration.
- The waist belt's two lateral attachment loops are articulated to minimise hindrance.
- Two double action opening quick release buckles (one per leg loop) enable the harness to be easily fitted even with cumbersome footwear.
- The rear of the waist belt contains an area to allow personal marking such as your company's name in addition to a QR code which allows a true identifier to be generated (your name and unique ID).
- 3 large, pre-shaped gear loops are positioned around the waist belt to easily accommodate all equipment.
- 4 mini gear loops can be used to attach 'AIR-LEASH' extendable tool holders or 2 'TOOL-BUCKET' tool pouches.



Ref.  
S : BHPHS.1  
M-L : BHPHS.2  
XL : BHPHS.3



Size	Weight (g)	Waist circumference (cm)	Leg loop circumference (cm)
S	1437	70-90	50-65
M-L	1478	80-105	55-65
XL	1568	90-130	60-70



## AIR TOP EN 361 / EN 12 277 type D

Adjustable chest harness with figure of 8 shape for use with a HERO SIT or SHAOLIN sit harness. This comfortable harness ensures the user remains in an upright position during a fall.

### STRONG POINTS

- Figure of 8 shape provides freedom of movement and distributes pressure around the chest evenly.
- 2 adjustment buckles to adjust the length of the shoulder straps.
- A single adjustment buckle allows the sternal attachment point to be correctly positioned in relation to the user, regardless of their physique.
- A reinforced webbing fall arrest attachment point is ideal in confined spaces allowing progression without hindrance.
- Can easily be fitted with an elastic positioning strap for the chest ascender.
- Large elastic retainers help tidy the chest ascender's webbing.

### USES

Work at height, industry, rescue, route setting

Size	Weight (g)	Waist circumference (cm)
one size	345	60-140



Ref. BHPAT



AIR TOP + SHAOLIN



AIR TOP + HERO SIT



## YPSILON EN 361

Lightweight and adjustable Y-shaped chest harness compatible with HERO SIT and SHAOLIN sit harnesses. Comfortable and easy to fit, it ensures the user remains in an upright position during a fall.

### STRONG POINTS

- Lightweight
- Adjustments are made using a front buckle at shoulder height and a dorsal rear buckle.
- The shoulder strap slides through the sternal D-ring which provides a large range of movement and ensures ease of fitting.
- A slight narrowing of the shoulder straps prevents chafing around the neck.
- Multiple attachment points for the elasticated chest ascender retainer.
- Two reinforced loops per shoulder strap can be used to attach scaffolding hooks.

### USES

Work at height, industry, rescue

Size	Weight (g)	Waist circumference (cm)
one size	370	60-140



Ref. BHPY



YPSILON + SHAOLIN



YPSILON + HERO SIT



## AIR SIT

Stable and comfortable suspended work seat for rope access.

### STRONG POINTS

- Triangulation of the 2 lateral attachment points assists stability.
- Durable and breathable comfort padding.
- 2 plastic lateral gear loops are pre-shaped for ease of clipping.
- 4 mini gear loops are equally available on the sides to attach 'AIR-LEASH' extendable tool holders or 2 'TOOL-BUCKET' tool pouches.
- A ring under the seat can be used to attach a bag.

Weight (g)	Dimensions
1365	50 x 28 x 12

Ref. BSAS



## STYX FAST EN 361



A very light and compact fall arrest harness with 2 connection points : 1 sternal and 1 dorsal. Quick release buckles to the thighs and a foamed back allow a quick sitting. Versatile because it can be combined with a work position belt.

### STRONG POINTS

- Foamed shoulder and back straps for comfort and easy donning.
- Quick release buckles to the leg loops allows quick fitting.
- Possibility of adding a work position belt - EN358: STYXBELT.
- Straps with protection to avoid rubbing at the neck.
- 2 organiser gear loops to the hips.
- 2 connector hook loops to the shoulders.
- Differentiation in color between left and right parts to facilitate the setting up.
- 2 mini organiser gear loops to attach WORKSTATION accessories.



Ref. BHPSTF



Size	Weight (g)	Leg loop (cm)	Chest height (cm)	Torso circumference (cm)	Stature (cm)
U	1255	40-80	55-80	80-140	160-195

## SYNCRO EN 358 / EN 361



Particularly lightweight work positioning and fall arrest harness adapted specifically for industrial and energy related work environments.

### STRONG POINTS

- X shaped shoulder straps increase comfort and ensure excellent load distribution.
- The padded shoulder straps with well-placed retainers minimise neck chafing.
- Two double action opening quick release buckles (one per leg loop) enable the harness to be easily fitted even with cumbersome footwear.
- Both the lateral and dorsal attachment points consist of sewn rope rings to reduce weight, noise and damage to delicate surfaces or coatings, particularly when ascending inside a wind turbine's tower.
- The rear attachment point consists of a sewn rope ring to reduce weight and noise. Its red colour promotes efficient identification in emergencies.
- The sternal webbing strap with fall arrest attachment point can be easily opened and closed to assist harness fitting.
- The rear of the waist belt contains an area to allow personal marking such as your company's name in addition to a QR code which allows a true identifier to be generated (your name and unique ID).
- 2 fixed loops on the shoulder straps allow the attachment of an accessory like a radio or storage of scaffolding hooks.
- 4 large, pre-shaped gear loops are positioned around the waist belt to easily accommodate all equipment.
- 6 mini gear loops can be used to attach 'AIR-LEASH' extendable tool holders or 3 'TOOL-BUCKET', 'LONG TOOL BUCKET' or 'GLASS BUCKET' tool pouches.



Ref.  
S1 : BHPSYN.1  
S2 : BHPSYN.2



Size	Weight (g)	Waist belt (cm)	Leg loop (cm)	Torso circumference (cm)	Stature (cm)	Chest height (cm)
1 (S-M-L)	1700	65-105	45-65	80-120	160-180	55-75
2 (L-XL)	1750	100-130	60-75	90-140	175-210	65-85

# STYX BELT

EN 358

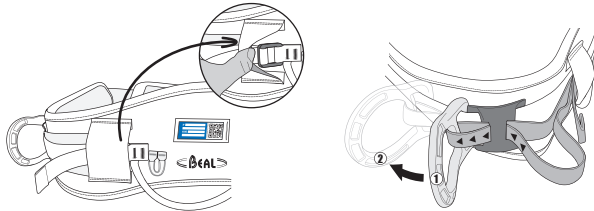


Workstation belt. This adjustable belt makes it possible to adjust positioning rings to all morphologies or all situations by a simple sliding. The quick-release buckle offers a simple opening / closing. The belt is compatible with the STYXFAST harness.

**STRONG POINTS**

- Two adjustable aluminum side rings.
- A wide foamed belt for maximum comfort.
- A quick buckle at the belt.
- A large organiser gear loop.
- Traceability: identification area with QR code to create your own identification.
- 6 mini organiser gear loops to attach WORKSTATION accessories.

Ref. BHPSTB



Size	Weight (g)	Waist belt (cm)
U	780	70-140



HARNES

# STYX RESCUE / STYX RESCUE JACKET

EN 361



Lightweight and compact fall arrest harness with two attachment points: 1 sternal and 1 dorsal.

**STRONG POINTS**

- Different coloured leg loops help distinguish them from the shoulder straps and so accelerate fitting.
- The dorsal section contains an area to allow personal marking such as your company's name in addition to a QR code which allows a true identifier to be generated (your name and unique ID).

**WITH JACKET**

- The dorsal section contains an area to allow personal marking such as your company's name in addition to a QR code which allows a true identifier to be generated (your name and unique ID).

Ref. BHPSTR



Ref. BHPSTRJ



Size	Weight (g)	Leg loop (cm)	Chest height (cm)	Torso circumference (cm)	Stature (cm)
U	1062	40-80	55-80	80-140	160-195

# TRI-ANGEL

EN 1497 : 2007 / EN 1498 : 2006



Evacuation triangle for vertical rescues.

**STRONG POINTS**

- Straightforward positioning using 2 adjustable straps.
- The straps, which are a different colour to the rest of the triangle, assist with both the ease and speed of deployment of the TRI-ANGEL onto the casualty.
- The TRI-ANGEL adjusts in size to match the casualty using a webbing positioning scale with 3 settings.
- Marked with a unique serial number.
- Includes an area to allow personal marking such as your company's name in addition to a QR code which allows a true identifier to be generated (your name and unique ID).

Ref. BHPTA



Weight: 747 g



## SKYFALL EN 397 / EN 50365



Ultra-light helmet in ABS material with internal suspended harness and polystyrene reinforcement for optimal energy absorption in case of impact.

### STRONG POINTS

- Micro adjustable thanks to a precise adjustment dial.
- Adjustable chinstrap with Quick-release buckle.
- 4 Headlamp clips are integrated into the shell.
- Slots for ear protector fixing.
- Internal comfort padding is removable and machine washable.
- Security device release system between 15 and 25 daN in order to avoid strangulation.



Electrical insulation



Open chinstrap between 15 daN and 25 daN



Lateral deformation



Molten metal splash



Temperature low resistance (-40°C)

weight (g)	Circumference mini (cm)	Circumference maxi (cm)
390	54	62



### HIGH VISIBILITY

Ref.  
 BKPS.Y (fluo)  
 BKPS.R  
 BKPS.W  
 BKPS.BK

## SKY VISOR EN 166



Ref. BKPS.V

Eye protection during work with projections.

Compatible with SKYFALL

size	weight	Material	Dimensions
small	60g	polycarbonate	200 mm - 146 mm - 96 mm

	PROTECTION AGAINST MECHANICAL IMPACTS	VENTILATION	ELECTRICAL INSULATION	OPEN CHINSTRAP BETWEEN 15 DAN AND 25 DAN	OPEN CHINSTRAP OVER 50 DAN	MOLTEN METAL SPLASH	LATERAL DEFORMATION	Temperature mini-maxi
	EN 397	EN 12492	EN 50365	EN 397	EN 12492	EN 397	EN 397	
<b>SKYFALL</b> EN 397	✓	-	✓	✓	-	✓	✓	-40°C / +50°C
<b>MERCURY</b> EN 12492	-	✓	-	-	✓	-	-	-20°C / +35°C
<b>MERCURY Group</b> EN 12492	-	✓	-	-	✓	-	-	-20°C / +35°C

## MERCURY EN 12492



Hybrid helmet featuring an ABS shell with a polystyrene liner.

### POINTS FORTS

- Micro-adjustable thanks to a precise adjustment dial.
- Large volume of the hull for optimum comfort and protection.
- Very good ventilation. 4 hooks to attach a headlamp are integrated into the helmet.
- Lateral perforations for fixation of hearing protection.
- Resistance of the chinstrap to 50 daN to avoid the loss of the helmet in case of shock.
- A magnetic closure of the chinstrap buckle for easy positioning and release even with gloves and one hand.
- Removable and machine washable internal comfort foams.



weight (g)	Circumference mini (cm)	Circumference maxi (cm)
432	50	62

Ref.  
■ BKM.R  
■ BKM.O  
■ BKM.W  
■ BKM.BK



## MERCURY GROUP EN 12492



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.

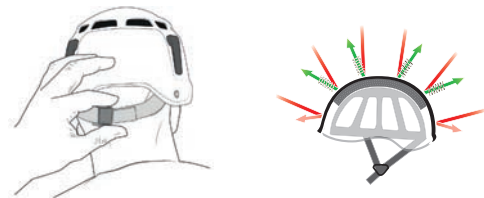
### POINTS FORTS

- Robustness
- Easy to wash inner liner
- Customization on demand



Ref.  
■ BKM.G.B  
■ BKM.G.R  
■ BKM.G.O  
■ BKM.G.W  
■ BKM.G.BK

weight (g)	Circumference mini (cm)	Circumference maxi (cm)
380	54	61



## PELTOR ADAPT

- Ear defender adaptors for MERCURY helmet
- > Ear defender adaptor with bayonet system
  - > Compatible with MERCURY helmets



Ref. BKPAM

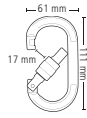


## O'LIGHT EN 362:2004 / B - EN 12275:2013

Symmetrical aluminium oval shaped connector for use with equipment with swivelling side plates such as pulleys, rope clamps, mobile fall arrest devices, etc...

### STRONG POINTS

- Screw lock system.
- Individual serial number.
- Keylock system.



Major Axis Strength	Minor Axis Strength
22 kN	8 kN
Open Gate Strength	Weight
6 kN	74 g

Ref. BMCLOL



## O'LIGHT 3-MATIC EN 362:2004 / B - EN 12275:2013

Symmetrical aluminium oval shaped connector for use with equipment with swivelling side plates such as pulleys, rope clamps, mobile fall arrest devices, etc...

### STRONG POINTS

- Triple action 3-MATIC locking system.
- Individual serial number.
- Keylock system.



Major Axis Strength	Minor Axis Strength
22 kN	8 kN
Open Gate Strength	Weight
8 kN	82 g

Ref. BMCLOL3



## BE LINK EN 362:2004 / B - EN 12275:2013

Asymmetrical aluminium connector for lanyards or for use with belay devices. The asymmetrical shape helps to guide the device towards the connector's apex.

### STRONG POINTS

- Screw lock system.
- Individual serial number.
- Keylock system.



Major Axis Strength	Minor Axis Strength
26 kN	8 kN
Open Gate Strength	Weight
7 kN	65 g

Ref. BMCLBLN



## BE LINK 3-MATIC EN 362:2004 / B - EN 12275:2013

Asymmetrical aluminium connector for lanyards or for use with belay devices. The asymmetrical shape helps to guide the device towards the connector's apex.

### STRONG POINTS

- Triple action 3-MATIC locking system.
- Individual serial number.
- Keylock system.



Major Axis Strength	Minor Axis Strength
26 kN	8 kN
Open Gate Strength	Weight
7 kN	65 g

Ref. BMCLBLN3



## BE LOCK EN 362:2004 / B - EN 12275:2013

Symmetrical aluminium screw gate connector with large capacity and opening to accommodate multiple items. Its generous loading surface and HMS shape facilitate its use with Clove and Italian hitches.

### STRONG POINTS

- Screw lock system.
- Individual serial number.
- Keylock system.



Major Axis Strength	Minor Axis Strength
26 kN	8 kN
Open Gate Strength	Weight
8 kN	86 g

Ref. Blue BMCLBL Ref. Black BMCLBL.BK



## BE LOCK 3-MATIC EN 362:2004 / B - EN 12275:2013

Symmetrical aluminium screw gate connector with large capacity and opening to accommodate multiple items. Its generous loading surface and HMS shape facilitate its use with Clove and Italian hitches.

### STRONG POINTS

- Triple action 3-MATIC locking system.
- Individual serial number.
- Keylock system.



Major Axis Strength	Minor Axis Strength
26 kN	8 kN
Open Gate Strength	Weight
8 kN	100 g

Ref. BMCLBL3

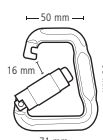


## FLAT LINK EN 362:2004/B

Symmetrical, trapezoidal shaped aluminium karabiner designed to connect the top and bottom parts of a full body harness. Its flat working surface ensures the webbing is properly seated. The FLAT LINK was designed to be compatible with the HOLD UP chest ascender.

### STRONG POINTS

- Double action locking gate.
- Individual serial number.
- Keylock nose.



Major Axis Strength	Minor Axis Strength
20 kN	10 kN
Open Gate Strength	Weight
5 kN	81 g

Ref. BMCLFL



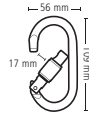
# LOCKING CONNECTOR

## O'SMITH EN 362:2004 /B,A,T - EN 12275:2013®

Symmetrical oval shaped steel connector.

### STRONG POINTS

- Screw lock system.
- Individual serial number.
- Keylock system.



Major Axis Strength	Minor Axis Strength
30 kN	16 kN
Open Gate Strength	Weight
8 kN	179 g

Ref. BMCLOS



## O'SMITH 3-MATIC EN 362:2004 /B,A,T - EN 12275:2013®

Symmetrical oval shaped steel connector.

### STRONG POINTS

- Triple action 3-MATIC locking system.
- Individual serial number.
- Keylock system.



Major Axis Strength	Minor Axis Strength
30 kN	16 kN
Open Gate Strength	Weight
8 kN	198 g

Ref. BMCLOS3

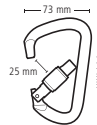


## AIR-SMITH EN 362:2004B, A, T / EN 12275®

High capacity asymmetrical steel connector with large opening to assist with connections to metal anchors. Its capacity allows it to accommodate multiple items.

### STRONG POINTS

- Screw lock system.
- Individual serial number.
- Keylock system.



Major Axis Strength	Minor Axis Strength
52 kN	16 kN
Open Gate Strength	Weight
18 kN	251 g

Ref. BMCLAS



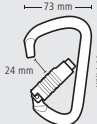
METAL

## AIR-SMITH 3-MATIC EN 362:2004/B, A, T / EN 12275®

High capacity asymmetrical steel connector with large opening to assist with connections to metal anchors. Its capacity allows it to accommodate multiple items.

### STRONG POINTS

- Triple action 3-MATIC locking system.
- Individual serial number.
- Keylock system.



Major Axis Strength	Minor Axis Strength
52 kN	16 kN
Open Gate Strength	Weight
18 kN	251 g

Ref. BMCLAS3



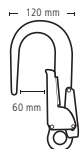
# CONNECTOR

## AIR-HOOK LARGE EN 362:2004/A

Auto-locking aluminium connector with large opening. Ideal for connections to cables, bars and beams.

### STRONG POINTS

- Ergonomic lock- unlocking trigger.
- Individual serial number.



Major Axis Strength	CE
22 kN	
Weight	
475 g	

Ref. BMC60

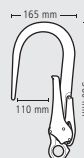


## AIR-HOOK XL EN 362:2004/A-T

Auto-locking aluminium connector with very large opening. Ideal for connections to cables, bars and beams.

### STRONG POINTS

- Ergonomic lock- unlocking trigger.
- Individual serial number.

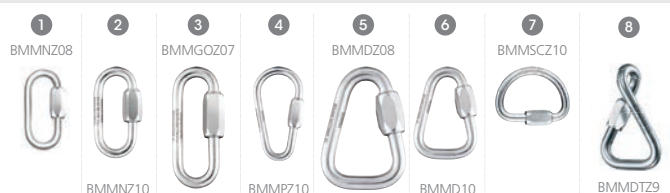


Major Axis Strength	CE
25 kN	
Weight	
920 g	

Ref. BMC110



Name	Working load limit	Breaking load (Kg)	Weight	length	width	opening
1 STANDARD GALVA 8 mm	700	3500	77 g	73 mm	34 mm	11,4 mm
2 STANDARD GALVA 10 mm	1100	5500	137 g	88 mm	41,5 mm	12 mm
3 LONG OPENING GALVA 7 mm	500	2500	60 g	78,5 mm	31 mm	16 mm
4 PEAR GALVA 10 mm	720	3600	185 g	118 mm	65 mm	20 mm
5 DELTA GALVA 8 mm	550	2750	88 g	73 mm	56 mm	11 mm
6 DELTA GALVA 10 mm	990	4500	153 g	87 mm	66 mm	12 mm
7 MAILLON SEMI CIRCULAR 10 mm	990	4500	153 g	86 mm	65 mm	10 mm
8 MAILLON DELTA TWIST	600	3000	135 g	93 mm	62 mm	12 mm



# LOCKING CONNECTOR TWIN GATE

Twin Gate is a revolutionary concept for locking a karabiner, patented by Grivel/Simond. It is incredibly simple and can be worked using just one hand. Unintentional opening is nearly impossible. In addition, the locking mechanism cannot become jammed.

## 2 versions are available:

- A solid and wire gate combination which open in opposite directions.
- Two solid gates which open in opposite directions.

## TWIN AUTO BELAY EN 362:2004 /B - EN 12275:2013®

Compact asymmetrical locking karabiner for use with a lanyard or belay device. Features the Twin-Gate concept with a second wire gate.

### STRONG POINTS

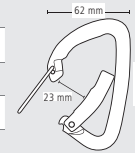
- TWIN GATE Concept
- High strength
- KEYLOCK nose system
- Excellent balance between strength and weight

### USE

Ideal for use with a belay device or lanyard which are guided towards their correct position at the karabiner's apex.



Major Axis Strength	Minor Axis Strength
30 kN	11 kN
Open Gate Strength	Weight
9 kN	57 g



Ref. BMCTAB

## TWIN BELAY D EN 362:2004 /B - EN 12275:2013®

Versatile mid-sized, asymmetrical HMS karabiner for use with single, half or twin ropes. Features the Twin-Gate concept with second wire gate.

### STRONG POINTS

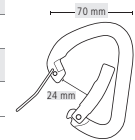
- TWIN GATE Concept
- High strength
- KEYLOCK nose system

### USE

Belaying and abseiling



Major Axis Strength	Minor Axis Strength
30 kN	11 kN
Open Gate Strength	Weight
9 kN	69 g



Ref. BMCTBD

## TWIN BELAY PEAR EN 362:2004 /B - EN 12275:2013®

Versatile mid-sized, symmetrical HMS karabiner for use with single, half or twin ropes. Features the Twin-Gate concept with two gates that open in opposite directions.

### STRONG POINTS

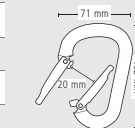
- TWIN GATE Concept
- High strength
- KEYLOCK nose system

### USE

Belaying and abseiling



Major Axis Strength	Minor Axis Strength
29 kN	10 kN
Open Gate Strength	Weight
10 kN	83 g



Ref. BMCTBP

## TWIN O EN 362:2004 /B - EN 12275:2013®

An oval automatic locking karabiner designed for use with equipment with swivelling side plates such as pulleys and descenders. The TWIN O is equipped with the TWIN-GATE concept and its two opposing gates. The absence of a traditional locking barrel reduces the potential of the karabiner becoming incorrectly positioned.

### STRONG POINTS

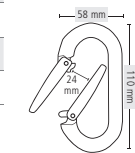
- TWIN GATE Concept
- High strength
- KEYLOCK nose system

### USE

Pulleys and pulley systems



Major Axis Strength	Minor Axis Strength
24 kN	9 kN
Open Gate Strength	Weight
8 kN	86 g



Ref. BMTCO

## TWIN GUIDE EN 362:2004 /B - EN 12275:2013®

A unidirectional automatic locking karabiner. An internal wire gate prevents the karabiner from becoming inverted and means the load remains well positioned along the long axis, for example at the end of a lanyard. The TWIN GUIDE is equipped with the TWIN-GATE concept and its two opposing gates. The absence of a traditional locking barrel reduces the potential of the karabiner becoming incorrectly positioned.

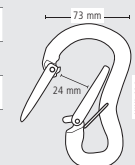
### STRONG POINTS

- TWIN GATE Concept
- High strength

- KEYLOCK nose system



Major Axis Strength	Minor Axis Strength
22 kN	9 kN
Open Gate Strength	Weight
8 kN	89 g



Ref. BMTGC

## TWIN SMITH CAPTIVE EN 362:2004 /B - EN 12275:2013®

A large capacity and high strength (45kN) asymmetrical steel locking karabiner. The TWIN SMITH CAPTIVE features the TWIN-GATE concept with a second wire gate that opens in the opposite direction.

### STRONG POINTS

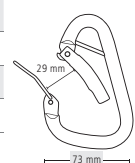
- TWIN GATE Concept
- High strength
- KEYLOCK nose system

### USE

Particularly suited to clipping into anchors and fixed lines, or for arborist work restraint. Its removable captive bar holds the TWIN SMITH CAPTIVE in place on equipment it is clipped into.



Major Axis Strength	Minor Axis Strength
45 kN	18 kN
Open Gate Strength	Weight
17 kN	228 g



Ref. BMTSC



## TRANSF' AIR 1 EN 12278

Large single pulley with swivelling side plate. Stainless steel axle and washer. The sheave is mounted onto a bronze collar to promote a good level of efficiency. Maximum  $\varnothing \leq 16$  mm. EN12278: 1998.

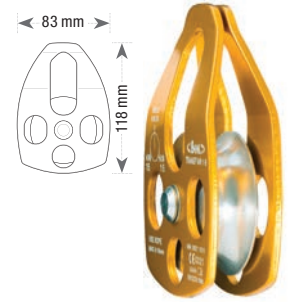
### STRONG POINTS

- Unique number.
- High maximum working load.



Compatible diameter	Maximum load	Weight
max 16 mm	MBS 30 kN	270 g

Ref. BMP1



## TRANSF' AIR 1B EN 12278



Highly efficient single pulley with swivelling side plate and ball bearing mounted sheave. Its swivelling action allows the pulley to be positioned anywhere along the rope, whilst the ball bearings ensure maximum efficiency and durability. Ideal for intensive use with large rope diameters. Stainless steel axle and washers.

### STRONG POINTS

- Ball bearings.
- Individual serial number.
- Swivelling side plate.

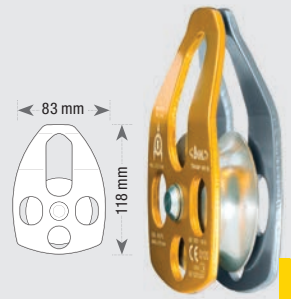
### USE

Intensive use in load transfers or pulley systems.



Compatible diameter	Maximum load	Weight
max 16 mm	MBS 30 kN	280 g

Ref. BMP1B



## TRANSF' AIR 2 EN 12278

Large double pulley with swivelling side plate well suited for use in pulley systems. Stainless steel axle and washer. The sheave is mounted onto a bronze collar to promote a good level of efficiency. Maximum  $\varnothing \leq 16$  mm. EN12278: 1998.

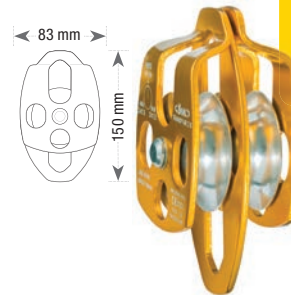
### STRONG POINTS

- Unique number.
- Swivelling side plate.



Compatible diameter	Maximum load	Weight
max 16 mm	MBS 30 kN	476 g

Ref. BMP2



## TRANSF' AIR 2B EN 12278



Highly efficient double pulley with swivelling side plates thanks to a ball bearing mounted sheave. Its swivelling action allows the pulley to be positioned anywhere along the rope, whilst the ball bearings ensure maximum efficiency and durability. Ideal for intensive use with large ropes diameters. Stainless steel axle and washers.

### STRONG POINTS

- Ball bearings
- Individual serial number
- Swivelling side plate

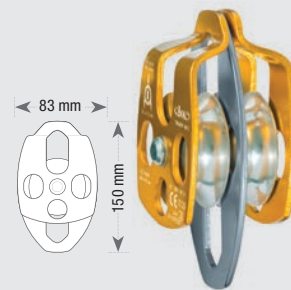
### USE

Intensive use in load transfers or pulley systems



Compatible diameter	Maximum load	Weight
max 16 mm	MBS 30 kN	500 g

Ref. BMP2B



## TRANSF' AIR FIXE EN 12278

Compact and lightweight pulley with fixed side plates. Stainless steel axle and washer. The sheave is mounted onto a bronze collar to promote a good level of efficiency. Maximum  $\varnothing \leq 12$  mm. EN12278: 2007.

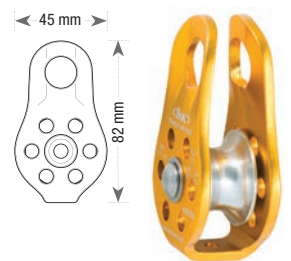
### STRONG POINTS

- Unique number.
- Lightweight.



Compatible diameter	Maximum load	Weight
max 12 mm	MBS 20 kN	90 g

Ref. BMPF



## TRANSF' AIR FIXE B EN 12278



Pulley with fixed side plates and ball bearings for optimal efficiency. Its compact and lightweight nature make it easy to handle. Allows a pulley system to be set up by adding a component such as an ascender. Maximum  $\varnothing$  max  $\leq 13$  mm. EN12278: 1998.

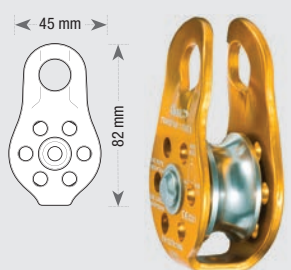
### STRONG POINTS

- Unique number.
- Ball bearings.



Compatible diameter	Maximum load	Weight
max 13 mm	MBS 22 kN	120 g

Ref. BMPFB



## TRANSF' AIR TWIN B EN 12278



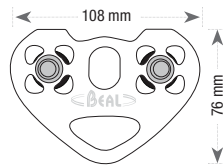
A double pulley with two inline stainless steel sheaves mounted on ball bearings. The TRANSF' AIR Twin B is specifically designed for intensive use on rope or wire zip lines.

### STRONG POINTS

- Two stainless steel in-line sheaves increase stability.
- Ball bearings ensure consistent efficiency regardless of the user's weight.
- Can accommodate up to 3 karabiners.
- Individual serial number.

### USE

Rope or wire zip lines



Compatible diameter	Maximum load	Weight
max 13 mm	MBS 30 kN	282 g

Ref. BMPTB

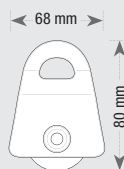


## TRANSF' AIR MINI EN 12278

Compact and lightweight pulley with swivelling side plate. Stainless steel axle and washer. The sheave is mounted onto a bronze collar to promote a good level of efficiency. Maximum  $\varnothing \leq 11$  mm. EN12278: 1998.

### STRONG POINTS

- Unique number.
- Swivelling side plate.



Compatible diameter	Maximum load	Weight
max 11 mm	MBS 20 kN	120 g

Ref. BMPMINI



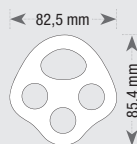
# RIGGING PLATE AND SWIVEL

## AIR-PORT 4

Aluminium rigging plate which can accommodate 4 connectors.

### STRONG POINTS

- 20 mm holes allow connectors with locking barrels to be inverted easily.
- Individual serial number.



Compatible diameter	Maximum load	Weight
MBS 45 kN WLL 9 kN	23,5 mm 20 mm	92 g

Ref. BMAP4



## AIR-PORT 8

Aluminium rigging plate which can accommodate 8 connectors.

### STRONG POINTS

- 20 mm holes allow connectors with locking barrels to be inverted easily.
- Individual serial number.



Compatible diameter	Maximum load	Weight
MBS 45 kN WLL 9 kN	23,5 mm 20 mm	188 g

Ref. BMAP8



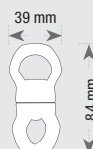
## TWIST' AIR B EN 354



Compact aluminium swivel with ball bearings to optimise performance even when loaded.

### STRONG POINTS

- Individual serial number.
- Ball Bearings.



Compatible diameter	Maximum load	Weight
MBS 22 kN WLL 4 kN	18 mm	88 g

Ref. BMSW

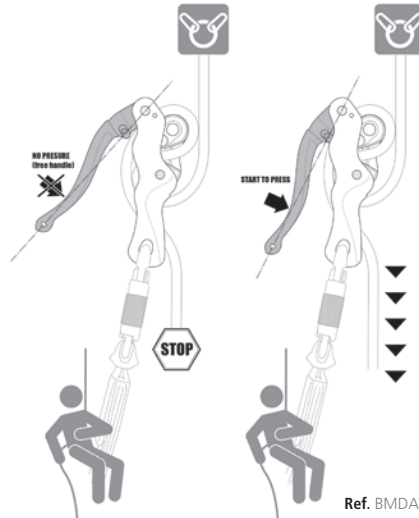


## AIR STOP EN 341 / EN 12841

Auto-block descender with anti panic function for a single rope.

### STRONG POINTS

- Maximum working load of 130 kg with 9 mm rope, and up to 200 kg with ropes from 10 to 12 mm.
- Anti-panic function with 2 blocking positions.
- The maximum authorised speed of descent is 2 m/s.
- Useable on a wide spread of rope diametres from 9 to 12 mm (EN12841-C).
- Long control lever for a more progressive feel.
- Rope can be inserted into device without unclipping it.
- Unique serial number.

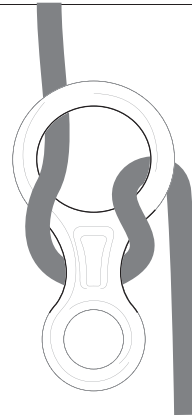


Ref. BMDAS



## AIR FORCE 8

Classic, robust and easy to use belay device.  
It is compatible with a large range of rope diameters whether single, double or twin.  
The friction can easily be varied whatever the condition of the ropes (frozen, wet, different diameters...).



Ref. BMDAF8



METAL



## MONITOR EN 353-2 / EN 12841-A 100kg

Aluminium mobile fall arrest device with swivelling side plate.

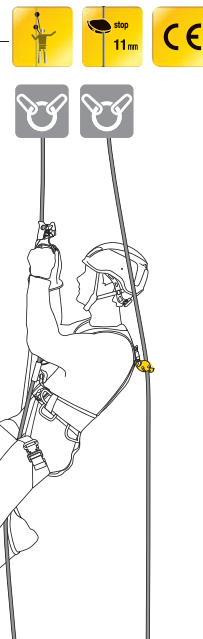
### STRONG POINTS

- Mobile fall arrest device with camming action. Cam function reduces abrasion to the rope when activated.
- Meets the requirements of the following standards: EN 353-2, EN 12841-A 100 Kg diameter 11-13 mm (EN1891).
- Rescue : maximum 200 kg, ø11-13 mm.
- Swivelling side plate allows for ease of installation on the rope.
- A lateral brake converts the MONITOR into a rope clamp for work positioning.
- Easily locks as a result of a fall.
- Easily follows the operator both during ascent and descent.
- Marked with a unique serial number.
- The MONITOR can be complimented with a MOBILE-LANYARD and its 2 attachment points.

Weight: 170g



Ref. BMFAM



## MOBILE-LANYARD EN 354

Lanyard with 2 attachment points. The MOBILE-LANYARD is certified to work with the MONITOR mobile fall arrest device, enabling it to be positioned away from the operator.

Allows the operator to create a short or longer link dependant 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

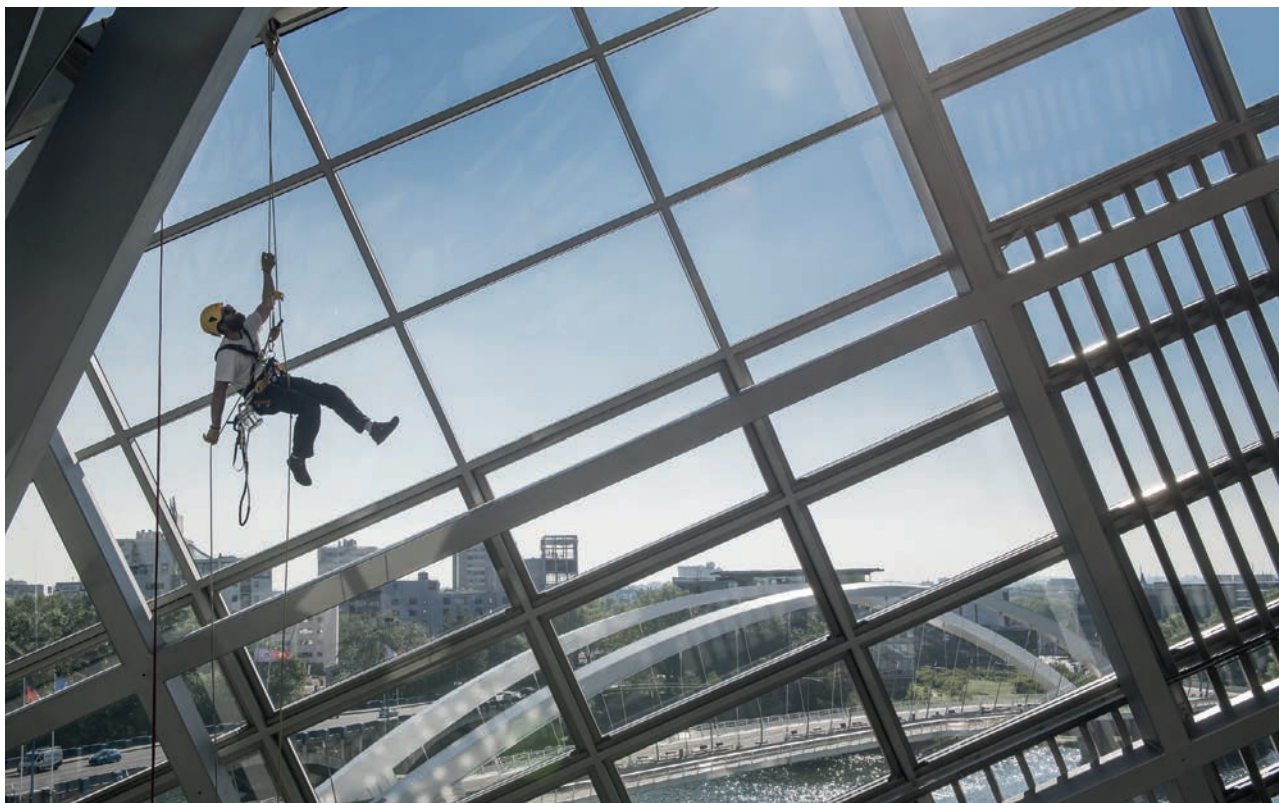
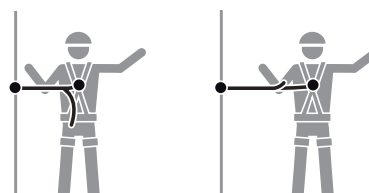
- Includes two PINCH's to ensure the correct orientation of the connector at its extremity.
- Marked with a unique serial number.

Strength: 2200 daN (kg)

Weight: 64g



Ref. BFAL



## AIR-KIT 11 MM EN 353-2 et EN 12841-A 100 Kg



CE EN 567 : 2013, diameter 8-13mm  
CE EN 12841: 2006-B, diameter 10-13mm 100kg

Specific kit to create a mobile fall arrest system (EN 353-2 and EN12841-A 100 Kg) especially adapted to vertical work or work on inclined surfaces.

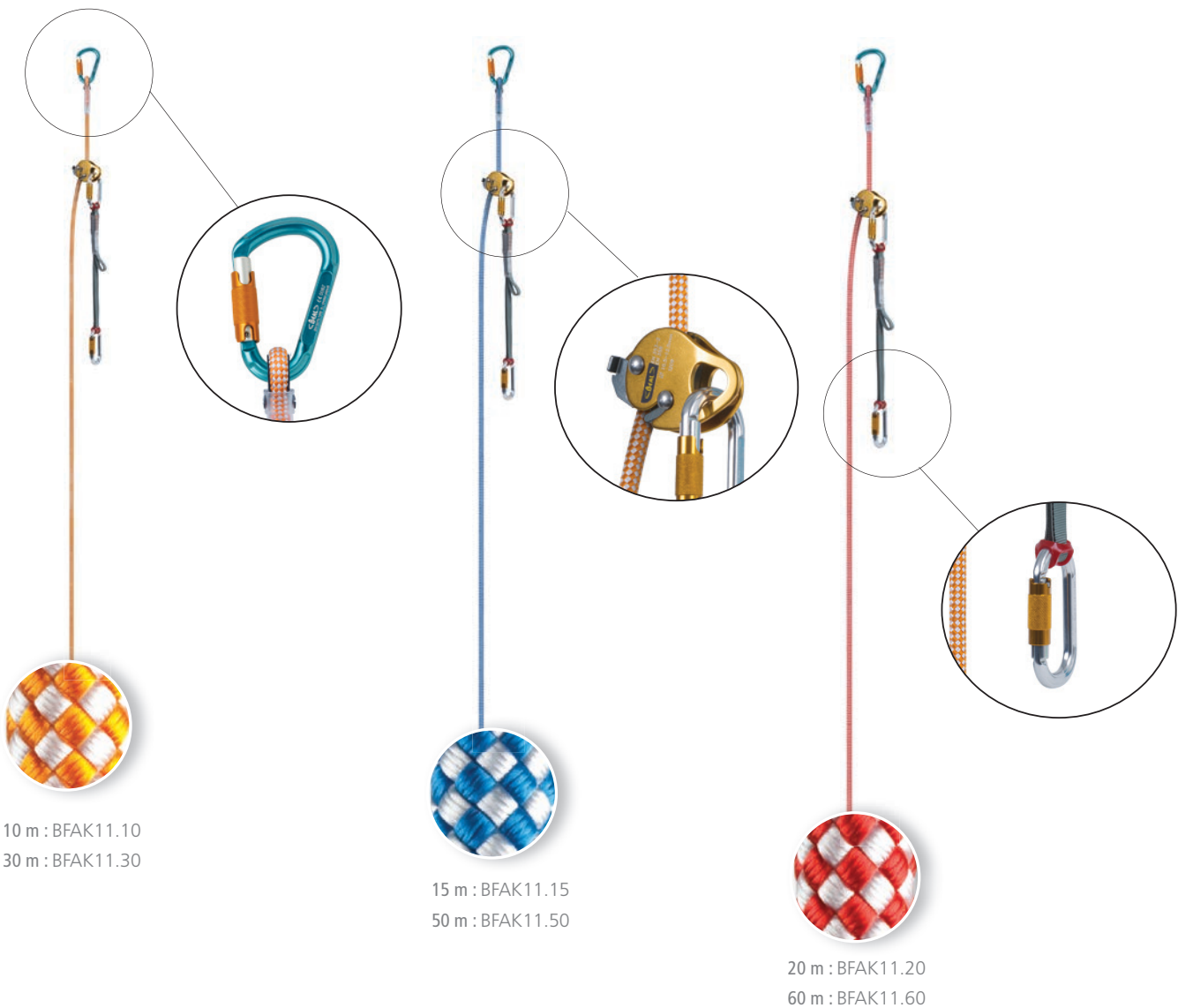
### KIT INCLUDES

- A MONITOR mobile fall arrest device.
- A MOBILE-LANYARD with 2 positions: 20 cm and 40 cm.
- 2 O'LIGHT 3-MATIC connectors to attach the lanyard to both the MONITOR and the harness.
- Connectors: two O'LIGHT 3-MATIC and one BE LOCK 3-MATIC.
- A length of rope 10 m / 15 m / 20 m / 30 m / 50 m / 60 m with a
- 11 mm diameter with sewn termination protected by a reinforced eye.
- 1 BE-LOCK 3-MATIC connector to attach the rope to the anchor point.

### STRONG POINTS

- Removable cover allows the inspection of termination stitches
- Products marked with a unique serial number and equipped with a label to accommodate personal markings as well as a QR code to assist traceability.
- Each length is represented by a colour for quick and efficient identification of both its length and diameter:
  - 10 m and 30 m - Orange.
  - 15 m and 50 m - Blue.
  - 20 m and 60 m - Red.

Weight: 498g



METAL

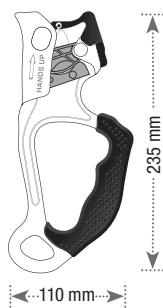
## HANDS UP EN 567 : 2013, Ø8-13 mm - EN 12841: 2006-B, Ø10-13 mm 100 kg



Handled ascender with ergonomic design to aid rope ascents with one or two hands.

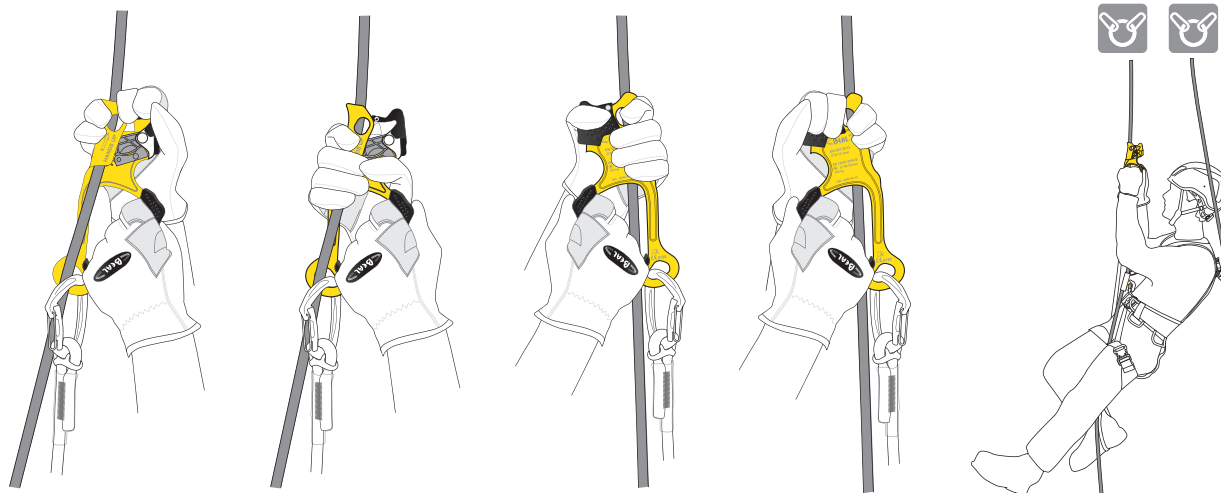
### STRONG POINTS

- Can be used to complement the HOLD UP chest ascender or any other ascender for rope ascents
- Large lower attachment hole easily accommodates the connector for the AIR STEP foot loop.
- The ascender's shape allows it to be held with two hands when ascending rope: one on the side beneath the trigger and one above it.
- The handle is reinforced to improve ergonomics and comfort.
- Large lower attachment hole can accommodate multiple karabiners and maillons.
- All-metal construction of the operating mechanism to increase durability
- An ergonomic protruding lever facilitates cam operation.



Weight: 265g

### Positioning of hands



## AIR-STEP

Adjustable footloop with quick adjusting system around the foot for ascending fixed ropes with an ascender.

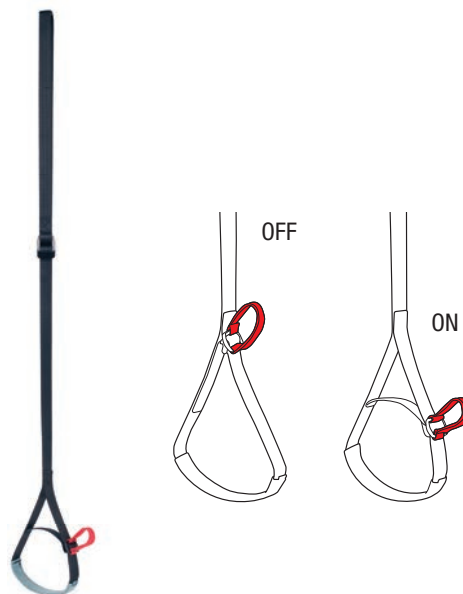
### STRONG POINTS

- Quick adjusting system with ON / OFF function. In the ON position, the user's foot stays locked in the footloop. In the OFF position, the adjustment system does not engage, meaning the user's foot is not locked.
- A large buckle facilitates adjustments of the footloop, even when wearing gloves.
- A stiffener in the loop helps to place a foot inside it.
- Reinforced with webbing to help protect against abrasion.

### USE

- Gone back up on rope

Weight: 75 g



Ref. BSTEP

## HOLD UP EN 567 : 2013 Ø8-13mm - EN 12841 : 2006-B Ø10-13mm 100kg

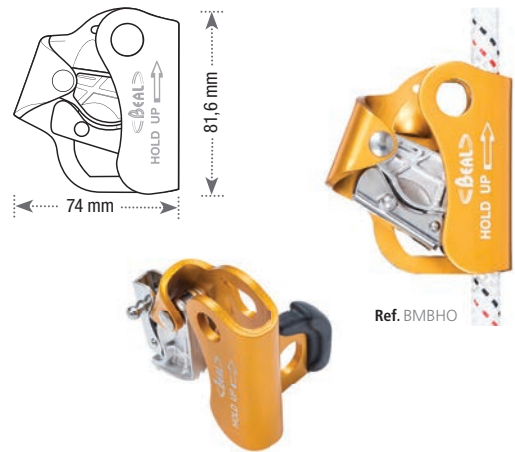


A compact ventral ascender for ascending ropes

### STRONG POINTS

- The attachment hole protrudes from the ascender's body at a 90 degree angle. This ensures the device remains both upright and parallel to the user's body and allows the rope to easily slide through the device.
- Positioned low on the harness to maximise progression with every move.
- All-metal construction of the operating mechanism to increase durability.
- An ergonomic protruding lever facilitates cam operation.
- Compatible with all PRO harnesses through the use of a FLAT LINK connector, which connects the harness to the ascender.

Weight: 90 g



## TRACT UP EN 567 : 2013 Ø8-13mm



Compact emergency rope clamps

### STRONG POINTS

- Allows the recovery and the lifting of light loads
- Blocker of useful repair during laborers(operations) of mouflage and help
- In help: back up line glide in 250 kg

Compatibility = 8 in 11mm

Charge with maximal use in mode blocker: 2,5kN  
 Breaking load in mode blocker: 4kN  
 Materials: aluminum, stainless steel and silicone.

### LIFE EXPECTANCY

Duration of storage = 5 years  
 Operating life = 10 years

IT IN 567 + UIAA 126

Weight: 80 g



METAL



## PRO WORK 35 CONTRACT

35 litre transport bag – simple and effective.

**STRONG POINTS**

- HF welding.
- Reinforced base.
- Metal adjustment buckles.
- Identification window.
- Side transport handle.

Capacity	Weight	Height	Width
35 L	735 g	70 cm	30 cm

Ref. BSAC.PW35C



Identification window

## PRO WORK 35

35 litre ergonomic transport bag including a waterproof external pocket.

**STRONG POINTS**

- HF welding.
- Reinforced base.
- Ergonomic padded back.
- Comfortable carrying straps.
- Metal adjustment buckles.
- Identification window.
- Waterproof external pocket.
- Side carrying handle

Capacity	Weight	Height	Width
35 L	1080 g	70 cm	30 cm

Ref. BSAC.PW35



Personalisation window

## PRO WORK 45

Large 45 litre capacity transport bag specially adapted to heavy load carrying. A comfortable belt complements the ergonomic shoulder straps and a padded back. Waterproof exterior pocket and large under-lid pocket to cater for smaller personal items as well as lifetime record sheets. A transparent window aids in identification.

**STRONG POINTS**

- HF welding.
- Reinforced base.
- Comfortable belt and straps.
- Ergonomic back padding.
- Metal adjustment buckles.
- Identification window.
- Waterproof exterior pocket.
- Side carrying handle.

Capacity	Weight	Height	Width
45 L	1525 g	60 cm	30 cm

Ref. BSAC.PW45



Personalisation window

## PRO WORK 60

Very large 60 litre capacity transport bag with wide, stiff opening well adapted to rescue and large volume carrying requirements. A large waterproof transparent window allows you to see the sac contents. 2 very strong carrying handles help with handling heavy loads.

**STRONG POINTS**

- Large rigid opening.
- High Frequency welding.
- Comfortable shoulder straps and belt.
- Ergonomic padded back.
- Metal adjustment buckles.

Capacity	Weight	Height	Width
60 L	1825 g	75 cm	35 cm

Ref. BSAC.PW60





## COMBI PRO 40

Bag for professionals who require quick and easy access to their kit.

Ref.w BSAC.CP40

### STRONG POINTS

- Benefits from BEAL's 'QUICK RELEASE' system to accelerate access to the bag's contents via two back panel sections.
- Once opened, the bag can be folded out to reveal its neatly organised contents.
- Multiple internal dividers and gear loops improve the kit's layout.
- A clear, external panel can be personalised to promote identification or used to list the bag's contents.
- Ergonomic shoulder straps and waist belt.
- Sternum strap with emergency whistle.
- Hauling loop at the top of the bag.
- 1 lateral carry handle.
- Reflective and fluorescent patches.
- PVC 1100 g/m<sup>2</sup>.

Capacity	Weight	Height	Width
38 L	1960 g	60 cm	21 cm

Usage example  
(bag sold without contents)



Ref. BSAC.CP40.BK

## COMBI PRO 80

Bag for professionals who require a large volume, yet maintaining quick and easy access to their kit.

Ref. BSAC.CP80

### STRONG POINTS

- Benefits from BEAL's 'QUICK RELEASE' system to accelerate access to the bag's contents via two back panel sections.
- Once opened, the bag can be folded out to reveal its neatly organised contents.
- Multiple internal dividers and gear loops improve the kit's layout.
- The COMBI PRO 80's integrated rope bag contains a large ground sheet for immediate use of the rope without it twisting.
- A red buckle identifies the bottom end of the rope, whilst a green buckle identifies the top end.
- Lateral carry handle.
- Generously sized ground sheet 60 cm x 80 cm.
- Bag stores up to 60 m of rope.
- A clear, external panel can be personalised to promote identification or used to list the bag's contents.
- Ergonomic shoulder straps and waist belt.
- Sternum strap with emergency whistle.
- Hauling loop at the top of the bag.
- 1 lateral carry handle.
- Reflective and fluorescent patches.
- PVC 1100 g/m<sup>2</sup>.

Capacity	Weight	Height	Width
45 L	2500 g	60 cm	26 cm

Usage example  
(bag sold without contents)



Ref. BSAC.CP80.BK

## PRO RESCUE 40

Rescue bag ideal for rapid access operations.  
Capable of taking 30 metres 12,5 mm of rope and basic hardware.

### STRONG POINTS

- Lid with transparent internal pocket to list contents.
- A clear, external panel can be personalised to promote identification.
- Adjustable shoulder straps.
- W ebbing loop under the bag to be able to guide it from the bottom via a 'tag line'.
- 1 removable, internal daisy chain gear loop.
- 1 lateral carry handle.
- Robust 650 g/m<sup>2</sup> PVC material.

Capacity	Weight	Height	Width
40 L	900 g	60 cm	30 cm

Ref. BSAC.PR40



## PRO RESCUE 60

Rescue bag ideal for rapid access operations.  
Capable of taking 60 metres 12,5 mm of rope and basic hardware.

### STRONG POINTS

- Lid with transparent internal pocket to list contents.
- A clear, external panel can be personalised to promote identification.
- Adjustable shoulder straps.
- W ebbing loop under the bag to be able to guide it from the bottom via a 'Tag line'.
- 1 removable, internal daisy chain gear loop.
- 1 lateral carry handle.
- Robust 650 g/m<sup>2</sup> PVC material.

Capacity	Weight	Height	Width
60 L	1000 g	60 cm	35 cm

Ref. BSAC.PR60



## RESCUE KIT

Allows the evacuation of a person by the outside of a building or from a pit or a ditch, up to a height limit of 30 m. Equally useful in interventions at height or on horizontal progressions to protect against falls.

### PRO RESCUE 40



### COMBI PRO 40



Allows the same uses as the RESCUE KIT but with a carrying limit of 60 m.

### PRO RESCUE 60



### COMBI PRO 80



PACKS



# WORK STATION

Products within the WORK STATION range provide a complete solution for attaching and organising a work station. Different products from the range can be combined in a modular way to suit the work environment and users' needs: builders, rope access technicians, craftsmen...

**KEY FEATURES**

- Improves posture, reducing the potential for physical injury
- Improves efficiency by reducing unnecessary movement
- Enhances safety by reducing the possibility of dropping work tools
- Reduces costs by a reduction in loss of work tools

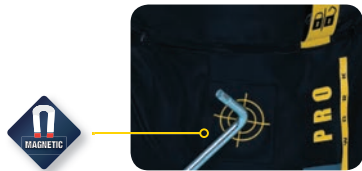
## GENIUS SIMPLE AND GENIUS TRIPLE

Bags for carrying small tools and fastenings. The clic clac express closure stops the pocket contents getting lost. A magnetic plate allows temporary storage on the outside of the pocket. Available as a single pocket and an assembly of 3 with external tool carriers.

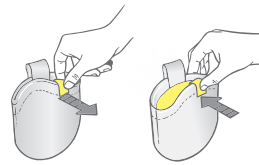
**STRONG POINTS**

- Express closure.
- Easy to attach to the harness.
- Rigid opening.
- Magnetic plate.

Type	Capacity	Weight	Height	Width	Max. load
Simple	1,5 L	180 g	25 cm	15 cm	50 kg
Triple	4,5 L	560 g	75 cm	45 cm	150 kg



**Clic clac system**



magnetic plate



**GENIUS SIMPLE**

Ref. BSAC.G



magnetic plate



**GENIUS TRIPLE**

Ref. BSAC.GT

## GENIUS BUCKET

A 20 litre bucket for carrying tools as well as small screws and fittings thanks to the 3 GENIUS CLIC CLAC pockets attached to the inside. The large opening with stiffener allows easy access to its contents.

**STRONG POINTS**

- Easy, convenient access to tools.
- CLIC CLAC pocket closure system.
- Rigid carrying handle, with a minimum breaking load of 100kg
- Waterproof pocket.
- Reinforced base.

Capacity	Weight	Height	Width	Max. load
20 L	1085 g	40 cm	40 cm	50 kg



Genius Triple inside

Ref. BSAC.GB

## GENIUS TOOL BUCKET

A rigid 20 litre bucket for power tools such as a hammer drill, electric screwdriver or angle grinder; constructed with a clever 'twist and fold' function to reduce size for storage. Small gear loops on the outside and inside edges of the bag can be used to attach small CLIC CLAC pockets (TOOL BUCKET, GLASS BUCKET, LONG TOOL BUCKET) to organise your work station as you wish.

**STRONG POINTS**

- Easy, convenient access to tools
- Additional BUCKETS can be added
- Rigid carrying handle with a minimum breaking load of 100kg
- 'twist and fold' function to reduce size for storage
- Comfortable and adjustable shoulder strap helps to carry the bucket
- Waterproof pocket
- Reinforced base

Capacity	Weight	Height	Width	Max. load
20 L	830 g	40 cm	40 cm	50 kg



Ref. BSAC.GTB

Example with Tool Bucket

## BUCKET HAT

A removable lid for the GENIUS BUCKET PLUS. Designed to protect items inside the GENIUS BUCKET PLUS from bad weather, dust etc. and to restrain the contents during transit and whilst hauling.

Fitted using clips.

Ref. BSAC.BH



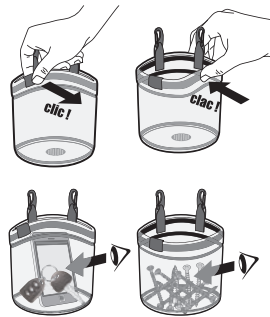
## GLASS BUCKET

A small transparent bucket for organising bolts, screws and other small items whilst leaving contents easily visible. The CLIC CLAC system can be used to quickly close the bag and prevents loss of contents during transport. 2 external mini karabiners are fitted to connect the GLASS BUCKET to the GENIUS BUCKET, HERO PRO, SYNCRO and STYX harness or to the AIR-SIT work seat.

Capacity	Weight	Height	Width
1,8 L	115 g	14 cm	16 cm



Clc clac system



Ref. BSAC.GLB

## TOOL BUCKET L

Large size tool organiser bucket. The CLIC CLAC system can be used to quickly close the bag and prevents loss of contents during transport. Two mini external gear loops can be used to connect another BUCKET from BEAL'S range, an ATTRAC'TOOL magnet or an AIR-LEASH extendable gear holder. Two external mini karabiners can be used to connect the LONG TOOL BUCKET to the HERO PRO, SYNCRO and STYX harness or to the AIR-SIT work seat.

Capacity	Weight	Height	Width
5 L	215 g	35 cm	16 cm



Clc clac system



Ref. BSAC.TBL

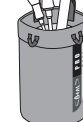
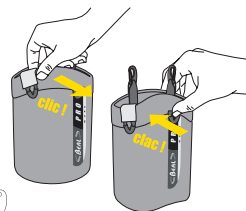
## TOOL BUCKET

Medium size tool organiser bucket. The CLIC CLAC system can be used to quickly close the bag and prevents loss of contents during transport. Two mini external gear loops can be used to connect the BEAL AIR-LEASH extendable gear holder. Two external mini karabiners can be used to connect the TOOL-BUCKET either to the HERO PRO, SYNCRO and STYX harness or to the AIR-SIT work seat.

Capacity	Weight	Height	Width
3,4 L	180 g	25 cm	16 cm



Clc clac system



Ref. BSAC.TB

## AIR LEASH

An extendable gear loop allowing tools to remain attached whilst in use.

### CONSISTS OF TWO SECTIONS

- An extendable spiral cord that attaches to the TOOL-BUCKET, GLASS BUCKET, LONG TOOL BUCKET, to the HERO PRO, SYNCRO and STYX harness, or the AIR-SIT work seat.
- A gear loop that connects to the end of the spiral cord. This is designed to attach tools by means of a girth hitch or slipknot (it is important you select an attachment method appropriate for the specific tool).

A reinforced webbing loop on the gear loop allows the tool to be clipped to the harness using a karabiner between uses

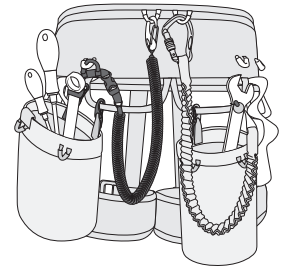
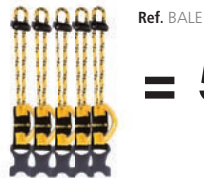
The gear loops are available separately. All tools equipped with gear loops can thus be independently connected to the spiral cord.



Ref. BAL

Minimum length	Weight	Max length with 500g load	Maximum weight
45 cm	55 g	150 cm	500 g

### LEASH EXTENSION



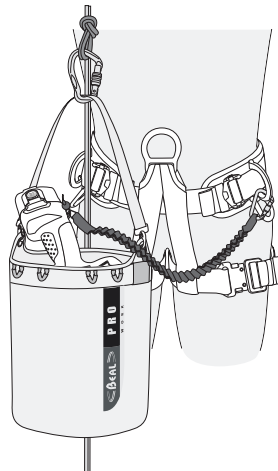
## SUPER LEASH

A webbing based extendable gear loop allowing tools to remain attached whilst in use.

One end can be used to attach tools by means of a girth hitch or slipknot (it is important you select an attachment method appropriate for the specific tool).

The other end is equipped with a screwgate mini-karabiner for attachment to a tool pouch or gear loop.

Minimum length	Weight	Max length with 10 kg load	Maximum weight
70 cm	70 g	115 cm	10 kg



Ref. BALS



## ATTRAC'TOOL

A magnetic plate that allows you to temporarily attach a leash secured tool to an appropriate metal surface.

The ATTRAC'TOOL can be fixed to a belt or shoulder strap of the HERO PRO harness or to the small gear loops of a harness, BUCKET or TOOL BELT.

When fitted to a harness' waist belt, a strap can be clipped around the thigh to stop the magnet from lifting up when picking up the tool. The strap can also be used to hang the ATTRAC'TOOL from a railing.

The ATTRAC'TOOL is modular and can be positioned both vertically and horizontally depending on the tools used and the working environment.



## TOOL BELT

A waist belt with small gear loops for use with the TOOL BUCKET, LONG TOOL BUCKET, GLASS BUCKET, AIR LEASH and ATTRAC'TOOL.

Webbing gear loops positioned around the belt allow the tools to be secured where convenient.

The belt is reinforced to help spread out the weight of the tools on the waist.



Mini waist measurement	Maxi waist measurement	Width	Weight
70 mm	130 mm	50 mm	190 g



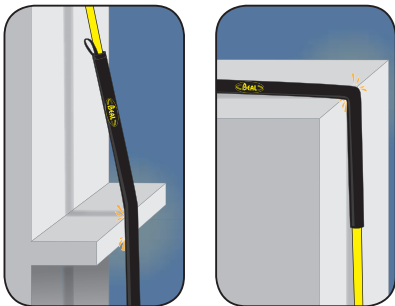
WORK STATION



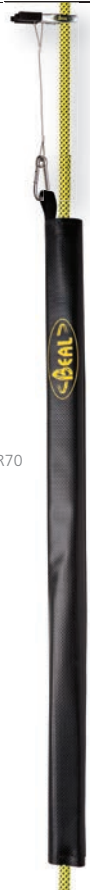
## PROTECTOR

A rope can wear very rapidly over a sharp edge.  
To protect it, use the PROTECTOR, an ultra-solid rope protector made of two layers of coated material.

Length: 70 cm  
Weight: 150 g



Ref. BPR70



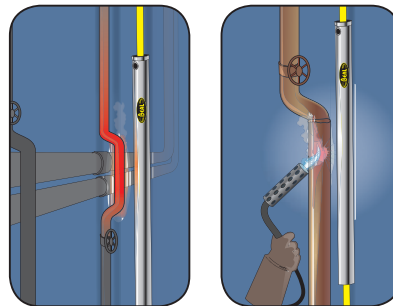
## HOT-PROTECTOR

Made of glass fibre and aluminium, the HOT PROTECTOR is a patented rope protector resistant to heat, welding spatter, angle grinder, or a blowlamp flame - for a short time.  
Placement is facilitated by a magnetic closure.

**STRONG POINTS:**

- Increased resistance to heat.
- Easy to close thanks to its magnets.
- Can be independently positioned on hot metal surfaces.

Length: 70 cm  
Weight: 180 g



Ref. BPRH



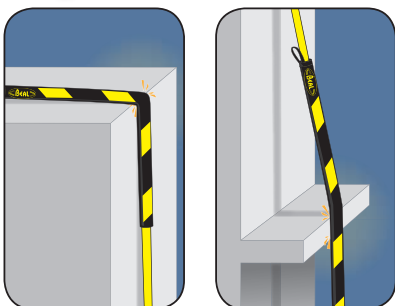
## MAGNETIC PROTECTOR

Rope protector reinforced on both sides by a tape for better abrasion resistance.  
Installation facilitated by a magnetic closure.

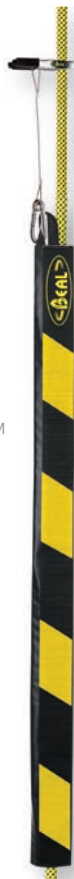
**STRONG POINTS:**

- Increased abrasion resistance.
- Easy to close thanks to its magnets.
- May be independently positioned on metallic surfaces.

Length: 70 cm  
Weight: 260 g



Ref. BPRM



## EDGE GUARD

Rope protector in stainless steel to protect a rope moving over a sharp edge.

**STRONG POINTS:**

- Modulable - can be linked together with maillon rapides.
- Secure with 2 cords (supplied).
- 2 side plates prevent the rope from leaving the rail.

Weight: 300 g

Ref. BPREG







## ROPE DEFENDER

Flexible sleeve made from coiled steel which serves to protect ropes from sharp edges. Thanks to its flexibility, it adapts to all angles. The spirals that are in contact with the edge squeeze together under the rope's movement therefore ensuring total protection. The steel sleeve is virtually indestructible. Its reinforced rubber protecting cover exists as a separate part and may be easily replaced.

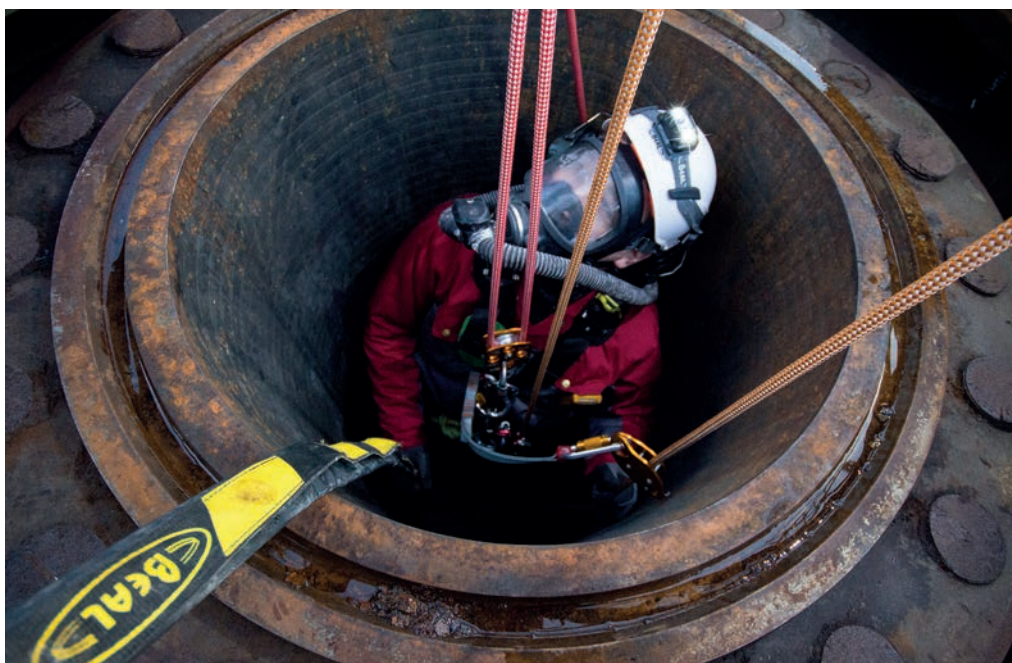
**STRONG POINTS:**

- Virtually indestructible steel sleeve.
- Removable protective cover.

Length: 50 cm  
Weight: 730 g



Ref. BPRD



## CROCO



Universal clamp to secure different rope protectors onto a rope. The CROCO replaces the use of cord with a Prusik loop and other temporary attachment methods. Fitted with a cable and a small karabiner, it attaches easily to any rope protector on the market. Being independent of the rope protector, the CROCO can be reused when the rope protector has to be replaced.

**STRONG POINTS:**

- Adapts to all ropes from 9 to 12 mm.
- Attaches quickly to all rope rotectors on the market.
- Reusable.

Length: 23 cm  
Weight: 40 g



Ref. BPRCROCO

ROPE PROTECTORS



## ASSURE EN 420/ EN 388



Mitts, entirely in leather, reinforced palms.

### STRONG POINTS:

- Ultra supple, natural grain leather.
- Loop for attachment to harness.
- Reinforced palm.
- Loop for karabiner clipping.
- Leaves the fingertips free.



Ref.  
BGA.S  
BGA.M  
BGA.L  
BGA.XL  
BGA.XXL

EN 420 (2003) General requirements for protective gloves: safety, comfort and dexterity  
EN 388 (2003) Protective gloves against mechanical hazards



2122

## ASSURE MAX EN 420/ EN 388



Gloves entirely in leather, with reinforced palm.

### STRONG POINTS:

- Ultra supple, natural grain leather.
- Loop for attachment to harness.
- Reinforced palm.
- Loop for karabiner clipping.



Ref.  
BGAM.S  
BGAM.M  
BGAM.L  
BGAM.XL  
BGAM.XXL

EN 420 (2003) General requirements for protective gloves: safety, comfort and dexterity  
EN 388 (2003) Protective gloves against mechanical hazards



2122

## RAPPEL GLOVES EN 420/ EN 388



All-leather gloves, reinforced where the rope runs, specially adapted for descending the rope.

### STRONG POINTS:

- Reinforced to limit wear from the sliding rope.
- Thick full grain leather
- Loop to clip the gloves to the harness.



Ref.  
BGR.S  
BGR.M  
BGR.L  
BGR.XL  
BGR.XXL

EN 420 (2003) General requirements for protective gloves: safety, comfort and dexterity  
EN 388 (2003) Protective gloves against mechanical hazards



3244

## ROPE TECH GLOVES EN 420/ EN 388



Hybrid gloves, half-leather palms, half breathable stretch fabric on the back.

### STRONG POINTS:

- Thin leather on the inside fingers for greater dexterity.
- The palm is reinforced precisely where the rope runs.
- The stretch textile on the back of the hand aids breathability and avoids sweating.
- Loop to clip the gloves to the harness.



Ref.  
BGR.T.S  
BGR.T.M  
BGR.T.L  
BGR.T.XL  
BGR.T.XXL

Ref.  
BGR.T.S.BK  
BGR.T.M.BK  
BGR.T.L.BK  
BGR.T.XL.BK  
BGR.T.XXL.BK

EN 420 (2003) General requirements for protective gloves: safety, comfort and dexterity  
EN 388 (2003) Protective gloves against mechanical hazards



3343

## ROPE CLEANER

Non-aggressive detergent developed to clean ropes and harnesses easily. Will not damage polyamide – water temperature < 30° C.

Ref. BRC



## ROPE CUTTER



Ref. BCUT

## ROPE MARKER

BEAL has developed a special ink for marking ropes, in the middle as well as at the ends. This ink hardly stiffens the rope, is water resistant, and stands up to abrasion well. NB: it does not affect polyamide. The container has a small roller at the tip for better inking. With one container of ROPE MARKER you can make 30 marks of 5 cm.



Ref. BRM

## ROPE BRUSH

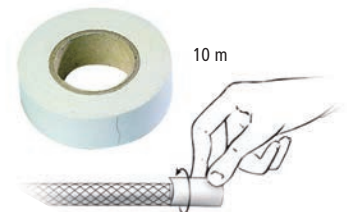
A brush specifically created to clean ropes. Adapts easily to different diameters. Twist the brush onto the rope then run the rope through the brush while holding it firmly under water.



Ref. BRB

## ROPE BAND

Ref. BRT



10 m

## MARKING TICKET KIT

The kit consists of non-rotting labels and heat-shrink sheath to allow you to replace old rope endings, but more importantly to let you establish your own rope traceability. The label is non-tear and waterproof, the heat-shrink cover is very abrasion resistant.

Size = 20mm



Ref. BRE

(x 50) <80°

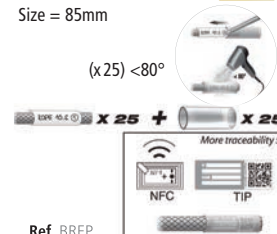


## MARKING TICKET KIT XL

The kit consists of non-rotting labels and heat-shrink sheath to allow you to replace old rope endings, but more importantly to let you establish your own rope traceability. The label is non-tear and waterproof, the heat-shrink cover is very abrasion resistant.

Size = 85mm

(x 25) <80°



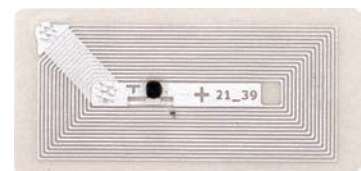
Ref. BREP

## NFC CHIP

Ref. BNFC



NFC





#### OPTIMISE YOUR EQUIPMENT MANAGEMENT:

1. Inspect equipment with ease, directly on the ground
2. Save results in just 3 clicks through the « Fast Record »
3. Share results with inspectors in a secure cloud

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Save and organize all equipment, regardless of the brand.

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BEAL inspect allows you to choose your own equipment identification: individual number, your own identifier, a QR Code

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[www.beal-inspect.com](http://www.beal-inspect.com)



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