

**PETZL**<sup>®</sup>

2009

**Arborist  
Solutions**



## Tree climbing: Petzl's answer



Petzl's roots are in caving.

Fernand Petzl spent his life experimenting with new vertical progression techniques and inventing equipment that revolutionized caving.

The company quickly applied these access tools and solutions to other vertical environments (sport and professional).

Our product development process remains true to a few simple core values: keeping close to and valuing our customers, taking innovative and practical approaches and demanding the highest quality.

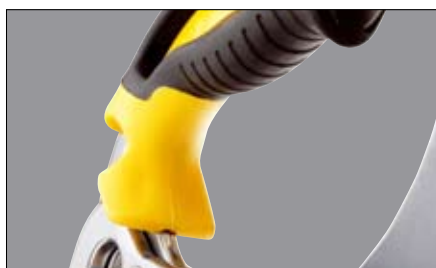
It is in this spirit that we mobilized our resources a few years ago to meet the needs of arborists.

Our goal: starting with an in-depth study of the practices involved, to use Petzl's know-how to create smart, reliable solutions that truly facilitate progression, movement, and work in trees.

The new harnesses and rope clamps are now available: presented at the beginning of 2008, the progression rope clamps have a new double-handled model for ascending double ropes and there is a new left-footed version of the PANTIN rope clamp. Some details...

## Rope clamps for progression

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The molded dual-density grips have an area for the index finger and a wide, supportive base to keep the hand from slipping. This shape ensures a comfortable and powerful grip, increasing efficiency when ascending a rope.



The recessed safety catches limit the risk of snagging.



The shape of the new cam on the PANTIN and the CROLL makes it easier for them to slide up the rope.

## Harnesses

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The positioning waistbelt is very comfortable and provides exceptional ventilation. The waistbelt is equipped with lateral attachment points for work positioning with a GRILLON-type lanyard.

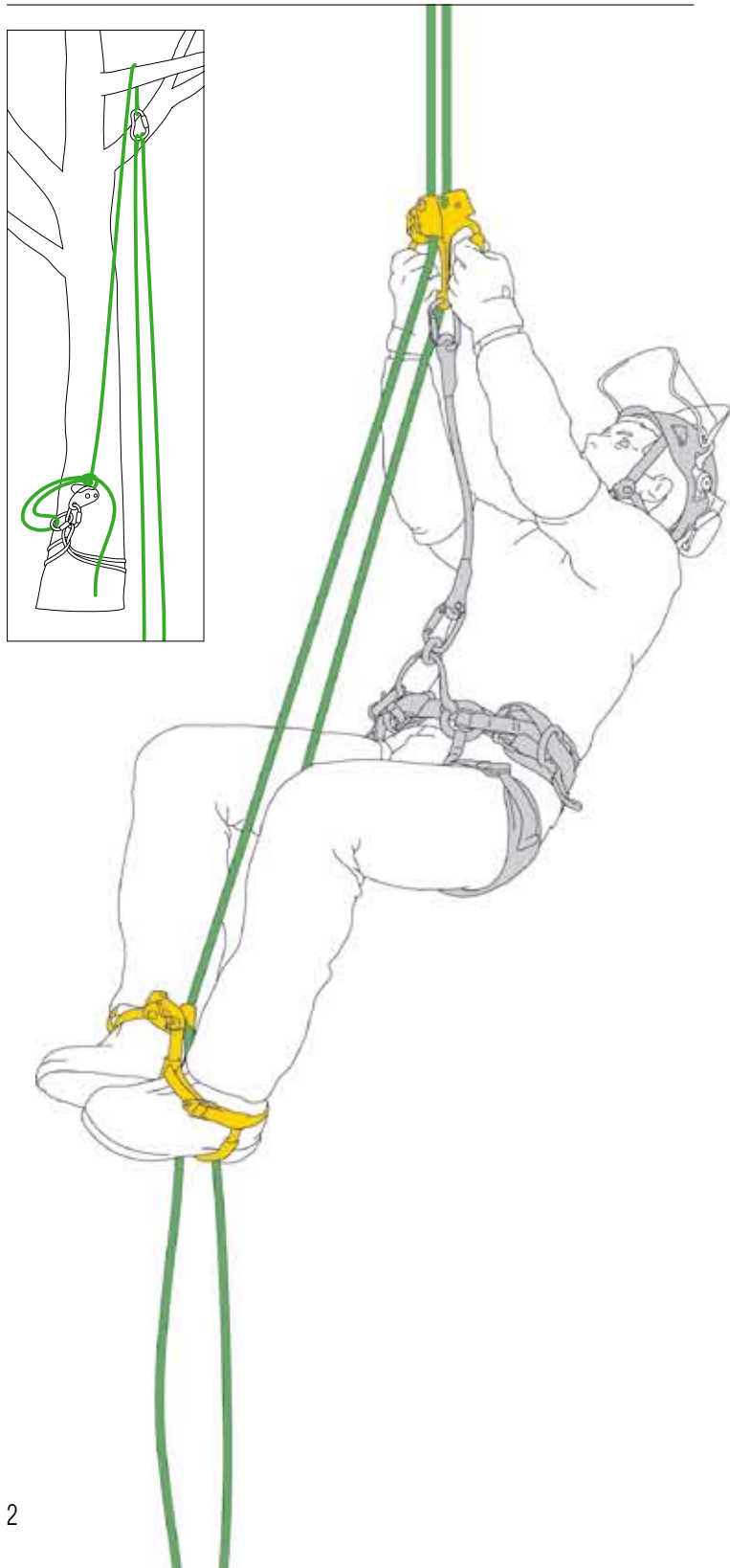
Seven slots for CARITool tool holder: tools may be accessed and organized with one hand (small hole for attaching a keeper cord, to prevent dropping critical gear).



The two gated rings allow quick adjustments by the user to distribute the pressure evenly between the waistbelt and leg loops (three positions), to adapt the height of the attachment bridge for different uses, techniques or body types, or to attach the RING S or the SWIVEL directly onto the attachment bridge.

# Progression on double ropes

This technique is similar to traditional footlock techniques for accessing trees. Combining the double-handed ASCENTREE with the two (left and right) PANTIN foot-mounted rope clamps makes the climb much less demanding and more accessible. The ASCENTREE is designed to offer a comfortable grip and to allow the user to easily rest on the lanyard during the climb. Petzl recommends installing a GRIGRI-type descender on the suspension rope (as shown in the diagram below), at the base of the tree. This allows the worker on the ground to lower the climber in case of trouble during the ascent.



**NEW**



**ASCENTREE**  
Double-handed arborist rope clamp

**NEW**



**PANTIN**  
Foot ascender - right and left

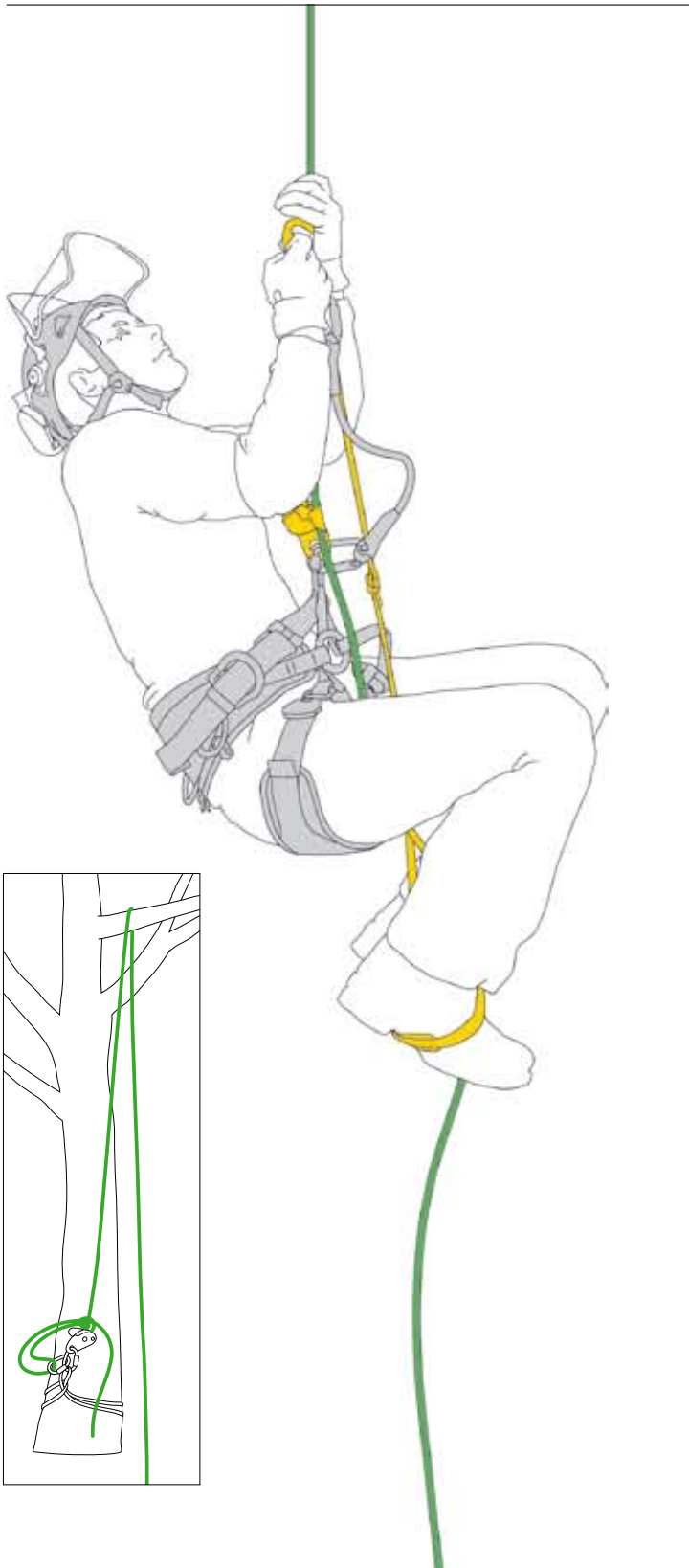


**SEQUOIA**  
Seat harness for arborists using traditional footlock ascent techniques

# Progression on a single rope



This technique is less tiring than the footlock technique and saves time when setting up the rope, as it is not necessary to isolate a crotch from the rest of the branches. It is easy to install a rescue system at the base of the tree so the ground worker can lower the climber in case of trouble during the ascent (with a GRIGRI descender, for example).



**IMPROVED**



## ASCENSION

Handled ascender: right- and left-handed versions

**IMPROVED**



## SECUR

Shoulder straps for positioning the CROLL rope clamp

## CROLL

Ventral rope clamp

**NEW**



## PANTIN

Right foot ascender

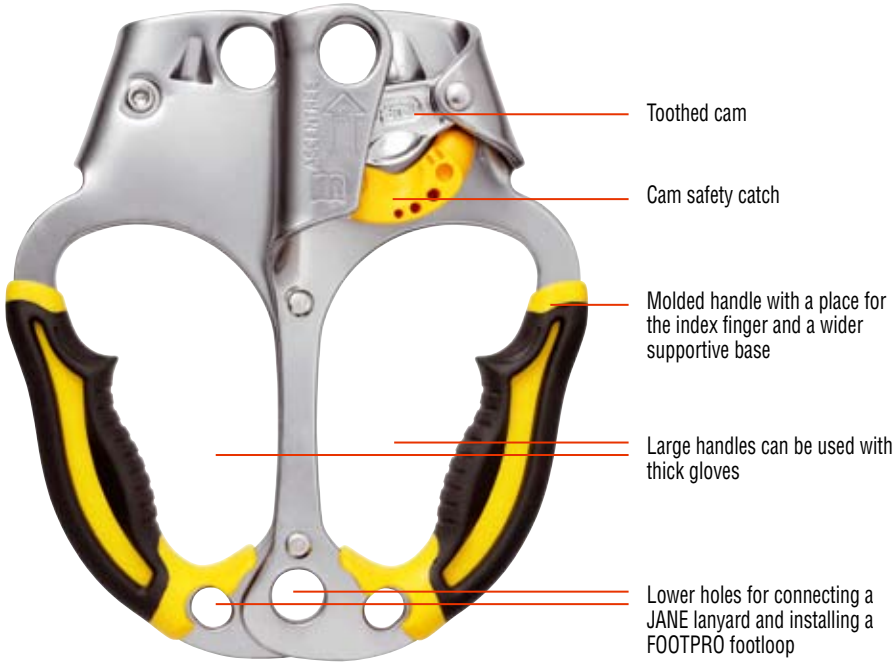


## SEQUOIA SRT

Seat harness for arborists using ascent techniques on single ropes

# Rope clamps for progression

**NEW**



## ASCENTREE B19WAA

### Double-handled arborist rope clamp

- Designed for ascending double ropes in trees using the "footlock" technique or with two PANTIN foot ascenders
- Ergonomic molded handles allow a comfortable yet powerful grip
- Cam is totally integrated into the body of the rope clamp to prevent rubbing
- Large handles can be used with thick gloves
- Lower holes for connecting a JANE lanyard and installing a FOOTPRO foot loop with a quick link
- Upper holes through which a carabiner attaches the device to the rope (useful for back-up belays or hauling)
- For use on ropes between 8 and 13mm in diameter
- Certification: CE
- Individually tested
- Weight: 390g

**IMPROVED**



## ASCENSION B17WRA - B17WLA

### Handled ascender: right- and left-handed versions

- Designed for ascending and occasionally for hauling (back-up)
- Wide, ergonomic molded handle allows a comfortable yet powerful grip
- Lower holes for connecting a JANE lanyard and installing a FOOTPRO foot loop with a quick link
- Upper hole through which a carabiner attaches the device to the rope (useful for back-up belays or hauling)
- Comes in left- and right-handed versions:
  - ASCENSION (B17 WRA): right-handed, yellow/black grip
  - ASCENSION (B17 WLA): left-handed, black/yellow grip
  - ASCENSION BLACK (B17 RN): right-handed, black grip
  - ASCENSION BLACK (B17 LN): left-handed, black grip
- For single ropes between 8 and 13mm in diameter
- Certification: CE EN 567, NFPA 1983 L, CE EN 12841 type B
- Individually tested
- Weight: 195g



## FOOTPRO C49

### Adjustable webbing foot loop

- Can be attached to the ASCENSION for rope ascents
- Underfoot strap is abrasion-resistant and easy to step into
- Easily adjusted with the DoubleBack buckle
- Comes with SPEEDY P14 maillon with quick gate
- Weight: 135g

**NEW**



PANTIN B02ALA

**IMPROVED**



PANTIN B02ARA

## PANTIN B02ARA - B02ALA

### Foot ascender - right and left

- Used to complement CROLL, ASCENSION and ASCENTREE rope clamps
- New cam facilitates passage of the rope through device, even on the first few meters
- Makes ascent faster and less tiring
- Releases from the rope with a simple backwards movement of the foot
- Sole strap reinforced with Dyneema for abrasion resistance
- Easy adjustment with DoubleBack buckle
- Available in right- and left-foot versions:
  - PANTIN (B02ARA): right foot, yellow rope clamp
  - PANTIN (B02ALA): left foot, black rope clamp
- For single ropes between 8 and 13mm in diameter
- Weight: 120g

The PANTIN is not an item of PPE.



SECUR



CROLL

**IMPROVED**



DELTA

## SECUR C74

### Shoulder straps for positioning the CROLL rope clamp

- Attaches with a girth hitch to the rear ring of the harness
- Easy adjustment with DoubleBack buckle
- Weight: 120g

## CROLL B16AAA

### Ventral rope clamp

- Used with the ASCENSION for ascending rope.
- New cam facilitates passage of the rope through device, even on the first few meters
- Angled attachment hole allows the device to lie flat against the abdomen
- Used with the SECUR shoulder strap to keep the ascender in position
- For single ropes between 8 and 13mm in diameter
- Certification: CE EN 567, CE EN 12841 type B
- Individually tested
- Weight: 130g

## DELTA P11-8B

### Triangular steel quick link

8mm diameter (with bar for positioning the CROLL chest ascender).



## SEQUOIA C690F0

### Seat harness for arborists using traditional footlock ascent techniques

- Extra-wide, semi-rigid waistbelt offers great support and exceptional ventilation
- Waistbelt and suspension seat lined with breathable perforated foam for maximum comfort when suspended
- Easy to slip on with the FAST waistbelt and leg loop buckles
- Ventral attachment bridge provides lateral mobility
- Ventral attachment bridge is attached to the waistbelt and to the leg loops by two gated rings in order to:
  - distribute the pressure evenly between the waistbelt and leg loops (three positions)
  - adapt the length of the ventral attachment bridge
  - attach the RING S or the SWIVEL directly to the attachment bridge
- The two lateral attachment points transfer the weight evenly around the waistbelt for comfortable surface-supported work
- Five equipment loops with protective sheath
- Two rings for attaching a hand saw
- Slots for CARITool tool holder

- 3-year guarantee
- Certification EN 358 + EN 813
- Available in 2 sizes:

	Waistbelt	Leg loops	Weight
Size 1	70... 100cm	50... 65cm	1320g
Size 2	85... 120cm	60... 75cm	1370g



## SEQUOIA SRT C69AFO

### Seat harness for arborists using ascent techniques on single ropes

- Extra-wide, semi-rigid waistbelt offers great support and exceptional ventilation
- Waistbelt and suspension seat lined with breathable perforated foam for maximum comfort when suspended
- Ventral attachment bridge provides lateral mobility
- Ventral attachment bridge is attached to the waistbelt and to the leg loops by two gated rings in order to:
  - distribute the pressure evenly between the waistbelt and leg loops (three positions)
  - adapt the length of the ventral attachment bridge
  - to attach the RING S or the SWIVEL directly to the attachment bridge
- Ventral attachment point and the rear waistbelt buckle, used to attach the CROLL ventral rope clamp for ascending a single rope
- The two lateral attachment points transfer the weight evenly around the waistbelt for comfortable surface-supported work
- Five equipment loops with protective sheath
- Two rings for attaching a hand saw
- Slots for CARITool tool holder
- Waistbelt equipped with self-locking DoubleBack buckles
- Leg loops equipped with FAST automatic buckles

- 3-year guarantee
- Certification EN 358 + EN 813
- Available in 2 sizes:

	Waistbelt	Leg loops	Weight
Size 1	70... 100cm	50... 65cm	1400g
Size 2	85... 120cm	60... 75cm	1460g



RING S



Attachment bridge

## RING S C04620

### Connection ring

Installs directly onto the SEQUOIA's attachment bridge to improve the climber's lateral mobility.

## Attachment bridge C69200

### Attachment bridge for SEQUOIA harness

- Available in three lengths:
  - C69200 25: 25cm
  - C69200 30: 30cm
  - C69200 35: 35cm



CARITool S - L



SWIVEL S

SWIVEL L

## CARITool P42

### Tool holder

- Tools accessed and organized with one hand
  - Flat top aids in sorting hung gear
  - Small hole on top for attaching keeper cord, to prevent dropping critical gear
  - Slips through the waistbelt slots or along the harness webbing and stays in place, thanks to its stabilizing clip
  - Available in two sizes:
    - CARITool (P42): maximum load: 5kg, weight: 25g
    - CARITool L (P42 L): maximum load: 15kg, weight: 60g
- This tool holder is not PPE.

## SWIVEL P58

### Swivel

- Prevents the rope from twisting when the load is turning
- Excellent performance and reliability due to maintenance-free sealed ball-bearings
- SWIVEL S (P58 S):
  - designed for one-person loads
  - compact
  - breaking strength: 23kN
  - weight: 95g
  - certification: CE
- SWIVEL L (P58 L):
  - designed for two-person loads, up to 3 connectors can be attached to the ends
  - breaking strength: 36kN
  - weight: 150g
  - certification: CE, NFPA 1983 G

## Helmets

- Two helmet models: **VERTEX BEST** and **VERTEX VENT**
- Headband adjustment wheel is easy to use, even while wearing gloves
  - Adjustable headband height
  - Shell has side slots that can be used for mounting hearing and/or face protection



Adapted to fit hearing and eye protection



### **VERTEX® BEST** A16

- Protection from electrical risks, but without ventilation
- Available in five colors:
- **VERTEX BEST** A16 Y1: yellow
  - **VERTEX BEST** A16 W1: white
  - **VERTEX BEST** A16 R1: red
  - **VERTEX BEST** A16 O1: orange
  - **VERTEX BEST** A16 N1: black
- Certification ANSI Z89.1 TYPE 1 CLASS E



### **VERTEX® VENT** A11

- Provides ventilation, but not certified to protect against electrical risks
- Available in five colors:
- **VERTEX VENT** A11 Y1: yellow
  - **VERTEX VENT** A11 W1: white
  - **VERTEX VENT** A11 R1: red
  - **VERTEX VENT** A11 O1: orange
  - **VERTEX VENT** A11 N1: black
- Certification ANSI Z89.1 TYPE 1 CLASS C

## Lanyards



### **GRILLON** L52

#### **Compact adjustable lanyard**

- Mechanical adjustment system with pivoting cam for work positioning
- Available in:
- **GRILLON L52**
    - Adjustable **GRILLON** lanyard without connectors
    - Available in five lengths: 2, 3, 5, 10 and 20 meters
  - **GRILLON HOOK L52 2H 3H**
    - Adjustable **GRILLON** lanyard with **HOOK** connector
    - Available in two lengths: 2 and 3 meters

The adjustable 5, 10 and 20 meter **GRILLON** and the 3m **GRILLON MGO** are equipped with a handle allowing the user to release the braking system more easily when the system is loaded.

## Connectors



WILLIAM



OK TRIACT-LOCK



Am'D



KADOR

### WILLIAM M36

#### Large size auto-locking carabiner

- The ideal carabiner to combine with a FIXE pulley to make a friction hitch
- Available in several models:
  - WILLIAM M36 TL: TRIACT-LOCK
  - WILLIAM M36 BL: BALL-LOCK

### Am'D M34

#### Asymmetric auto-locking carabiner

- For use at the end of a lanyard
- D-shaped for an excellent strength to weight ratio
- Available in several models:
  - Am'D M34 TL: TRIACT-LOCK
  - Am'D M34 BL: BALL-LOCK

### OK TRIACT-LOCK M33 TL

#### Symmetrical auto-locking carabiner

- Versatile oval shape for optimal positioning of equipment (pulleys, rope clamps, etc.)

### KADOR M73

#### Large capacity steel carabiner with automatic locking

- Large size accepts multiple system elements
- High strength

## Pulleys

Tools for multiple systems. For hauling equipment or to rig pulley systems, they also facilitate access on rope.



FIXE



TWIN



TANDEM



PRO TRAXION

### FIXE P05

#### Pulley with fixed side plate

- Ideal for pushing a friction hitch
- Fixed side plates allow quick installation
- Compact, lightweight
- Rope  $\varnothing \leq 13\text{mm}$
- 21mm sheave mounted on self-lubricating bushings

### TANDEM P21

#### Double pulley for Tyrolean traverses

- Ideal for clearing branches
- Rope  $\varnothing \leq 13\text{mm}$
- 21mm sheave mounted on self-lubricating bushings

### TWIN P65

#### Highly efficient double Prusik pulley

- Allows for easy set-up of a pulley system to tension a branch
- Rope  $\varnothing \leq 13\text{mm}$
- 51mm sheave mounted on ball bearings

### PRO TRAXION P51

#### Very efficient progress capture pulley

## Other arborist gear

## Descenders



I'D S



GRIGRI

**I'D S** D200S0**Self-braking descender/belay device with anti-panic function**

- Multi-functional handle allows the user to:
  - comfortably control a descent
  - install the working rope (single) on a releasable system to facilitate rescue
  - make reversible pulley systems
  - position themselves on the rope without tying-off the device (locking position on handle)
  - engage the anti-panic function (if the user pulls too hard on the handle, the pivoting cam will be released and will automatically brake and stop the descent)
- For ropes between 10 and 11.5mm in diameter

**GRIGRI** D14**Self-braking descender / belay device**

- For belays using rock climbing techniques
- Pivoting cam makes it easier to take up the slack in the rope. Can also be used to make a reversible haul system, and for short ascents (in conjunction with a footloop and a handled rope grab)
- For ropes between 10 and 11mm in diameter

IMPROVED

## Anchors



PAW S



PAW M



PAW L



TREESBEE

**PAW** P63**Rigging plate**

- Available in three sizes:
  - **PAW S** P63 S: small (weight 55g)
  - **PAW M** P63 M: medium (weight 210g)
  - **PAW L** P63 L: large (weight 350g)

**TREESBEE** C04**False crotch**

- Recoverable anchor strap
- Length: 110cm
- Weight: 325g

## Rope clamps



MICROGRAB



RESCUCENDER



MACROCENDER

**MICROGRAB** B53**Cam-loaded rope clamp for permanent installation on a rope**

- For single ropes between 9 and 13mm in diameter

**RESCUCENDER** B50**Cam-loaded rope clamp**

- For single ropes between 9 and 13mm in diameter

**MACROCENDER** B51**Cam-loaded rope clamp for large diameter ropes**

- For single ropes between 12 and 19mm in diameter

## Accessories



TRANSPORT



TIKKA PLUS

**TRANSPORT** C02**Large capacity backpack****TIKKA® PLUS** E47 PBY**4 LED headlamp with three lighting levels**

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