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**CONTINUOUS BELAY SYSTEM**

**WIRE ROPE OBSTACLE ROPE & NETS**

**PROTECTION PPE EQUIPMENT**

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# CONTINUOUS BELAY SYSTEM WITH PULLEY



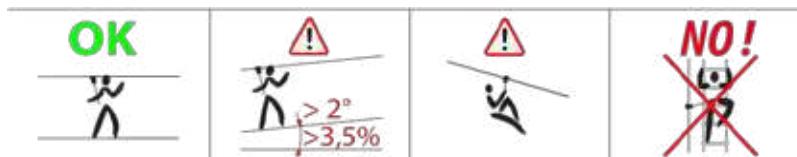
## FUNCTION OF THE CONTINUOUS BELAY SYSTEM

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.

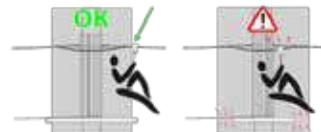


KOALA EQUIPMENT continuous belay system and its components are compatible with KOALA EQUIPMENT POULIZ only.

## 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 1/2" in depending on the materials you have chosen.  
Never install materials designed for Ø 1/2" 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



## ACTIVITY ARM

| PAGE 5                    **ON RINGO**

| PAGE 6                    **ON WIRE ROPE DEAD TURN  
& MOUNTED SHACKLE LOCK**

## ZIPLINE ARM

| PAGE 7                    **ON RINGO**

| PAGE 8                    **ON WIRE ROPE SLING**

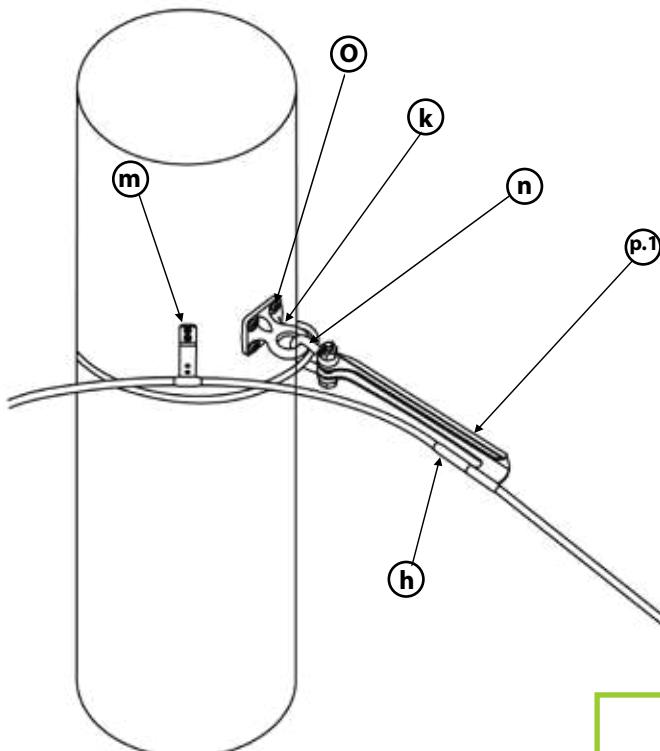
| PAGE 9                    **ZIPLINE ADJUSTMENT PLATES**



# ACTIVITY ARM INSTALLATION



## ACTIVITY ARM FIXED ON RINGO



### INSTALLING A CONTINUOUS BELAY SYSTEM FOR ACTIVITY ON RINGO

| BREAKING LOAD : 60 kN

#### Installation tips



**Helical wood drill bit 8 x 235mm**  
REF : OU41-8X235  
Drilling for RingO screw in softwood



**Helical wood drill bit 10 x 235 mm**  
REF : OU41-10X235  
Drilling for RingO screw in hardwood

	Reference	Name	Product		Reference	Name	Product
(p.1)	ME300-F	<b>Arm activity</b>		(m)	ME48-F	<b>Screw-on metal bracket</b>	
(h)	ME15	<b>Ferrule - 85 mm (3.35 in) long to be crimped</b>		(o)	QU74 12X180E	<b>RingO screw</b>	
(k)	ME320	<b>RingO</b>		(n)	QU112-325	<b>Bow shackle b + p 5/8» - wll 3,25 t</b>	



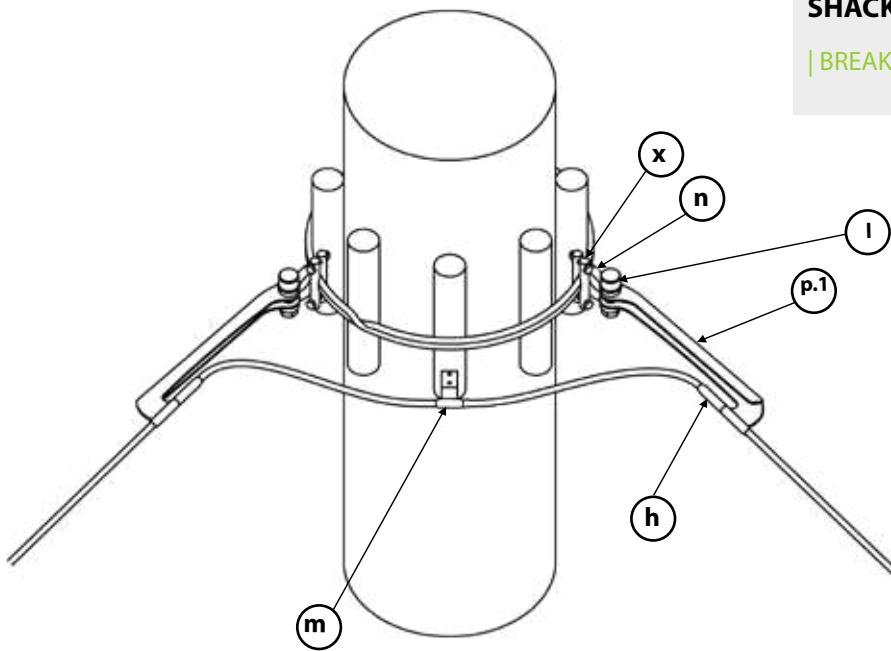
# ACTIVITY ARM FIXED ON WIRE ROPE DEAD TURN & MOUNTED SHACKLE LOCK



## INSTALLING A CONTINUOUS BELAY SYSTEM WITH WIRE ROPE DEAD TURN & MOUNTED SHACKLE LOCK

| BREAKING LOAD : 60 kN

Scan to see the installation video



### Installation tool



**Dead turn clamping tool  
+ 2 Cable pullers**

REF : ME302

See page 23

### Installation tips



**Activity arm extension**

REF : ME303-F  
ME303-AC (With accessories)

See page 12

	Reference	Name	Product		Reference	Name	Product
(p.1)	ME300-F	<b>Arm activity</b>		(h)	ME15	<b>Ferrule - 85 mm (3.35 in) long to be crimped</b>	
(n)	QU112-325	<b>Bow bolt and nut shackle with 3,25 tons</b>		(m)	ME48-F	<b>Screw-on metal bracket</b>	
(x)	ME301-F	<b>Shackle lock</b>		(l)	PR12-M20	<b>Self-locking cap for M20 nut</b>	



# ZIPLINE ARM INSTALLATION

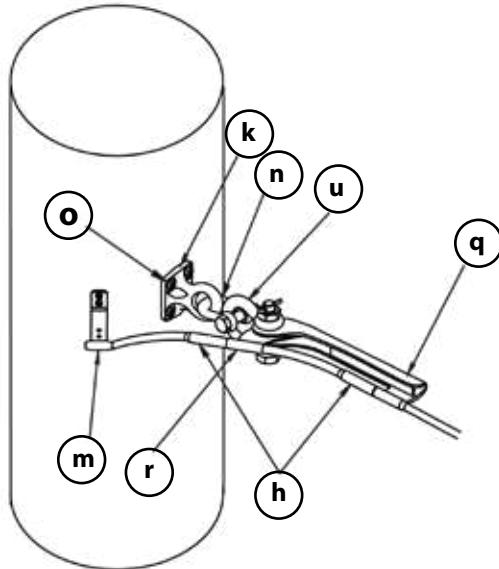


## ZIPLINE ARM FIXED ON RINGO

Less than 150 metres long (492'1")

**ZIPLINE START AND ARRIVAL FOR TREE TO  
TREE OR LESS THAN 150 METERS LONG  
ZIPLINE**

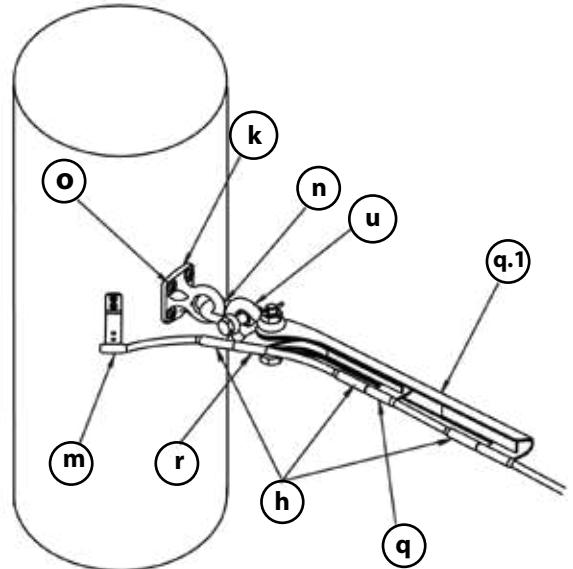
| BREAKING LOAD : 100 kN



More than 150 metres long (492'1")

**ZIPLINE START AND ARRIVAL FOR MORE  
THAN 150 METERS LONG ZIPLINE**

| BREAKING LOAD : 140 kN



	Reference	Name	Product		Reference	Name	Product
(q)	ME76-V2F	Arm for zipline		(q.1)	ME310-F	Arm for long zipline	
(d)	ME77-F	Zipline adjustment plate L		(r)	ME78-V2F	Back-up for zipline arm	
(d.1)	ME312-F	Zipline adjustment plate XL		(o)	QU74 12X180E	RingO screw	
(k)	ME320	RingO		(m)	ME48-F	Screw-on metal bracket	
(h)	ME15	Ferrule - 85 mm (3.35 in) long to be crimped		(n)	QU112-325	Bow bolt and nut shackle wll 3,25 tons	
(u)	QU112-650	Bow bolt and nut shackle wll 6,5 tons					



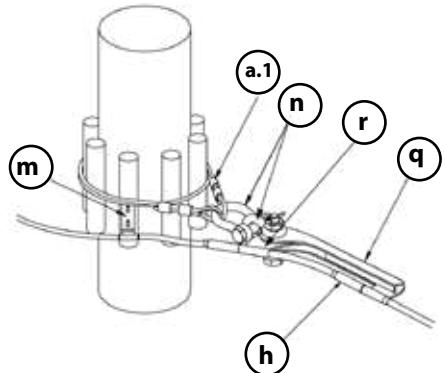
# ZIPLINE ARM FIXED ON WIRE ROPE SLING



Less than 150 metres long (492'1")

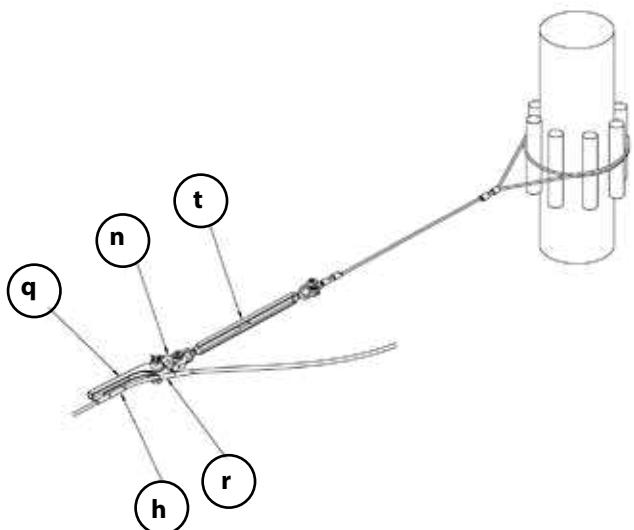
## ZIPLINE START TREE TO TREE OR TO THE GROUND

| BREAKING LOAD : 100 kN



## ZIPLINE ARRIVAL ON THE GROUND

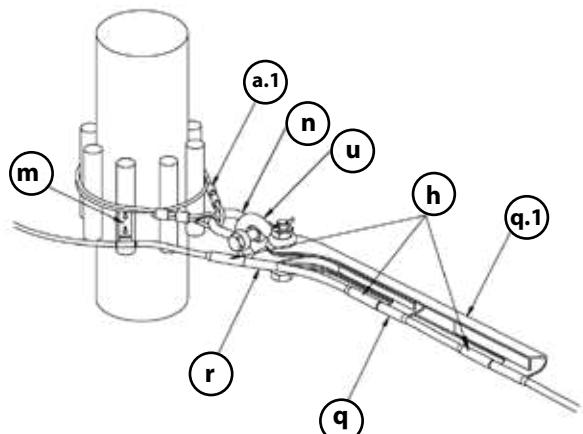
| BREAKING LOAD : 100 kN



More than 150 metres long (492'1")

## ZIPLINE START AND ARRIVAL FOR MORE THAN 150 METERS LONG ZIPLINE

| BREAKING LOAD : 126 kN



### Installation tips

#### +

**Zipline pulling tool**

REF : ME309



#### +

**Long zipline pulling tool**

REF : ME313

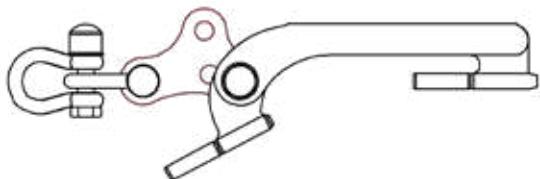
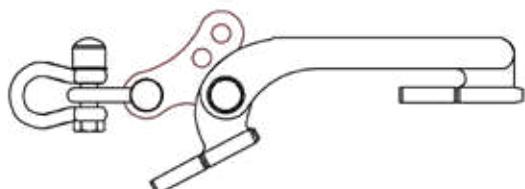
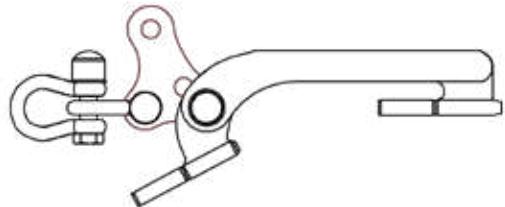
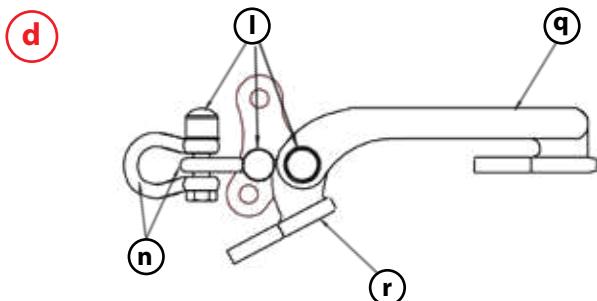


See page 12

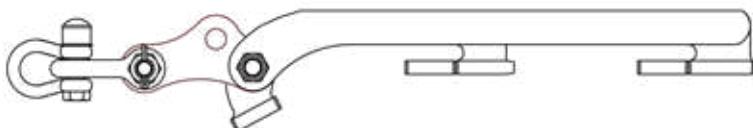
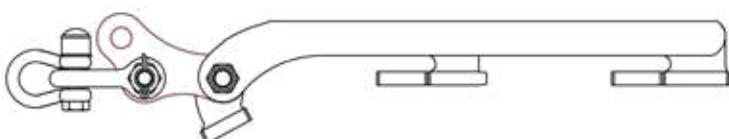
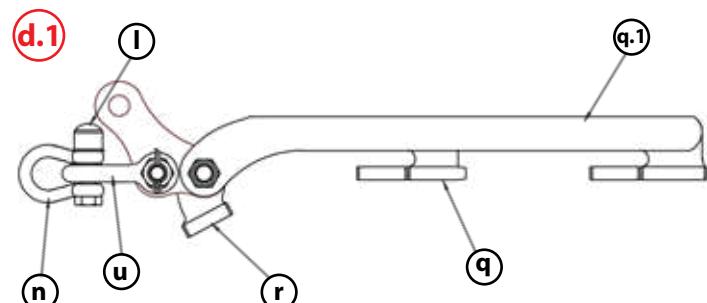
	Reference	Name	Product		Reference	Name	Product
(q)	ME76-V2F	<b>Arm for zipline</b>		(q.1)	ME310-F	<b>Arm for long zipline</b>	
(a.1)	CA06-10	<b>ø12mm(0.47in) swaged wire rope 2 thimbles - cut to size</b>		(r)	ME78-V2F	<b>Back-up for zipline arm</b>	
(h)	ME15	<b>Ferrule - 85 mm (3.35 in) long to be crimped</b>		(n)	QU112-325	<b>Bow shackle b + p 5/8" - wll 3,25 t</b>	
(u)	QU112-650	<b>Bow bolt and nut shackle wll 6,5 tons</b>		(m)	ME48-F	<b>Screw-on metal bracket</b>	
(t)	QU55-305 QU55-457	<b>2 clevis turnbuckle</b>		(i)	PR12-M20	<b>Self-locking cap for M20 nut</b>	

# ZIPLINE ADJUSTMENT PLATES

## Zipline adjustment plate L



## Zipline adjustment plate XL

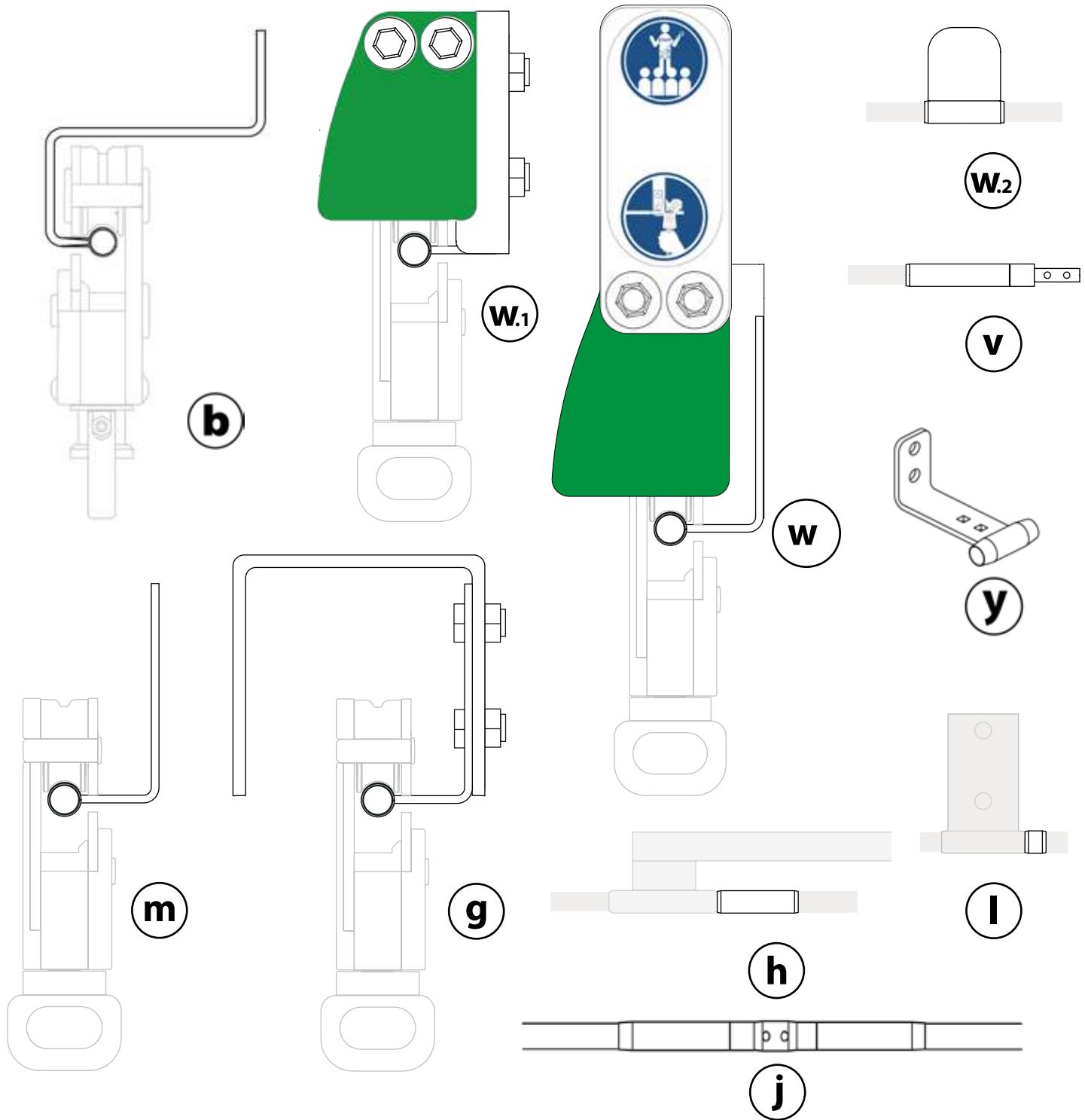


	Reference	Name	Product		Reference	Name	Product
(q)	ME76-V2F	Arm for zipline		(q.1)	ME310-F	Arm for long zipline	
(d)	ME77-F	Zipline adjustment plate L with accessories		(r)	ME78-V2F	Back-up for zipline arm	
(d.1)	ME312-F	Zipline adjustment plate XL with accessories		(n)	QU112-325	Bow shackle b + p 5/8" - wll 3,25 t	
(u)	QU112-650	Bow shackle b + p - wll 6,50 t		(l)	PR12-M20	Self-locking cap for M20 nut	

# ACCESSORIES



## ACCESSORIES FOR CONTINUOUS BELAY SYSTEM





### METAL BRACKET

REF : ME48-F



### ELONGATED BRACKET

REF : ME325-F



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, above a platform.

### BRACKET WITH COLLAR

REF : ME50-AC



The Bracket with collar, 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 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, above a platform. **It can be installed on the already crimped continuous belay system.**



### 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.

### METAL BRACKET

REF : ME48-F

### INVERTED BRACKET

REF : ME326-F



Depending on which way the continuous belay is installed around the support, you can install an inverted bracket. The INVERTED BRACKET is not a safety device and cannot replace the arms. It is therefore essential that they are only installed between the arms, above a platform.



### METAL BRACKET INVERTER

REF : ME49-F



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



### BACK-STOP

REF : ME114-F



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



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

REF : PR27

*Spare part*

**W.2****BACK-STOP FERRULE**

REF : ME11-FUS



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 for easy replacement of the new Y 2.0 SWAPPER (Y) without cutting the wire rope.

**j****REMOVABLE CONNECTING FERRULE - Ø12 mm or 1/2 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 - 85 mm (3.35 in) LONG TO BE CRIMPED**

REF : ME10

The purpose of the 85 mm (3.35 in) FERRULE TO BE CRIMPED (H) is to be swaged onto a wire rope, to put it under tension :

-Horizontal activity: 1 ferrule / arm (QU35-1 or ME75-F).

-Zipline < 200 m: 1 ferrule / arm (ME76V2-F) + 1 ferrule/ back-up (ME78-V2F).

-Zipline > 200 m: 1 ferrule / arm (ME310-F) + 1 ferrule 85 mm / arm (ME76V2-F) + 1 ferrule 85 mm / back-up (ME78-V2F).

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 METAL BRACKET (M). FERRULE - 18 mm (0.7 in) TO BE CRIMPED (L) METAL BRACKET (M) can never replace a FERRULE - 85 mm (3.35 in) TO BE CRIMPED (H), even if there are many of them.

**d****ZIPLINE ADJUSTMENT PLATE L**

REF : ME77-F

THE ZIPLINE ADJUSTMENT PLATE L is designed to adjust the tension of a zipline cable of less than 150 meters. The traction must be applied directly in line with the axis of the plate.

**d.1****ZIPLINE ADJUSTMENT PLATE XL**

REF : ME312-F

THE ZIPLINE ADJUSTMENT PLATE L is designed to adjust the tension of a zipline cable of more than 150 meters. The traction must be applied directly in line with the axis of the plate.

**ZIPLINE PULLING TOOL**

REF : ME309

The ZIPLINE PULLING TOOL is used to grip and pull the zipline arm, allowing you to apply a force opposite to that exerted during the tensioning of the zipline

**LONG ZIPLINE PULLING TOOL**

REF : ME313

The LONG ZIPLINE PULLING TOOL is used to grip and pull the long zipline arm, allowing you to apply a force opposite to that exerted during the tensioning of the zipline

**ACTIVITY ARM EXTENSION**REF : ME303-F  
ME303-AC (With accessories)

The purpose of the activity arm extension is to shift the continuous belay system away from the tree or the structure.

Fixing accessories: TH20x50 screw; M20 nyloc nut; self-locking end cap.



## PULLEY

**Z.1**

**POULIZ 3.2**  
REF : PO13-2



**LANYARD ATTACHMENT**  
| NEW |  
WITH DETACHABLE SWIVEL



**OPEN / CLOSED**  
WITH LOCKING TOOL



**COVER  
POULIZ 3.2**

REF : PR30-R

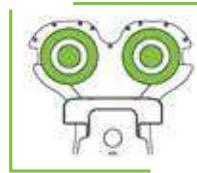
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**STAINLESS-STEEL BODY EXTENDED**  
| NEW |



**COMPLETELY REMOVABLE**  
| NEW |



**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)**

810 g.  
(1.79 lbs)

80 km / h  
50 mph  
MAX.

- COMPLIES WITH GUIDELINE 2016/ 425 / EEC
- COMPLIES WITH STANDARD EN17109: 2020 + A1-2024
- MARKING UKCA

- MADE IN FRANCE
- GUARANTEED FOR 3 YEARS



**OPENING  
TOOL FOR  
POULIZ 3.2**

REF : ME184



**POCHETTE  
POULIZ 3.2  
& SWITCH**

REF : EQ13



**HANDLE FOR  
POULIZ 3.1 &  
3.2**

REF : ME115-V2F Z30



**HANDLE FOAM-  
POULIZ 3.1**

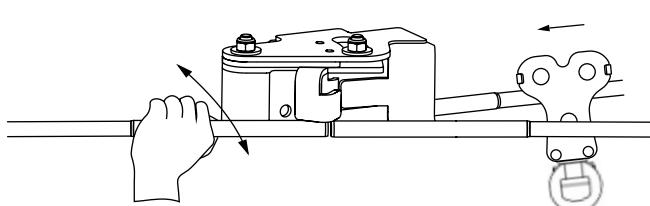
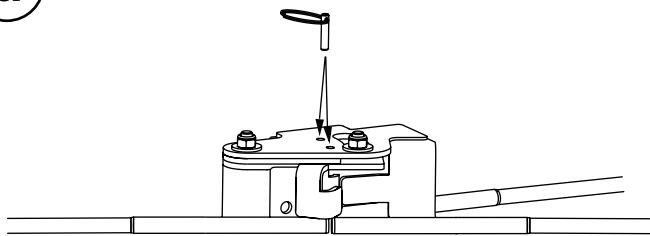
REF : PR29

*Spare part*

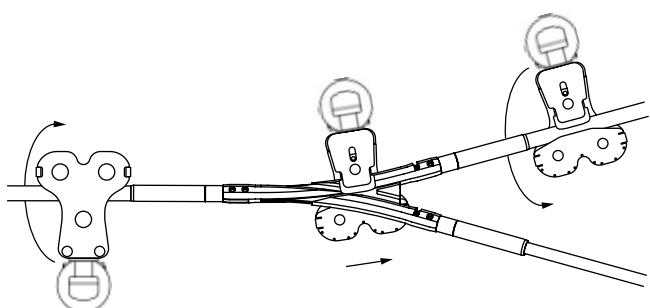
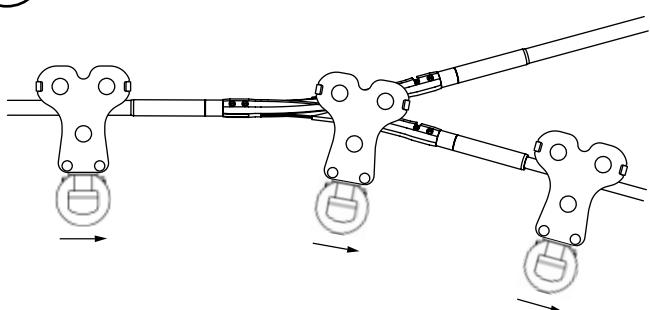
# SWAPPERS



**u**



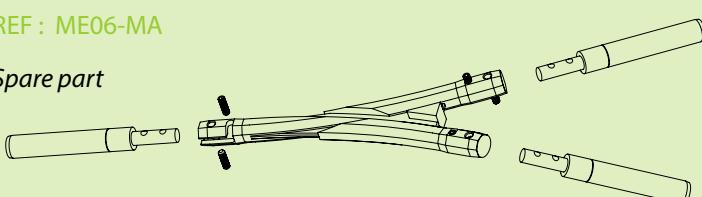
**y**



## REMOVABLE FERRULE

REF : ME06-MA

Spare part



## CONTINUOUS BELAY SYSTEM SWAPPER

REF : ME09-1V21 right  
ME09-3V21 left



- 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, 3.1 and 3.2. This device is not compatible with KOALA EQUIPMENT POULIZ 1.0 pulley nor with any other connectors.

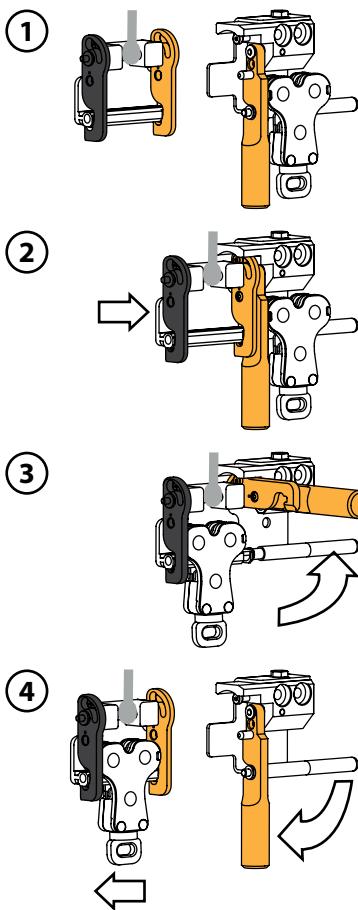
- There are 2 ways of operating this type of swapper:  
1. The user chooses to follow the way ahead in alignment with the swapper, so he / she just pushes the pulley along normally.  
2. The user chooses to go the other way and therefore has to tilt the pulley so that it is upside down, then passes the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

Thanks to the 3 removable ferrules (page 12), 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



The SWITCH is a device composed of stations and a shuttle which guarantees 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.

### SWITCH STATION

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



### SWITCH SHUTTLE

REF : ME86-F



Scan to see the usage video

### SWITCH POCKET

REF : EQ13

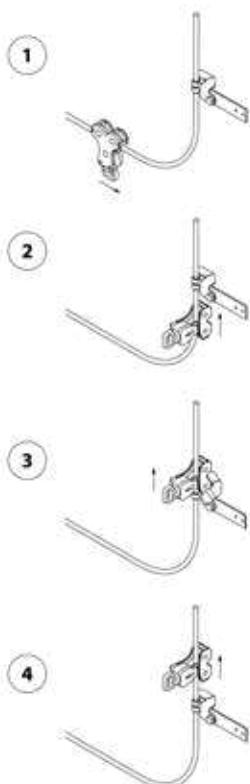


### TARZAN LANYARD

REF : AC14-RV



## CLIMB-UP



### CLIMB-UP

REF : ME208-F

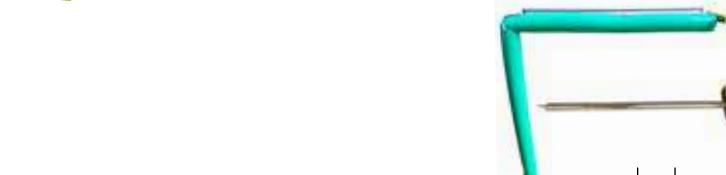


CLIMB-UP, the new fall arrester for rigid vertical ladders.

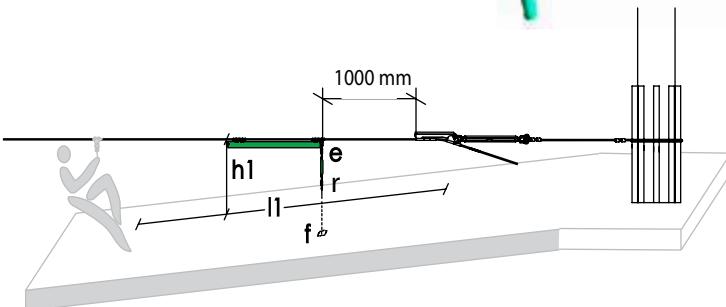
- Simple to install on the side rails
- Easy to use for participants
- Adapted to KOALA EQUIPMENT continuous belay only
- Compatible with rigid vertical ladders only



# CONTINUOUS & SELF BELAY SYSTEM ZIP BRAKES



**Emergency zipbrake 1 m (3,28 ft) with energy absorber**



REF : AC30-1000V2

Scan to see the usage video



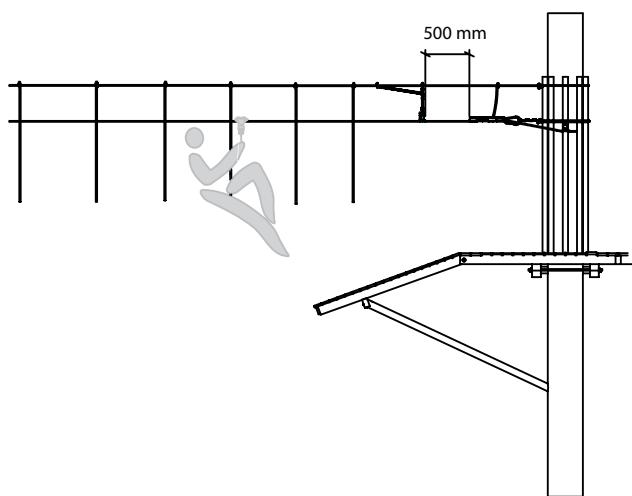
## Function of the device

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

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

Install the wire rope, the energy absorber (e) and the spring (r) 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 TO 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)



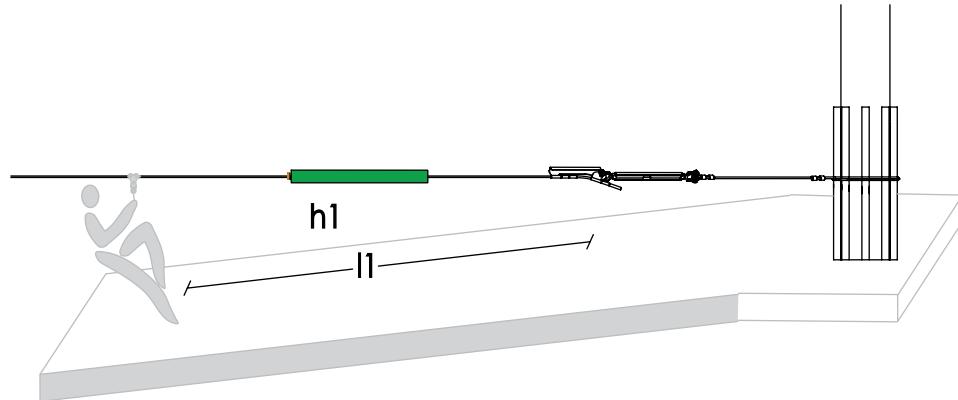
# SELF BELAY SYSTEM ZIP BRAKE



## Spring brake 1200mm

REF : ME120-1200

The 1200 mm self-belay brake is designed to stop users at the end of a zip line as they reach the ground. It can only be used as a secondary brake. Easy installation: the brake can be quickly mounted onto the cable. It can also be installed on an existing zip line. 600 mm extension modules are available.



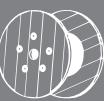
## Spring brake extension 600 mm



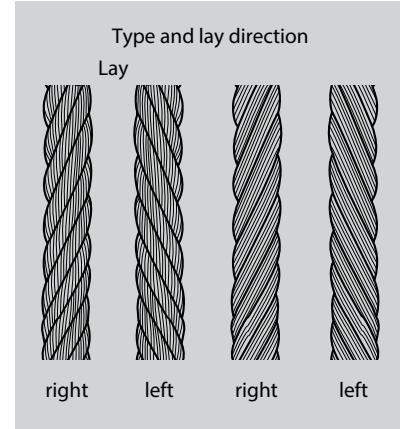
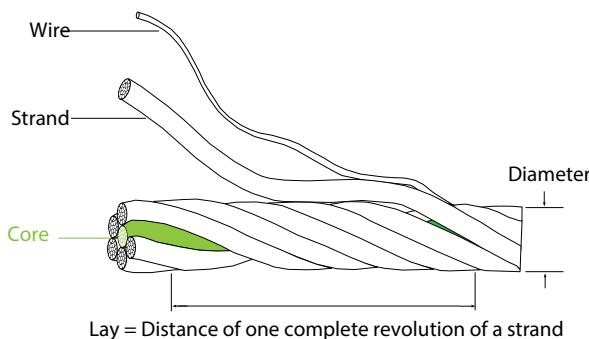
REF : ME120-EXT

Composed of a 600 mm spring and a connecting piece.

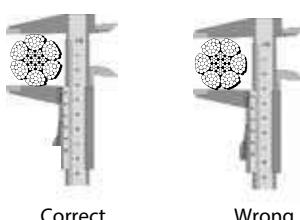
# WIRE ROPES & ACCESSORIES



## GENERAL INFORMATION



Measuring the diameter



Interpreting wire rope information

**Ø12 mm 6 x 26 AM**

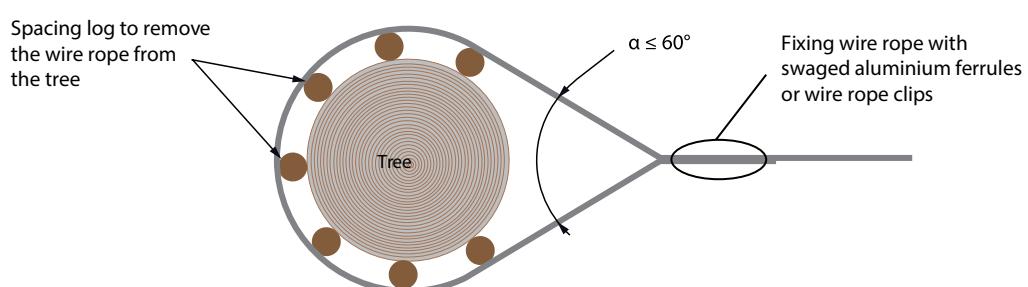
(0.47 in)

Number of strands

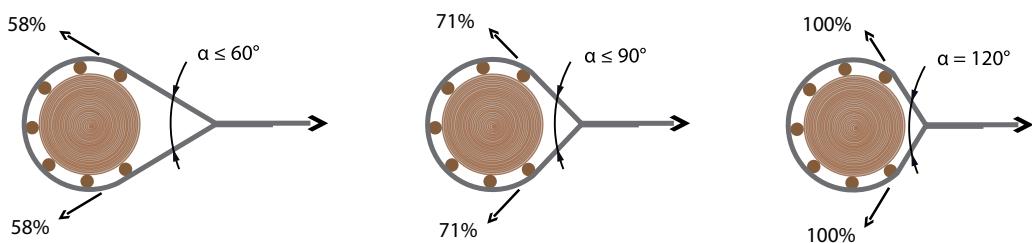
26 wires per strand

Wire strand core

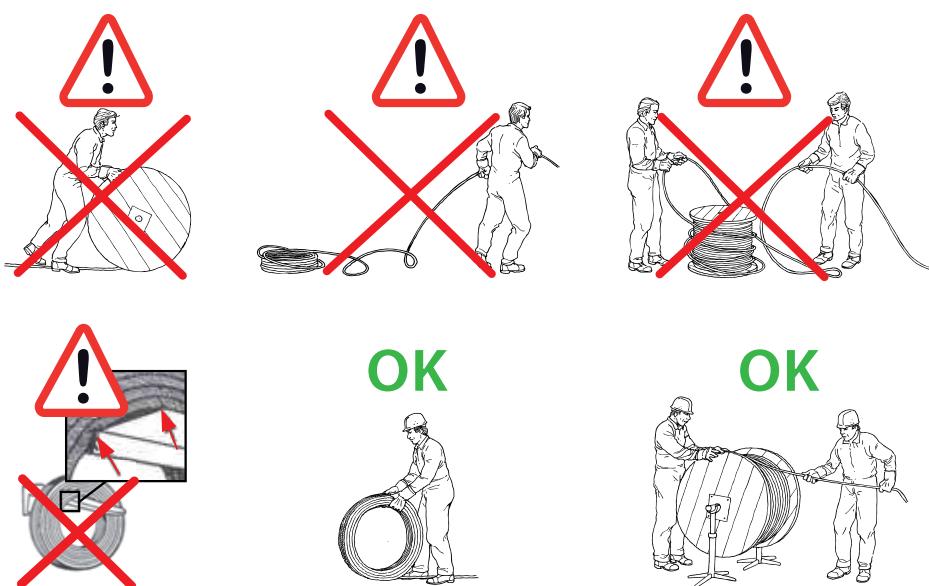
## INSTALLING A WIRE ROPE



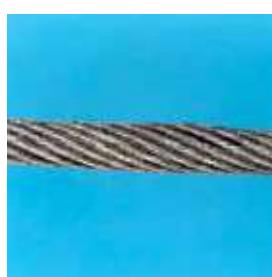
## ANGLES & FORCES



## TRANSPORT & UNWINDING OF WIRE ROPES



## SOME EXAMPLES OF DEFAULT



Increase in diameter  
due to the extrusion  
of the core



Kink



External wear



Broken wires

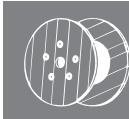
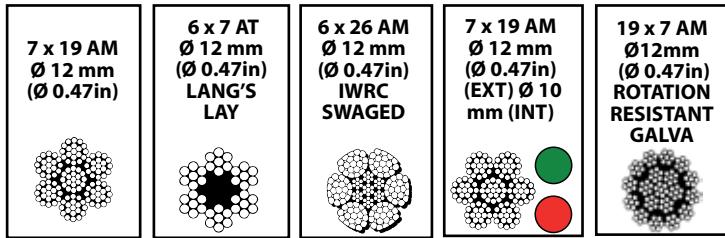


Reduction in wire  
rope diameter  
(hollowstand)



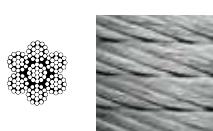
Broken wires in  
the grooves

# WIRE ROPES



USE		7x19 AM Ø 12 mm (Ø 0.47in)	6x7 AT Ø 12 mm (Ø 0.47in) LANG'S LAY	6x26 AM Ø 12 mm (Ø 0.47in) IWRC SWAGED	7x19 AM Ø 12 mm (Ø 0.47in) (EXT) Ø 10 mm (INT)	19x7 AM Ø 12mm (Ø 0.47in) ROTATION RESISTANT GALVA
LIFELINE			●	●		●
ZIPLINE			●	●		●
OBSTACLE SUPPORTING	●	●				
BRACE CABLE	●					
HANDRAIL	●				●	
SAFETY LOOP	●			●	●	●

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



**7x19 WSC GALVANIZED WIRE ROPE Ø12 mm (Ø 0.47in)**

REF : CA04  
CUT TO SIZE

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

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



**6x7 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

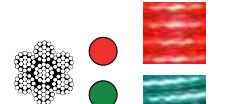


**6x26 WSC GALVANIZED SWAGED WIRE ROPE IWRC Ø12 mm (Ø 0.47in)**

REF : CA12

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

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



**7x19 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 (7874in)  
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 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 « 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)

## 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 G2130OC 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 CLEVIS TURNBUCKLE HR

REF : QU55-305 STROKE 305 mm (12 in)  
REF : QU55-457 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)

## 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
- Weight : 6Kg (13 lbs) for 10m (33 ft)
- Length : cut to size | Until 10 m (33 ft)

## WIRE ROPE CLIP « EC » 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)

## FIST GRIP WIRE ROPE CLIP Ø12mm

REF : QU50-12

- Fist grip wire rope clip for 12mm wire rope
- Weight : 276g

## SOLID ROPE THIMBLE S412-1/2

REF : QU13

- Allows a connector to be inserted and high tension to be applied to the wire cable.
- 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 : QU36-13

- To attach 2 wire ropes together
- Aluminium ferrule Ø int : 1/2" in
- To crimp with crimping tool REF : OU01-42CFM
- Weight : 60 g (0.1 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)



### 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)



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

REF : OU11

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



### IZUMI S-20A MANUAL HYDRAULIC CUTTER

REF : OU08

- Weight : 2.8 kg (6.2 lbs)



### LEVER HOIST

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

REF : OU14-750 750 kg ELEPHANT / Weight : 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



### IZUMI S-20 BLADE FOR MANUAL CUTTER

REF : OU09

- Weight : 37 g (0.1 lbs)



### DEAD TURN CLAMPING TOOL + 2 CABLE PULLERS

REF : ME302

Clamping tool composed of 2 cable pullers allowing, when installing a wire rope dead turn, the application of pulling force on both ends of the cable in order to tighten the cable around the support

## PAIR OF DIES « 13 / 95 » - MONO-CABLE FERRULE Ø12 mm (Ø 0.47 in)



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

## PAIR OF DIES « 13 / 120 » - MONO-CABLE FERRULE Ø1½" in

REF : OU02-13120US FOR CONTINUOUS BE-LAY 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

## PAIR OF DIES KOALA REINFORCED for FERRULE Ø12mm (Ø 0.47 in)



REF : OU02-OF  
- Weight : 267 g (0.5 lbs) | Price per pair

## 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

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)



## 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 -17mm (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) / Class : 4.8  
REF : QU57-18X1000 Ø M18 x 1 m (Ø 3.3 ft) / Class : 4.8  
REF : QU58-18X1000 Ø M18 x 1 m (Ø 3.3 ft) / Class : 8.8  
REF : AC10-1500 Ø M18 (Ø 0.7 in) x 1.50 m (4.9 ft) WITH ACCESSORIES

- Fully threaded



## 2 EYE TURNBUCKLE

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



## 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)



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

- REF : P36AS 12-U

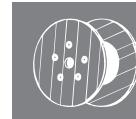
- The wide, ergonomic connection hole facilitates carabiner clipping.
- The width of the hole allows installation of two carabiners at the same time.
- Available for 12 mm (0,47 in) bolts.
- Certification(s): EN 795 A.
- Weight : 43 g (0,09 lb).



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

- REF : QU09

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



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

- REF : QU56

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



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

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

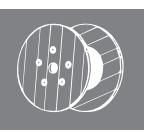
- REF : PR20-65 LENGTH : 65 cm (25.59 in)



## 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)..



# OBSTACLES



## 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



## INTRUSION PREVENTION SYSTEM



### SAFE GATE

REF : AC300

Entry gate for continuous belay systems, equipped with a mechanical opening system that is activated only when a pulley is moved toward the gate.

# HORIZONTAL OBSTACLES

## ZIGZAG PLANK



REF : BO10-ZZ 1 m (39.37 in) ZIGZAG PLANK  
 REF : AC43 1 m (39.37 in) COMPLETE ZIG-ZAG 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 : BO10-600 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

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



REF : AC25 WITHOUT FIXING ACCESSORIES  
 REF : AC25-AC 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

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



REF : BO24-1 WITHOUT ROPES  
 REF : AC19-VL115 WITH 1.15 m (39.37 in) ROPES  
 REF : AC19-VL210 WITH 2.10 m (78.74 in) ROPES  
 REF : AC19-VL 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



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

REF : AC21 WITHOUT ROPES  
 REF : AC21-VL115 WITH 1.15 m (3'9") ROPES  
 REF : AC21-VL210 WITH 2.10 m (6'10") ROPES

REF : AC21-VL 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 WITHOUT FIXING ACCESSORIES  
 REF : AC15-AC 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 WITHOUT ROPES  
 REF : AC56-VC115 WITH 1.15 m (3'9") ROPES  
 REF : AC56-VC210 WITH 2.10 m (6'10") ROPES  
 REF : AC56-VC ROPES CUT TO SIZE

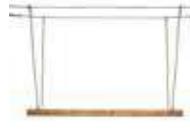
- 60 cm x 1.68 m (23.62 x 39.37 in) Cl.4 treated pinewood



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

REF : AC23-2 WITHOUT ROPES  
 REF : AC23-2VL160 WITH 1.60 m (3'9") ROPES  
 REF : AC23-2VL210 WITH 2.10 m (6'10") ROPES  
 REF : AC23-2VL ROPES CUT TO SIZE

- Ø8 cm x 3 m (Ø 3.14 x 1.18 in) Cl.4 treated pinewood, 2 x Ø11 mm (Ø 0.4 in) drillings



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

REF : AC18-2 WITHOUT ROPES  
 REF : AC18-2C115 WITH 1.15 m (3'9") ROPES  
 REF : AC18-2C220 WITH 2.20 m (6'10") ROPES  
 REF : AC18-2C ROPES CUT TO SIZE

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

## « 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)

## SUSPENDED CROSS WITH 4 ROPES



REF : AC55-VC115 1.15 m (3'9") ROPES  
REF : AC55-VC220 2.10 m (6'10") ROPES

- Cl.4 treated pinewood

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



REF : AC51 WITHOUT FIXING ACCESSORIES  
REF : AC51-AC 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



## 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)

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



REF : AC22 WITHOUT ROPE

REF : AC22-VC210 WITH 2.10 m (6'10") ROPE  
REF : AC22-VC 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 WITHOUT FIXING ACCESSORIES  
REF : AC33-AC 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 WITHOUT FIXING ACCESSORIES  
REF : AC54-AC 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



## MINI CROSS

REF : AC46 WITHOUT FIXING ACCESSORIES  
REF : AC46-AC 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



## 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

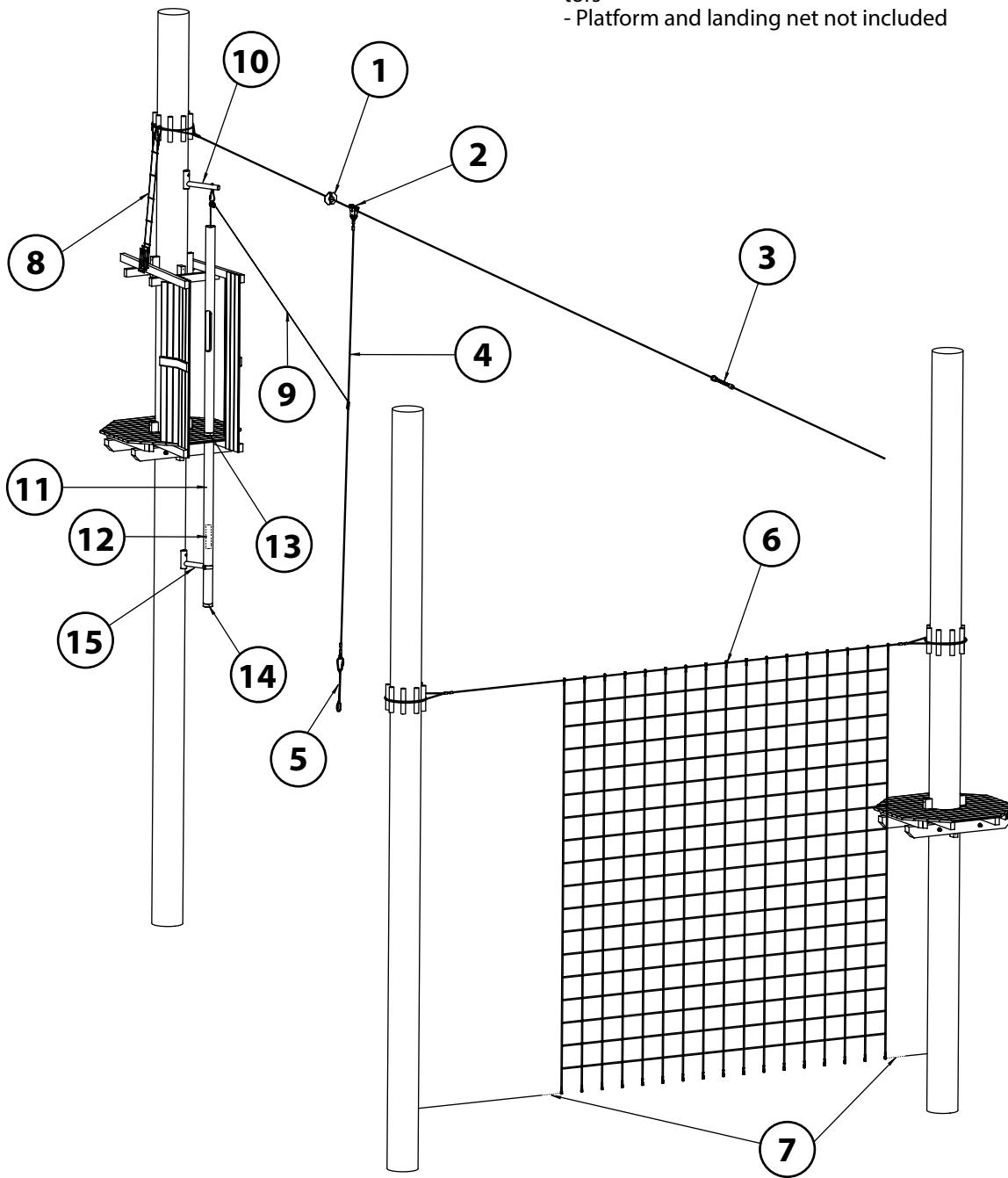
- To be suspended from a wire rope
- Standard length : 2.50 m (8'2")
- Cl.4 treated pinewood
- Can be cut to size
- Delivered as a DIY kit or assembled

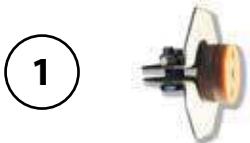
# VERTICAL OBSTACLES

## TARZAN SWING

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

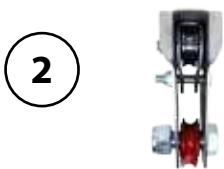
- Complete mechanism
- Fully equipped mechanism ready to be installed : wire ropes, automatic return system, hardware, tarzan rope, lanyard and connectors
- Platform and landing net not included





**TARZAN SWING STOP**

REF : AC40



**COMPLETE TARZAN PULLEY HOUSING**

REF : AC37



**TARZAN BRAKE  
600mm**

REF : ME120



**VERTICAL CABLE  
FOR TARZAN SWING**

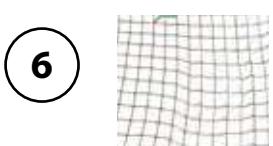
REF : CA06-TZ



**TARZAN LANYARD  
WITH CONNECTORS**

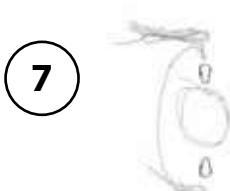
REF : AC14-RV

REF : AC14-OV



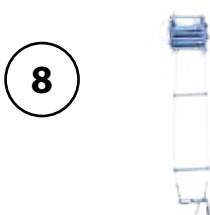
**TARZAN SWING  
LANDING NET**

REF: FI08-TZ



**TARZAN NET ABSOR-  
BER**

REF : AC83



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

REF : QU02-05



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

REF : CO06-05



**WOODEN TARZAN  
SWING TOP**

REF : AC39-PH  
WITHOUT ACCESSORIES

REF : AC39-PHC  
WITH MAILLON AND  
PULLEY



**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")



**TARZAN SWING  
COUNTERWEIGHT**

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

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



**HAULING HOUSING**

REF : AC48



**TUBE END HOUSING  
FOR RETURN SYSTEM**

REF : AC58



**WOODEN TARZAN  
SWING BOTTOM**

REF : AC39-PB



## ROPE LADDER

REF : AC03-1

- Polypropylene ladder, without any accessories, pine 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)



## CLIMBING HOLD PULSE JUGS XL

REF : QU121-XL



## CLIMBING HOLD FLAKES JUGS L

REF : QU120-L2



## CLIMBING HOLD ESSENTIAL JUGS XL

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)



## 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 : Ø14 cm x 5 m (Ø5.11 in x 16'48")

## REPLACEMENT RUNG FOR ROPE LADDER

REF: BO07

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



# INFORMATION PANELS

## DIBOND 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)

## 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)

## STEERING 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

REF : PA06-117VJR Entry  
PA06-117VNR Exit



- Dimensions: 220 x 430 x 3 mm.
- Weight: 443 g.

## « DANGER ZIPLINE » PVC PANEL

REF : PA20



- 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)

## « 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



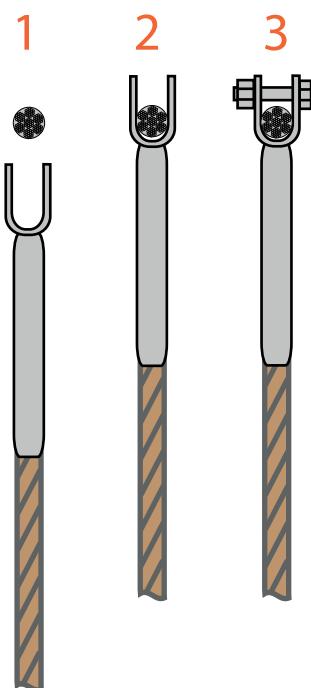
- Round « no entry » sign with a hole for adventure and rope course brace cables
- Dibond + adhesive sticker
- Size : Ø 90 mm (Ø 3.5 in)
- Weight : 25 g (0.05 lbs)



# ROPE & NETS

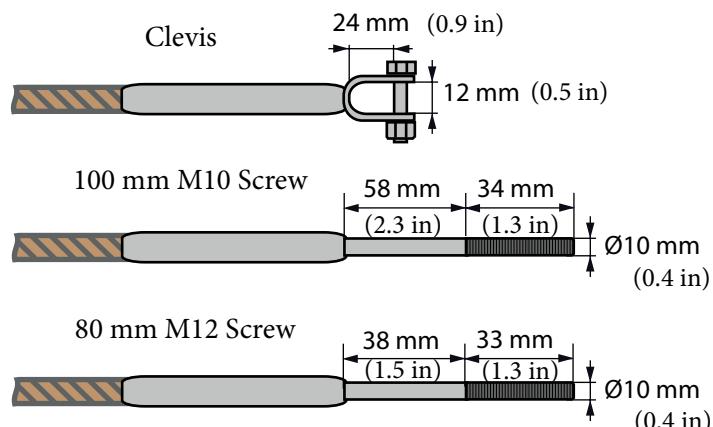


## EASYFIX CLEVIS ROPES



- 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 crossessherwood 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 (43'9") 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 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)

## 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)

## ROPE

### 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 (328 ft) 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 : CO01-22B100	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
CO06-06B100	100 m (328 ft) REEL

- Ø 5 mm (Ø 0.2 in) diameter

### Ø8 mm (0.3 in) WHITE POLYESTER ROPE

REF : CO09-08B100	100 m (328 ft) REEL
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### RED CORD Ø5 MM (0,20 IN) (BEAL)



REF : CO08-05B120R	120 m (393,70 ft) reel
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- Material : nylon.
- Breaking load : 650 daN.



### INDUSTRY (BEAL) Ø10,5 MM (0,41 IN)

REF : DE02-B200	200 M (656 FT) REEL
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- Type A, compliant with EN 1891 standard and EEC.
- Maximum load : 2 700 daN.



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

REF : DE14-N	
DE14-R	

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



### 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)



## NETS

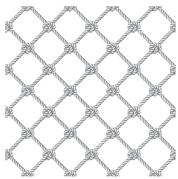


### Ø5 mm (Ø 0.2 in) BEIGE BORDER-RED NET

- 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
- Polyamide selvedge on the border
- Weight : 800 g (1.8 lbs) / m<sup>2</sup> | Price per square metre

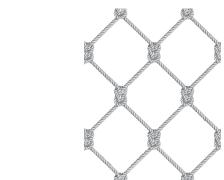


### Ø5 mm (Ø 0.2 in) WHITE SAFETY NET

- 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



### TARZAN SWING LANDING NET

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

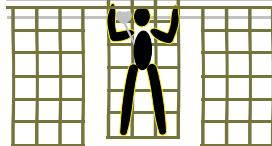
- Ø16 mm (0.6 in) beige polypropylene net
- Clevises on 2 opposite sides provide extended lifetime of the net
- Easy to install on wire rope with clevis bolts



### 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)



### 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)

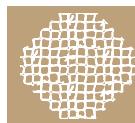
- Clevises on 2 opposite sides
- Weight : 4.08 kg (9 lbs)



### 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

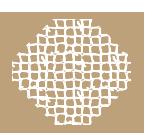
- Width : 2.40 m (7'10")
- Cut to size length
- Weight : 1796 g (3.9 lbs) / m<sup>2</sup> | Price per square metre



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

REF: FI13-UL CUT TO SIZE

- Width : 4.20 m (13'9")
- Cut to size length
- Weight : 1190 g (2.6 lbs) / m<sup>2</sup> | Price per square metre



# PROTECTIVE PLASTICS



## 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



## 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)



## AUTOBLOCKING CAP Ø18 mm (0,71 in)

REF : PR12-M18



## HEAT-SHRINK SLEEVE

REF : PR14

- For M18 (0,71 in) threaded rod and hex nut.
- Black LLD polyethylene autoblocking cap
- 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.

- 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)

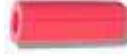
- 
- Protection sheath for ropes, nets, rope ladders
  - Easy to install thanks to its spiral shape
  - No need to dismantle the net or the rope ladder to install it



## FOAM AND 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)

### 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

### 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)

### MATTRESS 1,20 x 1m x 20cm GREEN

 REF : PR37-120x100

- Ideal for protecting ground-level zip line landings  
- Dimensions : 1000x1200 mm  
- Thickness : 200 mm

### 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  
- 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)

- 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

\* 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)

### MATTRESS 1,20 x 2m x 20cm GREEN

 REF : PR37-120x200

- Ideal for protecting ground-level zip line landings  
- Dimensions : 2000x1200 mm  
- Thickness : 200 mm

# PPE

# EQUIPEMENTS



## HARNESSES

CHILDREN	REFERENCE	WAIST SIZE	LEG LOOPS	SPECIFICITIES	WEIGHT
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)
KIDZY (CILAO)	HA11	45 cm (17.7 in)	60-70 cm (23.62 in - 27.56 in)	Max. weight : 40 kg (88 lbs)	277 g (0.6 lbs)
ZAZA (SINGING ROCK)	HA24	65 cm (25.59 in) max	62 cm (24.41 in) max	Max. weight : 40 kg (88 lbs)	338 g (0.75 lbs)
FRAGGLE (Edelrid)	HA15	45-55 or 50-60 cm (17.7-21.65 or 20.5-23.62 in)	37 or 48 cm (14.6 or 18.9 in) max	Max. weight : 40 kg (88 lbs)	307 g (0.68 lbs)

## YOUTH & ADULTS

### SIMPLE HARNESS

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)
Harnais Panji spécial PAH (PETZL)	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 (23.6-39.8 in)	67 cm (26.4 in) max.	/	480 g (1.1 lbs)
TOP PADDED (SINGING ROCK)	HA22	60-120 cm (23.6-47.2 in)	42-66 cm (16.5-26 in)	/	402 g (0.9 lbs)
JOKER (EDELRID)	HA16	45-115 cm (17.7-48.4 in)	75 cm (29.5 in)	/	485 g (1.1 lbs)



### PADDED HARNESS

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)
URBAN II (SINGING ROCK)	HA23	/	/	Various sizes available : S; M-L; XL	/
ENERGY TEAM (CAMP)	HA14	60-90 or 80-110 cm (23.6-35.4 or 31.5-43.3 in)	45-60 or 55-70 cm (17.7-23.6 or 21.7-27.6 in)	/	322 or 354 g (0.7 or 0.78 lbs)
TOPAZ II (CAMP)	HA02	60-110 cm (23.6-43.3 in)	38-70 cm (15-27.6 in)	/	620 g (1.4 lbs)
ZACK (EDELRID)	HA19	/	/	Various sizes available : XS; S-M; L-XL; XXL	406 g (0.9 lbs)

JUNIOR	REFERENCE	WAIST SIZE	LEG LOOPS	SPECIFICITIES	WEIGHT
 <b>TARZAN ECONOMIC (SINGING ROCK)</b>	HA21-JU	60-100 cm (23.6-39.4 in)	35-55 cm (13.8-21.7 in)	Size : 115-150 cm (3.8-4.9 ft)	960 g (2.1 lbs)
 <b>RADIALIS AIR JUNIOR (EDELRID)</b>	HA17-JU	45-110 cm (17.7-43.3 in)	25-65 cm (9.8-25.6 in)	/	1239 g (2.7 lbs)
 <b>RADIALIS COMP JUNIOR (EDELRID)</b>	HA18-JU	45-110 cm (17.7-43.3 in)	25-65 cm (9.8-25.6 in)	/	999 g (2.2 lbs)
 <b>ENERGY JUNIOR (CAMP)</b>	HA13	48-60 cm (18.9-23.6 in)	38-48 cm (15-18.9 in)	/	280 g (0.6 lbs)
 <b>JOKER JUNIOR (EDELRID)</b>	HA16-JU	45-80 cm (17.7-31.5 in)	50 cm (19.7 in) max	/	410 g (0.9 lbs)
 <b>DRAGON 6A (CILAO)</b>	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)
 <b>DRAGON 8A (CILAO)</b>	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)

### FULL-BODY HARNESSSES

 <b>RADIALIS AIR (EDELRID)</b>	HA17	45-150 cm (17.7-59 in)	25-85 cm (9.8-33.5 in)	/	1350 g (2.9 lbs)
 <b>RADIALIS COMP (EDELRID)</b>	HA18	45-150 cm (17.7-59 in)	25-85 cm (9.8-33.5 in)	/	1076 g (2.4 lbs)
 <b>SWAN EASYFIT STEEL (PETZL)</b>	C062AA00	<120 cm (47.2 in)	<75 cm (18.5 - 24.4 in)	/	1125 g (2.5 lbs)
 <b>NEWTON SIZE 1 (PETZL)</b>	C073AA01	70-93 cm (27.6 - 36.7 in)	47-62 cm (29.5 in)	/	1050 g (2.3 lbs)
 <b>TARZAN ECONOMIC (SINGING ROCK)</b>	HA21	60-130 cm (23.6-51.2 in)	55-75 cm (21.6-29.5 in)	Size : 150-200 cm (4.9-6.6 ft)	1050 g (2.3 lbs)
 <b>CIDJAY (CILAO)</b>	HA12-T1	36-50 cm (14.2-19.7 in)	45-68 cm (17.7-26.8 in)	Size : 74-128 cm (2.4-4.2 ft)	/
 <b>BODY II (SINGING ROCK)</b>	HA20	/	/	Various sizes available : S-L; XL-XXL; XXXL	/

### COMPLETE HARNESS KIT FOR YOUNGSTERS & ADULTS

 <b>GYM (PETZL) + ALP TOP-2 (CLIMBING TECH.)</b>	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

 <b>ASPIR (PETZL)</b>	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

 <b>NEWTON SIZE 2 (PETZL)</b>	C073AA02	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)
 <b>CIDJAY T2 (CILAO)</b>	HA12-T2	88-188 cm (34.7-74 in)	54-88 cm (21.3-34.7 in)	Taille : 88-188 cm (34.7-74 in)	/

### CHEST HARNESSSES

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



# HELMETS

CHILDREN	REFERENCE	HEAD CIRCUMFERENCE	TIGHTENING	COLORS	WEIGHT
PICCHU (PETZL)	A049AA00 A049AA01	48-54 cm (18.9-21.3 in)	Push-buttons	2	330 g (0.7 lbs)
TITAN S (CAMP)	CQ01-T1	48-56 cm (18.9-22 in)	Wheel	4	360 g (0.8 lbs)
IKON S (CAMP)	CQ04-S	57-63 cm (22.4-24.8 in)	Scroll wheel	3	295 g (0.65 lbs)
PENTA JUNIOR (SINGING ROCK)	CQ07	48-54 cm (18.9-21.3 in)	Strap	1	185 g (0.4 lbs)
<b>WOMEN &amp; CHILDREN</b>					
ECLIPSE (CLIMBING TECH.)	CQ02	48-56 cm (18.9 - 22 in)	Wheel	4	300 g (0.7 lbs)
<b>YOUTH &amp; ADULTS</b>					
PANGA (PETZL)	A030AA00-U	50-61 cm (19.7-24 in)	Flip & Fit	3	330 g (0.7 lbs)
TITAN L (CAMP)	CQ01-T2	54-62 cm (21.3-24.4 in)	Scroll wheel	4	410 g (0.9 lbs)
VERTEX VENT (PETZL)	A010CA00	53-63 cm (20.9-24.4 in)	Flip & Fit + Centerfit	7	490 g (1.1 lbs)
ULTRALIGHT (EDELRID)	CQ05	54-60 cm (21.3-23.6 in)	Strap	7	440 g (0.97 lbs)
HEX (SINGING ROCK)	CQ06	52-58 ou 55-61 cm (20.5-22.8 or 21.7-24 in)	Scroll wheel	5	300-330 g (0.66-0.73 lbs)
PENTA (SINGING ROCK)	CQ08	52-58 ou 56-62 cm (20.5-22.8 or 22-24.4 in)	Strap	4	185-205 g (0.4-0.45 lbs)
QUANTUM (BEAL)	BKPQ	53-63 cm (20.9-24.8 in)	Slip it on	3	465 g (0.4 lbs)
IKON L (CAMP)	CQ04-L	57-63 cm (22.4-24.8 in)	Scroll wheel	3	295 g (0.65 lbs)



# LANYARDS

	REFERENCE	TYPE		LENGTH	END TERMINATION	WEIGHT		
<b>JOKO-I custom (PETZL)</b>	LO36XY	I	SIMPLE	made to measure	Small loop Sewn end protected (plastic sleeve)			
<b>DYNACLIP 75 (BEAL)</b>	LO12	I	SIMPLE	75 cm (29.5 in)	Small loop Sewn end protected (plastic sleeve)	75 g (0.16 lbs)		
<b>AKRO-I 80 (CILAO)</b> <b>AKRO-I 92 (CILAO)</b> <b>AKRO-I 100 (CILAO)</b>	LO04-IT80 LO04-IT92 LO04-IT100	I	SIMPLE	A C C	80 cm (31.5 in) 92 cm (36 in) 100 cm (39 in)	Lark's foot knot	90 g (20 lbs) 95 g (21 lbs) 99 g (22 lbs)	
<b>AKRO-Y 67-109 (CILAO)</b>	LO02-65 107V	Y	ASYMMETRIC	AI	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)	
<b>AKRO-Y 76-98 (CILAO)</b>	LO03-7698	Y	ASYMMETRIC	A	76-98 cm (30 - 38.6 in)	Small loop on short end Small loop + Pier'O on long end	150 g (0.33 lbs)	
<b>AKRO-Y 76-98 (CILAO)</b>	LO05-YT76 98	Y	ASYMMETRIC	A	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)	

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

\*A= for adult

\*C= for children

\*AI= for adult instructor

## 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 Mailion 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

## PULLEY FOR KOALA EQUIPMENT CONTINUOUS BELAY SYSTEM



### POULIZ 3.2 (KOALA EQUIPMENT)

REF : PO13-2

- Trolley for continuous belay system adventure courses
- Sheaves mounted on 2 sets of 2 sealed ball bearings
- Opening / Closing with locking tool
- Lanyard attachment with detachable swivel | NEW
- Stainless-steel body extended | NEW
- Completely removable| NEW
- Cover over the top
- Compliant with the PPE regulation 2016/425/ ECC
- Compliant with the EN 17109:2020 standard
- Made in France | Guaranteed for 3 years

**OPENING  
TOOL  
FOR POULIZ  
3.1 & 3.2**

REF : ME184



**POULIZ 3.1,  
3.2 & SWITCH  
POCKET**

REF : EQ13



**HANDLE FOR  
POULIZ  
3.1 & 3.2**

REF : ME115-V2F Z30



**INSPECTION  
TOOL  
FOR POULIZ  
3.1 & 3.2**

REF : ME327

## SELF BELAY SYSTEM PULLEYS



	REFERENCE	Ø MIN.	Ø MAX. (wire rope)	MAX SPEED	USE	WEIGHT
TRAC GUIDE LT (PETZL)	P024DB00	9 mm (0.35 in)	13 mm (0.5 in) *	90 km / h 56 mph	Self belay	455 g (1 lbs)
TRAC GUIDE (PETZL)	P024AB00	9 mm (0.35 in)	13 mm (0.5 in) *	90 km / h 56 mph	Self belay	425 g (1 lbs)
WING II (CAMP)	PO02	10 mm (0.4 in)	12 mm (0.47 in) *	72 km/h 45 mph	Self belay	347g (0.77 lbs)
SBE	SB01	/	/	/	Auto-assurance	/
FOX (CILAO)	P22	10 mm (0.4 in)	12 mm (0.47 in) *	36 km / h 23 mph	Auto-assurance	420 g (1 lbs)
DUETTO (CLIMBING TECH.)	PO06	9 mm (0.35 in)	12 mm (0.47 in) *	36 km / h 23 mph	Self belay	130 g (0.3 lbs)
TANDEM® SPEED (PETZL)	P21 SPE	9 mm (0.35 in)	12 mm (0.47 in) *	72 km / h 45 mph	Self belay	130 g (0.3 lbs)
TANDEM (PETZL)	P21	9 mm (0.35 in)	12 mm (0.47 in) *	72 km/h 45 mph	Self belay	195g (0.4 lbs)



(\*) Ø MAX : Rope 13 mm (1/2 in)

### TPA (Tap Pulley Adapter)



REF : PO01-1  
REF : PO01-2  
REF : PO01-3

for Trac pulley (Petzl)  
for Tandem pulley (Petzl)  
for Duetto pulley (Climbing Technology)

The PAM (Platine A Mousqueton) holds the karabiner to the pulley, preventing it from rubbing against the lifeline cable.



## 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 polyamide 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 polyamide 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)



## KARABINERS



	REFERENCE	BREAKING STRENGTH   MAJOR AXIS	BREAKING STRENGTH   MINOR AXIS	BREAKING STRENGTH   OPEN GATE	OPENING	WEIGHT
PADDLE WIRE POLISH (KONG)	MO101	22 kN	8 kN	7 kN	32 mm (1.3 in)	71 g (0.16 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 (0.21lbs)
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)

## 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 (0.4in)	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 (0.30lbs)
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 IQ (HEADRUSH TECH.)



REF : DE17-12 12.50 m ROPE (41.0 ft)  
REF : DE17-20 20 m ROPE (65.6ft)

- 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



## DESCENT DEVICES

### 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



### RESCUE SET (SINGING ROCK)

REF : AC93-30 30 m (98'5") ROPE  
REF : AC93-50 50 m (164") ROPE

- Rescue descender allowing to bring back to the ground, in safety, a person at a height



### 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).



REF : AC94

- Haul lanyard with a ratchet for rescue purposes
- Intended to lift up the victim from the fall protection line
- Quick and easy to deploy



## 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).



## 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)



## 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)



## ACCESSORIES



### PERSONNEL BACKPACK (PETZL)

REF : S44Y 015 15 l (3.3 gal)  
REF : S042BA00 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



### 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)

### EXPLOBAG (VERTICAL ADVENTURE)

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)



### PIXIA 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.



### 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      Size S  
REF : P042AA01      Size 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.



### 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.



### 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)

# 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 ( $\geq 18$  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.

ALTUS / KOALA EQUIPMENT - 1191 route de Bidaille 74930 SCIENTRIER -FRANCE)

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](mailto:info@koala-equipment.com)

	101* Bosun's Chair		125 Tibetan Bridge		149 Sherwood Crossing		193 Small U		218 Half Khatanga Net		242 New Half Croft Bridge
	102* Log Balance		126* Trapper's Crossing		150 Jamor Crossing		194* Aravis Crossing		219* Beppu		243* New Chippu
	103* Amazon Bridge		127* Plank Crossing		171* Shunxin Crossing		195* Crossing Wall		220* Seesaws		
	104* Grandpa's Crossing		128 Rope Passage		172* Talloires Crossing		196* Half Pipe		221* Suspended Stairs		
	105 Canyon Crossing		129* Wobbly Ladder		173* Skate Slide		197* Coolongalook Crossing		222* Slack Bridge		
	106 Victoria Bridge		130* Zigzag Bridge		174* Pnotta Bridge		198* High Tibetan Bridge		223* High Tank Trap		
	107 Stirrups		131* Stepping Stones		175* Needwood Crossing		199* Uluwatu		224* Mamushi		
	108 Infernal Traverse		132* Tunnel Crossing		176* Pännjarve Bridge		200 Half Uluwatu		225* Elves Bridge		
	109* Jungle Crossing		133 Tightrope Walk		177* Zigzag Trapeze		202* Net & Plank Tunnel		226 Half Elves Bridge		
	110* Net Bridge		134* Chinese Crossing		178 Half Zigzag Trapeze		203* Water Lily		227 Net Tunnel		151 Rope Ladder
	111* Spider's Web		135 Double Stirrups		179* Evje Crossing		204* Half Water Lily		228* Prisoner's Bridge		152 Tree Trunk Ladder
	112* Trapeze		136 Half Stirrups		180* Coed Crossing		205* Khatanga Crossing		229* Slalom		153 Scramble Net
	113* Railtrack		137* Alpine Zip Slide		181* Flying Carpet		206* Half Khatanga Crossing		230* Prisoner's Climbing Holds		154 Apple Picker's Ladder
	114 Log Swing		138 Chantemerle Bridge		182 Half Flying Carpet		207* Chamonix Crossing		231* Oural Trapeze		155 Log Ladder
	115* Zip Slide		139 Overhanging Crossing		183* Criss Crossing		208* Half Chamonix Crossing		232 Half Oural Trapeze		156 Mallards Ladder
	116* Indian Bridge		140 Giant's Step		184* Half Criss Crossing		209 Skyfall		233* Altaï Boards		157 Parrot Ladder
	117 Tarzan Swing		141 Half Stepping Stones		185* Tic Tac Toe		210 Fairy Bridge		234 Half Altaï Boards		158* Miller's Stairs
	118* Shuffle		142* Turtle Bridge		186* Half Tic Tac Toe		211* High Fairy Bridge		235* Plank Swing		159 Climbing Wall
	119* Goat Crossing		143 Tank Trap		187* Itchen Crossing		212 Half Coolongalook Crossing		236 Half Plank Swing		160* Fisherman's Trap
	120* Japanese Bridge		144 Rope Trapeze		188 Fuji Crossing		213* Montalivet Crossing		237* High Log Swing		162* Wooden Fisherman's Trap
	121* Net Canyon		145* English Crossing		189* Chess Crossing		214* Half Montalivet Crossing		238* New Tiki Bridge		
	122* Log Bridge		146* Bedok Bridge		190* Half Chess Crossing		215* Dual Coolongalook		239 New Lianas Bridge		161 Rock Ladder
	123 Half Trapeze		147* Yamazoe Steps		191 Pirate Crossing		216 Half Dual Coolongalook		240 New Junction Bridge		201* Rock Crossing
	124* Ladder Crossing		148* Velbert Bridge		192* Big U		217* Khatanga Net		241 New Croft Bridge		

\* Recommended activities on children's courses



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## CATALOG OF ACTIVITIES ENGLISH

### On Rock Activities

	161 Rock Ladder
	201* Rock Crossing





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