



# C A T A L O G

**CONTINUOUS BELAY SYSTEM 🧗 WIRE  
ROPE 🧗 OBSACLE 🧗 ROPE & NETS 🧗  
PROTECTION 🧗 PPE EQUIPMENT**

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# CONTINUOUS BELAY SYSTEM WITH PULLEY



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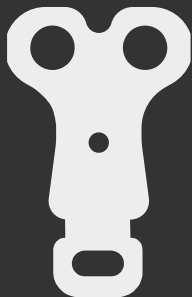








# CONTINUOUS BELAY SYSTEM WITH PULLEY



**> FUNCTION OF THE CONTINUOUS BELAY SYSTEM**

**> SOME RECOMMENDATIONS**

**> HOW TO CHOOSE YOUR CONTINUOUS BELAY SYSTEM**





## FUNCTION OF THE CONTINUOUS BELAY SYSTEM

KOALA EQUIPMENT continuous belay system enables users to avoid falls at height.

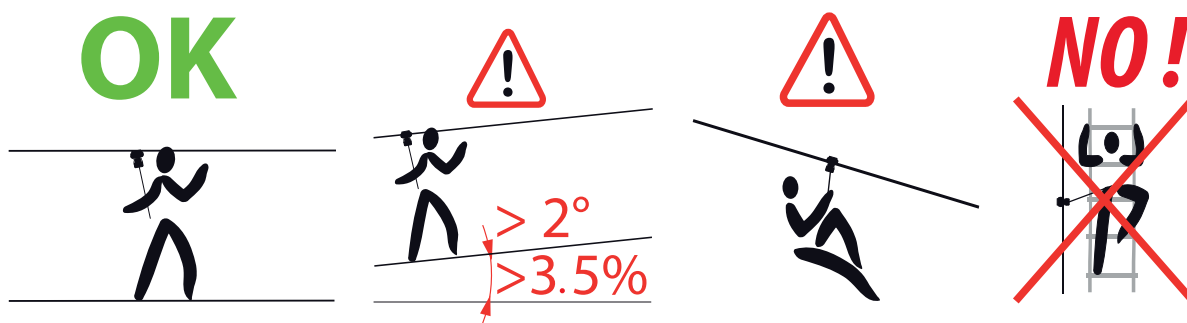
It is designed for obstacles with no more than a 2° or 3.5% slope. For obstacles with a greater slope (net bridges, stairs with handrails etc...) users' safety must be ensured by the obstacle itself (net, handrail etc...) or with a fall arrester.

In these cases, the continuous lifeline does not ensure safety but simply allows for continuity of the lifeline.

On vertical activities, ascending or descending, the SWITCH must be associated with a fall arrester or a descender.

It is your responsibility to check that these devices are compatible.

For pendulum jumps (Tarzan swings) the SWITCH must be associated with the jump rope / wire rope.



KOALA EQUIPMENT continuous belay system and its components are compatible with KOALA EQUIPMENT POULIZ only.



## SOME RECOMMENDATIONS

KOALA EQUIPMENT continuous belay lifeline is designed to be installed with the following wire ropes :

- Galvanized steel wire ropes 19 x 7 metallic core, anti-rotating,
- Swaged galvanized steel wire ropes 6 x 26, metallic core.
- Galvanized steel wire ropes, 6 x 7 textile core, lang forming,

It can be installed with Ø12 mm wire rope or Ø ½" in depending on the materials you have chosen.

**Never install materials designed for Ø½" in wire rope on Ø12 mm (0.47") wire rope or vice versa.**





The platforms and obstacles must be in place prior to installing the continuous belay system.

To avoid premature wear and tear of the wire rope due to fatigue, ensure that the platforms are big enough to avoid the users from hanging between 2 arms (grey zone on the drawing).



If you wish to install the continuous belay system arms differently to the description in the manual provided at purchase, you must ensure that your system is strong enough to take on the efforts required by the safety factors. To do so, refer to the standards in force for sizing. In case of doubt, we advise you to add a back up.

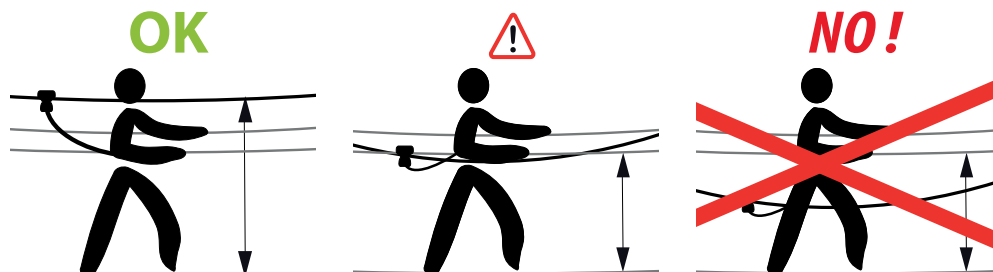
The recommended height for the lifeline is 1.6 m (5'2,99") relative to the users' feet.

Recommended length of the lanyard for this height :

- Participants who weigh more than 35 kg (75 lbs) with a sit harness = 75 cm (2' 5.52")
- Participants who weigh less than 40 kg (85 lbs) with a full body harness = 85 cm (2' 9.46")

If you wish to place the lifeline at any other height or change the length of the lanyard, you must take the two following elements into consideration :

1°) The fall factor depending on the position of the lifeline relative to the lanyard's anchor on the user. It determines the sustained efforts in case of a fall. Fall factor = height of the fall ÷ length of the lanyard (the result must be as low as possible and never above 1)



2°) The air draft : the distance to the first obstacle a user could hit, from his lanyard anchor, in case of a fall. Air draft = length of the lanyard + distance of the user from his lanyard's anchor point to his feet + distance due to the wire rope sag due to the elasticity of the supports + the safety margin.

**Activities at height are potentially hazardous and may result in serious injury or death. This risk concerns installers, operating staff and users.**  
**The owners, installers and operators should read and keep the manual provided at time of purchase. It includes instructions for the installation, operating, inspection and maintenance of the product and compatible materials and equipment.**  
**KOALA EQUIPMENT continuous belay system and its components are compatible with KOALA EQUIPMENT PULLEY trolleys only.**









## > HOW TO CHOOSE YOUR CONTINUOUS BELAY SYSTEM

### FIXING ON TREE



#### CHILDREN & ADULTS

##### METAL STRAP & U-PARTS

| PAGE 11

##### LESS THAN 150 METRE LONG (492'1") ZIPLINE

| PAGE 13

#### ADULTS

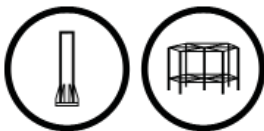
##### WIRE ROPE SLINGS & BOW SHACKLES

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##### MORE THAN 150 METRE LONG (492'1") ZIPLINE

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### FIXING ON ARTIFICIAL SUPPORT



#### DOUBLE BRACKETS & TWISTED FLAT ARMS

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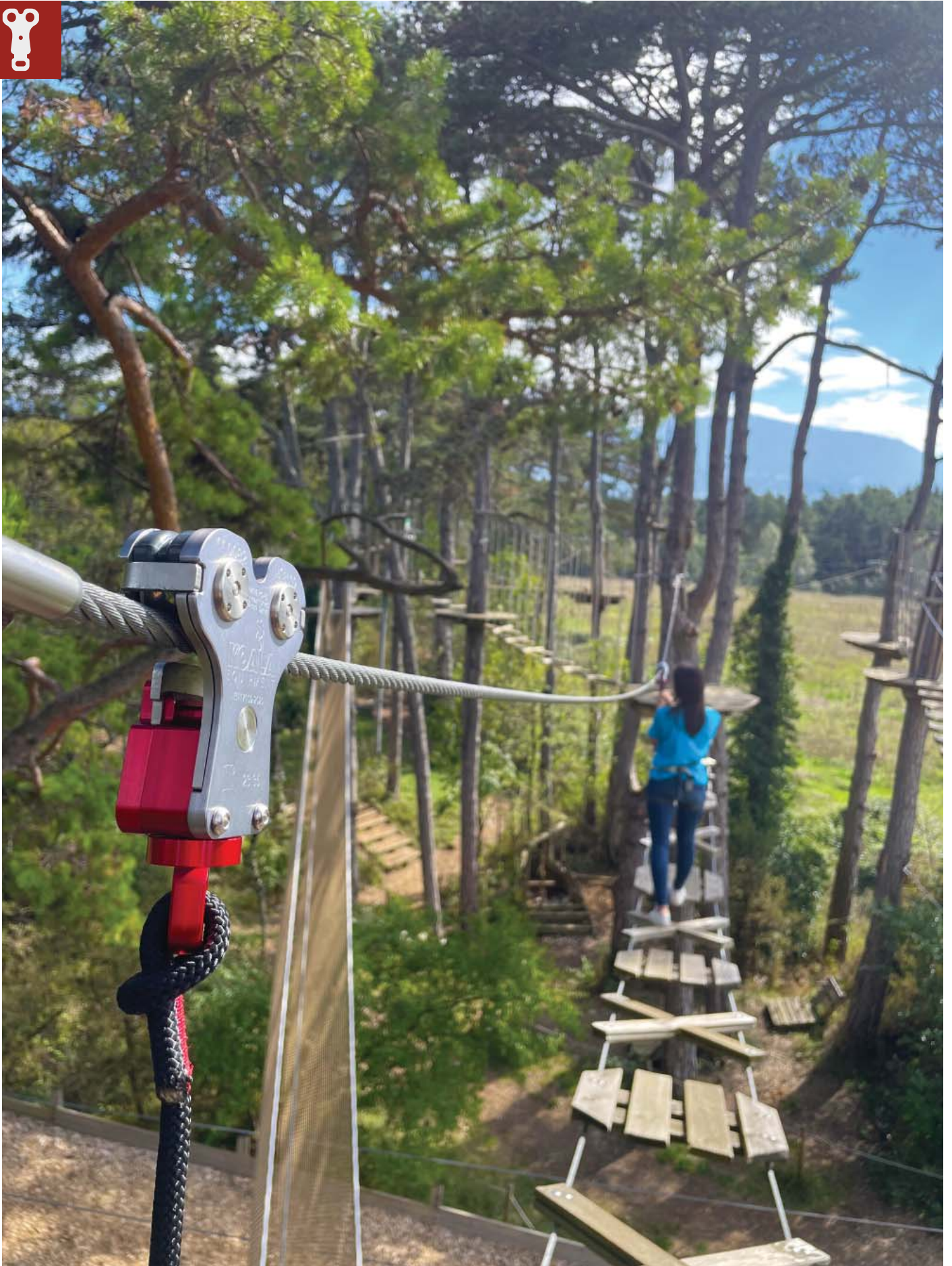
##### LESS THAN 150 METRE LONG (492'1") ZIPLINE

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##### MORE THAN 150 METRE LONG (492'1") ZIPLINE

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# FIXING ON TREES

**> METAL STRAP & U-PARTS**

**> WIRE ROPE SLINGS & BOW SHACKLES**

**> WIRE ROPE & MOUNTED SHACKLE LOCK**

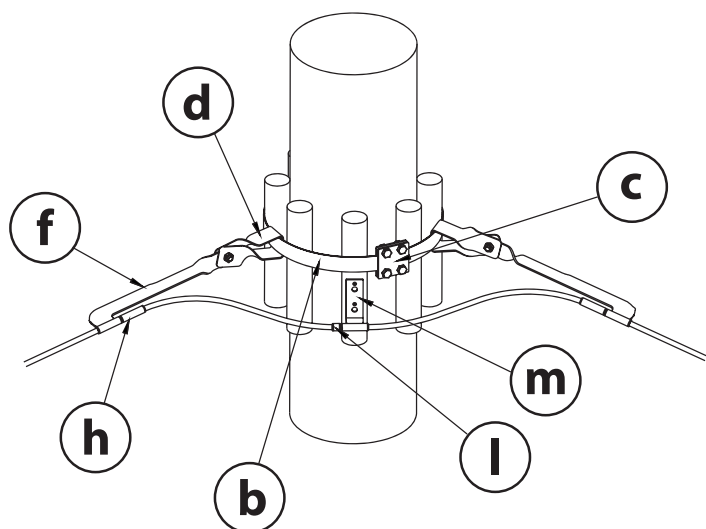
**> LESS THAN 150 METRE LONG (492'1") ZIPLINE**

**> MORE THAN 150 METRE LONG (492'1") ZIPLINE**





## METAL STRAP & U-PARTS



### INSTALLING A CONTINUOUS LIFELINE ON METAL STRAP & U-PARTS

| BREAKING LOAD : 71 kN

Scan to see the installation and use video



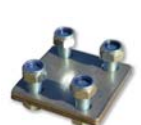
**b**



**METAL STRAP**

REF : QU73

**c**



**COMPLETE CLAMP FOR METAL STRAP**

REF : AC44



**METAL STRAP TENSIONING TOOL**

REF : ME73-F

**d**



**U-PART FOR FIXING ARM**

REF : AC64

**f**



**TWISTED FLAT ARM FOR HORIZONTAL ACTIVITIES**

REF : QU35-1

**h**



**FERRULE - 65 mm (2.5 in) LONG TO BE CRIMPED**

REF : ME10

**m**



**METAL BRACKET**

REF : AC60

**l**



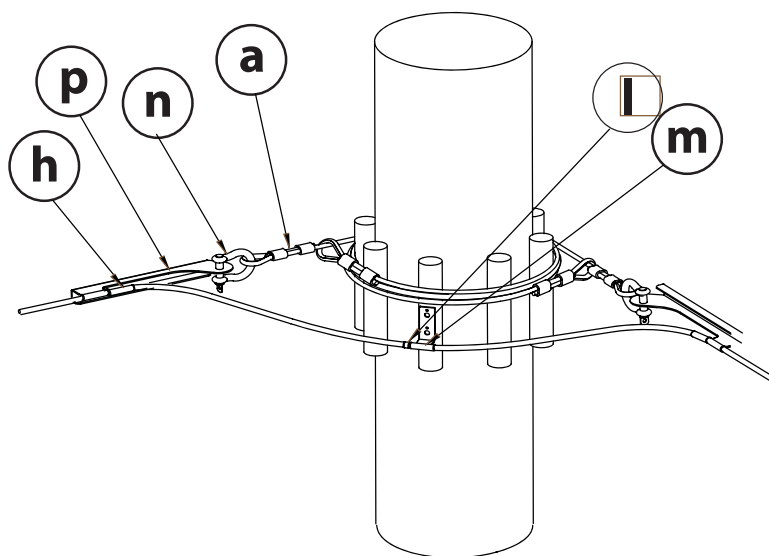
**FERRULE - 18 mm (0.7 in) LONG TO BE CRIMPED**

REF : ME14





## WIRE ROPE SLINGS & BOW SHACKLES



### INSTALLING A CONTINUOUS LIFELINE ON WIRE ROPE SLINGS & BOW SHACKLES

| BREAKING LOAD : 71 kN

Scan to see the installation video



**a**



**Ø12 mm (0.47in)  
SWAGED THIMBLED  
WIRE ROPE 1  
THIMBLE  
- CUT TO SIZE**

REF : CA06-10

**p**



**ARM FOR HORIZONTAL  
ACTIVITY**

REF : ME75-F



**ALUMINIUM FERRULE  
N°13 FOR SWAGING  
2 X Ø12 mm (0.47in) WIRE  
ROPE**

REF : QU36-13

**h**



**FERRULE - 65 mm (2.5 in)  
LONG TO BE CRIMPED**

REF : ME10



**Ø12 mm (0.47in ) WIRE  
ROPE THIMBLE**

REF : QU01-12

**m**



**METAL BRACKET**

REF : AC60

**n**



**BOW SHACKLE B+P  
5/8 - WLL 3,25 TONS**

REF : QU112-325

**l**

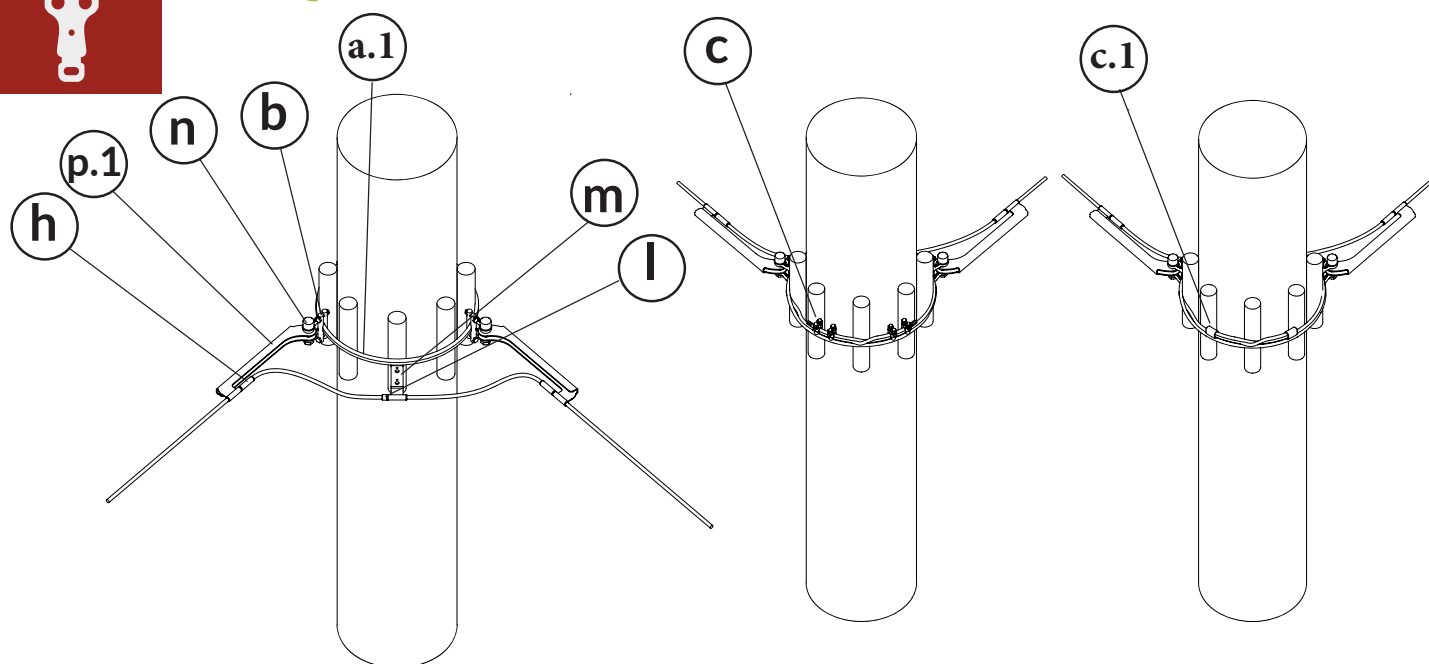


**FERRULE - 18 mm (0.7 in)  
LONG TO BE CRIMPED**

REF : ME14



## WIRE ROPE & MOUNTED SHACKLE LOCK



a.1



**Ø12 mm (0.47 in)  
SWAGED THIMBLED  
WIRE ROPE 2  
THIMBLES  
- CUT TO SIZE**

REF : CA06-10

p.1



**ARM ACTIVITY**

REF : ME300-F

b



**SHACKLE LOCK**

REF : ME301-F

h



**FERRULE - 65 mm (2.5 in)  
LONG TO BE CRIMPED**

REF : ME10

n



**BOW SHACKLE B + G  
5/8» - WLL 3,25 TONS**

REF : QU112-325

m



**SCREW-ON  
METAL BRACKET**

REF : AC60

c



**WIRE ROPE CLIP « CE »  
FOR Ø12 mm (0.47 in)  
WIRE ROPE**

REF : QU130-12

l



**FERRULE - 18 mm (0.7 in)  
LONG TO BE CRIMPED**

REF : ME14

c.1



**ALUMINIUM FERRULE  
N°13 FOR WIRE ROPE  
Ø12mm**

REF : QU36-13



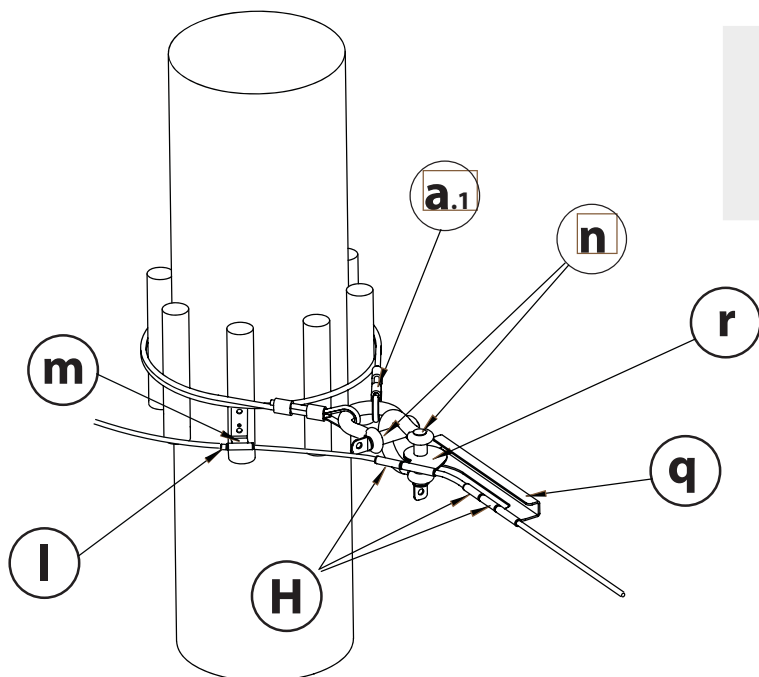
**PROTECTION CAPS  
FOR M20 NUTS**

REF : PR12-M20





## LESS THAN 150 METRE LONG (492'1") ZIPLINE



### ZIPLINE START

| BREAKING LOAD : 100 kN

a.1



**Ø12 mm SWAGED  
THIMBLED WIRE  
ROPE 2 THIMBLES  
- CUT TO SIZE**

REF : CA06-10

q



**ARM FOR ZIPLINE**

REF : ME76-F

n



**BOW SHACKLE B + P  
5/8» - WLL 3,25 TONS**

REF : QU112-325

h



**FERRULE - 65 mm (2.5 in)  
LONG TO BE CRIMPED**

REF : ME10

r



**BACK-UP FOR  
ZIPLINE ARM**

REF : ME78-F

m



**SCREW-ON  
METAL BRACKET**

REF : AC60

l



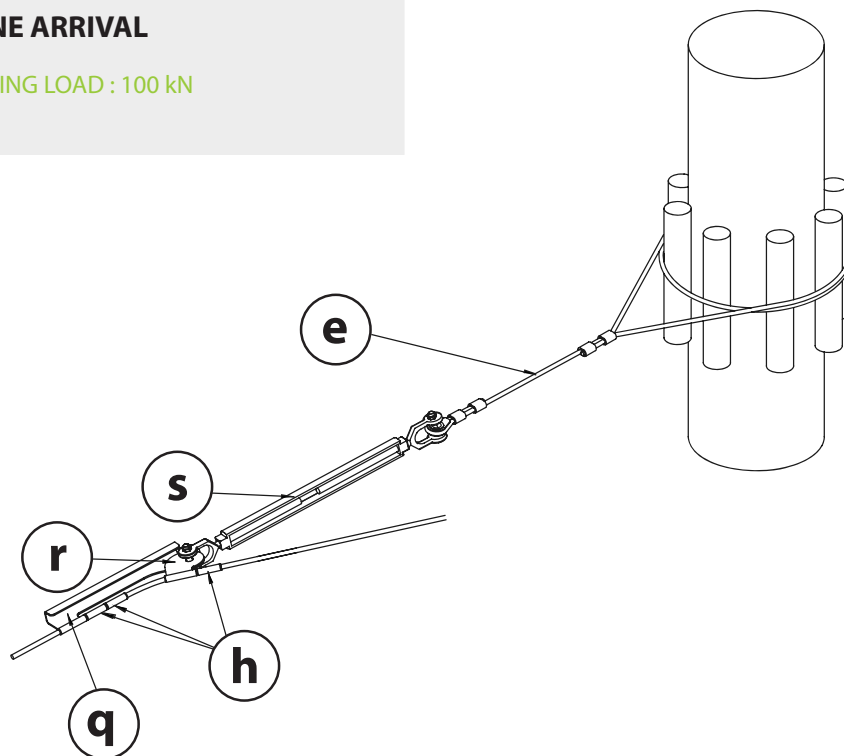
**FERRULE - 18 mm (0.7 in)  
LONG TO BE CRIMPED**

REF : ME14



## ZIPLINE ARRIVAL

| BREAKING LOAD : 100 kN



e



**Ø12 mm (0.47in) SWAGED  
THIMBLED WIRE ROPE  
1 SOLID THIMBLE  
- CUT TO SIZE**

REF : CA08-10

r



**BACK-UP FOR  
ZIPLINE ARM**

REF : ME78-F



**ALUMINIUM FERRULE  
N°13 FOR SWAGING  
2 X Ø 12 mm WIRE ROPES**

REF : Q36-13

q



**ARM FOR ZIPLINE**

REF : ME76-F

s



**2 CLEVIS TURNBUCKLE**

REF : QU55-305  
REF : QU55-457

h



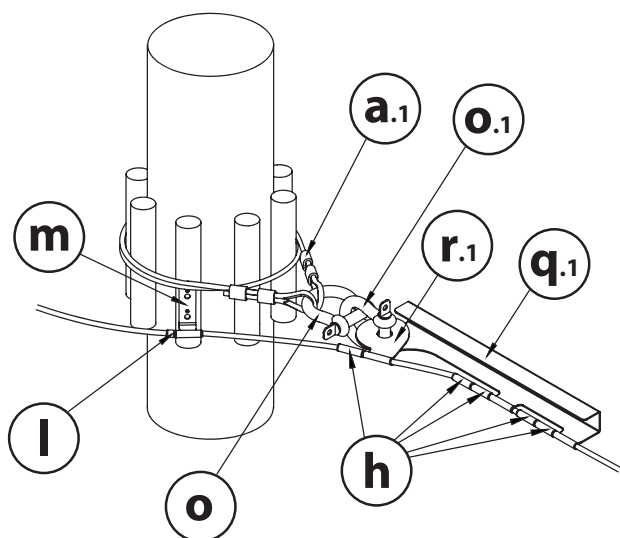
**FERRULE - 65 mm (2.5 in)  
LONG TO BE CRIMPED**

REF : ME10





## MORE THAN 150 METRE LONG (492'1") ZIPLINE



### ZIPLINE START

| BREAKING LOAD : 140 kN

**a.1**



**Ø12 mm (0.47 in)  
SWAGED THIMBLED  
WIRE ROPE 2  
THIMBLES  
- CUT TO SIZE**

REF : CA06-10

**o**



**BOW SHACKLE  
B + P 4,75 T**

REF : QU112-475

**o.1**



**BOW SHACKLE  
B + P 6,50 T**

REF : QU112-650

**r.1**



**BACK-UP FOR  
LONG ZIPLINE  
ARM**

REF : ME202-F

**q.1**



**ARM FOR  
LONG ZIPLINE**

REF : ME201-F

**h**



**FERRULE - 65 mm (2.5 in)  
LONG TO BE CRIMPED**

REF : ME10

**m**



**METAL BRACKET**

REF : AC60

**l**



**FERRULE - 18 mm (0.7 in)  
LONG TO BE CRIMPED**

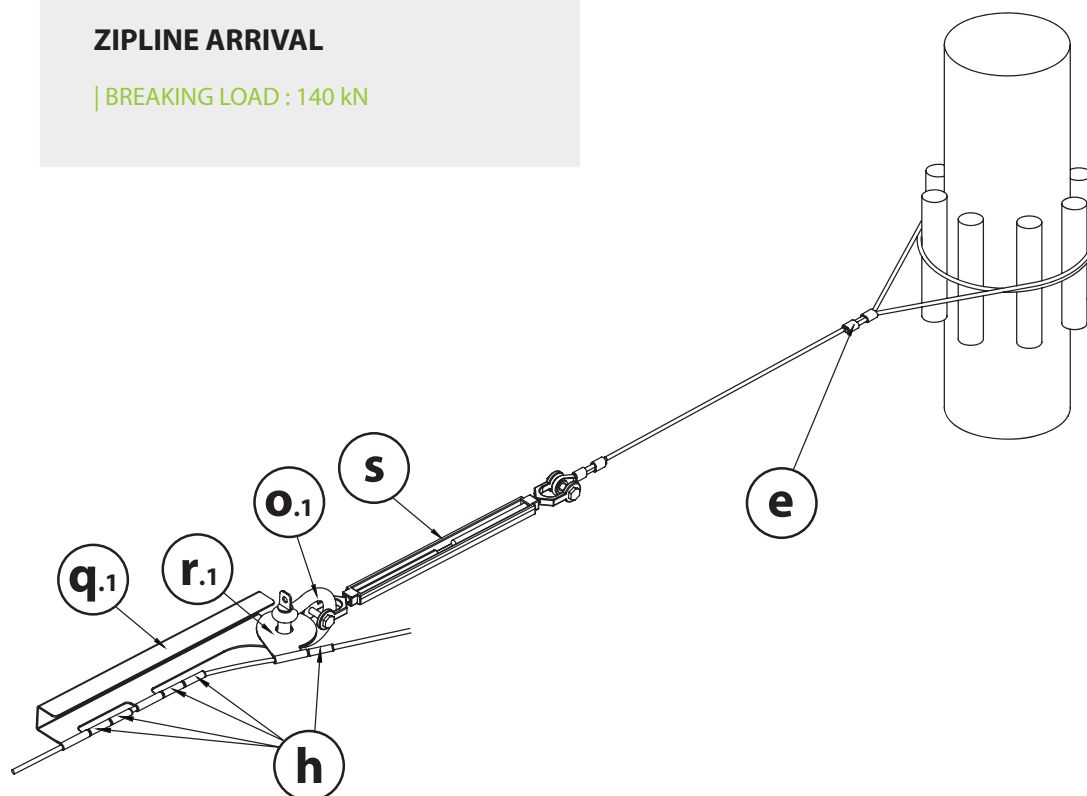
REF : ME14





## ZIPLINE ARRIVAL

| BREAKING LOAD : 140 kN



e



**Ø12 mm (0.47 in) SWAGED  
THIMBLE WIRE ROPE  
1 SOLID THIMBLE  
- CUT TO SIZE**

REF : CA08-10

r.1



**BACK-UP FOR  
LONG ZIPLINE  
ARM**

REF : ME202-F



**ALUMINIUM FERRULE  
N°13 FOR SWAGING  
2 X Ø12 mm (0.47 in) WIRE  
ROPES**

REF : QU36-13

q.1



**ARM FOR  
LONG ZIPLINE**

REF : ME201-F

s



**2 CLEVIS TURNBUCKLE**

REF : QU55-305  
REF : QU55-457

h



**FERRULE - 65 mm (2.5 in)  
LONG TO BE CRIMPED**

REF : ME10

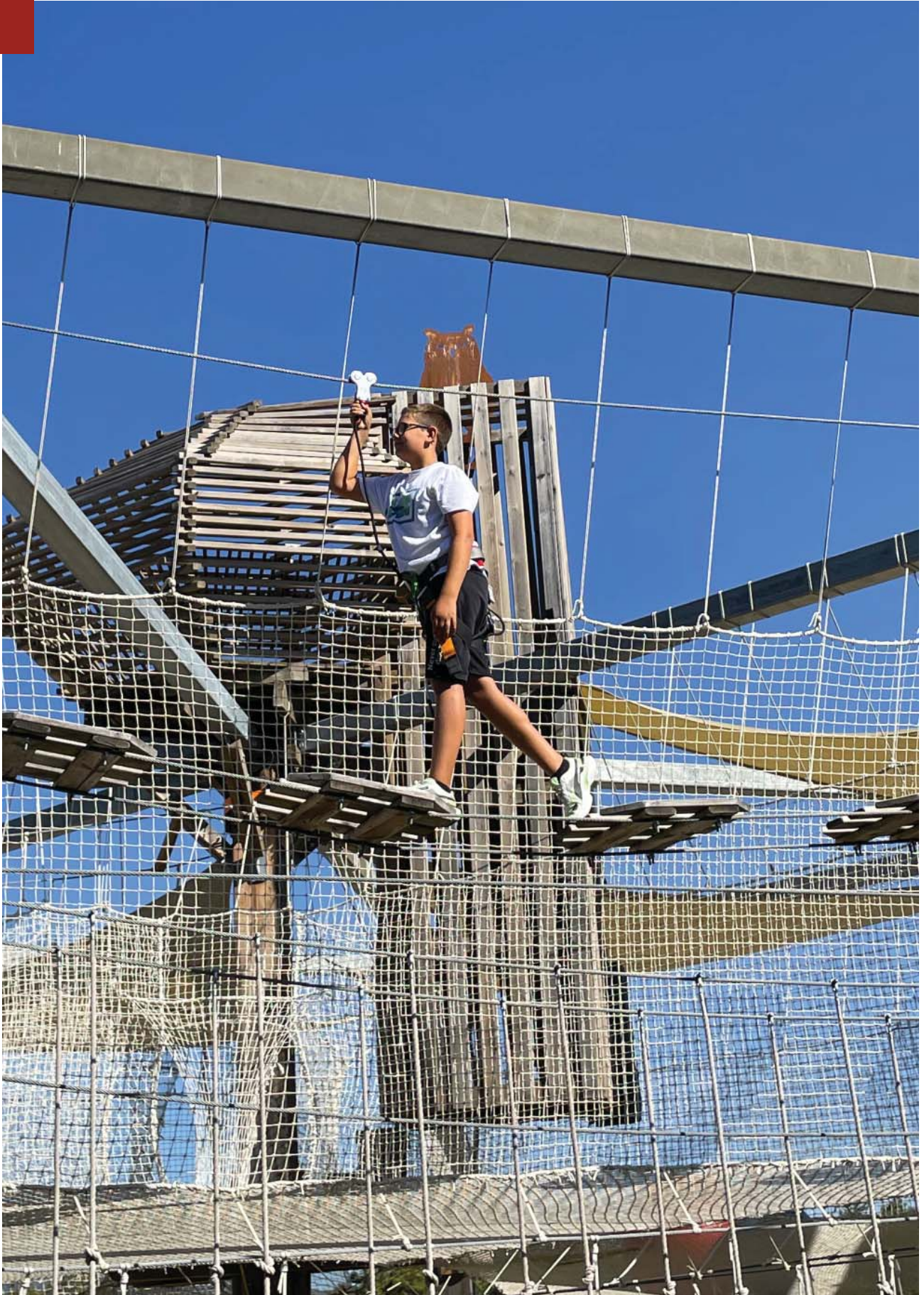
o.1



**BOW SHACKLE BOLT  
B + P 6,50 T**

REF : QU112-650







# **FIXING ON ARTIFICIAL SUPPORTS**

**> DOUBLE BRACKETS & TWISTED FLAT ARMS**

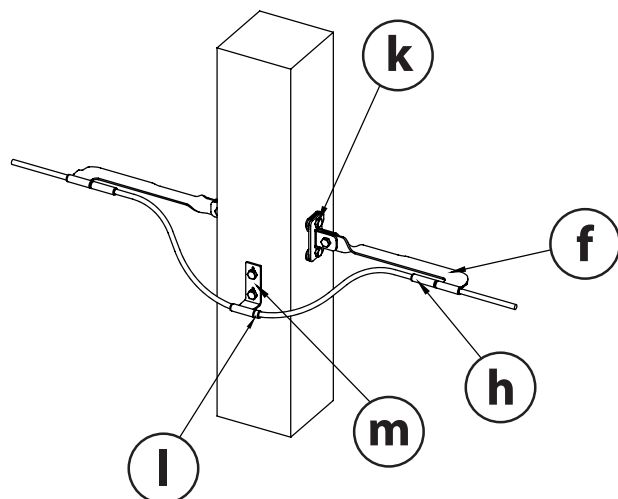
**> LESS THAN 150 METRE LONG (492'1") ZIPLINE**

**> MORE THAN 150 METRE LONG (492'1") ZIPLINE**





## DOUBLE BRACKETS & TWISTED FLAT ARMS



### INSTALLING A CONTINUOUS LIFELINE ON DOUBLE BRACKETS & TWISTED FLATS ARMS

| BREAKING LOAD : 73 kN

k



**DOUBLE BRACKET  
FOR FIXING ARMS**

REF : ME08

h



**FERRULE - 65 mm (2.56 in)  
LONG TO BE CRIMPED**

REF : ME10

f



**FLAT ARM FOR  
HORIZONTAL  
ACTIVITY**

REF : QU35-1

m



**METAL BRACKET**

REF : AC60

l



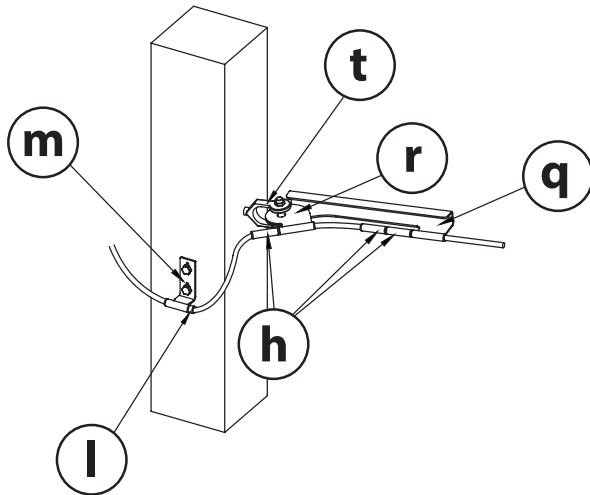
**FERRULE - 18 mm (0.7 in)  
LONG TO BE CRIMPED**

REF : ME14





## LESS THAN 150 METRE LONG (492'1") ZIPLINE



### ZIPLINE START

| BREAKING LOAD : 100 kN



t

**CLEVIS HR Ø 22 mm  
(Ø 7/8 in)**

REF : QU12



r

**BACK-UP FOR  
ZIPLINE ARM**

REF : ME78-F



q

**ARM FOR ZIPLINE**

REF : ME76-F



h

**FERRULE - 65 mm  
(2.56 in) LONG TO  
BE CRIMPED**

REF : ME10



m

**METAL BRACKET**

REF : AC60



l

**FERRULE - 18 mm  
(0.7 in) LONG TO  
BE CRIMPED**

REF : ME14

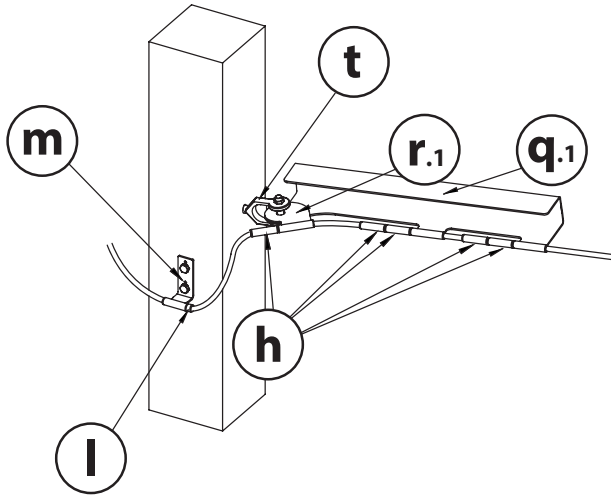
### ZIPLINE ARRIVAL

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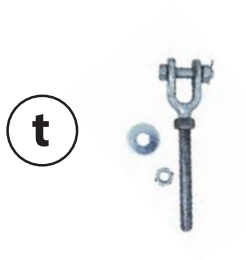


## MORE THAN 150 METRE LONG (492'1") ZIPLINE



### ZIPLINE START

| BREAKING LOAD : 140 kN



**CLEVIS HR Ø 22 mm  
(Ø 7/8 in)**

REF : QU12



**FERRULE - 65 mm  
(2.56 in) LONG TO  
BE CRIMPED**

REF : ME10



**BACK-UP FOR  
LONG ZIPLINE  
ARM**

REF : ME202-F



**SCREW-ON  
METAL BRACKET**

REF : AC60



**ARM FOR  
LONG ZIPLINE**

REF : ME201-F



**FERRULE - 18 mm  
(0.7 in) LONG TO  
BE CRIMPED**

REF : ME14

### ZIPLINE ARRIVAL

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# ACCESSORIES

**> CONTINUOUS BELAY SYSTEM ACCESSORIES**

**> POULIZ PULLEY**

**> SWAPPERS**

**> SWITCH**

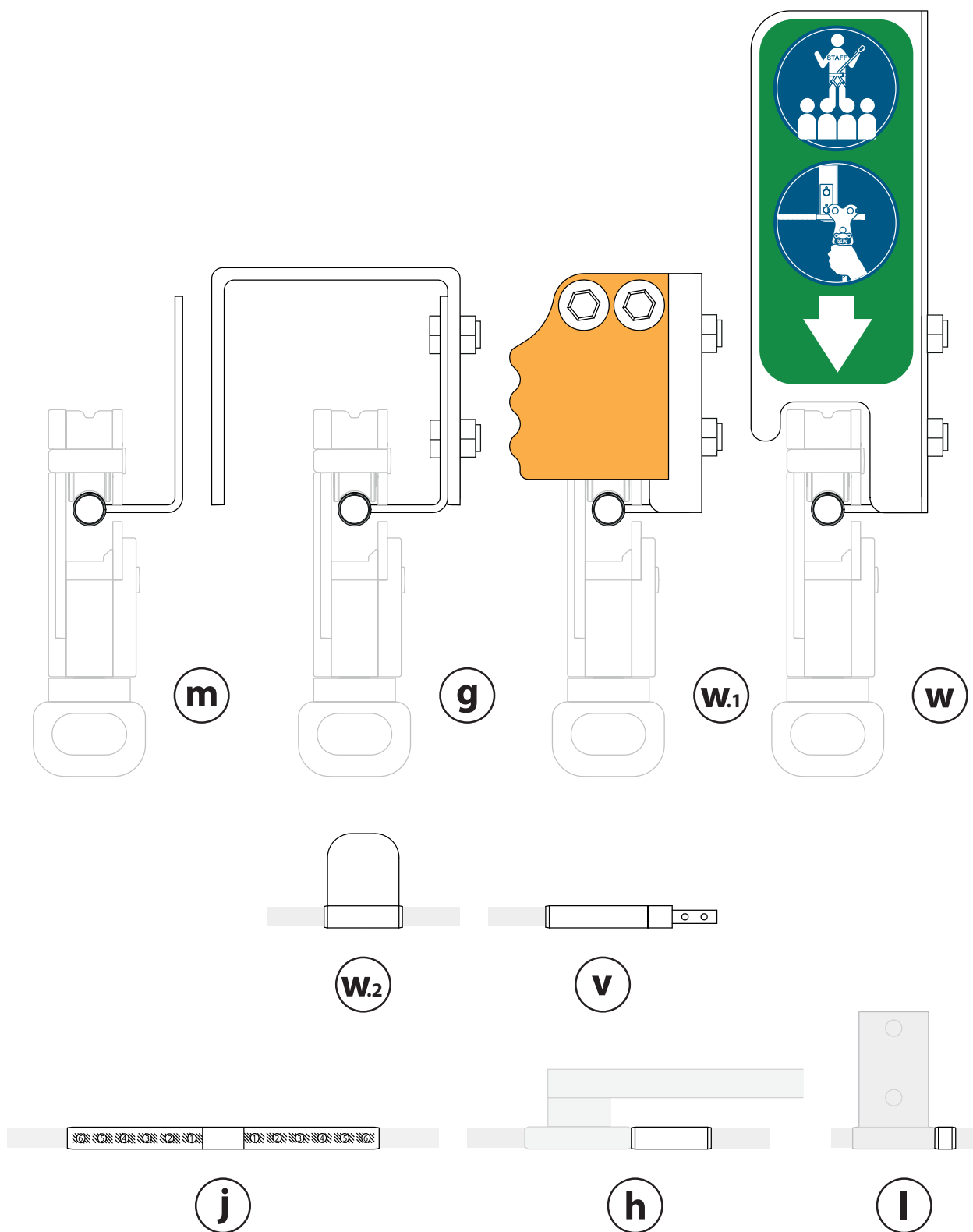
**> CLIMB-UP**

**> CONTINUOUS BELAY SYSTEM ZIP BRAKES**





## CONTINUOUS BELAY SYSTEM ACCESSORIES





**m**

### SCREW-ON METAL BRACKET

REF : AC60

The SCREW-ON METAL BRACKET (M), to keep the wire rope away from the supports and limit fatigue on the wire rope between the arms, provides a smoother run for the pulleys. The SCREW-ON METAL BRACKET (M) is not a safety device and cannot replace the arms. It is therefore essential that they are only installed between the arms.

**g**

### SCREW-ON METAL BRACKET INVERTER

REF : ME49-F

In some cases, the SCREW-ON METAL BRACKET (M) can be fixed onto a SCREW-ON METAL BRACKET INVERTER (G) depending on which way the continuous belay is installed around the support.

**W**

### CONTINUOUS BELAY DEPARTING EXPLANATORY SIGN POST

REF : ME103-V2F AR

CONTINUOUS BELAY DEPARTING EXPLANATORY SIGN POST (W), combined with the SCREW-ON METAL BRACKET (M), to show users where to connect onto the continuous belay system at the start. The shape of the steel plate obliges the user to place the KOALA EQUIPMENT POULIZ trolley correctly.

**W.1**

### BACK-STOP

REF : ME114-F

The BACK-STOP (W.1), combined with the SCREW-ON METAL BRACKET (M), blocks the KOALA EQUIPMENT POULIZ trolley on sloping activities such as stairs.



### PU PAD 8mm for BACKSTOP - 60 shores

REF : PR27

Spare part

**W.2**

### BACK-STOP FERRULE

REF : ME11-F

The BACK-STOP FERRULE (W.2) blocks the KOALA EQUIPMENT POULIZ trolley on sloping activities such as stairs or horizontal activities such as nets.

**V**

### REMOVABLE FERRULE

REF : ME12-MA MALE

The REMOVABLE FERRULE (V) allows the easy change of the new Y2.0SWAPPER (Y) without cutting the wire ropes.

**j**

### REMOVABLE CONNECTING FERRULE - Ø1/2 inch wire rope

REF : ME12

The purpose of the CONNECTING FERRULE - 185 mm (7/8 in) TO BE CRIMPED (J) is to join 2 lifeline wire ropes, or a lifeline wire rope to a zip line wire rope. Both wire ropes must have identical diameters. It can be installed with Ø12 mm (Ø 0.47 in) wire rope or Ø 1/2" in depending on the materials you have chosen. Never install materials designed for Ø 1/2" in wire rope on Ø12 mm wire rope or vice versa. Warning : The connections can only be made between 2 arms above a platform where the wire rope is slack. Only use those dies recommended by KOALA EQUIPMENT with a crimping tool exerting a force of at least 120 kN.

**h**

### FERRULE - 65 mm (2.5 in) LONG TO BE CRIMPED

REF : ME10

The purpose of the 65 mm (2.56 in) FERRULE TO BE CRIMPED (H) is to be swaged onto a wire rope, to put it under tension :

- horizontal activity : 1 FERRULE - 65 mm (2.5 in) TO BE CRIMPED (H) needed per arm.
- zipline : 3 or 5 FERRULES - 65 mm (2.5 in) TO BE CRIMPED (H) needed per arm.

Only use those dies recommended by KOALA EQUIPMENT with a crimping tool exerting a force of at least 120 kN.

Before swaging, we recommend that you place a KOALA EQUIPMENT POULIZ trolley on the lifeline in order to ensure that there are no obstacles on the lifeline.

**I**

### FERRULE - 18 mm (0.7 in) LONG TO BE CRIMPED

REF : ME14

The objective of the FERRULE - 18 mm (0.7 in) TO BE CRIMPED (L) is to fix the wire rope onto the SCREW-ON METAL BRACKET (M). FERRULE - 18 mm (0.7 in) TO BE CRIMPED (L) for SCREW-ON METAL BRACKET (M) can never replace a FERRULE - 65 mm (2.56 in) TO BE CRIMPED (H), even if there are many of them.





## PULLEY

**Z.1**

**POULIZ 3.1**  
REF : PO13-1

Scan to see the  
usage video



**COVER  
POULIZ 3.1**

REF : PR30

*Spare part*

80 km / h  
50 mph  
MAX.

790 g.  
(1.74 lbs)

- COMPLIES WITH GUIDELINE 2016/ 425 / EEC
- COMPLIES WITH STANDARD EN17109: 2020
- MARKING UKCA



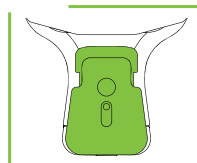
**OPENING  
TOOL FOR  
POULIZ 3.1**

REF : ME184

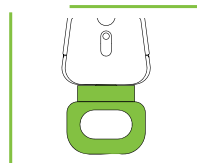


**HANDLE FOR  
POULIZ 3.1**

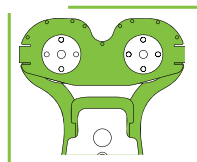
REF : ME115-F Z30



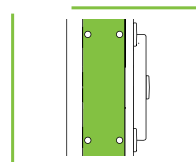
**OPEN  
/ CLOSED**  
| NEW SYSTEM



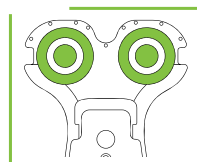
**LANYARD  
ATTACHMENT  
WITH SWIVEL**  
| NEW



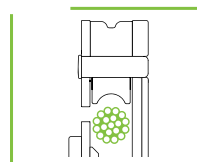
**REINFORCED  
STAINLESS-STEEL  
BODY**  
| NEW



**COVER ON  
THE TOP**



**SHEAVES MOUNTED  
ON 2 SETS of 2  
SEALED BALL  
BEARINGS**



**Ø MIN. = 12 mm  
(0.47 in)  
Ø MAX. = 13 mm  
(Ø 0.51 in)**

- MADE IN FRANCE
- GUARANTEED FOR 2 YEARS



**POULIZ 3.1  
& SWITCH  
POCKET**

REF : EQ13



**HANDLE FOAM-  
POULIZ 3.1**

REF :

*Spare part*

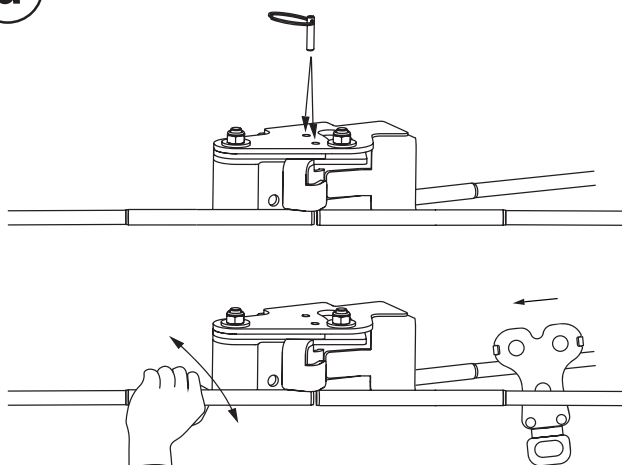




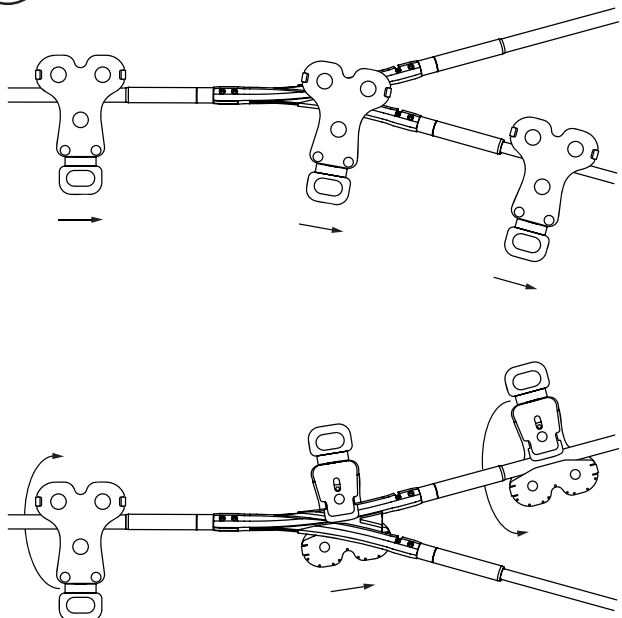
## SWAPPERS



u



y



### CONTINUOUS BELAY SYSTEM SWAPPER

REF : ME09



- The CONTINUOUS BELAY SYSTEM SWAPPER allows users to choose between 2 directions without disconnecting from the continuous belay. This device is exclusively compatible with KOALA EQUIPMENT POULIZ pulley.

- The user selects his / her preferred obstacle by activating the mobile part of the swapper.  
- The instructor can condemn the crossing or oblige users to use a chosen crossing by blocking the mobile part with the pin. A bolt can replace the pin.

### Y 2.0 SWAPPER

REF : ME108-V2F



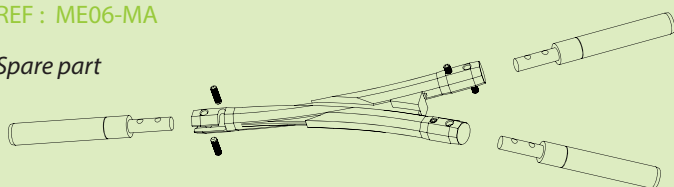
- The Y 2.0 SWAPPER allows users to choose between 2 directions without disconnecting from the continuous belay. This device is exclusively compatible with KOALA EQUIPMENT POULIZ pulleys 1.1, 2.0, 2.1,3.0 and 3.1 This device is not compatible with KOALA EQUIPMENT POULIZ 1.0 pulley nor with any other connectors.

- There are 2 ways of operating this type of swapper:  
1. The user chooses to follow the way ahead in alignment with the swapper, so he / she just pushes the pulley along normally.  
2. The user chooses to go the other way and therefore has to tilt the pulley so that it is upside down, then passes the pulley into the swapper and tilts it back the right way up once he / she is on the right path.

### REMOVABLE OLIVE

REF : ME06-MA

Spare part



Thanks to the 3 removable ferrules (page 25), the new Y 2.0 SWAPPER can be installed, removed and easily changed without cutting the wire ropes, in case of heavy wear.

It allows to :

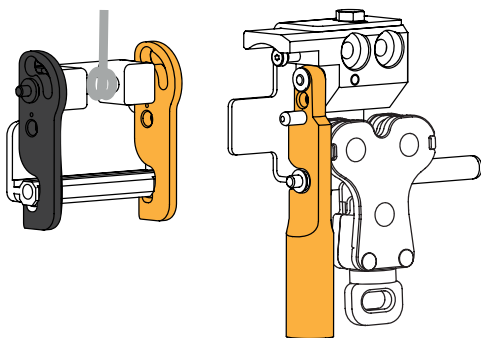
- create an escape route,
- offer an alternative route,
- Placed on each side of the tree on the platform, it enables to overtake and ease the flow.



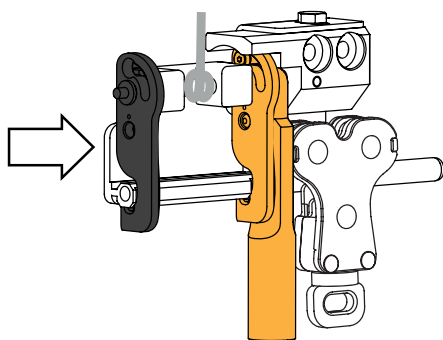


## SWITCH

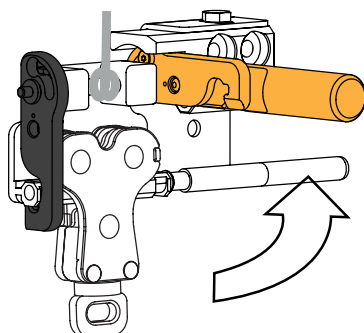
1



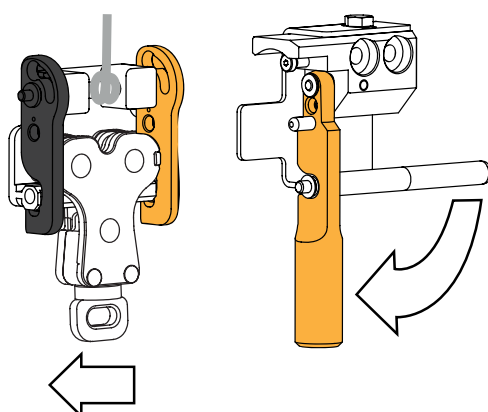
2



3



4



The SWITCH is a device composed of stations and a shuttle which guarantee KOALA EQUIPMENT continuous belay system continuity on :

- Vertical obstacles such as ladders, climbing walls, jumps into the void... requiring the use of fall arrester or descender.
- Swinging activities or pendulum jumps such as Tarzan swings,
- Any other obstacles requiring the use of a mobile anchor point.

Scan to see the usage video



### SWITCH STATION

REF : ME87-20FD RIGHT  
REF : ME87-20FG LEFT

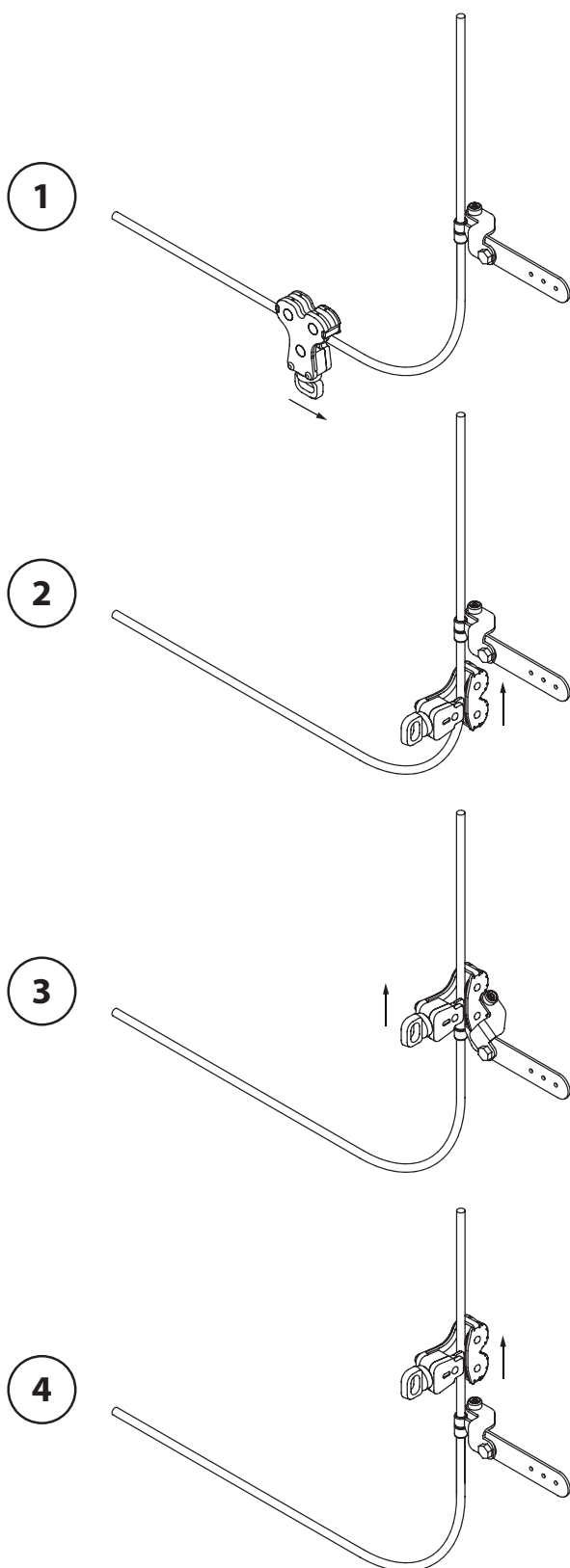


### SWITCH SHUTTLE

REF : ME86-F







CLIMB-UP, the new fall arrester for rigid vertical ladders.

- Simple to install on the side rails
- Easy to use for participants
- Adapted to KOALA EQUIPMENT continuous belay only
- Compatible with rigid vertical ladders only

Scan to see the usage video



**CLIMB-UP**

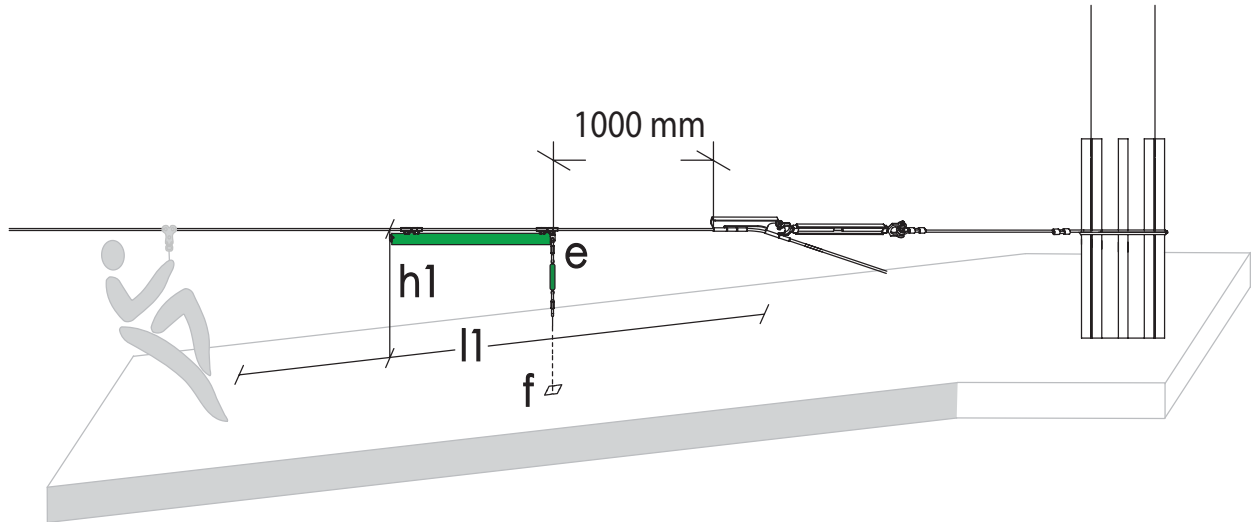
REF : ME208-F







## CONTINUOUS BELAY SYSTEM ZIP BRAKES



### ZIP BRAKE WITH ENERGY ABSORBER

REF : AC30-1000

Scan to see the  
usage video



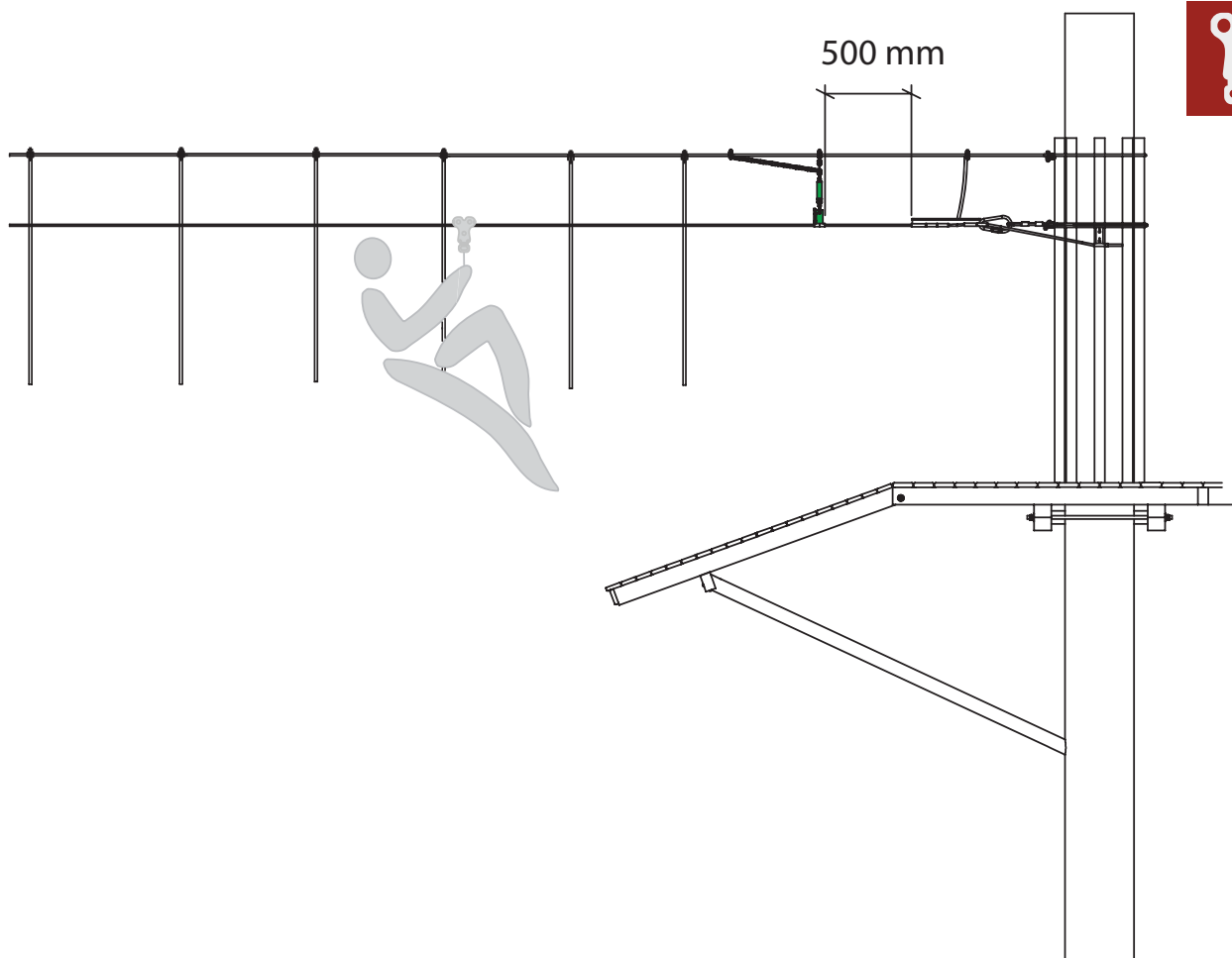
#### Function of the device

The brake stops users at the end of a zipline. It can be used as the main brake or as a secondary brake.

#### Instructions: (extract from the user manual «Installation, inspection, maintenance and instructions for use | Continuous belay stem KOALA EQUIPMENT)

Install the rope and the energy absorber (e) in the landing zone, ensure that the attachment point to the ground withstands at least 800 daN. You can use the anchor (f) to help. The brake must be 1 m (3'3.7») from the arm. The height h1 must be based on the length on the lanyards, the type of harness and whether it is a main or secondary brake. For example : a sit harness with 60 cm (47.11») lanyards and a secondary brake,  $h1 = 1.40$  m (55 in) when the wire rope is free of a load (without a user). In this case the part of the landing zone below the brake must serve as a shock absorber (shock absorbing material, padding...). The length l1 must be adapted to the speed and the users' weight. Fit the foam buffer onto the brake tube and onto the vertical rope. Check that the brake slides smoothly on the wire rope.





### TREE TON TREE ZIP EMERGENCY BRAKE WITH ENERGY ABSORBER

REF : AC26

Scan to see the  
usage video



- Emergency zip brake with absorber for tree to tree zipline for continuous belay system.
- Weight : 1.57 kg (2.2 in)



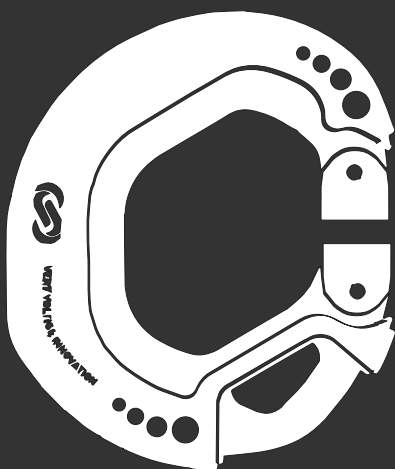








# CONTINUOUS BELAY SYSTEM WITH HOOK



> ADVENTURE PARK

> VIA FERRATA





## ADVENTURE PARK

### RUPT

REF : VE20



- This approach is used to create a break in the continuous lifeline for activities such as "Big Tarzan Jump" or "Quick Flight"
- Made of 3 pieces
- Made of stainless steel

### PACK T70

REF : VE19



- The T70 plates are used as entry and exit points of the course. They can also be used as intermediate points / via points
- In two parts : stainless steel and aluminium.
- 6 stainless steel bolts 10x25mm (0.39x0.98 in) for assembling.
- Working Load Limit WLL : 15 kN and breaking load : 33 kN
- For the set up: anchor on strap and quick link or on a cable loop
- Weight: 2.08 lbs / 0,945 kg

### PACK T

REF : VE17



- The T plates are used as entry and exit points of the course. They can also be used as intermediate points / via points
- In two parts : stainless steel and aluminium
- 6 stainless steel bolts 10x25mm (0.39 x 0.98 in) for assembling
- Working Load Limit WLL : 15 kN and breaking load : 33 kN
- Set up with anchor on strap and quick link or on a cable loop
- Weight: 2,08 lbs / 0,945 kg



### PACK 100+

REF : VE17



- Plate for long ziplines and obstacle
- In two parts : stainless steel and aluminium.
- Working Load Limit WLL : 30 kN and breaking load : 82 kN
- Set up with anchor on strap and shackle or on a cable loop
- 14 hot-dip galvanized bolts 10x30mm (0.39 x 1.18 in) for assembling
- Weight: 3,77 lbs / 1,710 kg-
- « Terminaisons en acier / Sécurité / Serre câbles à étriers en U »

### PACK 100

REF : VE16



- Anchor for ziplines shorter than 328 feet, as well as long activities
- In two parts : stainless steel and aluminum
- Working Load Limit WLL : 20 kN and breaking load : 38 kN
- Set up with anchor on strap and shackle or on a cable loop
- 8 hot-dip galvanized bolts 10x30mm (0.39 x 1.18 in) for assembling
- Weight : 2,43 lbs / 1,100 kg
- Poids : 0.945



## PACK 20

REF : VE15



- This system enables anchorage of obstacles that are below 65 feet - The conical shape makes the passage of the hook very intuitive
- In two parts : stainless steel and aluminium
- Working Load Limit WLL : 10 kN and breaking load : 27 kN
- Set up with anchor on strap and shackle or on a cable loop
- 6 hot-dip galvanized bolts 10x30mm (0.39 x 1.18 in) for assembling
- Weight : 1.54 lbs / 0,699 kg
- Jeu de 3 pièces
- En inox

## IPACK SINGLE

REF : VE14



- The Ipack Single are to be fixed onto the existing points. They are used to go up and down
- In two parts : stainless steel and aluminium
- 4 hot-dip galvanized bolts 10x30mm (0.39 x 1.18 in) for assembling
- Working Load Limit WLL : 20 kN and breaking load : 40 kN
- Set up with anchor using a screw on a wooden wedge, or a wire rope clip Ø12mm
- Weight: 0.89 lbs / 0,402 kg
- Poids : 6 kg pour une longueur de 10 m

## IPACK SANGLES

REF : VE13



- The Ipack strap holds the wire rope in place between two plates.
- It prevents the wire rope from rubbing against the tree.
- Working Load: 20 kN.
- Breaking strength : 40 kN.
- Installation: anchored on a strap.
- 4 hot-dip galvanized bolts 10x30mm (0.39 / 1.18 in) for assembling.
- Weight : 460 g (1,01 lb).

## IPACK 80°

REF : VE12



- It makes it possible to attach to wire ropes, beams and other different supports.
- In two parts: stainless steel and aluminium
- Working Load Limit WLL : 20 kN and breaking load : 40 kN
- Set up with anchor using coach screw on a wooden beam
- 4 hot-dip galvanized bolts 10x30mm (0.39 x 1.18 in) for assembling
- Weight: 1,02 lbs / 0,461 kg
- Poids : 0.376 Kg-
- « Terminaisons en acier / Sécurité / Serre câbles à étriers en U »
- Poids : 130 g

## IPACK 4 80°

REF : VE11



- It makes it possible to attach to wire ropes, beams and other different supports.
- In two parts: stainless steel and aluminium
- Working Load Limit WLL : 20 kN and breaking load: 40 kN
- Set up with an anchor using a screw on a wooden wedge
- 4 hot-dip galvanized bolts 10x30mm (0.39 x 1.18 in) for assembling
- Weight: 1,02 lbs / 0,461 kg-
- « Terminaisons en acier / Sécurité / Serre câbles à étriers en U »
- Poids : 130 g





## INOX 100

REF : VE10

- This stainless steel plate is used for obstacles and ziplines. Economical set up with wire rope clips. Possibility of assembling aluminium plates later on
- Working Load Limit WLL : 20 kN and breaking load : 60 kN
- Set up with anchor on a strap and shackle, or on a cable loop
- Weight: 1,36 lbs / 0,617 kg
- Poids : 6 kg pour une longueur de 10 m



## X-QUAD

REF : VE21

- This cross allows the creation of passing zones, junctions on variations as well as access to various zones and way out
- In two parts : stainless steel and aluminium
- Working Load Limit WLL : 30 kN and breaking load : 90 kN
- Set up with anchor on A.FIX and quick link
- Set up with 8 M6 screws
- Weight: 2,23 lbs / 1,010 kg
- Poids : 6 kg pour une longueur de 10 m



## OCHO MAX HOOK V WEARING

REF : VE06

- In case of a fall the hook will automatically lock.
- Interchangeable V wearing part.
- Integrated evacuation system.
- Integrated wear indicator.
- Interchangeable shockproof shell with plastic bi-injection.
- Breaking strength: 30 kN.
- Complies with EN 17109:2020 standard.
- EU type-examination certificate N°0082/2173/136/20/0445.
- Set up: make a lark's foot knot on the harness attachment point with the lanyard. Maillon rapide GO 8 mm PPE.
- Material : aluminium.
- Weight : 364 g (0,80 lb).



## SCORPIO LANYARD

REF : VE05

- Lanyard with energy absorber
- VERTIGO WIRE LOCK connector optional
- VIA 8E with optional swivel



## CROCHET OCHO MAX

REF : VE04



- In case of a fall the hook will automatically lock.
- Interchangeable V wearing part
- Integrated evacuation system
- Integrated wear indicator
- Interchangeable shockproof shell with plastic bi-injection
- Breaking strength : 30 kN
- Complies with EN 17109:2020 standard
- EU type-examination certificate N° 0082/2173/136/20/0445
- Set up: make a lark's foot knot on the harness attachment point with the lanyard. Maillon rapide GO 8 mm PPE
- Material : aluminium
- Weight: 0,80 lbs / 0.364 kg

## OCHO + HOOK

REF : VE03



- In case of a fall the hook will automatically lock.
- Interchangeable V wearing part
- Integrated wear indicator
- Interchangeable shockproof shell with plastic bi-injection
- Breaking strength : 30 kN
- Complies with EN 17109:2020 standard
- EU type-examination certificate N°0082/2173/136/01/009
- Set up: make a lark's foot knot on the harness attachment point with the lanyard. Maillon rapide GO 8 mm PPE
- Material: aluminium
- Weight: 0,80 lbs / 0.364 kg
- Poids : 0.364 Kg
- « Terminaisons en acier / Sécurité / Serre câbles à étriers en U »
- Poids : 130 g

## OCHO HOOK

REF : VE02



- In case of a fall the hook will automatically lock
- Integrated wear indicator
- Integrated evacuation system
- Interchangeable shockproof shell with plastic bi-injection
- Breaking strength : 30 kN
- Complies with EN 17109:2020 standard
- EU type-examination certificate N° 0082/2173/136/09/0443
- Set up: make a lark's foot knot on the harness attachment point with the lanyard. Maillon Rapide GO 8mm PPE
- Material : aluminium
- Weight: 0,80 lbs / 0.363 kg-
- Poids : 0.364 Kg
- « Terminaisons en acier / Sécurité / Serre câbles à étriers en U »
- Poids : 130 g

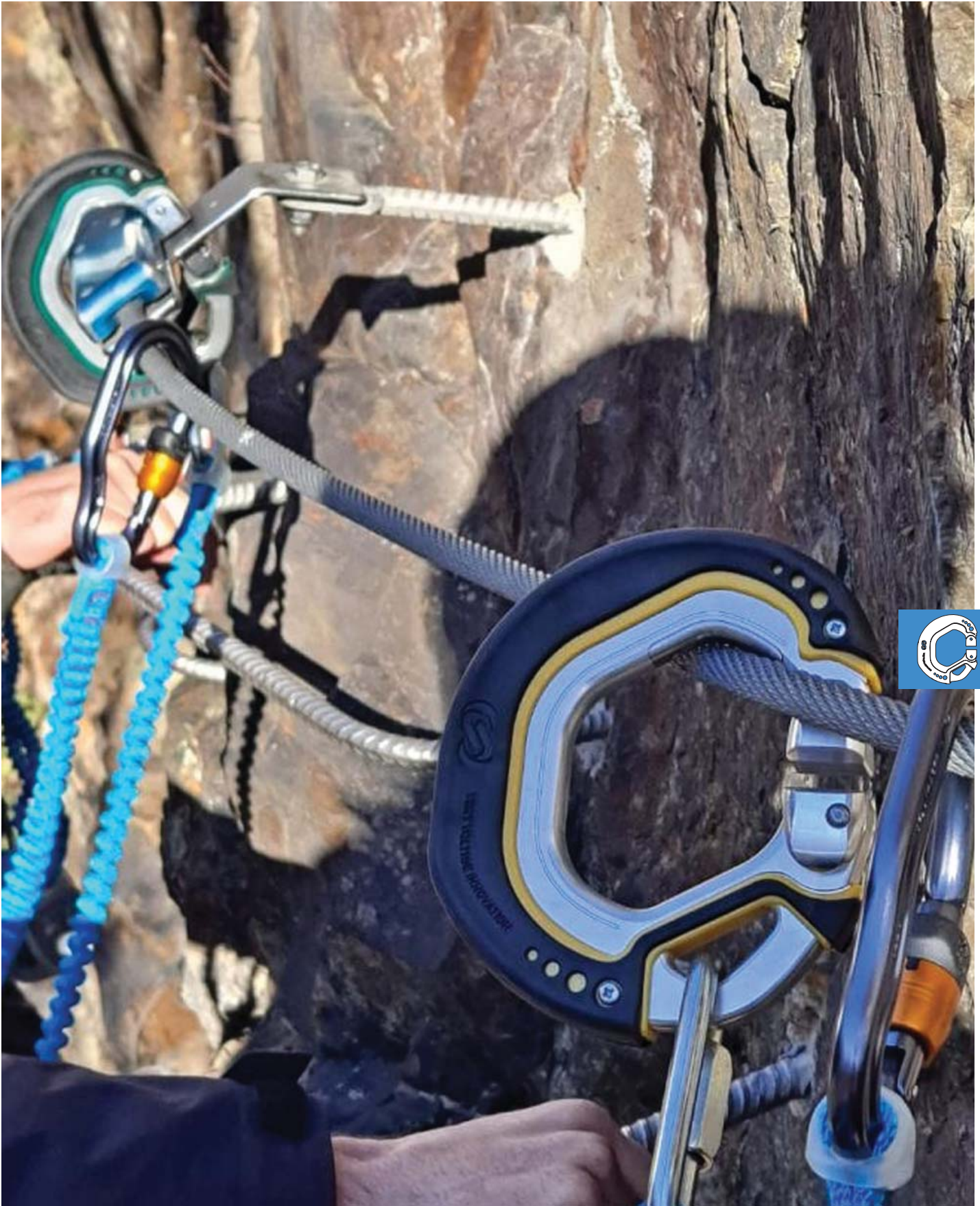
## CLASSIC HOOK

REF : VE01



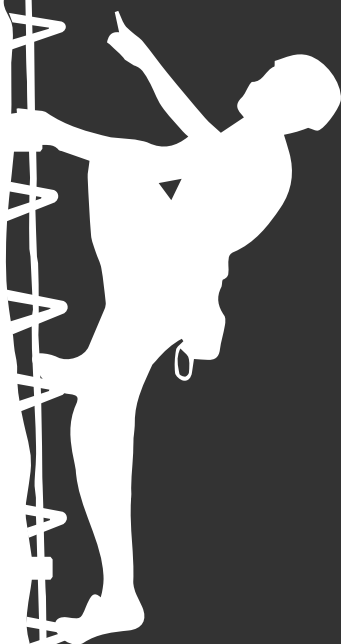
- Breaking strength big axle : 25 kN ; small axle 12 kN
- Complies with EN 17109:2020 standard
- EU type-examination certificate N° 0082/2173/136/15/0088
- Set up: make a lark's foot knot on the harness attachment point with the lanyard. Maillon Rapide GO 8mm PPE
- Material : aluminium
- Weight: 0,56 lbs / 0,255 kg







# VIA FERRATA



> X-QUAD

> NEWVIA

> PACK 100 +

> IPACK

> CALE

> STOP

> A-FIX





## X-QUAD

REF : VE21



- This cross allows the creation of passing zones, junctions on variations as well as access to various zones and way out
- In two parts : stainless steel and aluminum
- Working Load Limit WLL : 30 kN and breaking load : 90 kN
- Set up with anchor on A.FIX and quick link
- Set up with 8 M6 screws
- Weight: 2,23 lbs / 1,010 kg
- Poids : 6 kg pour une longueur de 10 m

## NEWVIA

REF : VE34



- This system enables you to use closed via ferrata pins. Fast equipment on existing points
- In two parts: stainless steel and aluminium
- 6 hot-dip galvanized bolts 10x30 mm (0.39 x 1.18 in) for assembling
- Working Load Limit WLL : 20 kN and breaking load : 40 kN
- Set up on any existing point with a wire rope clip
- Weight: 1,94 lbs / 0,878 kg

## NEWVIA 80°

REF : VE35



- This 80° square enables you to create points on the via ferrata. Two anchor points
- In two parts : stainless steel and aluminium
- 6 hot-dip galvanized bolts 10x30 mm (0.39 x 1.18 in) for assembling
- Working Load Limit WLL : 20 kN and breaking load : 40 kN
- Set up using two 12 or 14mm spits with chemical seal if required by the rock
- Weight: 2,71 lbs / 1,229 kg



## PACK 100+

REF : VE17



- Plate for long ziplines and obstacles more than 100m
- In two parts: stainless steel and aluminum
- Working Load Limit WLL : 30 kN and breaking load : 82 kN
- Set up with anchor on pin, lifting eye and shackle
- 14 hot-dip galvanized bolts 10x30 mm (0.39 x 1.18 in) for assembling
- Weight: 3,77 lbs / 1,710 kg
- Poids : 6 kg pour une longueur de 10 m

## IPACK SINGLE

REF : VE14



- The Ipack Single allow to use the existing points in order to switch to continuous lifeline
- In two parts : stainless steel and aluminium
- 4 hot-dip galvanized bolts 10x30 mm (0.39 x 1.18 in) for assembling
- Working Load Limit WLL : 20 kN and breaking load: 40 kN
- Set up : adaptable on existing points with bolts
- Weight: 0.89 lbs / 0.402 kg
- Poids : 6 kg pour une longueur de 10 m



## IPACK 80°

REF : VE12



- This system allows the creation of intermediate points, on quality rock
- In two parts: stainless steel and aluminum
- Working Load Limit WLL : 20 kN and breaking load : 40 kN
- Set up with 12 or 14mm spit and chemical seal if required by the rock
- 4 hot-dip galvanized bolts 10x30 mm (0.39 x 1.18 in) for assembling
- Weight: 1,02 lbs / 0,461 kg
- Poids : 0.376 Kg
- « Terminaisons en acier / Sécurité / Serre câbles à étriers en U »
- Poids : 130 g

## IPACK 4 80°

REF : VE11



- This system allows implantation on all types of open pins. A wedge is available for adaptation on certain models of open pins
- In two parts: stainless steel and aluminum
- Working Load Limit WLL : 20 kN and breaking load : 40 kN
- Set up : adaptable on existing points with bolts
- 4 hot-dip galvanized bolts 10x30 mm (0.39 x 1.18 in) for assembling
- Weight: 1,02 lbs / 0,481 kg-
- « Terminaisons en acier / Sécurité / Serre câbles à étriers en U »
- Poids : 130 g

## WEDGE

REF : VE33



- The stainless steel wedge enables the set lpacks on open pins of all types.
- Working Load Limit WLL : 20 Kn and breaking load : 40 Kn
- Weight: 0,11 lbs / 0.049 kg-
- « Terminaisons en acier / Sécurité / Serre câbles à étriers en U »
- Poids : 130 g

## STOP

REF : VE32



- The stop protects the hook and Packs when equipment is installed on tensioned wire rope. The impact between the connector and the plate is therefore limited
- Material: rubber-
- « Terminaisons en acier / Sécurité / Serre câbles à étriers en U »
- Poids : 130 g

## A.FIX

REF : VE30



- This stainless steel system allows to set staggered points on the via ferrata. It is compatible with Xquad to create enough space for the passage of the hook
- Bend angle: 45°
- Set up using two 12 mm (0.47 in) or 14 mm (0.55 in) spits with chemical sealant if the rock requires it
- Weight: 0,93 lbs / 0.423 kg
- Poids : 0.423 Kg -
- « Terminaisons en acier / Sécurité / Serre câbles à étriers en U »
- Poids : 130 g



## OCHO + HOOK

REF : VE03



- In case of a fall the hook will automatically lock.
- Interchangeable V wearing part
- Integrated wear indicator
- Interchangeable shockproof shell with plastic bi-injection
- Breaking strength: 30 kN
- Complies with EN 17109:2020 standard
- EU type-examination certificate N°0082/2173/136/01/009
- Set up: make a lark's foot knot on the harness attachment point with the lanyard. Maillon rapide GO 8 mm (0.31 in) PPE.
- Material: aluminum
- Weight: 0,80 lbs / 0,364 kg

## SCORPIO LANYARD

REF : VE05



- Lanyard with energy absorber
- VERTIGO WIRE LOCK connector optimal connector
- VIA 8E with optional swivel









# WIRE ROPES & ACCESSORIES

**> GENERAL INFORMATION**

**> WIRE ROPES**

**> WIRE ROPE ACCESSORIES**

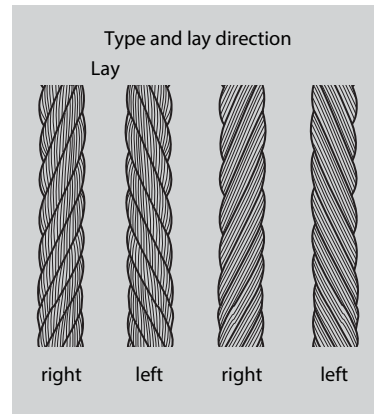
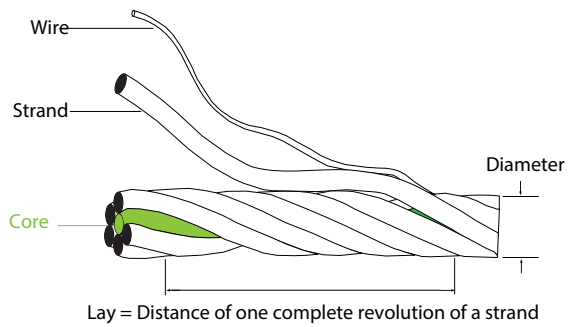
**> TOOLS**

**> HARDWARE**

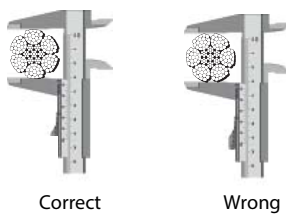




## GENERAL INFORMATION



### Measuring the diameter



### Interpreting wire rope information

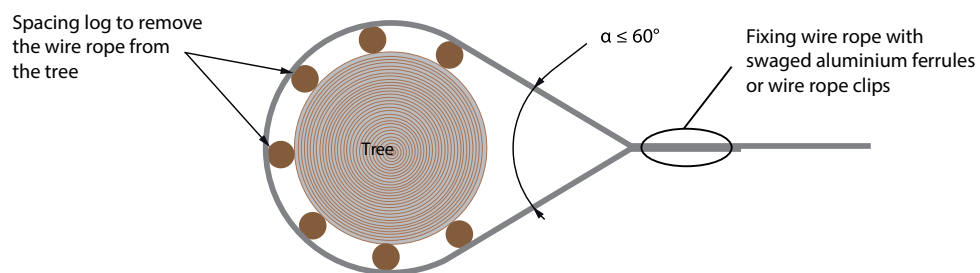
Ø12 mm 6 x 26 AM  
(0.47 in)

Number of strands

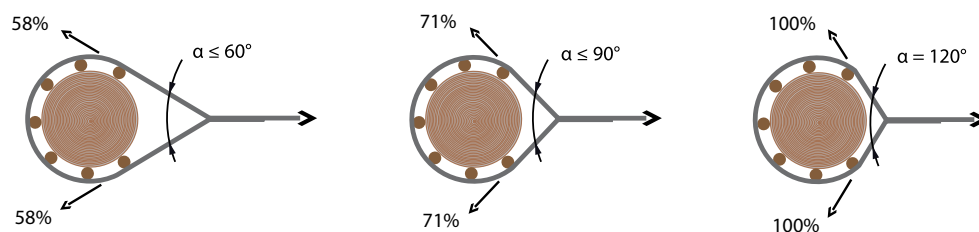
26 wires per strand

Wire strand core

## INSTALLING A WIRE ROPE

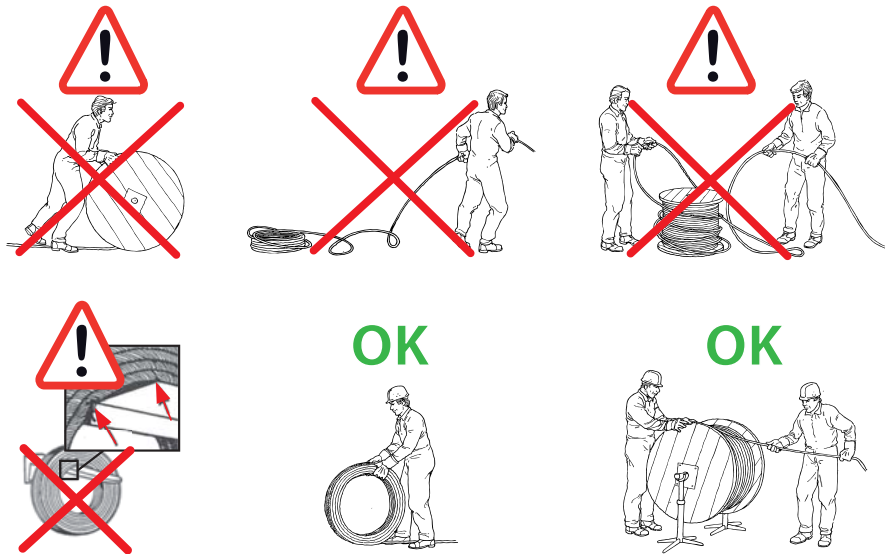


## ANGLES & FORCES

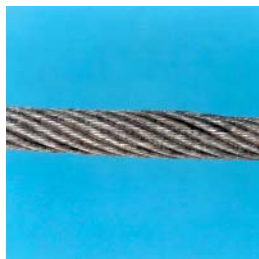




## TRANSPORT & UNWINDING OF WIRE ROPES



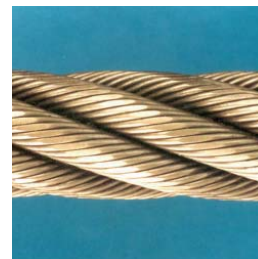
## SOME EXAMPLES OF DEFAULT



Increase in diameter  
due to the extrusion  
of the core



Kink



External wear



Broken wires



Reduction in wire  
rope diameter  
(hollowstand)

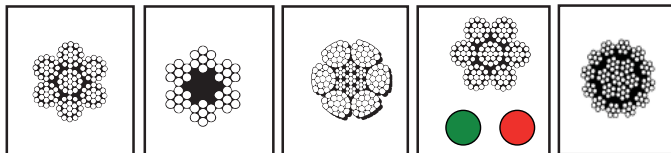


Broken wires in  
the grooves





## WIRE ROPES



### USE

LIFELINE					
ZIPLINE					
OBSTACLE SUPPORTING WIRE ROPE					
BRACE CABLE					
HANDRAIL					
SAFETY LOOP					

### TECHNICAL INFORMATION

CORE	Wire strand core	Fiber core	Wire strand core	Wire strand core	Wire strand core
STRAND RESISTANCE	1770 N / mm <sup>2</sup>	1770 N / mm <sup>2</sup>	2160 N / mm <sup>2</sup>	1770 N / mm <sup>2</sup>	1960 N / mm <sup>2</sup>
MIN. BREAKING LOAD	110 kN	110 kN	142 kN	60 kN	94 kN
MAX. WORKING LOAD	22 kN	22 kN		12 kN	19 kN
SAFETY FACTOR	5	5	5	5	5



**7 x 19 WSC GALVANIZED WIRE ROPE Ø12 mm (Ø 0.47in)**

REF : CA04

REF : CA04-B100  
100 m (3937 in) (328 ft)  
REEL

REF : CA04-B250  
250 m (9842 in) (820 ft)  
REEL

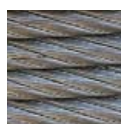


**6 x 7 FC LANG'S LAY GALVANIZED WIRE ROPE Ø12 mm (Ø 0.47in)**

REF : CA05

REF : CA05-B250  
250 m (9842 in) (820 ft)  
REEL

REF : CA05-B500  
500 m (19685 in) (1640 ft)  
REEL

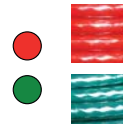


**6 x 26 WSC GALVANIZED SWAGED WIRE ROPE IWRC Ø12 mm (Ø 0.47in)**

REF : CA12

REF : CA12-B250  
250 m (9842 in) (820 ft)  
REEL

REF : CA12-B500  
500 m (19685 in) (1640 ft)  
REEL



**7 x 19 WSC Ø12 mm RED PLASTIC COATED WIRE ROPE Ø10 mm INT (Ø 0.39 in) / 12 mm (Ø 0.47in) EXT**

REF : CA01  
RED | CUT TO SIZE

REF : CA01-B200  
RED | 200 m (7874in) (656 ft) REEL

REF : CA02  
GREEN | CUT TO SIZE

REF : CA02-B200  
GREEN | 200 m (656 ft) REEL



**19x7 WSC ROTATION RESISTANT GALVANIZED WIRE ROPE Ø12mm (Ø 0.47in)**

REF : CA11-B250  
250 m (9842 in) REEL





## WIRE ROPE ACCESSORIES



### Ø12 mm (0.47 in) SWAGED THIMBLED WIRE ROPE 2 SOLID THIMBLES

REF : CA07-10 CUT TO SIZE

- Can resist tensions above 6000 daN : the wire rope thimbles doesn't deform under high tension
- Ø12 mm 7x19 WSC
- 2 swaged solid thimbled ends
- Length : cut to size | Up to 10 m (33 ft)
- Weight : 5 kg (11 lbs) for 7 m (23 ft)



### Ø12 mm (0.47 in) SWAGED THIMBLED WIRE ROPE 1 SOLID THIMBLE

REF : CA08-10 CUT TO SIZE

- Can resist tensions above 6000 daN
- Ø12 mm 7x19 WSC (Galvanized wire rope sling)
- 1 swaged solid thimbled end
- 1 free end
- Length : cut to size | Until 10 m (33 ft)
- Weight : 6 Kg (13 lbs) for 10 m (33 ft)



### Ø12 mm (0.47 in) SWAGED THIMBLED WIRE ROPE 2 THIMBLES

REF : CA06-10 CUT TO SIZE

- For tensions below 6000 daN
- Ø12 mm 7x19 WSC (Galvanized wire rope sling)
- 2 swaged thimbled ends
- Length : cut to size | Up to 10 m (33 ft)
- Weight : 4.6 kg (10 lbs) for 7 m (23 ft)



### WIRE ROPE CLIP « CE » FOR Ø12 mm (0.47 in) WIRE ROPE

REF : QU130-12

- Hot drop forged wire rope clip
- Compliant with European Standard EN 13411-5
- « Steel ends / Security / U-shaped wire rope clip »
- Weight : 130 g (0.3 lbs)



### WIRE ROPE CLIP « DIN 741 » FOR Ø12 mm (0.47 in) WIRE ROPE

REF : QU52-13

- Zinc plated wire rope clip DIN 741
- Weight : 122 g (0.3 lbs)





### **SOLID ROPE THIMBLE S412-1/2**

REF : QU013

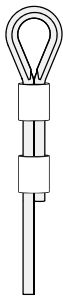
- Allows 16 insert a connector and expert a strong tension on the wire rope
- For Ø12 mm (0,47 in) wire rope
- Weight : 270 g (0.6 lbs)



### **Ø12 mm WIRE ROPE THIMBLE**

REF : QU01-12L

- For Ø 12 mm (0,47 in) wire rope
- Weight : 80 g (0.2 lbs)



### **ALUMINIUM FERRULE N°13 FOR SWAGING 2 Ø12 mm WIRE ROPES**

REF : QU036-13

- To attach 2 wire ropes together
- Aluminium ferrule Ø int : ½" in
- To crimp with crimping tool REF : OU01-42CFM
- Weight : 60 g (0.1 lbs)



### **2 CLEVIS TURNBUCKLE HR**

REF : QU055-305 STROKE 305 mm (12 in)  
REF : QU055-457 STROKE 457 mm (18 in)

- Installed at the end of the zipline, to adjust zipline rope tension
- Threaded rod Ø : 22.2 mm (Ø 7/8 in)
- WLL : 3.27 t
- Weight : 4.3 kg (9.5 lbs) and 4.9 kg (10.8 lbs)





## TOOLS



### ELECTRO-HYDRAULIC CRIMPING TOOL - 120 kN (KLAUKE)

REF : OU01-42CFM TO PURCHASE  
REF : OU03 FOR RENT

- Crimping tool for swaging lifeline ferrules, aluminium and copper ferrules
- 2 speed hydraulic pump with fast-forward, automatic return after crimping, manual return if needed
- Power : 120 kN
- Included : 1 battery (Lithium ion 18 V) MAKITA
- To be used with a pair of dies adapted to the wire rope / not included
- Weight : 13 kg (28.7 lbs)



### BATTERY FOR KLAUKE CRIMPING TOOL (MAKITA)

REF : OU10-5A

- Fast battery charger
- 18 V / 5 A
- Weight : 640 g (1.4 lbs)



### BATTERY CHARGER DC18RA - 18V (MAKITA)

REF : OU11

- 18 V
- Weight : 950 g (2.1 lbs)

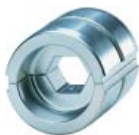


### HAND-OPERATED HYDRAULIC CRIMPING TOOL 120 kN

REF : OU05-HK12042

- Crimping tool for manually swaging lifeline ferrules, aluminium and copper ferrules
- Power : 120 kN
- To be used with a pair of dies adapted to the wire rope / not included
- Weight : 9.3 kg (20.5 lbs)





**PAIR OF DIES « 13 / 95 » - MONOCABLE FERRULE Ø12 mm (Ø 0.47 in)**

REF : OU02-1395 FOR CONTINUOUS BELAY SYSTEM FERRULES  
- Weight : 220 g (0.5 lbs) | Price per pair

**PAIR OF DIES « 13 / 120 » - MONOCABLE FERRULE Ø½" in**

REF : OU02-13120US FOR CONTINUOUS BELAY SYSTEM FERRULES  
- Weight : 226 g (0.5 lbs) | Price per pair



**PAIR OF DIES « 13 / 235 » - FOR ALUMINIUM FERRULES ON DOUBLE WIRE ROPE Ø12 mm (Ø 0.47 in)**

REF : OU02-13235  
- Weight : 220 g (0.5 lbs) | Price per pair



**IZUMI S-20 MANUAL HYDRAULIC CUTTER**

REF : OU08  
- Weight : 2.8 kg (6.2 lbs)



**IZUMI S-20 BLADE FOR MANUAL CUTTER**

REF : OU09  
- Weight : 37 g (0.1 lbs)



**FLAT WEB SLING EYE**

REF : OU15-150 FLAT WEB SLING EYE & EYE SWL 20kN  
- Length 1.5m (4'11") | Weight : 570 g (1.3 lbs)

REF : OU15-300 FLAT WEB SLING EYE & EYE SWL 20kN  
- Length 3m (9'10") | Weight : 1 kg (2.2 lbs)



**CABLE PULLER OR « GRENOUILLE »**

REF : OU06-LMG1 LMG1

- For wire rope Ø5-15 mm (Ø 0.2-0.6 in)  
- Load 20 kN | Weight : 1.62 kg (3.6 lbs)

REF : OU06-LMG2 LMG2

- For wire rope Ø8-20 mm (Ø 0.3-0.8 in)  
- Load 30 kN | Weight : 2.9 kg (6.4 lbs)





### LEVER HOIST

REF : OU14-250 250 kg (551 lbs) ELEPHANT / Weight : 2.15 kg (4.8 lbs)

REF : OU14-750 750 kg ÉLEPHANT / Poids : 3.50 kg

REF : OU14-1600 1600 kg (3527 lbs) ELEPHANT / Weight : 9.50 kg (21 lbs)

- ELEPHANT lever hoist specially designed for the tensioning of ziplines and heavy load handling



### PIEZO EXPRESS BLOW TORCH 8900

REF : OU17

- Open and adjust the gas flow
- Piezo ignition and locking plate
- Weight : 630 g (1.4 lbs)
- Sold without gas cartridge
- Great autonomy (1h15)



### RATCHET PODGER SPANNER - 17 mm (0.67 in) and 19 mm (0.75 in)

REF : OU26-17 19

- Double wrench, ratchet
- Reversible right / left
- Weight : 475 g (1.1 lbs)



### FACOM DRIFT PUNCH - 4 MM (0,2 IN)

REF : OU12

- Diameter : 4 mm (0.15 in)
- Weight : 60 g (0.1 lbs)



### THREADLOCKER LOCTITE 243 - MEDIUM STRENGTH - 5 ML

REF : CS17-243 05

- Prevents loosening on vibrating connections
- Works on all metals, including passive substrates (e.g. stainless steel, aluminium, plated surfaces)
- P1 NSF Reg. No.: 123000
- Color : Blue
- Weight : 5 g (0.01 lbs)



### THREADLOCKER LOCTITE 270 - STRONG STRENGTH - 5 ML

REF : CS17-270 05

- High-strength general threadlocker for maximum efficiency
- Prevents loosening on vibrating connections
- Works on all metals, including passive substrates (e.g. stainless steel, aluminium, plated surfaces)
- P1 NSF Reg. No.: 123006
- Color : Green
- Weight : 5 g (0.01 lbs)





## HARDWARE



### THREADED ROD

REF : QU57-12X1000 Ø M12 x 1 m ( Ø 3.3 ft) / Classe : 4.8  
REF : QU57-18X1000 Ø M18 x 1 m ( Ø 3.3 ft) / Classe : 4.8  
REF : QU58-18X1000 Ø M18 x 1 m ( Ø 3.3 ft) / Classe : 8.8  
REF : AC10-1500 Ø M18 (Ø 0.7 in) x 1.50 m (4.9 ft) WITH ACCESSORIES

- Fully threaded



### WELDED CHAIN Ø6 x 42 mm (Ø 0.2 x 1.7 in)

REF : QU09

- Weight : 620 g (1.4 lbs)  
- Galvanized steel



### M10 ZINC PLATED FEMALE LIFTING EYE

REF : QU04-10

- WLL : 230 kg (507 lbs).  
- Eye internal diameter : 25 mm (0,98 in).  
- Eye external diameter : 45 mm (1,77 in).  
- Weight : 95 g (0,21 lb)..



### BOW SHACKLE BOLT

REF : QU112-325 WORKING WLL : 32.5 kN  
REF : QU112-475 WORKING WLL : 47.5 kN  
REF : QU112-650 WORKING WLL : 65 kN

- Crosby® Bow shackle bolt and pin type G21300C with thin bolt head and pin nut  
- Complies with the Federal Specification RR-C-271D Type IVA, Grade A, Class 3  
- High strength alloy steel



### 2 EYE TURNBUCKLE

REF : QU053-08 Ø8 mm (Ø 0.3 in)  
REF : QU053-12 Ø12 mm (Ø 0.5 in)





## WHITE BUNGEE CORD - PRICE PER METER (SANDOW)

REF : QU56

- Anti-UV treatment.
- Highly weather resistant.
- 100% natural latex core.
- Slings capacity : 140%.
- Colour : white.
- Ø8 mm (0,31 in).
- Weight : 66 g/m (0,14 lb for 3,28 ft).



## GALVANIZED STEEL CLAMP Ø125 mm (Ø 4.92 in)

REF : PR16-GAL FOR PVC TUBE Ø125 mm (4.92 in)

- Internal diameter : Ø160mm (Ø 6.29 in)
- External diameter : Ø220mm (Ø 8.66 in)
- Weight : 45 g (0.1 lbs)



## REINFORCED CLEAR HOSE ØINT 22 mm (0.9 in) ØEXT 16 mm (0.6 in)

REF : PR20-45 LENGTH : 45 cm (17.71 in)

REF : PR20-65 LENGTH : 65 cm (25.59 in)



## Ø12 MM (0,47 IN) «COEUR» BOLT HANGER (PETZL)

REF : P36AS 12-U

- the wide, ergonomic connection hole facilitates carabiner clipping.
- the width of the hole allows installation of two carabiners at the same time.
- Available for 12 mm (0,47 in) bolts.
- Certification(s): EN 795 A.
- Weight : 43 g (0,09 lb).







# OBSTACLES

> PLATFORM

> HORIZONTAL OBSTACLES

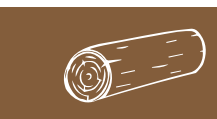
> VERTICAL OBSTACLES

> INFORMATION PANELS





## PLATFORM



### **OCTOGONAL PLATFORM - 1.68 m (5'6") PRE-ASSEMBLED**

REF : AC80

- 2 pre-assembled parts to be fitted together
- Cl.4 treated pinewood
- Delivered with 2 beams, 2 joists, 2 threaded rods, nuts, bolts, screw washers, nails, coach bolts and screws





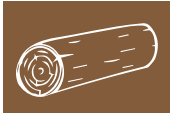
## HORIZONTAL OBSTACLES



### ZIGZAG PLANK

REF : BO13-ZZ 1 m (39.37 in) ZIGZAG PLANK  
 REF : AC43 1 m (39.37 in) COMPLETE ZIGZAG PLANK

- To be fixed on 2 wire ropes
- Cl.4 treated pinewood planed on 4 sides, 2 chamfers, 4 drillings
- Size : 12 x 100 x 2.7 cm (4.7 x 39.4 x 1.06 in)



### PLANK

REF : BO10-350 35 cm (13.8 in) PLANK  
 REF : BO11-600 60 cm (23 in) PLANK  
 REF : AC41 35 cm (13.8 in) COMPLETE PLANK  
 REF : AC42 60 cm (23 in) COMPLETE PLANK

- To be fixed on 2 wire ropes
- Cl.4 treated pinewood planed on 4 sides, 2 chamfers, 4 drillings



### MONTALIVET CROSSING STEP

REF : AC76

- To be fixed on 2 wire ropes 50 cm (19.68 in) apart
- Made out of Cl.4 treated pinewood planks



### STEPPING STONE 60 cm x 1 m (23.62 x 39.37 in) + 4 ROPES

REF : AC21-1 WITHOUT ROPES  
 REF : AC21-2 WITH 1.15 m (3'9") ROPES  
 REF : AC21-3 WITH 2.10 m (6'10") ROPES  
 REF : AC21-4 ROPES CUT TO SIZE

- 60 cm x 1 m (2 x 3.3 ft) Cl.4 treated pinewood



### PLANK CROSSING STEP - 60 cm x 1 m (23.62 x 39.37 in) ON WIRE ROPES

REF : AC15-1 WITHOUT FIXING ACCESSORIES  
 REF : AC15-2 WITH FIXING ACCESSORIES

- To be fixed on 2 wire ropes 50 cm (19.7 in) apart
- Cl.4 treated pinewood planed on 4 sides, 2 chamfers, 8 drillings





### FLYING CARPET 60 cm x 1.68 m (2 x 5.1 ft) + 6 ROPES

REF : AC56-1 WITHOUT ROPES  
 REF : AC56-2 WITH 1.15 m (3'9") ROPES  
 REF : AC56-3 WITH 2.10 m (6'10") ROPES  
 REF : AC56-4 ROPES CUT TO SIZE

- 60 cm x 1.68 m (23.62 x 39.37 in) Cl.4 treated pinewood

### PLANK CROSSING 60 cm x 1.68 m (23.62 x 39.37 in) ONE WIRE ROPES

REF : AC25-1 WITHOUT FIXING ACCESSORIES  
 REF : AC25-2 WITH FIXING ACCESSORIES

- To be fixed on 2 wire ropes 50 cm (19.68 in) apart  
 - Cl.4 treated pinewood planed on 4 sides, 2 chamfers, 12 drillings



### SUSPENDED LOG 3 m (118.11 in) + 2 ROPES

REF : AC23-1 WITHOUT ROPES  
 REF : AC23-2 WITH 1.60 m (3'9") ROPES  
 REF : AC23-3 WITH 2.10 m (6'10") ROPES  
 REF : AC23-4 ROPES CUT TO SIZE

- Ø8 cm x 3 m (Ø 3.14 x 118.11 in) Cl.4 treated pinewood, 2 x Ø11 mm (0.4 in) drillings



### SUSPENDED LOG 3 m (9.8 ft) + 4 ROPES

REF : AC18-1 WITHOUT ROPES  
 REF : AC18-2 WITH 1.15 m (3'9") ROPES  
 REF : AC18-3 WITH 2.10 m (6'10") ROPES  
 REF : AC18-4 ROPES CUT TO SIZE

- Ø8 cm x 3 m (Ø 3.14x 118.11 in) Cl.4 treated pinewood, assembled with 4 eye bolts



### TRAPEZE LOG - 60 cm (2 ft) + 2 ROPES

REF : BO24-1 WITHOUT ROPES  
 REF : AC19-2 WITH 1.15 m (39.37 in) ROPES  
 REF : AC19-3 WITH 2.10 m (78.74 in) ROPES  
 REF : AC19-4 ROPES CUT TO SIZE

- Ø8 cm x 60 cm (Ø 3.14 x 23.62 in) Cl.4 treated pinewood, 2 x Ø11 mm (Ø 0.4 in) drillings





### SHERWOOD STEP 30 x 30 cm (11.81 x 11.81 in) + 1 ROPE

REF : AC22-1 WITHOUT ROPE  
 REF : AC22-3 WITH 2.10 m (6'10") ROPE  
 REF : AC22-4 ROPE CUT TO SIZE

- 30 cm x 30 cm (1 x 1 ft) Cl.4 treated pinewood



### YAMAZOE STEP 60 x 60 cm (23.62 x 23.62 in)

REF : AC33-1 WITHOUT FIXING ACCESSORIES  
 REF : AC33-2 WITH FIXING ACCESSORIES

- To be fixed on 2 wire ropes 50 cm (19.7 in) apart  
 - Cl.4 treated pinewood planed on 4 sides, 4 drillings



### CHESS CROSSING STEP

REF : AC54-1 WITHOUT FIXING ACCESSORIES  
 REF : AC54-2 WITH FIXING ACCESSORIES

- To be fixed on 2 wire ropes 25 cm (9.84 in) apart  
 - Cl.4 treated pinewood planed on 4 sides, 4 drillings



### SUSPENDED CROSS WITH 4 ROPES

REF : AC55-2 1.15 m (3'9") ROPES  
 REF : AC55-3 2.10 m (6'10") ROPES

- Cl.4 treated pinewood



### CROSS 75 x 75 cm (29.52 x 29.52 in)

REF : AC51-1 WITHOUT FIXING ACCESSORIES  
 REF : AC51-2 WITH FIXING ACCESSORIES

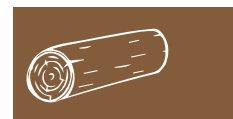
- To be fixed on 2 wire ropes 50 cm (19.68 in ) apart  
 - Cl.4 treated pinewood planed on 4 sides, 2 chamfers, 8 drillings



### MINI CROSS

REF : AC46-1 WITHOUT FIXING ACCESSORIES  
 REF : AC46-2 WITH FIXING ACCESSORIES

- To be fixed on 2 wire ropes 25cm (9.84 in) apart  
 - Cl.4 treated pinewood planed on 4 sides







### « U » ROPE

REF : CO10-C220 2.20 m (7'3") ROPE  
 REF : CO10-C420 4.20 m (13'9") ROPE  
 REF : CO10-C ROPE CUT TO SIZE

- To be placed directly onto the obstacle supporting wire rope



### « JAMOR » PINE LOG Ø8 x 35 cm (Ø 3.14 x 13.77 in)

REF : AC34

- Cl.4 treated pinewood, assembled with 2 eye bolts
- Size : Ø 8 x 35 cm (Ø 3.14 x 13.77 in)

### SPACING LOG



REF : BO25-350 Ø8 x 35 cm (Ø 3.14 x 13.77 in) SPACING LOG  
 REF : BO25-600 Ø8 x 60 cm (Ø 3.14 x 23.62 in) SPACING LOG  
 REF : BO28-500 Ø12 x 50 cm (Ø 4.72 x 19.68 in) SPACING LOG

- Allows space between 2 wire ropes
- Cl.4 treated pinewood, 2 x Ø18 mm (0.7 in) drillings



### BALANCE LOG

REF : BO29-5000 LENGTH : 5 m (16'5")  
 REF : BO29-6000 LENGTH : 6 m (19'8")

- Log to be fixed between 2 platforms, Cl.4 treated pinewood
- Size : Ø14 cm x 5 m (Ø 5.51 x 196.85 in) or Ø14 cm x 6 m (Ø 5.51 x 236.22 in)



### CROSSING WALL BOARD

REF : AC69

- Size : 1.20 x 2.50 m (3' 11" x 8' 2")
- With climbing holds
- Cl.4 treated pinewood
- Weight : 60 kg (132.3 lbs)





## Ø0,80 M (31,50 IN) X 2,50 M (8,20 FT) TUNNEL

REF : AC27-2500

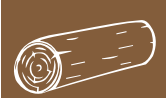
- To be suspended from a wire rope
- Standard length : 2.50 m (8'2")
- Cl.4 treated pinewood
- Can be cut to size
- Delivered as a DIY kit or assembled



## TUNNEL FIXING KIT

REF : AC66

- Connects the tunnel support wire rope to the high support wire rope



## SKATEBOARD MOUNTED ON 4 PULLEYS

REF : AC47

- Skateboard with 4 pulleys instead of wheels
- Space between pulleys : 20 cm (7.87 in)



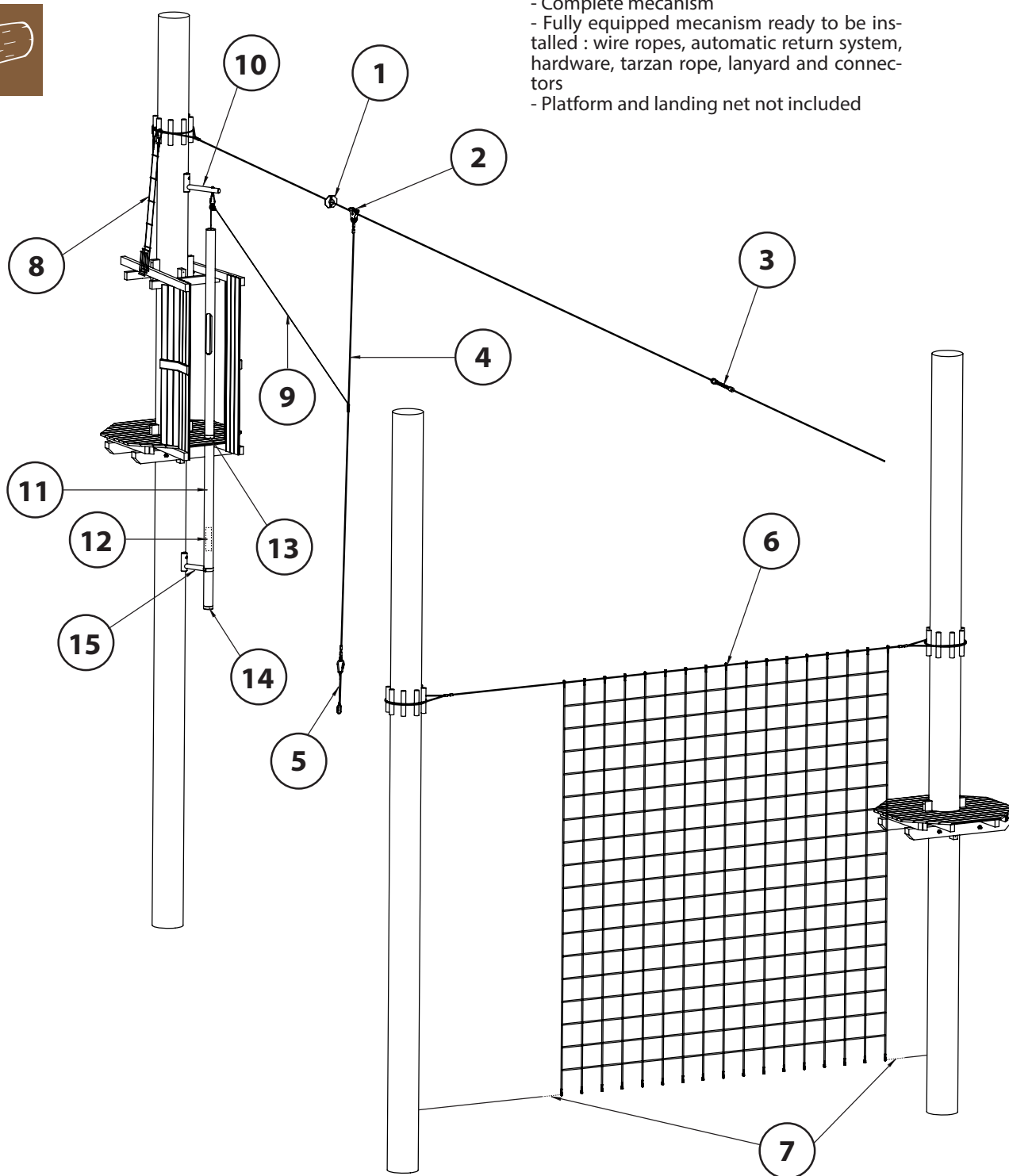


## VERTICAL OBSTACLES

### TARZAN SWING

REF : AC28 SMALL TARZAN SWING  
REF : AC29 BIG TARZAN SWING

- Complete mecanism
- Fully equipped mecanism ready to be installed : wire ropes, automatic return system, hardware, tarzan rope, lanyard and connectors
- Platform and landing net not included





1



### TARZAN SWING STOP

REF : AC40

2



### COMPLETE TARZAN PULLEY HOUSING

REF : AC37

3



### TARZAN BRAKE 600mm

REF : AC32

4



### VERTICAL CABLE FOR TARZAN SWING

REF : CA06-TZ

5

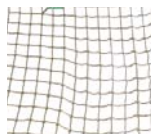


### TARZAN LANYARD WITH CONNECTORS

REF : AC14-RV

REF : AC14-OV

6



### TARZAN SWING LANDING NET

REF : FI08-TZ

7



### TARZAN NET ABSORBER

REF : AC83

8



### GALVANIZED SPELEOLOGY LADDER - 5 m (16.4 ft)

REF : QU02-05

9



### Ø5 mm (0.2 in) WHITE POLYAMIDE THREADED ROPE

REF : CO06-05B100

10



### WOODEN TARZAN SWING TOP

REF : AC39-PH  
WITHOUT ACCESSORIES

REF : AC39-PHC  
WITH MAILLON AND PULLEY



11



### PVC PIPE Ø125 mm (4.9 in)

REF : AC16  
WITH WINDOW  
- LENGTH : 2 m (6.6 ft)

REF : PR18-4000  
STANDARD  
- LENGTH : 4 m (13'1")

12



### TARZAN SWING COUNTERWEIGHT

REF : QU40-300  
Lg 30 cm (1 ft)

REF : QU40-600  
Lg 60 cm (2 ft)

13



### HAULING HOUSING

REF : AC48

14



### TUBE END HOUSING FOR RETURN SYSTEM

REF : AC58

15



### WOODEN TARZAN SWING BOTTOM

REF : AC39-PB





## ROPE LADDER

REF : AC03-1

- Polyester ladder, without any accessories, beech wood rungs
- The 4 ends are equipped with swaged clevis to be fixed with connectors
- Length cut to measure | Price per metre

## ROPE LADDER TOP

REF : AC07-1 FRAME WITH THREADED BARS (WITH EYE BOLTS)

REF : AC07-2 FRAME WITH THREADED BARS (WITHOUT EYE BOLTS)

- Content : 2 \* 8 x 10 x 80 cm (3.14 x 3.93 x 31.49 in) joists (one is assembled with 2 eye bolts) + 2 x Ø18 mm (0.7 in) x 1 m (3.3 ft) threaded bars with fixing accessories. Space between eye bolts : 35 cm (1.1 ft)
- Cl.4 treated pinewood
- Weight : 15 kg (33.1 lbs) | Pre-assembled

## ROPE LADDER FOOT Ø14 x 100 cm (Ø 0.5 x 3.3 ft)

REF : AC01

- Log assembled with 2 eye bolts, Cl.4 treated pinewood
- Space between eye bolts : 35 cm (13.77 in)

## ROPE LADDER FIXING KIT

REF : AC11

- To fix to the 4 extremities of the ladder
- Content : 2 x Ø7 mm (Ø 0.3 in) oval quick links, 2 x 50 cm (19.68 in) chains, 2 x screw gate steel karabiners
- Weight : 825 g (1.8 lbs)

## REPLACEMENT RUNG FOR ROPE LADDER

REF: BO07

- Cl.4 treated pinewood | Weight : 275 g (0.6 lbs)

## TREE TRUNK LADDER

REF : AC04

- Steps cut from spruce trunk.
- Class 4 treated spruce trunk.
- Length: 4.50 m (177.16 in).





## APPLE PICKER'S LADDER

REF : AC05

- Wooden ladder with rounded rungs, 2 wooden bars
- Cl.4 treated pinewood
- Bars planed on 4 sides, chamfered angle « quarter-round »
- 25 cm (9.84 in ) planed beechwood rungs
- Length : 4.50 m (14'9")



## MALLARD'S LADDER

REF : AC12

- 3 round-edged bars planed on 4 sides
- Cl.4 treated pinewood
- Beechwood rungs 25 cm (9.84 in)
- Length : 4.50 m (14'9")



## PARROT LADDER

REF : AC06

- Log equipped with alternate rungs
- Cl.4 treated pinewood
- Size : Ø140 mm x 5 m (Ø5.51 in x 16'48")



	<b>CLIMBING HOLD PULSE JUGS XL</b>  REF : QU121-XL	<b>CLIMBING HOLD ESSENTIAL JUGS L2</b>  REF : QU120-L2	<b>CLIMBING HOLD ESSENTIAL JUGS XL</b>  REF : QU120-XL
MATERIAL	POLYESTER PE	POLYESTER PE	POLYESTER PE
STYLE	CLASSIC	CLASSIC	CLASSIC
DIFFICULTY	EASY	EASY	EASY
SHAPE	MONDO JUGS	JUGS	JUGS
PROFILE	OVERHANG	VERTICAL / OVERHANG	OVERHANG
FIXING	50 mm (2 in) bolt (not included)	50 mm (2 in) bolt (not included)	50 mm (2 in) bolt (not included)





## INFORMATION PANELS



### PVC ACTIVITY PANEL

REF : PA01

- Board showing the activity diagram, how to connect onto the lifeline, the number of users on the activity and the level of difficulty
- Adhesively stuck laminated digital print
- See the 130 diagrams available at the end of the catalog
- For tailor-made boards : please contact us
- Size : 200 x 200 x 5 mm (7.9 x 7.9 x 0.2 in)
- Weight : 127 g (0.3 lbs)



### « DANGER ZIPLINE » PVC PANEL

REF : PA03

- Panel indicating collision risk between a zipline user and pedestrians
- Adhesively stuck laminated digital print
- Can be translated into another language
- Size : 198 x 170 x 3 mm (7.8 x 6.7 x 0.1 in)
- Weight : 127 g (0.3 lbs)



### PANEL INDICATING THE TARZAN SWING EXIT

REF : PA07-G LEFT EXIT  
REF : PA07-D RIGHT EXIT

- PVC tarpaulin exit panel with 4 eyelets
- 2 different models depending on the net exit
- To be fixed on Tarzan swing landing net
- Size : 400 x 400 mm (15.8 x 15.8 in)
- Weight : 140 g (0.3 lbs)



### « REMAIN CONNECTED » PVC SAFETY PANEL

REF : PA10

- Panel indicating how to connect to the safety loop at an obstacle arrival
- Adhesively stuck laminated digital print
- Size : 140 x 200 x 5 mm (5.5 x 7.9 x 0.2 in)
- Weight : 69 g (0.2 lbs)

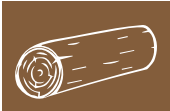




### « OK » SAFETY LOOP PANEL

REF : PA09

- Panel indicating how to connect to the safety loop at an obstacle arrival
- Printed yellow screen
- Size : 200 x 180 x 3 mm (7.9 x 7.1 x 0.12 in)
- Weight : 73 g (0.2 lbs)



### « NO ENTRY » SIGN FOR BRACE CABLES - DIBOND

REF : PA11

- Round « no entry » sign with a hole for adventure and rope course brace cables
- Dibond + adhesive sticker
- Size : Ø 90 mm (Ø 3.5 in)
- Weight : 25 g (0.05 lbs)



### PVC DIRECTION ARROW

REF : PA04

- Adhesively stuck laminated digital print
- Size : 270 x 80 x 4 mm (10.6 x 3.1 x 0.15 in)
- Weight : 25 g (0.05 lbs)



### SWING TARZAN PVC PANEL - RIGHT-HAND NET EXIT

REF : PA05-D

- Dimensions: 250 x 580 x 5 mm.
- Model for right-hand thread exit.
- Weight: 258 g.



### SWING TARZAN PVC PANEL - LEFT-HAND NET EXIT

REF : PA05-G

- Dimensions: 250 x 580 x 5 mm.
- Model for exit on the left of the net.
- Weight: 258 g.







# ROPES & NETS

> EASYFIX CLEVIS ROPES

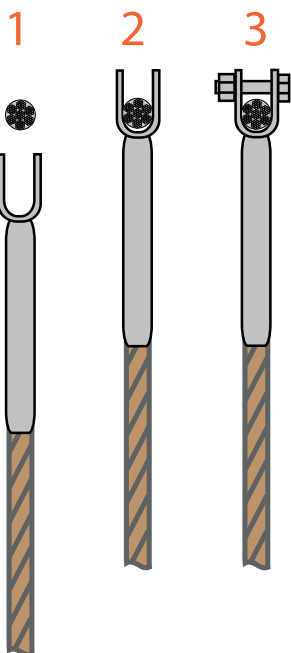
> ROPES

> NETS



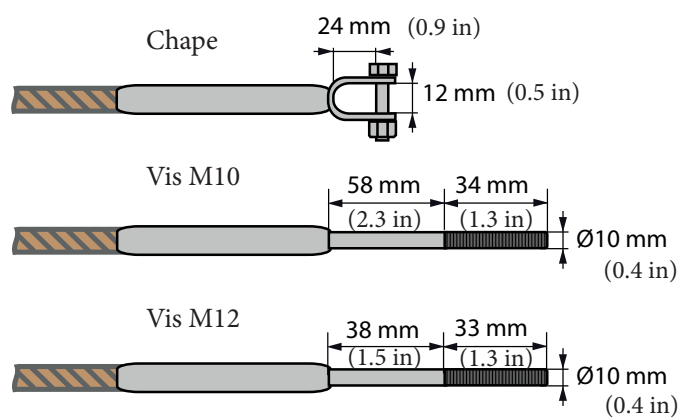


## EASYFIX CLEVIS ROPES



- Ø16 mm (Ø 0.6 in) beige polypropylene rope
- Resistance before slipping : 800 daN
- Standard or custom lengths

Different endings :







### EASYFIX ROPE 1 CLEVIS 1 SCREW 80 mm (0.3 ft)

REF : CO10-VC	CUT TO SIZE
REF : CO10-VC115	1.15 m (3'9") ROPE
REF : CO10-VC210	2.10 m (6'10") ROPE

- To be placed directly onto the activity supporting wire rope
- To hang wooden activities such as flying carpets, suspended crosses-herwood steps



### EASYFIX ROPE 1 CLEVIS 1 SCREW 100 mm (0.3 ft)

REF : CO10-VL	CUT TO SIZE
REF : CO10-VL115	1.15 m (3'9") ROPE
REF : CO10-VL160	1.60 m (5'3") ROPE
REF : CO10-VL210	2.10 m (6'10") ROPE

- To be placed directly onto the activity supporting wire rope
- To hang wooden activities such as Ø80 mm (3.14 in ) logs and stepping stones



### DOUBLE CLEVIS EASYFIX ROPE

REF : CO10-C	CUT TO SIZE
REF : CO10-C105	1.05 m (3'5") ROPE
REF : CO10-C115	1.15 m (3'9") ROPE
REF : CO10-C220	2.20 m (7'3") ROPE
REF : CO10-C420	4.20 m (13'9") ROPE

- To be placed directly onto the activity supporting wire rope
- Can be connected to a wire rope, to an eye screw, karabiner or quick link



### EASYFIX ROPE WITH STIRRUP

REF : CO10-E105	1.05 m (3'5") ROPE
REF : CO10-E200	2 m (6'6") ROPE

- To be placed directly onto the activity supporting wire rope (high support cable)



### EASYFIX SUSPENDED ROPE TO CATCH

REF : CO10-N	CUT TO SIZE
REF : CO10-N115	1.15 m (3'9") ROPE

- To be placed directly onto the activity supporting wire rope (high support cable on handrail)





## ROPES



### Ø10 mm (Ø 0.4 in) POLYPROPYLENE ROPE

REF : CO01-10 CUT TO SIZE  
REF : CO01-10B100 100 m (328 ft) REEL

- Ideal for marking out trails in the forest
- Delivered in 100 m (3937 in) reel or made to measure
- Weight : 45 g (0.1 lbs) / m

### Ø16 mm (Ø 0.63 in) POLYPROPYLENE ROPE

REF : CO01-16 CUT TO SIZE  
REF : CO01-16B300 300 m (984'3") REEL

- Weight : 117 g (0.3 lbs) / m

### Ø22 mm (Ø 0.9 in) POLYPROPYLENE ROPE

REF : CO01-22 CUT TO SIZE  
REF : CO01-B100 100 m (328 ft) REEL

- Weight : 250 g (0.6 lbs) / m



### Ø5 mm (Ø 0.2 in) WHITE POLYAMIDE THREADED ROPE

REF : CO06-05B100 100 m (328 ft) REEL

- Ø 5 mm (Ø 0.2 in) diameter



### ROPE KIT FOR FLAT ZIPLINES

REF : CO07-10 LENGTH : 10 m (32'8")  
REF : CO07-15 LENGTH : 15 m (49'2")  
REF : CO07-20 LENGTH : 20 m (65'6")  
REF : CO07-40 LENGTH : 40 m (131'3")

- Thimbled rope
- Contains 2 Maillon Rapide pear-shaped zinc plated Ø9 mm (Ø 0.4 in)





#### **RED CORD Ø5 MM (0,20 IN) (BEAL)**

REF : CO08-05B120R 120 m (393,70 ft) reel

- Material : nylon.
- Breaking load : 650 daN.



#### **ANTIPODES (BEAL) Ø10,5 MM (0,41 IN)**

REF : DE02-B200 200 M (656 FT) REEL

- Type A, compliant with EN 1891 standard and EEC.
- Maximum load : 2 700 daN.



#### **SAFETY ROPE INDUSTRIE PRO (BEAL) BLACK Ø10,5 MM (0,41 IN)**

REF : DE14-N

- Compliant with EN 1891 standard type A.
- Breaking strength : 3 290 daN.

#### **SAFETY ROPE INDUSTRIE PRO (BEAL) RED Ø10,5 MM (0,41 IN)**

REF : DE14-R

- Compliant with EN 1891 standard type A.
- Maximum load : 3 000 daN.





## NETS



### TARZAN SWING LANDING NET

REF: FI08-TZ 480 x 4.80 m (15'9" x 15'9")

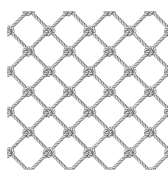
- Ø16 mm (0.6 in) beige polypropylene net
- Clevises on 2 opposite sides provide extended lifetime of the net
- Easy to install on wire rope with clevis bolts



### Ø5 mm (Ø 0.2 in) BEIGE BORDERED NET - 30 x 30 mm (1.2 x 1.2 in) MESH

REF: FI01 CUT TO SIZE

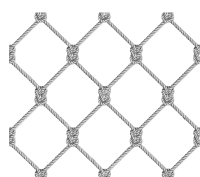
- Also called «catamaran net»
- Strong and comfortable walking net
- Polyamid selvedge on the border
- Weight : 800 g (1.8 lbs) / m<sup>2</sup> | Price per square metre



### Ø5 mm (Ø 0.2 in) WHITE SAFETY NET - 50 x 50 mm (2 x 2 in) MESH

REF: FI03 CUT TO SIZE

- Compliant with AFNOR standard 1263-1
- Bordered polyamide knotted net
- Cut to size width and length
- Weight : 565 g (1.3 lbs) / m<sup>2</sup> | Price per square metre



### Ø5 mm (Ø 0.2 in) WHITE NET - 100 x 100 mm (4 x 4 in) MESH

REF: FI16 CUT TO SIZE

- Bordered polyamide knotted net
- Made to measure length and width
- Weight : 500 g (1.1 lbs) / m<sup>2</sup> | Price per square metre

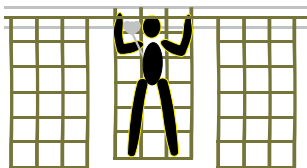


### Ø16 mm (Ø 0.6 in) NET - 300 x 300 mm (11.8 x 11.8 in) MESH

REF: FI09 MADE TO MEASURE

- Beige polypropylene net
- Clevises at the extremities can be installed on 1, 2, 3 or 4 sides according to your choice
- Clevises allow to fix the net on pre-installed wire rope or on ring
- Price per square metre





**Ø16 mm (Ø 0.6 in) NET - 300 x 300 mm (11.8 x 11.8 in) MESH**  
**- « PIRATE »**

REF : FI10-PI 0.90 x 2.20 m (35.43 in x 7.2 ft)

- Clevises on the top small side
- Weight : 2.86 kg (6.3 lbs)



**Ø16 mm (Ø 0.6 in) NET - 300 x 300 mm (11.8 x 11.8 in) MESH**  
**- « SMALL U »**

REF : FI12-SU 0.90 x 2.20 m (35.43 in x 7.2 ft)

- Clevises on 2 opposite sides
- Weight : 4.08 kg (9 lbs)



**Ø16 mm (Ø 0.6 in) NET - 300 x 300 mm (11.8 x 11.8 in) MESH - « BIG U »**

REF : FI11-BU 0.90 x 4.20 m (35.43 in x 13.8 ft)

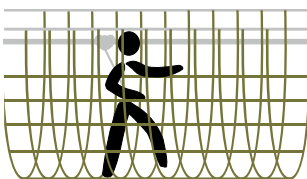
- Clevises on 4 both small sides
- Weight : 5.13 kg (11.3 lbs)



**Ø16 mm (Ø 0.6 in) NET - 300 x 300 mm (11.8 x 11.8 in) MESH**  
**- « HALF ULUWATU »**

REF : FI14-HUL CUT TO SIZE

- Width : 2.40 m (7'10")
- Cut to size length
- Weight : 1796 g (3.9 lbs) / m2 | Price per square metre



**Ø16 mm (Ø 0.6 in) NET - 300 x 300 mm (11.8 x 11.8 in) MESH**  
**- « ULUWATU »**

REF: FI13-UL CUT TO SIZE

- Width : 4.20 m (13'9")
- Cut to size length
- Weight : 1190 g (2.6 lbs) / m2 | Price per square metre

**NET FIXING KIT**

REF: AC61

- 4 x 40 cm (15.75 in) welded chain
- 4 x Ø 7 mm (0.28 in) zinc-plated pear «MAILLON RAPIDE»
- 4 x Ø 7 mm (0.28 in) Standard «MAILLON RAPIDE», zinc-plated
- 4 x Ø 8 (0.31 in) x 80 mm (3.15 in) zinc-plated screw-in eyebolts
- Weight: 1.70 kg (3.75 lb)









# PROTECTIVE PLASTICS

> PLASTIC CAPS & SLEEVES

> FOAM PROTECTIONS





## PLASTIC CAPS & SLEEVES

### PROTECTION CAP FOR NUT



REF : PR08-M8 FOR M8 NUT - Ø 8 mm (Ø 0.3 in)  
REF : PR08-M10 FOR M10 NUT - Ø 10 mm (Ø 0.4 in)  
REF : PR08-M12 FOR M12 NUT - Ø 12 mm (Ø 0.5 in)

- To be fitted on wire rope clip nuts
- Black polyethylene autolocking cap

### AUTOBLOCKING CAPS Ø18 mm (0,71 in)



REF : PR12-M18

- For M18 (0,71 in) threaded rods and hex nuts.
- Black LLD polyethylene autoblocking caps
- Optimum protection against corrosion thanks to the perfect fit of the cap on the threaded rod, thanks to the circular sealing lip.
- Withstands temperatures from -25°C to +70°C.
- Weight per 10 units: 70 g.

### THERMOPLASTIC END CAP



REF : PR11 FOR 12 mm (0.47 in) WIRE ROPE

- To protect wire rope ends
- Diameter before shrinking : 14 mm (0.5 in) | After max. shrinking : 5 mm (0.2 in)
- Length : 45 mm (1.8 in)

### BLACK THERMOPLASTIC TUBE



REF : PR14

- For rope and wire rope protection
- Sticky internal surface
- Ø before shrinking : 50 mm (2 in) | Ø after shrinking : 13 mm (0.5 in)
- Length : 1 m (39.37 in)

### SPRING-SHAPED PLASTIC SHEATH



REF : PR15 Ø 15 mm (0.6 in)

- Protection sheath for ropes, nets, rope ladders
- Easy to install thanks to its spiral shape
- No need to dismantle the net or the rope ladder to install it





## FOAMS & COVERS

### SPLIT TUBE - RED HARD FOAM

\* Closed cell foam, suitable for outdoor use



REF : PR01-200 FOR WIRE ROPE WITH FERRULES  
REF : PR01-1000 FOR EMERGENCY ZIPBRAKE 1M (3'3" in) (REF AC30-1000)

- Ø internal : 30 mm (1.2 in) / Ø external : 60 mm (2.4 in) | Length : 20 cm (7.9 in)

REF : PR05-250 FOR WIRE ROPE WITH WIRE ROPE CLIPS

- Ø internal : 45 mm (1.8 in) / Ø external : 90 mm (3.5 in) | Length : 25 cm (9.8 in)

### SPLIT TUBE - PLASTICIZED REINFORCED HARD FOAM



REF: PR03-1000 Length 1 m (39.37 lb) Weight: 275 g (0.61 lb)  
PR03-2000 Length 2 m (78.74 lb) Weight: 550 g (1.21 lb)

- Closed cell foam, suitable for outdoor use for pneumatic zipbrake  
- Closed-cell polyurethane hard foam  
- Colour : yellow  
- Ø internal : 60 mm (2.36 in) | Ø external : 120 mm (4.72 in)



### SPLIT TUBE - PLASTICIZED REINFORCED HARD FOAM



REF: PR07-1000 Length 1 m (39.37 lb)

- Colour : green  
- Closed cell foam, suitable for outdoor use for pneumatic zipbrake  
- Ø internal : 50 mm (1.97 in) | Ø external : 86 mm (3.39 in)  
- Closed-cell polyurethane hard foam  
- Its integrated plastic cover eliminates the need for a tarpaulin.

### PLASTIC COVERING FOR FOAM TUBES



\* Velcro fastening

REF : PR02-200 200 x 210 mm (7.9 x 8.2 in) - FOR FOAM TUBE REF : PR01-200  
REF : PR06-250 250 x 305 mm (9.8 x 12 in) - FOR FOAM TUBE REF : PR05-250  
REF : PR39-1000 230 x 1000 mm (9x 39.4 in) - FOR EMERGENCY ZIPBRAKE 1M (39.37 in) REF : AC30-1000  
REF : PR36 280 x 730 mm (11 x 28.7 in) - FOR PNEUMATIC ZIP BRAKE

### PLASTIC COVERING



\* velcro fixation

REF : PR04-1000 425 (16.7 in) x 1000 mm (39.4 in) - FOR EMERGENCY ZIPBRAKE (REF : AC30-1000)  
REF : PR04-2000 425 (16.7 in) x 2000 mm (78.7 in)

### PLATFORM EDGE PROTECTION



REF : PR38

- Dimensions : 300 x 300 x 1000 mm (11.8 x 11.8 x 39.4 in)  
- Thickness : 100 mm (3.9 in)  
- Weight : 2090 g (4.6 lbs)







# PPE EQUIPMENTS

**> HARNESES**

**> HELMETS**

**> LANYARDS**

**> PULLEYS**

**> KARABINERS**

**> QUICK LINKS**

**> FALL ARRESTERS**

**> RESCUE KITS**

**> ACCESSORIES**





# HARNESSES

REFERENCE	WAIST SIZE	LEG LOOPS	SPECIFICITIES	WEIGHT
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## CHILDREN

OUISTITI (PETZL)	C068AA00	58-70 cm (1.112.3 ft)	32-40 cm (1.1-1.3 ft)	Max. weight : 30 kg (66 lbs)	410 g (0.9 lbs)
BAMBI II (BEAL)	BHB	54 cm (54 in)	35-60 cm (1.1-2 ft)	Max. weight : 40 kg (88 lbs) Bust height : 40-60 cm (14.74 in - 23.62 in)	350 g (0.8 lbs)
SIMBA PARK (PETZL)	C065AA00	/	51 cm (21 in) max.	Max. weight : 40 kg (88 lbs) Bust height : 35-60 cm (13.77 in - 23.62 in)	540 g (1.2 lbs)
BAMBINO (CAMP)	HA01	86 cm (33.85 in) max.	64 cm (25.19 in) max.	Max. weight : 40 kg (88 lbs)	374 g (0.8 lbs)
DRAGON 6A (CILAO)	HA05-6A	52-55 cm (20.47 in - 21.65 in)	40 cm (15.7 in) max.	Pelvis meas. : 64 cm (25.19 in) max.	200 g (0.4 lbs)
DRAGON 8A (CILAO)	HA05-8A	54-59 cm (21.25 in - 23.22 in)	44 cm (17.3 in) max.	Pelvis meas. : 68 cm (26.77 in) max.	210 g (0.4 lbs)

## YOUTH & ADULTS

AERO TEAM IV (BEAL)	BHA	45-115 cm (17.7 - 45.3 in)	26-72 cm (10.24 - 28.3 in)	/	395 g (0.9 lbs)
AERO PARK IV (BEAL)	BHAP4	45-115 cm (19.7 - 48.4 in)	26-72 cm (15.7-31.9 in)	/	400 g (0.9 lbs)
IKKO (CILAO)	HA04-1	50-123 cm (20.5 - 37.4 in)	40-81 cm (1.3- 2.7 ft)	/	495 g (1.1 lbs)
TOPAZ (CAMP)	HA02	52-95 cm (1.7-3.1 ft)	30-70 cm (11.8 - 27.6 in)	/	420 g (0.9 lbs)
PANJI HARNESS SPECIFIC	C028AA00	120cm (47,24 in)	75 cm (29,53 in)	/	480 g (1.1 lbs)
PANDION (PETZL)	C029AA00	53-120 cm (20.9 - 47.2 in)	35-75 cm (1.1-2.5 ft)	/	480 g (1.1 lbs)
GYM (PETZL)	C032AA00	60-101 cm (23.62-39.8 in)	67 cm (26.4 in) max.	/	480 g (1.1 lbs)
SWAN EASYFIT STEEL (PETZL)	C062AA00	<120 cm (47,2 in)	<75 cm (18.5 - 24.4 in)	/	1125 g (2.5 lbs)
NEWTON TAILLE 1 (PETZL)	C073AA01	70-93 cm (27.6 - 36.7 in)	47-62 cm (29.5 in)	/	1050 g (2.3 lbs)

## COMPLETE HARNESS KIT FOR YOUNGSTERS & ADULTS

GYM (PETZL) + ALP TOP-2 (CLIMBING TECH.)	PK14	60-101 cm (23.6 - 39.8 in)	67 cm (26.3 in) max.	Size : 160-205 cm (5.2-6.7 ft)	1030 g (2.2 lbs)
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## INSTRUCTORS

ASPIR (PETZL)	C024AA00	58-110 cm (22.8 - 43.3 in)	35-65 cm (13.8 - 25.6 in)	/	450 g (1 lbs)
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## LARGE ADULTS

NEWTON TAILLE 2 (PETZL)	C073AA 02	83-120 cm (32.7 - 47.2 in)	50-65 cm (19.6 - 25.6 in)	Size : 175-200 cm (5.7-6.6 ft)	1080 g (2.5 lbs)
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## CHEST HARNESSES

VOLTIGE (PETZL)	C60	/	/	Chest size : 50-100 cm (1.6-3.3 ft)	280 g (0.6 lbs)
ALP TOP-2 (CLIMBING TECH.)	HA03	/	/	Chest size : 160-205 cm (5.3-6.7 ft)	550 g (1.2 lbs)





## CHILDREN



### OUISTITI (PETZL)

REF : C068AA00 ONE SIZE FITS ALL

- Comfortable and versatile full-body harness for children less than 30 kg (85 lbs)
- Semi-rigid structure is color-coded for easy donning
- Primary adjustment is done on the shoulder straps and secondary adjustment is done with the double buckles on the back of the harness



### BAMBI II (BEAL)

REF : BHB ONE SIZE FITS ALL

- A simple and practical harness for children less than 40 kg (85 lbs)
- Use : very young children
- 2 automatic adjustment buckles on leg loops + 2 automatic adjustment buckles on shoulder straps
- A colour code identifying body straps and leg loops for easy donning



### SIMBA (PETZL)

REF : C65 ONE SIZE FITS ALL

- Full body adjustable harness for children less than 40 kg (85 lbs)
- Easy to put on a child, with a FAST LT PIN-LOCK buckle at the rear of the harness
- Right/left color coding makes it easier to give donning instructions to children



### BAMBINO (CAMP)

REF : HA01 ONE SIZE FITS ALL

- Recommended for children 3 to 8 years old not exceeding 40 kg (85 lbs)
- Pre-Threaded Auto-Locking Buckles (6 points of adjustment)



### DRAGON (CILAO)

REF : HA05-6A 5-7 YEARS OLD  
REF : HA05-8A 7-9 YEARS OLD

- This seat harness slips on like a pair of shorts so that users can easily suit themselves up
- Auto secure system technology is a patented self-bearing buckleless harness eliminating adjustments or extra straps
- Self-adjusting elastic band at the waist resistant to 1,500 kg
- Guaranteed safety, the harness can not be loosened by itself



## YOUTH & ADULTS



### AEROTEAM IV (BEAL)

REF : BHA ONE SIZE FITS ALL

- Very lightweight harness designed for outdoor centres and young people
- Comfort padding around waist and legs
- Rigid webbing connects both leg loops to simplify fitting
- Rigid thigh straps for easy donning





### AEROPARK IV (BEAL)

REF : BHAP4 ONE SIZE FITS ALL

- Easy to put on and as adjustable for small people as large ones
- Rigid thigh straps for easy donning
- Wear indicator on the attachment point
- Colour coded leg loops
- 2 reinforced gear loops



### IKKO (CILAO)

REF : HA04-1 ONE SIZE FITS ALL

- One-size-fits-all seat harness with a wide range of adjustment settings : 8 years to XXL
- The right leg loop colour is different from the left
- Central attachment point with abrasion protection
- Equipment holder on the right-hand side has a capacity of 200 kg (441 lbs)



### TOPAZ (CAMP)

REF : HA02 ONE SIZE FITS ALL

- A perfect harness for beginners and groups
- Best and thighs with sliding straps for a perfect centering
- Comfortable 6 mm (0.2 in) EVA foam padding
- Pre-threaded auto-locking steel buckles with special safety keepers help prevent accidental unthreading
- The waist buckle is positioned on the left side so it can be easily adjusted by right-handed instructors
- 2 reinforced gear loops
- Different colored leg loops and for easy identification



### PANJI HARNESS SPECIFIC TO HIGH ROPES COURSES (PETZL)

REF : C028AA00 ONE SIZE FITS ALL

- Easy to use iseat harness with gear loop especially developed according to ropes course operating requirements.
- DoubleBack buckles facilitate the adjustment.
- Webbing ends are easy to grip for tightening waistbelt and leg loops.
- Identification sticker to facilitate the management of batches of PPE.





### PANDION (PETZL)

REF : C029AA00 ONE SIZE FITS ALL

- Lightweight and compact seat harness
- Reinforced ventral attachment point
- Flexible gear loop stays out of the way while wearing a pack
- Waistbelt and leg loops equipped with self-locking buckles for quick and easy adjustment
- Excellent grip at ends of adjustment webbing



### GYM (PETZL)

REF : C032AA00 ONE SIZE FITS ALL

- Pandion harness without the gear loop
- Lightweight and compact seat harness
- Reinforced ventral attachment point
- Waistbelt and leg loops equipped with self-locking buckles for quick and easy adjustment
- Colour coded waistbelt and leg loops
- Excellent grip at ends of adjustment webbing



### SWAN EASYFIT STEEL (PETZL)

REF : C062 AA00 ONE SIZE FITS ALL

- Durable, easy-to-use full-body harness for adventure parks
- Material(s): polyester webbing, aluminium attachment point, steel buckles, polyamide
- Unit weight: 1125 g
- Waist: <120 cm
- Thigh circumference: <75 cm



### NEWTON (PETZL)

REF : C073AA01 SIZE 1

- Full body harness for large sizes
- Upper and lower straps of different colors to facilitate donning
- The sternal FAST automatic buckle allows the harness to be opened and closed simply and quickly
- The shoulder straps and leg loops are equipped with self-locking buckles for quick and easy adjustment



## COMPLETE HARNESS KIT FOR YOUTH & ADULTS



### GYM (PETZL) + TORSE ALP TOP-2 (CLIMBING TECH.)

REF : PK14 ONE SIZE FITS ALL

- GYM HARNESS (PETZL) | PREVIOUS PAGE
- ALP TOP-2 CHEST HARNESS (CLIMBING TECH.) | Please see below

## INSTRUCTORS

### ASPIR (PETZL)

REF : C024AA00 ONE SIZE FITS ALL



- Comfortable harness without gear loop
- Waistbelt and leg loops padded for comfort during suspension
- Waistbelt and leg loop buckles allow quick adjustment
- Donning made easy with the color contrasts on the waistbelt and leg loops
- 2 tie-in points and a differentiated color of the belay loop allows a quick visual check to ensure the belay device is properly attached
- Detachable rear leg loop elastics

## LARGE ADULTS



### NEWTON (PETZL)

REF : C073AA02 SIZE 2

- Full body harness for larger builds
- Upper and lower straps that are different colors to facilitate donning
- The sternal FAST automatic buckle allows the harness to be opened and closed simply and quickly
- The shoulder straps and leg loops are equipped with self-locking buckles for quick and easy adjustment

## CHEST HARNESSES



### VOLTIGE (PETZL)

REF : C60 ONE SIZE FITS ALL

- Helps keep the climber upright while hanging or rappelling
- For use only in combination with a seat harness
- 2 adjustment buckles
- Adaptable height tie-in point : reversible design allows buckles to be positioned on the shoulders or under the arms



### ALP TOP-2 (CLIMBING TECH.)

REF : HA03 ONE SIZE FITS ALL

- Detachable chest harness with PILLAR PRO TGL connector
- For use only in combination with a seat harness





## HELMETS

	REFERENCE	HEAD MEASUREMENT	TIGHTENING	COLORS	WEIGHT
<b>CHILDREN</b>					
<b>PICCHU (PETZL)</b>	A049AA00 A049AA01	48-54 cm (18.9-21.3 in)	Push-buttons	2	330 g (0.7 lbs)
<b>TITAN S (CAMP)</b>	CQ01-T1	48-56 cm (18.9-22 in)	Wheel	4	360 g (0.8 lbs)
<b>WOMEN &amp; CHILDREN</b>					
<b>ECLIPSE (CLIMBING TECH.)</b>	CQ02	48-56 cm (18.9 - 22 in)	Wheel	4	300 g (0.7 lbs)
<b>YOUTH &amp; ADULTS</b>					
<b>PANGA (PETZL)</b>	A30A	50-61 cm (19.7-24 in)	Flip & Fit	3	330 g (0.7 lbs)
<b>TITAN L (CAMP)</b>	CQ01-T2	54-62 cm (21.3-24.4 in)	Scroll wheel	4	410 g (0.9 lbs)
<b>VERTEX VENT (PETZL)</b>	A010CA	53-63 cm (20.9-24.4 in)	Flip & Fit + Centerfit	7	490 g (1.1 lbs)

### CHILDREN



#### PICCHU (PETZL)

REF : A049AA00 BLUE  
REF : A049AA01 PURPLE

- Children's helmet with reinforced protection, specifically sized for children between the ages of 3 and 8
- Head-covering design for reinforced protection against lateral, front and rear impact
- Side openings for ventilation
- Adjustable chinstrap, nape height and headband for a comfortable fit
- Foam is removable and washable
- Headlamp can be attached using the four optimally placed clips

#### TITAN (CAMP)



REF : CQ01-T1ROU S SIZE RED

REF : CQ01-T2BLA adult SIZE

- Fast and easy to disassemble for washing and cleaning
- Spider suspension framework offers exceptional comfort and ventilation
- 4 burly headlamp holder clips
- New strong and durable size adjustment wheel



## WOMEN & CHILDREN



### ECLIPSE (CLIMBING TECH.)

REF : CQ02-BLA	WHITE
REF : CQ02-BLE	BLUE
REF : CQ02-ROS	PINK
REF : CQ02-VER	GREEN

- Multipurpose helmet for women and children (close-fitting form designed for smaller heads)
- Good ventilation thanks to the many openings present in the shell
- Adjustable for different head circumferences
- Front headtorch attachment
- Choice of two different internal padding materials

## YOUTH & ADULTS



### PANGA (PETZL)

REF : A30ABA-U	BLUE
REF : A30A0A-U	ORANGE
REF : A30AWA-U	WHITE

- The FLIP&FIT system :
  - \* the headband is immediately positioned in the low position, ensuring a secure fit on the head
  - \* the headband to be retracted inside the helmet, to protect it during storage and transport
- It is composed of three removable components: shell, liner and harness/headband
  - \* These components are all available as replacement parts, extending life-time and optimizing cost for the operator



### VERTEX VENT (PETZL)

REF : A010CA00	WHITE
REF : A010CA01	YELLOW
REF : A010CA02	RED
REF : A010CA03	BLACK
REF : A010CA04	ORANGE
REF : A010CA05	BLUE
REF : A010CA06	GREEN









- 6-point textile suspension conforms perfectly to the shape of the head
- CENTERFIT feature allows perfect centering of the helmet on the head, thanks to its two side adjustment wheels
- The FLIP&FIT system :
  - \* the headband is immediately positioned in the low position, ensuring a secure fit
  - \* the headband to be retracted inside the helmet, to protect it during storage and transport
- DUAL chinstrap allows the worker to adjust chinstrap strength :
  - \* 2 positions : high strength, limiting the risk of losing the helmet during a fall, and low strength, limiting the risk of strangulation if the helmet is snagged
- Vent holes with sliding shutters allow the ventilation to be adjusted as needed, while wearing the helmet
- Modular accessories : eye shield, headlamp, helmet protector, nape protector, nametag holder, changeable chinstrap and foam , hearing protection ...





## LANYARDS

		REFERENCE	TYPE		LENGTH	ENDING	WEIGHT	
		JOKO-I 30 (PETZL)	L36IUO 30	I	SIMPLE	made to measure	Small loop Sewn end protected (plastic sleeve)	
		DYNACLIP 75 (BEAL)	LO12	I	SIMPLE	75 cm (29.5 in )	Small loop Sewn end protected (plastic sleeve)	75 g (0.16 lbs)
	2.1	AKRO-I 85 (CILAO)	LO01-I85	I	SIMPLE	85 cm (33.5 in)	Small loop	130 g (0.29 lbs)
	3.0	AKRO-I 80 (CILAO)	LO04-IT80	I	SIMPLE	80 cm (31.5 in)	Lark's foot knot	90 g (20 lbs)
		AKRO-I 92 (CILAO)	LO04-IT92			92 cm (36 in)		95 g (21 lbs)
	3.1	AKRO-I 100 (CILAO)	LO04-IT100			100 cm (39 in)		99 g (22 lbs)
		AKRO-Y 70 (CILAO)	LO02-1	Y	SYMETRIC	70-70 cm (27.6-27.6 in)	Small loop + Pier'O on each end	150 g (0.33 lbs)
		AKRO-Y 65-107 (CILAO)	LO02-65 107V	Y	ASYMMETRIC	65-107 cm (25.6 - 42.1 in)	Small loop + Pier'O on short end (blue) Small loop + Pier'O on long end (red)	150 g (0.33 lbs)
	2.1	AKRO-Y 76-98 (CILAO)	LO03-7698	Y	ASYMMETRIC	76-98 cm (30 - 38.6 in)	Small loop on short end Small loop + Pier'O on long end	150 g (0.33 lbs)
	3.0	AKRO-Y 76-98 (CILAO)	LO05-YT76 98	Y	ASYMMETRIC	76-98 cm (30 - 38.6 in)	Lark's foot knot on short end Small loop + Pier'O on long end	115 g (0.25 lbs)
	3.1							

\* All above lanyards connect to the harness with a simple lark's foot knot



### I (SIMPLE)



#### JOKO-I (PETZL)

REF : L036XY-I30 LENGTH 30-70 cm

- Dynamic rope lanyard  
Ø10 mm (Ø 0.4 in)



#### DYNACLIP-I 75 (BEAL)

REF : LO12 LENGTH 75 cm (29.5 in)

- Dynamic rope lanyard



#### I AKRO LANYARD 80 CM (31,50 IN) (CILAO) FOR POULIZ 3.0 & 3.1

REF : LO04-IT80 Length : 80 cm (31,50 in).

- PPE tracking number protected on the strap.  
- CE certification.- Poids : 90 g.  
- Weight : 90 g (0,19 lb).



#### AKRO-I 92 (CILAO)

REF : LO04-IT92 LENGTH 92 cm (36.2 in)

- Ideal for POULIZ 3.0 & 3.1  
- Semi static rope lanyard  
Ø10.5 mm (Ø 0.4 in)



#### AKRO-I 85 (CILAO)

REF : LO01-I85 LENGTH 85 cm (33.5 in)

- Ideal for POULIZ 2.1  
- Semi static rope lanyard  
Ø10.5 mm (Ø 0.4 in)



#### I AKRO LANYARD 100 CM (36,22 IN) (CILAO) FOR POULIZ 3.0 & 3.1

REF : LO04-IT100 Length : 100 cm (39,37 in).

- PPE tracking number protected on the strap.  
- CE certification.  
- Weight : 99 g (0.22 lb).



## Y (SYMETRIC)



### AKRO-Y 70 (CILAO)

REF : LO02-1

- Semi static rope lanyard  
Ø10.5 mm (Ø 0.4 in)

## Y (ASYMMETRIC)



### AKRO-Y 65-107 (CILAO)

REF : LO02-65 107V

- Semi static rope lanyard  
Ø10.5 mm (Ø 0.4 in)



### AKRO-Y 76-98 (CILAO)

REF : LO03-7698

- **Ideal for POULIZ 2.1**  
- Semi static rope lanyard  
Ø10.5 mm (Ø 0.4 in)

REF : LO05-YT76 98

- **Ideal for POULIZ 3.0**  
- Semi static rope lanyard  
Ø10.5 mm (Ø 0.4 in)

## TARZAN LANYARD



### TARZAN LANYARDS WITH CONNECTORS

- Placed at the lower end of the Tarzan swing wire rope, this lanyard connects onto the Adventure course user's harness

REF : AC14-RV



- Includes :  
\* Pear-shaped zinc plated Maillon Rapide Ø12 mm (Ø 0.5 in) PPE - Red  
\* JIM lanyard 45 cm (17.7 in)  
\* Delta zinc plated Maillon Rapide Ø 8 mm (Ø 0.3 in) PPE - Green  
\* K-ADVANCE double safety karabiner (green)  
- Total length : 72 cm (28.3 in)

REF : AC14-OV



- Includes :  
\* OVAL STEEL karabiner SG screw lock system  
\* JIM lanyard 45 cm (17.7 in)  
\* Delta zinc plated Maillon Rapide Ø 8 mm (Ø 0.3 in) PPE - Green  
\* K-ADVANCE double safety karabiner (green)  
- Total length : 68 cm (26.8 in)

## ACCESSORIES

### PINCH (BEAL)

REF : LP ONE SIZE FITS ALL



- Secures a karabiner at the end of a rope lanyard or ring keeping it firmly in place  
- Made of particularly strong materials, it also provides effective protection against abrasion when in contact with rock



### STRING (PETZL)

REF : M090AA00 SIZE L  
REF : M090AA01 SIZE XL

- Keeps the karabiner in the correct position and protects the strap from abrasion





## PULLEYS

	REFERENCE	Ø MIN.	Ø MAX. (WIRE ROPE)	MAX. SPEED	USE	WEIGHT
<b>POULIZ 3.1 (KOALA)</b>	PO13-1	12 mm (0.5 in)	13 mm (0.5 in) *	80 km / h 50 mph	Continuous belay	790 g (1.7 lbs)
<b>TRAC GUIDE LT (PETZL)</b>	P024DB00	9 mm (0.4 in)	13 mm (0.5 in) *	90 km / h 56 mph	Self belay	455 g (1 lbs)
<b>TRAC GUIDE (PETZL)</b>	P024AB00	9 mm (0.4 in)	13 mm (0.5 in) *	90 km / h 56 mph	Self belay	425 g (1 lbs)
<b>DUETTO (CLIMBING TECH.)</b>	PO06	9 mm (0.4 in)	12 mm (0.5 in) *	36 km / h 23 mph	Self belay	130 g (0.3 lbs)
<b>TANDEM® SPEED (PETZL)</b>	P21 SPE	9 mm (0.4 in)	12 mm (0.5 in) *	72 km / h 45 mph	Self belay	130 g (0.3 lbs)
<b>TANDEM (PETZL)</b>	P21	9 mm (0.4 in)	12 mm (0.5 in) *	72 km/h 45 mph	Auto-assurance	195g (0.4 lbs)

(\*) Ø MAX : Rope 13 mm (1/2 in)

### PULLEY FOR KOALA EQUIPMENT CONTINUOUS BELAY SYSTEM



#### POULIZ 3.1 (KOALA EQUIPMENT)

REF : PO13-1

- Trolley for conti
- Sheaves mounted on 2 sets of 2 sealed ball bearings
- Opening / Closing | NEW SYSTEM
- Lanyard attachment with swivel | NEW
- Stainless-steel body reinforced | NEW
- Cover over the top | NEW
- Compliant with the PPE regulation 2016/425/ ECC
- Compliant with the EN 17109:2020 standard
- Made in France | Guaranteed for 2 years



#### OPENING TOOL FOR POULIZ 3.1

REF : ME184



#### POULIZ 3.1 & SWITCH POCKET

REF : EQ13



#### HANDLE FOR POULIZ 3.1

REF : ME115-F Z30  
FOR POULIZ 3.1



## SELF BELAY SYSTEM PULLEYS



### TRAC GUIDE LT (PETZL)

REF : P024DB00

- Trolley for self belay adventure course
- Easy installation on the wire rope with one hand
- Front and rear impact surfaces limit the risk of pinched fingers
- The two supports for the carabiners protect them from cable wear



### TRAC GUIDE (PETZL)

REF : P024AB00

- Trolley for self belay adventure course
- Ergonomic karabiner for quick one handed installation on the wire rope
- The karabiner pivots and then remains the trolley on the wire rope when contacting the zipbrake
- Two supports for the carabiners to protect them from cable wear
- Certification(s) : CE EN 17109, CE EN 12278 VIAA



### DUETTO (CLIMBING TECH.)

REF : PO06

- Twin pulley with fixed side plates for easy maneuvering on ropes or cables
- Made out of anodized light alloy
- Stainless steel sheaves mounted with 4 ball bearings
- Designed for ziplines
- Up to three connectors can be hooked in the lower eyelet
- Certification(s) : CE EN 12278:2007



### TANDEM SPEED (PETZL)

REF : P21 SPE



- Double pulley for smooth and efficient ziplines
- Specifically designed for lower-angle ziplines
- Stainless steel sheaves for excellent durability
- Sheaves mounted on sealed ball bearings for sustained speed, independent of the weight of the person, temperature, or humidity
- Attachment point for up to three carabiners to facilitate use
- Certification(s) : CE EN 12278, UIAA

### PAM (Platine A Mousqueton) pour poulie Trac (Petzl)



REF : PO01-1

REF : PO01-2

REF : PO01-3

For Trac pulley (Petzl)

For Tandem pulley and Câble (Petzl)

For Duetto pulley (Climbing Technology)

- Carabiner holder for fixing to the top of a pulley.
- The PAM (Platine A Mousqueton) holds the karabiner to the pulley, preventing it from rubbing against the lifeline cable.
- 3 models depending on the pulley used.
- Material: aluminium.



## KARABINERS

	REFERENCE	BREAKING STRENGTH   MAJOR AXIS	BREAKING STRENGTH   MINOR AXIS	BREAKING STRENGTH   OPEN GATE	OPENING	WEIGHT
KAYAK (CLIMBING TECH.)	MO14	22 kN	9 kN	8 kN	32 mm (1.3 in)	78 g (0.17 lbs)
LIME S (CLIMBING TECH.)	MO06	23 kN	8 kN	8 kN	20 mm (0.8 in)	41 g (0.09 lbs)
VERTIGO WIRE-LOCK (PETZL)	M40A WLU	25 kN	10 kN	8 kN	24 mm (0.9 in)	95 g (0.21 lbs)
WILLIAM BALL-LOCK (PETZL)	M36A BL	27 kN	8 kN	8 kN	27 mm (1 in)	90 g (0.20 lbs)
K-CLASSIC (CLIMBING TECH.)	MO09-2B	30 kN	10 kN	10 kN	22 mm (0.9 in)	87 g (0.19 lbs)
K-ADVANCE (CLIMBING TECH.)	MO07-V	30 kN	12 kN	12 kN	25 mm (1 in)	125 g (0.28 lbs)
OVAL STEEL SG (CLIMBING TECH.)	MO02	30 kN	15 kN	10 kN	19 mm (0.7 in)	176 g (0.39 lbs)
OVAL STEEL WG (CLIMBING TECH.)	MO12	30 kN	15 kN	10 kN	19 mm (0.7 in)	192 g (0.42 lbs)
PILLAR STEEL TG (CLIMBING TECH.)	MO13	30 kN	15 kN	10 kN	22 mm (0.9 in)	193 g (0.43 lbs)
Am'D PIN-LOCK (PETZL)	M34A PL	27 kN	8 kN	7 kN	25 mm (1 in)	80 g (0.17 lbs)



### KAYAK (CLIMBING TECH.)

REF : MO14

- Light alloy wirefinger karabiner with large size



### LIME S (CLIMBING TECH.)

REF : MO06

- Compact hot-forged light alloy carabiner with straight gate
- Classic shape, particularly robust and strong
- Multipurpose and durable
- Catch-free nose to avoid snagging when clipping and unclipping



### VERTIGO WIRE-LOCK (PETZL)

REF : M40A WLU

- Designed for use at the ends of lanyards
- Ergonomic shape for excellent handling
- Automatic WIRE-LOCK locking system easy to use
- Large opening for easy connection of karabiner to cable
- Keylock system helps avoid unwanted carabiner snagging during maneuvers
- Well suited for intensive use





### WILLIAM BALL-LOCK (PETZL)

REF : M36A BL

- Pear shape offers a large capacity and wide opening
- Light aluminum carabiner whose lightness is appreciated by the worker at light
- Fluid interior design limits the risk of having a catch point and facilitates rotation of the karabiner
- Keylock system to avoid any involuntary snagging of the karabiner
- H cross-section: ensures an improved strength-to-weight ratio and protects markings from abrasion
- BALL-LOCK : automatic locking with triple-action gate opening, with lock indicator



### K-CLASSIC (CLIMBING TECH.)

REF : MO09-2B

- Light alloy karabiner, ideal at the end of lanyards
- New automatic antiseizing spring locking, quick and easy
- Large clearance for clipping onto big diameter wire ropes
- Catch-free nose to avoid snagging when clipping and unclipping
- Color : Blue



### K-ADVANCE (CLIMBING TECH.)

REF : MO07-V

- Hot forged light alloy carabiner with double gate, ideal terminal connector for lanyards
- Ergonomic shape for an optimal handling, opening system that allows to clip and unclip with one hand
- Easy to use for children
- Double gate automatic locking, extremely quick and safe
- Large clearance for hooking onto big diameter wire ropes
- Catch-free nose to avoid snagging when clipping and unclipping
- With stainless steel wear-proof protection, for enhanced resistance to abrasion on wire ropes
- Color : Green



### OVAL STEEL (CLIMBING TECH.)

REF : MO02 SG SCREWGATE  
REF : MO12 WG TWIST-LOCK GATE



- Stainless-steel oval connector, ideal for use in chemically aggressive environments, off-shore operations and divers
- Symmetrical shape, ideal as harness karabiner or for connecting devices
- Traditional locking system ideal in dirty or muddy environments



### PILLAR STEEL TG (CLIMBING TECHN.)

REF : MO13

- Galvanised-steel oval connector with triplex twist-lock gate, ideal in harsh environments and particularly recommended to set up anchors or for use with large-section devices (e.g. pulleys, ascenders and mobile fall arresters, etc.)
- Symmetrical shape and optimal radius for rope insertion
- High strength, which allows the connector to be used as a karabiner for progression
- Equipped with catch-free closure for effortless clipping

### Am'D PIN-LOCK (PETZL)

REF : M34A PL

- Karabiner designed for use with groups : to fasten a harness or to connect a trolley to a continuous lifeline
- PIN-LOCK locking system is unlocked only with a special tool, limiting the risk of the user opening the karabiner
- Keylock system to avoid any involuntary snagging of the karabiner
- 2 unlocking tools :
  - \* for repeated manipulations, the unlocking pin can be installed directly on a glove
  - \* for immediate and occasional use, the unlocking ring can be kept on a carabiner on the harness
- H cross-section : ensures an improved strength-to-weight ratio and protects markings from abrasion





## QUICK LINKS

	REFERENCE	TYPE	Ø	MATERIAL	WORKING LOAD	BREAKING STRENGTH	PPE	WEIGHT
	MRNZ03.0	Normal	3 mm (0.1 in)	Zinc - plated steel	50 kg (110 lbs)	8.5 kN ↓↓	NO	5 g (0.01 lbs)
	MRNZ07.0	Normal	7 mm (0.3 in)	Zinc - plated steel	50 kg (110 lbs)	2750 kg ↓↓	NO	58 g (0.13 lbs)
	MRNZ08.0 EN	Normal	8 mm (0.3 in)	Zinc - plated steel	-	35 kN ↓↓	YES	77 g (0.17 lbs)
	MRNZ09.0 EN	Normal	9 mm (0.4 in)	Zinc - plated steel	-	45 kN ↓↓	YES	103 g (0.23 lbs)
	MRNZIC10.0 EN	Normal	10 mm (0.4 in)	Zicral	-	25 kN ↓↓	YES	49 g (0.11 lbs)
	MRNZIC10.0 EN R	Normal	10mm (0.4 in)	Zicral - Red (*)	-	25 kN ↓↓	YES	49 g (0.11 lbs)
	MRNZ10.0 EN	Normal	10 mm (0.4 in)	Zinc - plated steel	-	55 kN ↓↓	YES	137 g (0.30 lbs)
	MRNZ10.0 EN R	Normal	10 mm (0.4 in)	Zinc-Plated steel - Red (*)	-	55 kN ↓↓	YES	137 g (0.30 lbs)
	MRNZ10.0 EN V	Normal	10mm (0.4 in)	Zinc-Plated steel - Green (*)	-	55 kN ↓↓	YES	137 g (0.30 lbs)
	MRNI12.0	Normal	12 mm (0.5 in)	Inox	2.5 t	125 kN ↓↓	NO	238 g (0.52 lbs)
	MRGOZ07.0 EN	Large Opening	7 mm (0.3 in)	Zinc - plated steel	-	2500 kg ↓↓	NO	61 g (0.13 lbs)
	MRGOZ09.0 EN	Large Opening	9 mm (0.4 in)	Zinc - plated steel	-	4000 kg ↓↓	NO	118 g (0.26 lbs)
	MRGOZ10.0 EN	Large Opening	10 mm (0.4 in)	Zinc - plated steel	-	50 kN ↓↓	YES	157 g (0.35 lbs)
	MRDZ08.0 EN	Delta	8 mm (0.3 in)	Zinc - plated steel	-	27 kN ↓↓	YES	88 g (0.19 lbs)
	MRDZ08.0 EN V	Delta	8 mm (0.3 in)	Zinc-Plated steel - Green (*)	-	27 kN ↓↓	YES	137 g (0.30 lbs)
	MRDZ10.0 EN	Delta	10 mm (0.4 in)	Zinc - plated steel	-	55 kN ↓↓	YES	153 g (0.34 lbs)
	MRDZ10.0 EN V	Delta	10 mm (0.4 in)	Zinc-Plated steel - Green (*)	-	55 kN ↓↓	YES	153 g (0.34 lbs)
	MRPZ07.0	Pear-Shaped	7 mm (0.3 in)	Zinc - plated steel	320 kg (705 lbs)	16 kN ↓↓	NO	71 g (0.16 lbs)
	MRPZ08.0	Pear-Shaped	8 mm (0.3 in)	Zinc - plated steel	480 kg (1058 lbs)	24 kN ↓↓	NO	105 g (0.23 lbs)
	MRPZ09.0	Pear-Shaped	9 mm (0.4 in)	Zinc - plated steel	600 kg (1323 lbs)	30 kN ↓↓	NO	137 g (0.30 lbs)
	MRPZ10.0 EN	Pear-Shaped	10 mm (0.4 in)	Zinc - plated steel	-	36 kN ↓↓	YES	183 g (0.40 lbs)
	MRPZ12.0 EN	Pear-Shaped	12 mm (0.5 in)	Zinc - plated steel	-	44 kN ↓↓	YES	321 g (0.71 lbs)
	MRPZ12.0 EN R	Pear-Shaped	12 mm (0.5 in)	Zinc-Plated steel - Red (*)	-	44 kN ↓↓	YES	321 g (0.71 lbs)
	MRRDZ10.0 EN	Half-Moon	10 mm (0.4 in)	Zinc - plated steel	-	45 kN ↓↓	YES	153 g (0.34 lbs)
	MRRDE10.0 EN V	Half-Moon	10 mm (0.4 in)	Zinc-Plated steel - Green (*)	-	45 kN ↓↓	YES	153 g (0.34 lbs)
	MRPI16.0	Pear	16 mm (0.6 in)	Inox	2.7 t	13.5 t ↓↓	NO	754 g (1.66 lbs)



\* Possibility of using color code for participant safety



# FALL ARRESTERS

## ENERGY ABSORBER



### ASAP'SORBER - 20cm (7.9 in) (PETZL)

REF : L071AA 00

- Connects the ASAP mobile fall arrest device or ASAP LOCK to the harness
- Allows the user to move the rope away to free the work area and protect the rope from sharp tools and molten metal spraying
- Absorbs energy in case of falling by tearing of specific seams
- Weight : 100g (0.2 lbs)

## ASCENT DEVICES



### ISC ALF FALL ARRESTER BLOCK

REF : DE06

- Fall arrester with automatic return system
- Adapted to both vertical ascent and descent obstacles
- To be used with an Ø11 mm (Ø 0.43 in) Industrie (BEAL) safety rope
- Weight : 1.23 kg (2.7 lbs)

### TRUBLUE (HEADRUSH TECH.)

REF : DE17-12 12.50 m ROPE (41.0 ft)

REF : DE17-20 TRUBLUE XL - 20 m ROPE (65.7 in)



- Auto-belays
- Self-regulating induction braking system
- Designed without clutch release thus, eliminating a potential point of failure compared to other auto belay designs
- A webbing feeding system that maximizes the life of the webbing





### DEROPE STANDARD WITH ROPE (TRACTEL)

REF : DE03-20 20 m (65'7") ROPE  
 REF : DE03-30 30 m (98'5") ROPE  
 REF : DE03-40 40 m (131'3") ROPE

- Rescue descender allowing to bring back to the ground, in safety, a person at a height
- Delivered with a rope and 2 connectors



### COMPLETE RODEOSTOP FALL ARRESTER WITH 20 M (65,61 FT) ROPE

REF : AC09-20

- It can be used for both inclining and declining vertical activities.
- Weight : 3,700 kg (8,16 lbs).



### I'DS DESCENDER (PETZL)

REF : D020AA00

- Self-braking descender for ropes
- Anti-error safety catch to reduce the risk of an accident due to incorrect installation of the device on the rope
- The anti-panic function is engaged if the user pulls too hard on the handle
- For ropes between Ø10 and Ø11.5 mm (Ø 0.4 to Ø 0.43 in)
- Weight : 530 g (1.2 lbs)



### I'DL DESCENDER (PETZL)

REF : D020BA00

- Self-braking descender for ropes
- Anti-error safety catch to reduce the risk of an accident due to incorrect installation of the device on the rope
- The anti-panic function is engaged if the user pulls too hard on the handle
- 2 versions available (for 2 rope diameters)
- For ropes between Ø12.5 and Ø 13 mm (Ø 0.43 to Ø 0.51 in)
- Weight : 530 g (1.2 lbs)



### GRIGRI + (PETZL)

REF : D13A G

- Belay device with cam-assisted blocking, designed for the gym and crag
- The ergonomic handle allows you to easily unblock the rope and lower someone
- Anti-panic handle: if the user pulls too hard on the handle, the anti-panic function engages
- Weight : 200 g (0.4 lbs)



### GRILLON LANYARD (PETZL)

REF: L052AA0L

- Adjustable lanyard for working position
- The mechanical adjustment system enables to easily adjust the length and the tension between 2 attachment points
- Length : 3 m (9'10")
- Weight : 530 g (1.2 lbs)



### 3 M (9,84 FT) ROPE FOR GRILLON LANYARD (PETZL)

REF: L052FA01

- Replacement rope for Grillon.
- Can be used with old Grillon lanyards (before 2018) and with new ones (after 2018).





## RESCUE KITS



### RESCUE KIT

**REF : PK06-20** Complete Rescue Kit Backpack - Up to 20 m (65'7")

- Includes : Bag (PETZL) 45 l + 1 K-Classic red gate karabiner + 3 Express slings 17 cm (6.7 in) + 3 L string to hold karabiners in place (for lanyards 15-20 mm / 0.6-0.8 in wide) + 1 Lime Straight karabiner + 1 Spatha knife + 6 oval steel karabiners WG automatic locking + 2 metres (6'6") white polyamid threaded cord Ø5 mm (Ø 0.2 in) + 1 Derope STD 20 m (65'7") rope + 1 IDS descender for ropes Ø10-11.5mm (Ø 0.4 - 0.43in) + 20 metres (65.6 ft) Antipodes rope Ø10,5 mm (Ø 0.4 in) + 1 blue flat web sling 80 cm (31'5") + 2 White Vertex Vent helmets 53-63 cm (20.9 - 24 in) + 2 pouches for rescue kit rope  
- Weight : 8.9 kg (19.6 lbs)

**REF : PK06-30** Complete Rescue Kit Backpack - Up to 30 m (98'5")

- Includes : Bag (PETZL) 45 l + 1 K-Classic red gate karabiner + 3 Express slings 17 cm (6.7 in) + 3 L string to hold karabiners in place (for lanyards 15-20mm / 0.6-0.8 in wide) + 1 Lime Straight karabiner + 1 Spatha knife + 6 Oval steel karabiners WG automatic locking + 2 metres (6.6 ft) white polyamid threaded cord Ø5 mm (Ø 0.2 in) + 1 Derope STD 30 m (98.5 ft) rope + 1 IDS descender for ropes Ø10-11.5mm (Ø 0.4 - 0.43 in) + 30 metres (98.4 ft) antipodes rope Ø10,5 mm (Ø 0.4 in) + 1 blue flat web sling 80 cm (31.5 in) + 2 White vertex vents helmets 53-63 cm (20.8 - 24.8 in) + 2 pouches for rescue kit rope  
- Weight : 10.75 kg (22 lbs)







## ACCESSORIES



### PERSONNEL BACKPACK (PETZL)

REF : S44Y 015 15 l (3.3 gal)  
 REF : S43Y 030 30 l (6.6 gal)  
 REF : S42Y 045 45 l (9.9 gal)

- Durable backpack | Oval-shaped bottom
- Side handle and top loop for carrying and hauling + Adjustable straps
- Welded construction for greater strength



### EXPLOBAG (AVENTURE VERTICALE)

REF : EQ04

- Rectangular caving bag
- Closes with both self grip and clip fasteners
- Internal space for hammer handle
- Attachment ring to snap on the belt of the caving sit-harness
- Height : 29 cm (11.4 in) | Width : 17 cm (6.7 in) | Depth : 8 cm (3.1 in)
- Weight : 200 g (0.4 lbs)



### GENIUS BUCKET (BEAL)

REF: EQ06

- 20 l (5.3 gal) bucket for tool carrying
- Clic clac pocket closure system
- Rigid carrying handle (max. 50 kg [110.2 lbs]), waterproof pocket, reinforced base
- Weight : 1.08 kg (2.2 lbs)



### GENIUS SIMPLE POCKET (BEAL)

REF : EQ11-S

- Bag for carrying small tools and fastenings
- Clic clac express closure
- Magnetic plate for temporary storage on the outside of the pocket
- Height : 23 cm x 15 cm (9.1 in x 5.9 in)
- Weight : 180 g (0.4 lbs)



### Caritool (Petzl)

REF : P042AA Taille S  
 REF : P042AA01 Taille L

- Enables to grab and stash away tools single handed.
- Slides into harness straps and remains in an upright position.
- Small hole on top to attach a cord to the tools to prevent dropping gear.





### AIR LEASH (BEAL)

REF : EQ10

- Extendable gear loop allowing tools to remain attached whilst in uses
- Extendable spiral cord & gear loop designed to attach tools
- Keylock system
- A reinforced webbing loop on the gear loop to clip tools to the harness using a karabiner between uses
- Weight : 55 g (0.12 lbs)



### Pixa 3 (Petzl)

REF : E78CHB 2

- Mounting plate for helmets included, operates on 2 AA/LR6 batteries (included).
- IP67: waterproof to -1 m (- 3,28 ft) for 30 minutes.
- Power : 100 lumens.



### BIG GLUE-IN ANCHOR (CLIMBING TECHNOLOGY)

REF : QU107

- Stainless steel anchor to be installed with chemical resin for use with heavy workload
- Ideal for use in corrosive environments
- AISI 304 stainless steel
- Weight : 200 g (0.4 lbs)



### BAT'INOX (PETZL)

REF : G102AA00-U

- Ø14 mm (Ø0.6 in) resin anchor
- Length : 10 cm (3.9 in)
- Material : forged stainless steel
- Ring breaking strength : 50 kN
- Weight : 250 g (0.6 lbs)



### NITRILE GLOVE WITH PIMPLES

REF : EQ12-09

- Ventilated back
- T9
- Weight : 30g (0.07 lbs)





### WHISTLE

REF : EQ07

- Allows the user to alert in the event of an incident
- Weight : 7g (0.01lbs)



### WHISTLE POUCH

REF : EQ08

- To be positioned on the harness belt
- Weight : 9g (0.02 lbs)



### MOBCAP

REF : EQ01

- Round polypropylene mobcap for hygienic protection for helmets.
- Diameter : 53 cm (20,86 in).
- One-size-fits-all.
- Weight : 400 g (0,88 lb) a box.





## SALES, DELIVERY TERMS & CONDITIONS

### GENERAL PRINCIPLES

These General Terms of Sale apply in their entirety to all sales of ALTUS / KOALA EQUIPMENT products in France and Worldwide.

They prevail over any general terms of purchase or other documents issued by the Client, regardless of the terms.

Any order sent to ALTUS / KOALA EQUIPMENT implies unconditional acceptance of ALTUS / KOALA EQUIPMENT's prices and these General Terms of Sale. They supersede all previous general terms of sale.

The fact that ALTUS / KOALA EQUIPMENT does not invoke at a given time, any of these General Terms of Sale shall not be construed as a waiver to subsequently enforce any of the said terms.

#### Ordering

There are different ways of ordering :

- online on our website : [www.koala-equipment.com](http://www.koala-equipment.com)
- by phone on 0033 (0)4 50 97 50 19 from Monday to Friday from 8am to 12am and from 1:30pm to 5pm (French hours)
- by e-mail at : [info@koala-equipment.com](mailto:info@koala-equipment.com)
- by fax on 0033(0)4 50 97 50 11
- or by (snail) mail : ALTUS / KOALA EQUIPMENT - 1191 route de Bidaille - 74930 SCIENTRIER - FRANCE.

To validate your order, please fill out the required information (selected products, payment method, delivery information, e-mail) and make your payment.

Orders can only be carried out by an adult (≥18 years old).

#### Confirmation of your order

Upon receipt of your order, a quote will be sent indicating the shipping cost of your package and the amount for the materials ordered. We undertake to send you this quote within 48 hours (French working days).

Upon receipt of our e-mail quote, 3 methods of payment are available to confirm your order :

- by credit card through a secured link.
- by phone with your credit card number.
- by check if your bank is in France.

The order will become final once ALTUS / KOALA EQUIPMENT has confirmed by e-mail.

#### Pricing

Product prices are shown without VAT. Your invoice will include VAT if applicable. The VAT rate applied will be the one in place in France when you validate your order. An order is validated when the payment is received. In case of a change in the VAT rate the new rate will apply to all those orders not validated with a payment.

Product prices are exclusive of shipping costs, customs fees and tax.

All prices may be subject to typographical errors.

Discounts apply to the online store pre-tax prices and do not include transport fees. There are no discounts on the purchase of Freestanding courses.

Pricing could change due to exchange rate modifications.

#### Package, postage & shipping costs

Shipping costs will be charged in addition to the price of the product, according to the weight and size of the parcel. They are calculated as accurately as possible by choosing the most suitable carrier for your package based on your shipping address.

Upon receipt, open the package in front of the carrier. If damaged in shipping, inform the carrier by making all reservations on the carrier's delivery voucher as he alone is responsible. Confirm in writing by registered letter within three days. The shipping company should compensate you.

#### Payment

You can make your payment by check if your bank is in France or by credit card which is the fastest and the most convenient method.

Credit cards issued by banks outside France must be international bank cards. When paying by credit card, the amount of your order is debited at the time of dispatch.

Payment by check is only possible for checks in Euros drawn on a bank in France. The check will be cashed upon receipt.

The check should be made payable to «ALTUS / KOALA EQUIPMENT», and sent to the following address :

ALTUS / KOALA EQUIPMENT  
1191 Route de Bidaille  
74930 SCIENTRIER FRANCE

The items will only be sent once the check has been cashed.



#### Retention of title

The goods remain our property until full payment. Risks relating to the goods sold (loss, damage) are however transferred to the buyer upon dispatch from our premises.

#### Invoices

The invoice is sent in the package with your delivery. If the billing address is different from the delivery address, the invoice will be sent by e-mail or by post. Please note that purchase orders and confirmations cannot serve as invoices.

#### Complaints

Any dispute about the nature or quantity of items received must be communicated to us within 48 hours of receipt. We will attempt to solve any difficulties to do with your orders and their payment with you directly. Understanding and good will can dispel many incidents ... of which there are thankfully few. However, if no solution were to be found, all disputes will be dealt with by the Commercial Court, 10 rue de l'Hotel de Ville, 74200 Thonon les Bains, France.

#### Cancellation rights

You have 7 days after purchase, to return a product without having to justify its return. The material must obviously be new, in perfect condition and returned in its original packaging. Together with the material, which must be returned at your own expense (any collect shipment will be refused), please enclose an explanatory letter and the invoice or a photocopy of the invoice. In case of an error on our part or a product defect, the shipment costs will be refunded based on standard postage fees.

#### Guarantee

Before returning a product, to avoid any misunderstanding please consult with us.

Used items : the items are sold under manufacturer warranty.

Wear and tear is obviously excluded from this warranty.

Any items returned for repair or warranty claim must be clean and dry.

#### Precautions regarding the use of material

Improper installation or use of equipment and materials for High Wire Adventure Courses is potentially dangerous (risk of death) ; for your safety you must ensure that you fully master the installation of materials and equipment before use. ALTUS / KOALA EQUIPMENT disclaims any liability or responsibility for accidents.

#### Compliance with the instructions for use of PPE

Each PPE (Personal Protective Equipment) comes with an instruction manual as laid down by the European standard. It is the buyer's responsibility to comply.

### TERMS OF DELIVERY

#### Shipping costs

The first stage of the confirmation of the order requires that you create an account as the shipping address is important for shipping fees.

Shipping fees are always calculated on a case by case basis, upon receipt of your order.

A quote is then sent indicating the shipping costs for your package and the amount for the materials ordered.

We undertake to send you this quote within 48 hours (French working days).

Upon receipt of our e-mail quote, 3 methods of payment are available to complete your order :

- by credit card through a secured link
- by phone with your credit card number
- by check if your bank is in France.

We can dispatch items to virtually any address in the world. However, warranty issues, manufacturer restrictions and customs laws prevent us from shipping certain products to certain geographical locations.

#### Delivery

Orders are dispatched the day we receive your payment (depending on the availability of the product and the delivery company).

In France : Delivery time is 48 to 72 hours (depending on the availability of the product and the delivery company).









































































#### Availability

In case the product is not in stock, delivery times will be in function of manufacturers' and/or suppliers' deadlines.

In the event of unavailability of a product after placing your order, we will notify you by e-mail or phone once we have received the information from the suppliers. Your order will be cancelled and you will be refunded within 30 days of your payment.











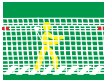


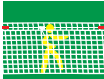





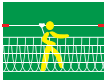
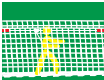





































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RCS Thonon les Bains : 411 354 962 00044 / Legal Notice/ Sales terms  
TEL : 00 33(0)4 50 97 50 19 / e-mail: info@koala-equipment.com



	<b>101*</b> Bosun's Chair		<b>125</b> Tibetan Bridge		<b>149</b> Sherwood Crossing
	<b>102*</b> Log Balance		<b>126*</b> Trapper's Crossing		<b>150</b> Jamor Crossing
	<b>103*</b> Amazon Bridge		<b>127*</b> Plank Crossing		<b>171*</b> Shunxin Crossing
	<b>104*</b> Grandpa's Crossing		<b>128</b> Rope Passage		<b>172*</b> Talloires Crossing
	<b>105</b> Canyon Crossing		<b>129*</b> Wobbly Ladder		<b>173*</b> Skate Slide
	<b>106</b> Victoria Bridge		<b>130*</b> Zigzag Bridge		<b>174*</b> Pnotta Bridge
	<b>107</b> Stirrups		<b>131*</b> Stepping Stones		<b>175*</b> Needwood Crossing
	<b>108</b> Infernal Traverse		<b>132*</b> Tunnel Crossing		<b>176*</b> Pännjarve Bridge
	<b>109*</b> Jungle Crossing		<b>133</b> Tightrope Walk		<b>177*</b> Zigzag Trapeze
	<b>110*</b> Net Bridge		<b>134*</b> Chinese Crossing		<b>178</b> Half Zigzag Trapeze
	<b>111*</b> Spider's Web		<b>135</b> Double Stirrups		<b>179*</b> Evje Crossing
	<b>112*</b> Trapeze		<b>136</b> Half Stirrups		<b>180*</b> Coed Crossing
	<b>113*</b> Railtrack		<b>137*</b> Alpine Zip Slide		<b>181*</b> Flying Carpet
	<b>114</b> Log Swing		<b>138</b> Chantemerle Bridge		<b>182</b> Half Flying Carpet
	<b>115*</b> Zip Slide		<b>139</b> Overhanging Crossing		<b>183*</b> Criss Crossing
	<b>116*</b> Indian Bridge		<b>140</b> Giant's Step		<b>184*</b> Half Criss Crossing
	<b>117</b> Tarzan Swing		<b>141</b> Half Stepping Stones		<b>185*</b> Tic Tac Toe
	<b>118*</b> Shuffle		<b>142*</b> Turtle Bridge		<b>186*</b> Half Tic Tac Toe
	<b>119*</b> Goat Crossing		<b>143</b> Tank Trap		<b>187*</b> Itchen Crossing
	<b>120*</b> Japanese Bridge		<b>144</b> Rope Trapeze		<b>188</b> Fuji Crossing
	<b>121*</b> Net Canyon		<b>145*</b> English Crossing		<b>189*</b> Chess Crossing
	<b>122*</b> Log Bridge		<b>146*</b> Bedok Bridge		<b>190*</b> Half Chess Crossing
	<b>123</b> Half Trapeze		<b>147*</b> Yamazoe Steps		<b>191</b> Pirate Crossing
	<b>124*</b> Ladder Crossing		<b>148*</b> Velbert Bridge		<b>192*</b> Big U

\* Recommended activities on children's courses



	<b>193</b> Small U		<b>218</b> Half Khatanga Net	<b>Vertical Activities</b>	
	<b>194*</b> Aravis Crossing		<b>219* New</b> Beppu		
	<b>195*</b> Crossing Wall		<b>220* New</b> Seesaws		<b>151</b> Rope Ladder
	<b>196*</b> Half Pipe		<b>221* New</b> Suspended Stairs		<b>152</b> Tree Trunk Ladder
	<b>197*</b> Coolongalook Crossing		<b>222* New</b> Slack Bridge		<b>153</b> Scramble Net
	<b>198*</b> High Tibetan Bridge		<b>223* New</b> High Tank Trap		<b>154</b> Apple Picker's Ladder
	<b>199*</b> Uluwatu		<b>224* New</b> Mamushi		<b>155</b> Log Ladder
	<b>200</b> Half Uluwatu		<b>225* New</b> Elves Bridge		<b>156</b> Mallards Ladder
	<b>202*</b> Net & Plank Tunnel		<b>226 New</b> Half Elves Bridge		<b>157</b> Parrot Ladder
	<b>203*</b> Water Lily		<b>227*</b> Net Tunnel		<b>158*</b> Miller's Stairs
	<b>204*</b> Half Water Lily		<b>228* New</b> Prisoner's Bridge		<b>159</b> Climbing Wall
	<b>205*</b> Khatanga Crossing		<b>229* New</b> Slalom		<b>160*</b> Fisherman's Trap
	<b>206*</b> Half Khatanga Crossing		<b>230* New</b> Prisoner's Climbing Holds		<b>162*</b> Wooden Fisherman's Trap
	<b>207*</b> Chamonix Crossing		<b>231* New</b> Oural Trapeze	<b>On Rock Activities</b>	
	<b>208*</b> Half Chamonix Crossing		<b>232 New</b> Half Oural Trapeze		
	<b>209</b> Skyfall		<b>233* New</b> Altaï Boards		<b>161</b> Rock Ladder
	<b>210</b> Fairy Bridge		<b>234 New</b> Half Altaï Boards		<b>201*</b> Rock Crossing
	<b>211*</b> High Fairy Bridge		<b>235* New</b> Plank Swing		
	<b>212</b> Half Coolongalook Crossing		<b>236 New</b> Half Plank Swing		
	<b>213*</b> Montalivet Crossing		<b>237* New</b> High Log Swing		
	<b>214*</b> Half Montalivet Crossing		<b>238* New</b> Tiki Bridge		
	<b>215*</b> Dual Coolongalook				
	<b>216</b> Half Dual Coolongalook				
	<b>217*</b> Khatanga Net				

\* Recommended activities on children's courses



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