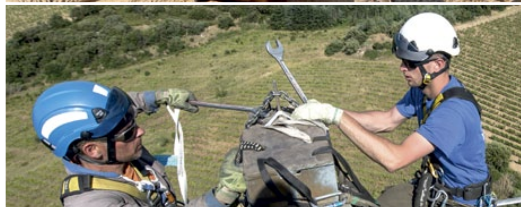


Harnesses



HARNESSES

Helmets



HELMETS

Lanyards and energy absorbers



LANYARDS AND ENERGY ABSORBERS

Mobile fall-arrest device



MOBILE FALL ARRESTERS

Connectors



CONNECTORS

Descenders



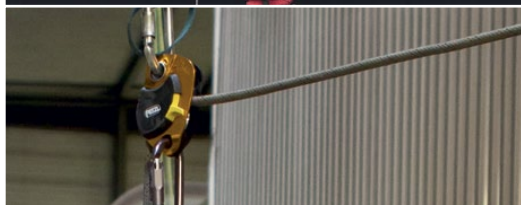
DESCENDERS

Ascenders



ASCENDERS

Pulleys



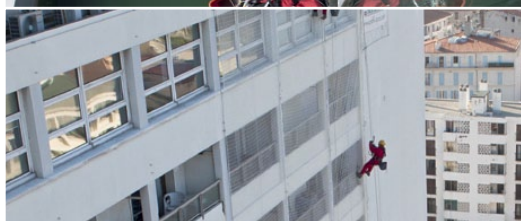
PULLEYS

Anchors and ropes



ANCHORS AND ROPES

Packs and accessories



PACKS AND ACCESSORIES



Groupe F. Pont du Gard, France © Lafouche

To meet the specific needs of each activity, as well as the different situations encountered in the field, Petzl offers several harness types. These products provide maximum efficiency and security for workers at height. They are simple to use, comfortable and technically adapted to the needs of the tasks for which they are designed. Petzl also offers various accessories that allow supplementary functionality to be integrated into the harness, as well as rescue equipment.

Work positioning and fall arrest harnesses

Versatile and comfortable harnesses for fall arrest and for working in suspension.



AVAO BOD FAST
AVAO BOD



AVAO SIT FAST
AVAO SIT



TOP



TOOLBAG

Harnesses for difficult access

Comfortable harnesses, with integrated ventral rope clamp for ascending rope.



AVAO BOD CROLL FAST



AVAO SIT FAST
AVAO SIT



TOP CROLL



PODIUM



TOOLBAG

Tree care harnesses

Comfortable harnesses, with attachment bridge, for greater freedom of movement (triangulation facilitating lateral mobility).

NEW
2014



SEQUOIA SRT

NEW
2014



SEQUOIA

Rescue harnesses

Lightweight and versatile harnesses adapted to different rescue environments.



FALCON



FALCON MOUNTAIN



FALCON ASCENT

Fall arrest harnesses

Simple and easy to don harnesses for fall arrest.



NEWTON FAST JAK



NEWTON

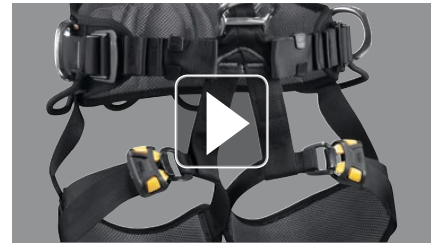
Strong points of AVAO BOD harnesses



AVAO BOD FAST
AVAO BOD



AVAO BOD CROLL FAST



Find the AVAO harness video presentation at www.petzl.com/AVAO.

Comfort



The dorsal construction of the AVAO is X-shaped to more completely envelop the user. This design optimally distributes pressure in order to ensure great comfort during prolonged suspension.



The waistbelt and the leg loops of the AVAO harness are semi-rigid and wide in order to limit pressure points and ensure effective support. These two zones are sculpted and lined with breathable perforated foam for a more comfortable feel and good ventilation. This construction also facilitates harness donning.



The foam shoulder straps are widely spaced to reduce neck chafing.

Ergonomics

Practical adjustment



The AVAO harness may be adjusted at the waistbelt and shoulder straps. These adjustment points are equipped with self-locking DoubleBack buckles. These do not require re-threading to be locked: the harness adjusts easily in seconds.



To facilitate donning the harness with the feet on the ground or with larger footwear, the AVAO harness is also available with new FAST automatic buckles on the leg loops. Once adjusted, these buckles open and close easily and quickly - the harness can be put on without adjusting all the buckles.

Optimal organization of tools



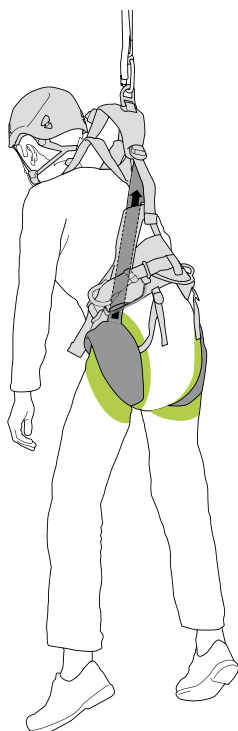
AVAO harnesses are equipped with six equipment loops: on the sides and at the rear of the waistbelt. They are shaped to facilitate clipping carabiners. Each harness also has retainers designed for the CARITool tool holder and the TOOLBAG pouch.

Less traumatizing post-fall position

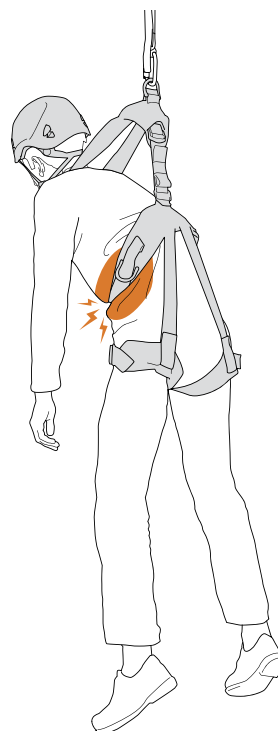
AVAO harnesses are equipped with a dorsal attachment point for connecting a fall arrest system. In case of a fall, the weight of the user is automatically transferred to the leg loops to limit pressure points. This way, the user can remain suspended longer while waiting for rescue.

Warning: Provisions for a rescue plan for each work site should always be made in advance in order to be prepared to rescue a patient as quickly as possible.

AVAO harness



Standard harness



AVAO® BOD

Comfortable fall arrest and work positioning harness

**NEW
2014**



Shoulder straps with self-locking DoubleBack buckles on each side

X-shaped dorsal construction

Reinforced semi-rigid waistbelt

Leg loops with self-locking DoubleBack buckles or automatic FAST buckles

- Designed for comfort in any situation:
 - X-shaped dorsal construction wraps to reduce pressure points during prolonged suspension
 - semi-rigid, wide waistbelt and leg loops for excellent positioning; sculpted and lined with breathable perforated foam for comfort during suspension
 - foam shoulder straps are widely spaced to reduce neck chafing; when the waistbelt is loaded, they help distribute this load over the shoulders
- Practical adjustment:
 - waistbelt and shoulder straps equipped with self-locking DoubleBack buckles for quick and easy adjustment
 - available with leg loops equipped with self-locking DoubleBack buckles or FAST buckles for quick and easy opening and closing without the need to readjust them, even while wearing gloves
 - fold-away side attachment points prevent accidental snagging

- Facilitates carrying and organization of tools:
 - six pre-shaped equipment loops with protective sheath
 - four CARITool tool holder retainers
 - two slots for TOOLBAG tool pouch
- Less traumatizing post-fall position:
 - in case of a fall on the dorsal attachment point, the load is distributed over the leg loops, allowing the user to remain suspended longer while awaiting rescue
- Available in versions certified to European standards:
 - AVAO BOD (C71AAA): leg loops equipped with self-locking DoubleBack buckles
 - AVAO BOD FAST (C71AFA): leg loops equipped with FAST automatic buckles

- Available in international versions (certified to North American and European standards), with a fall indicator (a red strap appears on the dorsal attachment point after a fall to indicate that the harness should be retired).
 - AVAO BOD (C71AAA U): leg loops equipped with self-locking DoubleBack buckles
 - AVAO BOD FAST (C71AFA U): leg loops equipped with FAST automatic buckles
 - AVAO BOD FAST black (C71AFN U): black, leg loops equipped with FAST automatic buckles

Find all the possibilities of the AVAO harness at www.petzl.com/AVAO.



AVAO® SIT

Work positioning seat harness

- Built for comfort:
 - semi-rigid, wide waistbelt and leg loops for excellent positioning; sculpted and lined with breathable perforated foam for comfort during suspension
- Practical adjustment:
 - waistbelt equipped with self-locking DoubleBack buckles for quick and easy adjustment
 - available with leg loops equipped with self-locking DoubleBack buckles or FAST buckles for quick and easy opening and closing without the need to readjust them, even while wearing gloves
 - fold-away side attachment points prevent accidental snagging
- Facilitates carrying and organization of tools:
 - six pre-shaped equipment loops with protective sheath
 - four CARITool tool holder retainers
 - two slots for TOOLBAG tool pouch
- The rear attachment point on the waistbelt allows connection of a restraint lanyard or a TOP chest harness (new or old version), transforming the harness into a fall arrest harness
- Available in three versions:
 - AVAO SIT (C79AAA): leg loops equipped with self-locking DoubleBack buckles
 - AVAO SIT FAST (C79AFA): leg loops equipped with FAST automatic buckles
 - AVAO SIT black (C79AAN): black, leg loops equipped with self-locking DoubleBack buckles

Find all the possibilities of the AVAO harness at www.petzl.com/AVAO.



TOP

Chest harness for seat harness

- Transforms the AVAO SIT, FALCON and SEQUOIA SRT seat harnesses into fall arrest harnesses
- Joins at the rear buckle and connects to the ventral attachment point
- Foam shoulder straps are widely spaced to reduce neck chafing. When the waistbelt is weighted, they help distribute the load over the shoulders
- Shoulder straps equipped with self-locking DoubleBack buckles for quick and easy adjustment
- Sternal attachment point for connecting a fall arrest system
- Available in two versions:
 - TOP (C81AAA)
 - TOP black (C81AAN); color: black



TOOLBAG

Tool pouch

- Allows tools to be organized during suspended work
- Cordlock allows the pouch to be closed easily during transport or when moving about
- Attaches easily to any harness in the AVAO line
- TOOLBAG S (S47Y S):
 - for smaller tools (measuring tape, pencil, screws/nuts...)
 - small size (2.5 liters), 170 g
- TOOLBAG L (S47Y L):
 - for hand tools (hammer, screwdriver...)
 - large size (5 liters), 240 g

AVAO® BOD CROLL FAST

Comfortable harness for rope access

NEW
2014

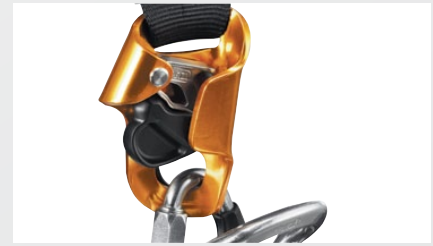


X-shaped dorsal construction

CROLL ventral rope clamp

Reinforced semi-rigid waistbelt

Leg loops equipped with FAST automatic buckles



Integrated CROLL ventral rope clamp. The shoulder-strap/waistbelt connector is equipped with a captive bar to inhibit connector rotation.



Shoulder straps with self-locking DoubleBack buckles for easier harness adjustment.



Two hooking points allow a PODIUM seat to be attached, for greater comfort during prolonged suspension.

- Integrated CROLL ventral rope clamp for ascending ropes
- Built for comfort:
 - X-shaped dorsal construction wraps to reduce pressure points during prolonged suspension
 - semi-rigid, wide waistbelt and leg loops for excellent positioning; sculpted and lined with breathable perforated foam for comfort during suspension
 - foam shoulder straps are widely spaced to reduce neck chafing; when the waistbelt is loaded, they help distribute this load over the shoulders
 - hooking points for installing a PODIUM seat for use in prolonged suspension

- Practical adjustment:
 - waistbelt and shoulder straps equipped with self-locking DoubleBack buckles for quick and easy adjustment
 - leg loops equipped with FAST buckles for quick and easy opening and closing without the need to readjust them, even while wearing gloves
 - fold-away side attachment points prevent accidental snagging
- Facilitates carrying and organization of tools:
 - six pre-shaped equipment loops with protective sheath
 - four CARITool tool holder retainers
 - two slots for TOOLBAG tool pouch

- Less traumatizing post-fall position:
 - in case of a fall on the dorsal attachment point, the load is distributed over the leg loops, allowing the user to remain suspended longer while awaiting rescue
- Available in version certified to European standards:
 - AVAO BOD CROLL FAST (C71CFA)
- Available in international versions (certified to North American and European standards), with a fall indicator (a red strap appears on the dorsal attachment point after a fall to indicate that the harness should be retired).
 - AVAO BOD CROLL FAST (C71CFA U)
 - AVAO BOD CROLL FAST black (C71CFN U): black color

Find all the possibilities of the AVAO harness at www.petzl.com/AVAO.



AVAO® SIT

Work positioning seat harness

- Built for comfort:
 - semi-rigid, wide waistbelt and leg loops for excellent positioning; sculpted and lined with breathable perforated foam for comfort during suspension
- Practical adjustment:
 - waistbelt equipped with self-locking DoubleBack buckles for quick and easy adjustment
 - available with leg loops equipped with self-locking DoubleBack buckles or FAST buckles for quick and easy opening and closing without the need to readjust them, even while wearing gloves
 - fold-away side attachment points prevent accidental snagging
- Facilitates carrying and organization of tools:
 - six pre-shaped equipment loops with protective sheath
 - four CARITool tool holder retainers
 - two slots for TOOLBAG tool pouch
- The rear attachment point on the waistbelt allows connection of a restraint lanyard, or a TOP CROLL (new or old version) to make the harness into a rope access harness
- Available in three versions:
 - AVAO SIT (C79AAA): leg loops equipped with self-locking DoubleBack buckles
 - AVAO SIT FAST (C79AFA): leg loops equipped with FAST automatic buckles
 - AVAO SIT black (C79AAN): black, leg loops equipped with self-locking DoubleBack buckles

Find all the possibilities of the AVAO harness at www.petzl.com/AVAO.



TOP CROLL C81CAA

Chest harness for seat harness, with integrated CROLL ventral rope clamp

- Integrates a CROLL ventral rope clamp to transform the AVAO SIT, FALCON, FALCON ASCENT and SEQUOIA SRT harnesses into rope access harnesses
- Joins at the rear buckle and connects to the ventral attachment point with the DELTA directional connector
- Foam shoulder straps are widely spaced to reduce neck chafing. When the waistbelt is weighted, they help distribute the load over the shoulders
- Shoulder straps equipped with self-locking DoubleBack buckles for quick and easy adjustment
- Sternal attachment point for connecting a fall arrest system



PODIUM



TOOLBAG

PODIUM S70

Podium seat designed for prolonged suspension

- Wide, comfortable sitting position offers excellent stability
- Rigid sides prevent the webbing straps from cutting into the thighs
- Straps are adjustable with self-locking DoubleBack buckles
- Three equipment loops
- Easily positioned on the back when not in use
- Weight: 1170 g

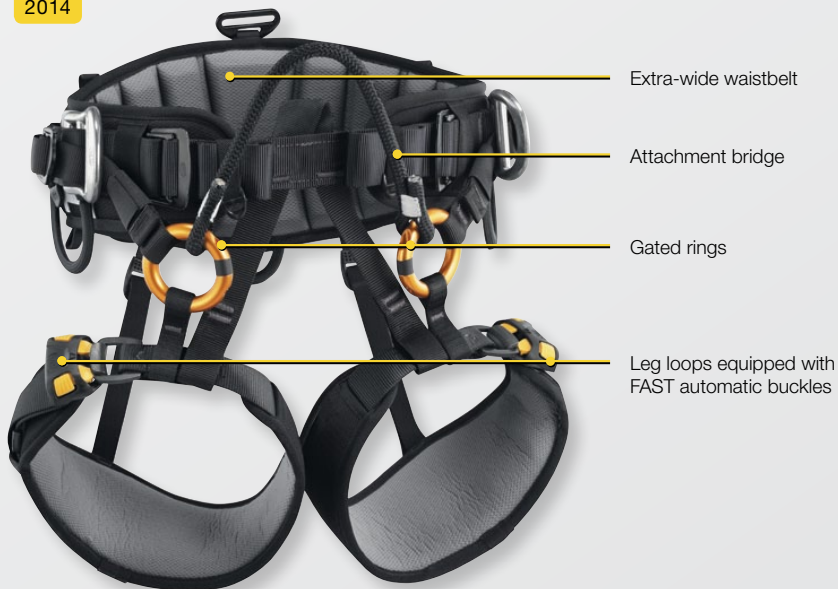
TOOLBAG

Tool pouch

- Allows tools to be organized during suspended work
- Cordlock allows the pouch to be closed easily during transport or when moving about
- Attaches easily to any harness in the AVAO line
- TOOLBAG S (S47Y S):
 - for smaller tools (measuring tape, pencil, screws/nuts...)
 - small size (2.5 liters), 170 g
- TOOLBAG L (S47Y L):
 - for hand tools (hammer, screwdriver...)
 - large size (5 liters), 240 g

SEQUOIA SRT C69BFA

Tree care seat harness for single rope ascent techniques

NEW
2014

Extra-wide waistbelt

Attachment bridge

Gated rings

Leg loops equipped with FAST automatic buckles

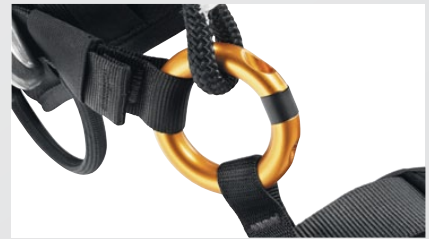
- Harness designed for ascents on a single rope:
 - ventral attachment point and rear buckle for installing a CROLL ventral rope clamp with a SECUR shoulder strap
- Built for comfort:
 - semi-rigid, wide waistbelt and leg loops for excellent positioning; sculpted and lined with perforated foam for comfort during suspension
 - foam on leg loops can be adjusted for perfect positioning
 - mobile side attachment points allow the user to follow the orientation of the lanyard during lateral movement
 - attachment bridge improves lateral mobility
- Practical adjustment:
 - waistbelt equipped with self-locking DoubleBack buckles for quick and easy adjustment
 - leg loops equipped with FAST buckles for quick and easy opening and closing without the need to readjust them, even while wearing gloves
 - buckles to adjust weight distribution between the waistbelt and the leg loops
 - gated rings to adapt the length of the attachment bridge and to install accessories directly on the attachment bridge (RING, SWIVEL)

- Facilitates carrying and organization of tools:
 - seven pre-shaped equipment loops with protective sheath
 - five retainers for CARITool tool holder
 - two retainers for a carabiner to hold a chainsaw or handsaw
 - elastic for attaching a first aid kit
- Can be accessorized in order to adapt the harness to its use:
 - seat (S69)
 - shoulder strap (C69B)

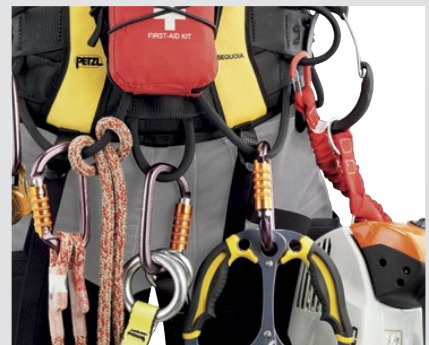
Find the SEQUOIA harness video presentation at www.petzl.com/SEQUOIA.



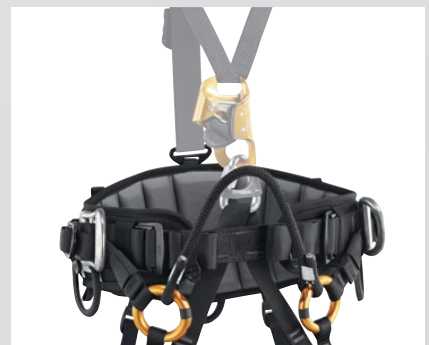
Sculpted waistbelt is lined with perforated foam for improved comfort when suspended



Gated rings for installing an attachment bridge of a different length and attaching accessories directly (RING or SWIVEL)



Waistbelt designed to facilitate carrying and organization of tools



Ventral attachment point and rear buckle for installing a CROLL ventral rope clamp with a SECUR shoulder strap

**NEW
2014**



SEQUOIA C69AFA

Tree care seat harness for double rope ascent techniques.

- Built for comfort:
 - semi-rigid, wide waistbelt and leg loops for excellent positioning; sculpted and lined with perforated foam for comfort during suspension
 - foam on leg loops can be adjusted for perfect positioning
 - mobile side attachment points allow the user to follow the orientation of the lanyard during lateral movement
 - attachment bridge improves lateral mobility
- Practical adjustment:
 - waistbelt and leg loops equipped with FAST buckles for quick and easy opening and closing without the need to readjust them, even while wearing gloves
 - buckles to adjust weight distribution between the waistbelt and the leg loops
 - gated rings to adapt the length of the attachment bridge and to install accessories directly on the attachment bridge (RING, SWIVEL)
- Facilitates carrying and organization of tools:
 - seven pre-shaped equipment loops with protective sheath
 - five retainers for CARITool tool holder
 - two retainers for a carabiner to hold a chainsaw or handsaw
 - elastic for attaching a first aid kit
- The seat (S69) may be added

**NEW
2014**



Shoulder strap for SEQUOIA harness

**NEW
2014**



Seat for SEQUOIA and SEQUOIA SRT harness

Shoulder strap for SEQUOIA SRT harness C69B

- Takes up the load on the waistbelt to better distribute it over the shoulders
- Shoulder straps are widely spaced to reduce neck chafing
- Connects to the ventral attachment point of the SEQUOIA SRT harness and to the two retainers at the rear of the waistbelt
- DoubleBack self-locking buckle for quick, easy adjustment
- Weight: 280 g

Seat for SEQUOIA and SEQUOIA SRT harness S69

- Wide, comfortable seat for working comfortably during suspension
- Adjustable width to reduce bulk and facilitate movement within the tree.
- Straps adjust with self-locking DoubleBack buckles for quick and easy adjustment
- Easy to position on the back when not in use
- Connects to the two gated rings of the SEQUOIA and SEQUOIA SRT harnesses
- Weight: 950 g

**NEW
2014**

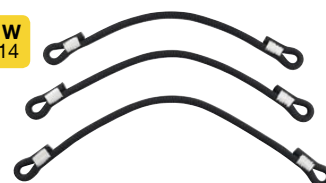


RING S



RING L

**NEW
2014**



Attachment bridge for SEQUOIA and SEQUOIA SRT harness

RING

Connection ring

- Installs directly onto the SEQUOIA and SEQUOIA SRT harnesses' attachment bridge to improve the arborist's lateral mobility
- Round shape ensures good positioning of the connection ring when it stops against the gated rings
- Available in two sizes:
 - RING S (C04620): 40 g
 - RING L (C04630): 70 g

Attachment bridge for SEQUOIA and SEQUOIA SRT harness C69F

- Offers greater lateral mobility to the arborist
- Connects to the two gated rings of the SEQUOIA and SEQUOIA SRT harnesses
- Available in 3 lengths to adjust the position of progression tools on the bridge:
 - 25 cm, 43 g (C69F 25)
 - 30 cm, 45 g (C69F 30)
 - 35 cm, 46 g (C69F 35)

FALCON

Lightweight seat harness for rescue

The waistbelt and leg loops are compact and lightweight for excellent mobility



Textile lateral attachment points for occasional use

- Waistbelt and leg loops lined with breathable perforated foam for maximum comfort
- A ventral attachment point that distributes the load between the waistbelt and the leg loops during suspended work
- Two textile lateral attachment points (for occasional use) transfer the weight evenly around the waistbelt for comfortable surface-supported work
- Textile rear attachment point on the waistbelt for connecting a restraint lanyard
- Rear attachment buckle for attaching the TOP or TOP CROLL chest harness
- Waistbelt and leg loops equipped with two self-locking DoubleBack buckles for quick and easy adjustment
- Four equipment loops: two large rigid ones in front for easy access to gear and two small flexible ones in back that will not interfere with wearing a backpack
- Two slots for CARITool tool holder
- Available in two versions:
 - FALCON (C38AAA)
 - FALCON black (C38AAN): color: black



The rear buckle allows a TOP chest harness to be attached when winching a load up to a helicopter, or a TOP CROLL chest harness to transform the FALCON into a difficult-access harness



FALCON

MOUNTAIN C38CAA

Seat harness for mountain rescue

- Waistbelt and leg loops lined with breathable perforated foam for maximum comfort
- Attachment bridge construction for optimum mobility when progressing with climbing techniques
- Two textile lateral attachment points (for occasional use) transfer the weight evenly around the waistbelt for comfortable surface-supported work
- Textile rear attachment point on the waistbelt for connecting a restraint lanyard
- Waistbelt and leg loops equipped with two self-locking DoubleBack buckles for quick and easy adjustment
- Four equipment loops: two large rigid ones in front for easy access to gear and two small flexible ones in back that will not interfere with wearing a backpack
- Two slots for CARITool tool holder

NEW
2014



CHEST'AIR C98A

Chest harness for seat harnesses

- Transforms the FALCON, FALCON MOUNTAIN, AVAO SIT and SEQUOIA SRT seat harnesses into fall arrest harnesses
- Connects simply to the harness ventral attachment point for rapid installation.
- Textile sternal attachment point does not interfere when not in use
- Ventral straps and shoulder straps equipped with DoubleBack buckles to quickly adapt the chest harness to all body types
- Chest size: 145 cm maximum



FALCON ASCENT C38BAA

Seat harness, efficient for rope ascents

- Waistbelt and leg loops lined with breathable perforated foam for maximum comfort
- Two-part ventral attachment point increases the efficiency of rope ascents when using a CROLL ventral rope clamp
- Two textile lateral attachment points (for occasional use) transfer the weight evenly around the waistbelt for comfortable surface-supported work
- Textile rear attachment point on the waistbelt for connecting a restraint lanyard
- Harness can be used with the CROLL ventral rope clamp, in combination with the SECUR shoulder strap or the TOP CROLL chest harness (connection point at rear of harness)
- Waistbelt and leg loops equipped with two self-locking DoubleBack buckles for quick and easy adjustment
- Four equipment loops: two large rigid ones in front for easy access to gear and two small flexible ones in back that will not interfere with wearing a backpack
- Two slots for CARITool tool holder



OMNI TRIACT-LOCK



OMNI SCREW-LOCK

OMNI

Multi-directional semi-circle carabiner

- Multi-directional carabiner for:
 - fastening the NEWTON and FALCON ASCENT harnesses by joining the two attachment points
 - connecting a fall arrest system (NEWTON) or a CROLL ventral rope clamp (FALCON ASCENT)
- Strength: 15 kN (in all directions)
- Keylock system helps prevent snagging of the carabiner during maneuvers
- Red indicator provides a visual warning when the carabiner is unlocked (on SCREW-LOCK version)
- Two locking systems available:
 - OMNI (M37 TL): TRIACT-LOCK
 - OMNI (M37 SL): SCREW-LOCK
- Also available in black:
 - OMNI (M37 TLN): TRIACT-LOCK black
 - OMNI (M37 SLN): SCREW-LOCK black

NEWTON FAST JAK C73JF0

Basic fall arrest harness is compatible with JAK vest

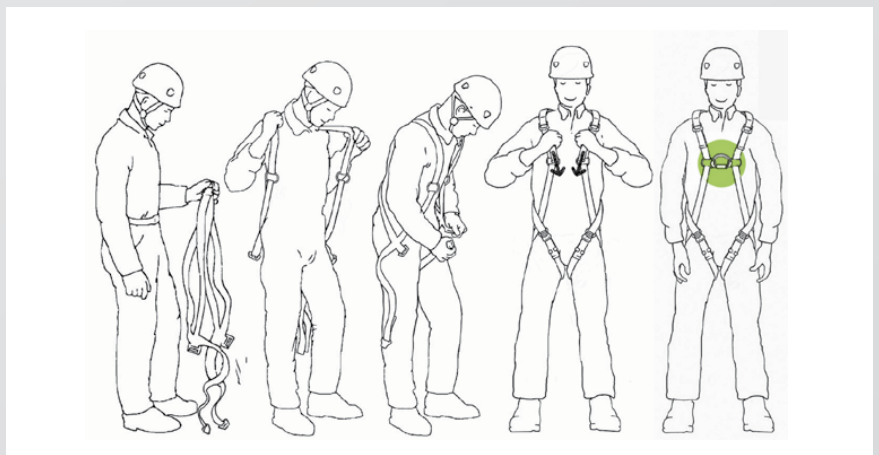


The JAK vest and the automatic FAST buckles make the harness easy to put on



The two-part sternal attachment point is used with the semi-circular OMNI carabiner

- JAK vest facilitates proper donning of the harness
- FAST automatic buckles on leg loops allow the harness to be put on easily with both feet on the ground
- A sternal and a dorsal attachment point for connecting a fall arrest system
- Shoulder straps equipped with self-locking DoubleBack buckles for quick and easy adjustment
- Two equipment loops with protective sheath
- Work positioning on the lateral attachment points is possible with the PAD FAST waistbelt
- Upright descent with the help of the LIFT spreader
- Also available in a black version without dorsal attachment point: NEWTON FAST JAK STERNAL (C73JFN)



The harness can be donned with both feet on the ground, while retaining its adjustment settings, thanks to the two-part attachment point and FAST buckles



NEWTON C73000

Basic modular fall arrest harness

- Upper and lower straps are different colors to facilitate donning the harness correctly
- A sternal and a dorsal attachment point for connecting a fall arrest system
- Shoulder straps equipped with self-locking DoubleBack buckles for quick and easy adjustment
- Two equipment loops with protective sheath
- Work positioning on the lateral attachment points is possible with the PAD FAST waistbelt
- Upright descent with the help of the LIFT spreader



OMNI TRIACT-LOCK

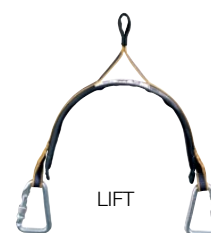


OMNI SCREW-LOCK

OMNI

Multi-directional semi-circle carabiner

- Multi-directional carabiner for:
 - fastening the NEWTON and FALCON ASCENT harnesses by joining the two attachment points
 - connecting a fall arrest system (NEWTON) or a CROLL ventral rope clamp (FALCON ASCENT)
- Strength: 15 kN (in all directions)
- Keylock system helps prevent snagging of the carabiner during maneuvers
- Red indicator provides a visual warning when the carabiner is unlocked (on SCREW-LOCK version)
- Two locking systems available:
 - OMNI (M37 TL): TRIACT-LOCK
 - OMNI (M37 SL): SCREW-LOCK
- Also available in black:
 - OMNI (M37 TLN): TRIACT-LOCK black
 - OMNI (M37 SLN): SCREW-LOCK black



LIFT



PAD FAST



JAK

LIFT L54

Spreader for NEWTON harness allows upright descent (for confined spaces)

- Triangular carabiners for easier insertion into harness slots
- Rigid structure keeps its shape around the head
- Weight: 520 g
- Certification(s): CE

PAD FAST

Work positioning waistbelt for NEWTON harness

- Transforms the basic fall arrest harness into a work positioning and fall arrest harness
- Comfortable for work positioning with the feet supported against a surface
- Two lateral attachment points
- FAST automatic buckle for easy and quick opening and closing without the need to readjust
- Certification(s): CE EN 358
- Available in three sizes:
 - size 0 (C89 0F): 60 -95 cm (344 g)
 - size 1 (C89 1F): 75 -105 cm (387 g)
 - size 2 (C89 2F): 95 -120 cm (417 g)

JAK

Pre-shaped vest makes it easier to don the NEWTON harness

- Keeps the shape of the harness, ready to don
- Attaches with loops and Velcro patches
- Breathable mesh fabric
- Available in two sizes:
 - size 1 (C73101 1): 250 g
 - size 2 (C73101 2): 290 g

The NEST litter was developed in partnership with the French National Caving Rescue Association. It is therefore ideal for all technical rope rescue, particularly in confined spaces.



NEST S61

Litter for confined spaces

- Allows the patient to be transported horizontally, vertically or at an angle, to adapt to irregular or narrow terrain
- Litter has a complete body harness integrated in it to secure the patient. Color coded to avoid any installation error.
- DoubleBack self-locking buckles for quick, easy adjustment
- Smooth, rigid plastic bottom ensures good sliding
- Foam padding provides comfort for the patient's back
- Rigid stays can be removed to reduce bulk when accessing accident site
- Optional accessory: STEF inclination device allows the litter to be easily tilted according to the terrain
- Weight: 12.8 kg
- Dimensions: 200 x 50 x 5 cm

STEF S59

Inclination device for NEST litter

- Allows the litter to be easily tilted according to the terrain
- TRIACT-LOCK directional connectors automatically lock the three connection points
- Swivel allows the litter to be precisely oriented
- SPIRIT carabiner integrated for fixing the litter in horizontal position
- Weight: 600 g

Evacuation triangles are mainly used for rescue, on ski lifts and by firefighters. They are used to evacuate unequipped people as quickly as possible.



PITAGOR



BERMUDE

PITAGOR C80 BR

Evacuation triangle with shoulder straps

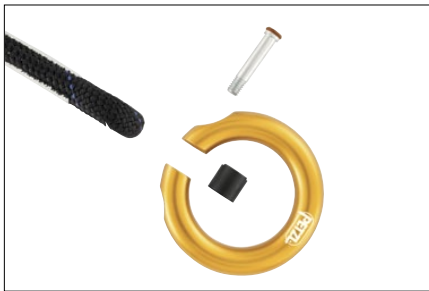
- Shoulder straps make it easy to put on
- Adjusts quickly and easily on the patient with self-locking DoubleBack buckles
- Certification(s): EN 1497, EN 1498
- Weight: 1290 g

BERMUDE C80

Evacuation triangle without shoulder straps

- Easy and quick to install (even on a sitting person)
- Adapts to different builds without adjustment (many position options on attachment points)
- Certification(s): CE EN 1498
- Weight: 795 g

**NEW
2014**



RING OPEN P28

Multi-directional gated ring

- Ring designed for semi-permanent connection of the equipment to the harness
- Round shape ensures optimal functioning in all directions
- Wide opening allows installation of ropes with sewn terminations
- Weight: 70 g
- Certification(s): CE

TOOLBAG

Tool pouch

- Allows tools to be organized during suspended work
- Cordlock allows the pouch to be closed easily during transport or when moving about
- Attaches easily to any harness in the AVAO line
- **TOOLBAG S (S47Y S):**
 - for smaller tools (measuring tape, pencil, screws/nuts...)
 - small size (2.5 liters), 170 g
- **TOOLBAG L (S47Y L):**
 - for hand tools (hammer, screwdriver...)
 - large size (5 liters), 240 g



CARITOOOL

Tool holder

- Tools accessed and organized with one hand
- Flat top aids in sorting attached 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:
 - **CARITOOOL (P42):** maximum load: 5 kg, weight: 25 g
 - **CARITOOOL L (P42 L):** maximum load: 15 kg, weight: 60 g

Note: This tool holder is not PPE.



HARNESSES

HELMETS

LANYARDS AND
ENERGY ABSORBERS

MOBILE FALL
ARRESTERS

CONNECTORS








DESCENDERS

ASCENDERS

PULLEYS

ANCHORS AND
ROPES

PACKS AND
ACCESSORIES

		European version		International version			
		reference	certification	reference	certification		
AVAO BOD		AVAO BOD	C71AAA 0	CE EN 361 CE EN 358 CE EN 813	C71AAA 0U	ANSI Z359.1 NFPA 1983 Class III CSA Z259.10 CE EN 361 CE EN 358 CE EN 813	
			C71AAA 1		C71AAA 1U		
			C71AAA 2		C71AAA 2U		
		AVAO BOD FAST	C71AFA 0		C71AFA 0U / C71AFN 0U		
			C71AFA 1		C71AFA 1U / C71AFN 1U		
			C71AFA 2		C71AFA 2U / C71AFN 2U		
	AVAO BOD CROLL FAST	C71CFA 0	CE EN 361 CE EN 358 CE EN 813 CE EN 12841 type B		C71CFA 0U / C71CFN 0U		ANSI Z359.1 CSA Z259.10 CE EN 361 CE EN 358 CE EN 813 CE EN 12841 type B
		C71CFA 1			C71CFA 1U / C71CFN 1U		
		C71CFA 2			C71CFA 2U / C71CFN 2U		
AVAO SIT		AVAO SIT	C79AAA 1 / C79AAN 1	CE EN 358 CE EN 813	-	-	
			C79AAA 2 / C79AAN 2				
		AVAO SIT FAST	C79AFA 0				
			C79AFA 1				
			C79AFA 2				
TOP		TOP	C81AAA / C81AAN	(with an AVAO SIT, NAVAHO SIT, FALCON, SEQUOIA SRT seat harness)	-	-	
		TOP CROLL	C81CAA	(with a AVAO SIT, NAVAHO SIT, FALCON, FALCON ASCENT, SEQUOIA SRT seat harness)	CE EN 12841 type B	-	-
SEQUOIA		SEQUOIA SRT	C69BFA 1	CE EN 358 CE EN 813	-	-	
			C69BFA 2				
		SEQUOIA	C69AFA 1				
			C69AFA 2				
FALCON		FALCON	C38AAA 1 / C38AAN 1	CE EN 358 CE EN 813	-	-	
			C38AAA 2 / C38AAN 2				
		FALCON MOUNTAIN	C38CAA 1	CE EN 813 CE EN 358 CE EN 12277 type C			
			C38CAA 2				
		FALCON ASCENT	C38BAA 1	CE EN 813 CE EN 358			
			C38BAA 2				
CHEST'AIR			C98A	(with a FALCON, FALCON MOUNTAIN, AVAO SIT, SEQUOIA SRT seat harness)	CE EN 12277 type D	-	-
NEWTON		NEWTON FAST JAK	C73JF0 0	CE EN 361	-	-	
			C73JF0 1 / C73JFN 1S				
			C73JF0 2 / C73JFN 2S				
		NEWTON	C73000 1				
			C73000 2				

	Attachment point				Size			Weight	
	dorsal	sternal	ventral	lateral	Waistbelt	Leg loops	Stature		
	●	●	●	●	60 - 90 cm	45 - 65 cm	160 - 180 cm	2055 g	HARNESSES
	●	●	●	●	70 - 110 cm	45 - 65 cm	165 - 185 cm	2100 g	
	●	●	●	●	80 - 130 cm	60 - 75 cm	175 - 200 cm	2180 g	
	●	●	●	●	60 - 90 cm	45 - 65 cm	160 - 180 cm	2145 g	HELMETS
	●	●	●	●	70 - 110 cm	45 - 65 cm	165 - 185 cm	2190 g	
	●	●	●	●	80 - 130 cm	60 - 75 cm	175 - 200 cm	2270 g	
	●	●	●	●	60 - 90 cm	45 - 65 cm	160 - 180 cm	2330 g	LANYARDS AND ENERGY ABSORBERS
	●	●	●	●	70 - 110 cm	45 - 65 cm	165 - 185 cm	2375 g	
	●	●	●	●	80 - 130 cm	60 - 75 cm	175 - 200 cm	2455 g	
	-	-	●	●	70 - 110 cm	45 - 65 cm	-	1125 g	LANYARDS AND ENERGY ABSORBERS
	-	-	●	●	80 - 130 cm	60 - 75 cm	-	1140 g	
	-	-	●	●	60 - 90 cm	45 - 65 cm	-	1200 g	
	-	-	●	●	70 - 110 cm	45 - 65 cm	-	1215 g	
	-	-	●	●	80 - 130 cm	60 - 75 cm	-	1230 g	
	-	●	-	-	-	-	160 - 200 cm	660 g	MOBILE FALL ARRESTERS
	-	●	-	-	-	-	160 - 200 cm	880 g	CONNECTORS
	-	-	●	●	70 - 100 cm	50 - 65 cm	-	1530 g	DESCENDERS
	-	-	●	●	85 - 120 cm	60 - 75 cm	-	1590 g	
	-	-	●	●	65 - 100 cm	50 - 65 cm	-	1390 g	
	-	-	●	●	85 - 120 cm	60 - 75 cm	-	1450 g	
	-	-	●	●	70 - 120 cm	50 - 65 cm	-	840 g	ASCENDERS
	-	-	●	●	80 - 140 cm	60 - 75 cm	-	930 g	
	-	-	●	●	70 - 120 cm	50 - 65 cm	-	795 g	
	-	-	●	●	80 - 140 cm	60 - 75 cm	-	830 g	
	-	-	●	●	70 - 120 cm	50 - 65 cm	-	780 g	
	-	-	●	●	80 - 140 cm	60 - 75 cm	-	800 g	
	-	●	-	-	-	-	-	495 g	PULLEYS
	●	●	-	-	68 - 95 cm	45 - 60 cm	165 - 180 cm	960 g	ANCHORS AND ROPES
	● / -	●	-	-	75 - 104 cm	53 - 66 cm	173 - 187 cm	1020 g / 890 g	
	● / -	●	-	-	97 - 125 cm	55 - 75 cm	180 - 194 cm	1070 g / 930 g	
	●	●	-	-	75 - 104 cm	53 - 66 cm	173 - 187 cm	780 g	
	●	●	-	-	97 - 125 cm	55 - 75 cm	180 - 195 cm	810 g	
									PACKS AND ACCESSORIES

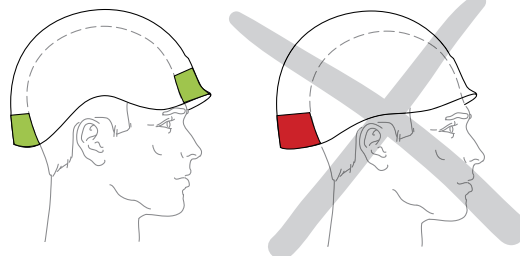
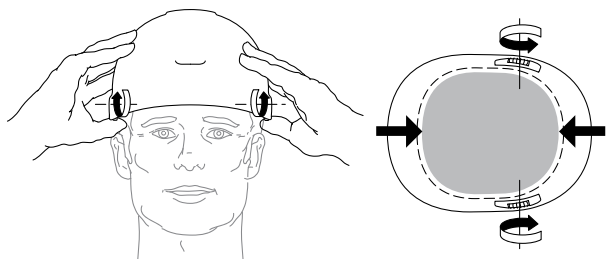


EEE - OMEXOM, ligne à 2 x 400 kV Baixas - Gaudière, La Tour de France, Pyrénées Orientales, France © Sam Blé / Latouche

CenterFit adjustment

The headband is adjusted with the simultaneous action of the two CenterFit adjustment wheels. The adjustment wheels are easy to manipulate while wearing gloves.

The CenterFit system allows the helmet to be perfectly centered on the head.



Adding accessories

VERTEX and ALVEO helmets adapt to your lighting needs and additional protection requirements in seconds.

For self-protection: the user can install a protective VIZIR, VIZIR SHADOW or VIZEN eye shield using the two side inserts, and can add hearing protection with the two side slots.

For lighting: each helmet has a front and rear mounting slot for attachment of a PIXA or ULTRA VARIO headlamp, and four positioning hooks for mounting a headlamp with an elastic headband.
















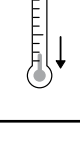
Personalizing

Each user can adapt his/her VERTEX or ALVEO helmet according to the need:

- **Sheet of transparent stickers:** allows the user to display a personal marking on the helmet
- **Sheet of reflective stickers:** provides better visibility in the dark
- **Absorbent foam:** textile foam ensures better absorption of perspiration, needs regular maintenance
- **Replacement foams:** foams similar to those provided with each helmet do not absorb perspiration



In the absence of specific European helmet standards for work at height, Petzl references different existing standards to develop its line of helmets suited to the needs of professionals:

							
		VERTEX BEST	ALVEO BEST	VERTEX BEST DUO LED 14	VERTEX VENT	ALVEO VENT	VERTEX ST
	Protection against mechanical impacts	EN 397	•		•		•
		EN 12492	•		•		•
	Ventilation	EN 12492	-		•		-
	Protection against electrical risks	EN 397	•	-	-		•
		EN 50365	•	-	-		•
	Limited risk of choking in case of helmet snagging	EN 397	-		-		• ⁽¹⁾
	Limited risk of losing helmet during a fall	EN 12492	• ⁽²⁾		• ⁽²⁾		-
	Protection against molten metal splash	EN 397	•		-		•
	Protection against lateral deformation	EN 397	•		•	-	•
	Use at low temperatures	EN 397	•		•	-	•
European certifications:			CE		CE EN 12492 (4)		CE EN 397 CE EN 50365
US certifications:			ANSI Z89.1-2009 type I Class E	-	ANSI Z89.1-2009 type I Class C (4)		ANSI Z89.1-2009 type I Class E
Canadian certifications:		CSA Z94.1-05 type 1 Class E (3)		-	- (4)		-

(1) Chin strap designed to release if snagged (strength less than 25 daN).

(2) Chin strap limits risk of losing helmet during a fall (strength greater than 50 daN).

(3) See product guide.

(4) ALVEO VENT is also UIAA certified.

VERTEX

VERTEX helmets have a six-point webbing suspension system for maximum comfort on the head. Shock absorption achieved through deformation of the outer shell
Weight: 455 g



Comfortable helmets

• For work at height and rescue

Helmets with mesh headband for optimal comfort and a strong chin strap.

NEW
2014



VERTEX BEST

NEW
2014



VERTEX BEST DUO LED 14

NEW
2014



VERTEX VENT

• For industrial use

Helmets with mesh headband for optimal comfort and a strong chin strap designed to release when snagged.

NEW
2014



VERTEX ST

ALVEO

ALVEO helmets have an internal expanded polystyrene foam liner for reduced weight. Shock is absorbed by deformation of the expanded polystyrene liner.
Weight: 350 g



Lightweight helmets

• For work at height and rescue

Helmet with expanded polystyrene liner for less weight and a strong chin strap.



ALVEO BEST



ALVEO VENT

VERTEX and ALVEO helmet accessories



VIZIR

NEW
2014



VIZIR SHADOW



VIZEN



Absorbent foam



Replacement foams



Transparent stickers
Reflective stickers

VERTEX® BEST

Comfortable helmet for work at height and rescue

NEW
2014



Slot for mounting
PIXA or ULTRA VARIO
headlamp

Adjustable and
removable chinstrap



- Optimal protection for work at height:
 - shock absorption achieved through deformation of the outer shell
 - closed shell for protection against electrical risk and molten metal splash
 - strong chinstrap (greater than 50 daN) limits the risk of losing the helmet during a fall
- Very comfortable to wear:
 - six-point mesh headband conforms perfectly to the shape of the head
 - CenterFit adjustment system adjusts the headband and keeps the helmet centered on the head
 - comes with two sizes of headband foam
- Many accessories are available in order to adapt the helmet to its use:
 - PIXA or ULTRA VARIO headlamp (front and back slots)
 - headlamp with elastic headband (positioning clips)
 - VIZIR, VIZIR SHADOW or VIZEN protective shield (lateral inserts)
 - hearing protection (side slots)

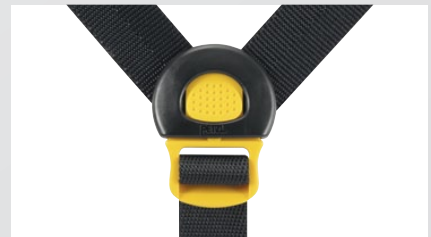
- Rugged, low-maintenance helmet:
 - coated straps resist dirt
 - chinstrap is easily removed for changing or cleaning
- Replacement chinstrap available:
 - standard version (A10300)
 - version for black VERTEX BEST (A10310)
- Size: 53-63 cm
- Weight: 455 g
- Available in versions certified for European and United States standards, available in six colors:
 - VERTEX BEST (A10BYB): yellow
 - VERTEX BEST (A10BWB): white
 - VERTEX BEST (A10BRB): red
 - VERTEX BEST (A10BNB): black
 - VERTEX BEST (A10BDB): orange
 - VERTEX BEST (A10BBB): blue
- Versions certified for European, United States and Canadian standards, available in six colors:
 - VERTEX BEST (A10BYD): yellow
 - VERTEX BEST (A10BWD): white
 - VERTEX BEST (A10BRD): red
 - VERTEX BEST (A10BND): black
 - VERTEX BEST (A10BOD): orange
 - VERTEX BEST (A10BBD): blue



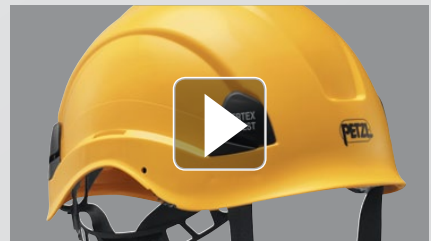
Headband is adjustable by simultaneous action of the two adjustment wheels, even with gloves on. The CenterFit system allows the helmet to be perfectly centered on the head



Chinstrap is easily removed for changing or cleaning



The chinstrap and buckle closure are designed to limit the risk of losing the helmet in case of a fall



Go to www.petzl.com/VERTEX for the video featuring the helmet and its accessories.

NEW
2014



NEW
2014



NEW
2014



VERTEX® BEST DUO LED 14 A10BWF

Comfortable helmet with integrated hybrid lighting

- VERTEX BEST helmet with durable headlamp that is waterproof to -5 meters (IP X8)
- Choose between two powerful light sources, according to the situation:
 - focused, distance lighting has adjustable zoom with halogen bulb
 - close-range lighting with three lighting modes (maximum, optimum, economic) and a long burn time, with 14 LEDs for a constant level of lighting until the batteries are almost discharged
- Comfortable and practical:
 - on/off switch locks to prevent inadvertently turning on the headlamp
 - light body can be tilted
 - spare halogen bulb in the head of the lamp
- Replacement chinstrap available (A10300)
- Size: 53-63 cm
- Weight: 625 g including batteries

Find all lighting performance information for the DUO LED 14 headlamp on page 147.

VERTEX® VENT

Comfortable ventilated helmet for work at height and rescue

- Excellent protection for work at height:
 - shock absorption achieved through deformation of the outer shell
 - strong chinstrap (greater than 50 daN) limits the risk of losing the helmet during a fall
- Very comfortable to wear:
 - six-point mesh headband conforms perfectly to the shape of the head
 - CenterFit adjustment system adjusts the headband and keeps the helmet centered on the head
 - vent holes with sliding shutters allow the ventilation to be adjusted while wearing the helmet.
 - comes with two sizes of headband foam
- Many accessories are available in order to adapt the helmet to its use:
 - PIXA or ULTRA VARIO headlamp (front and back slots)
 - headlamp with elastic headband (positioning clips)
 - VIZIR, VIZIR SHADOW or VIZEN protective shield (lateral inserts)
 - hearing protection (side slots)
- Rugged, low-maintenance helmet:
 - coated straps resist dirt
 - chinstrap is easily removed for changing or cleaning
- Replacement chinstrap available:
 - standard version (A10300)
 - version for black VERTEX VENT (A10310)
- Size: 53-63 cm
- Weight: 455 g
- Available in six colors:
 - VERTEX VENT (A10VYB): yellow
 - VERTEX VENT (A10VWB): white
 - VERTEX VENT (A10VRB): red
 - VERTEX VENT (A10VNB): black
 - VERTEX VENT (A10VOB): orange
 - VERTEX VENT (A10VBB): blue

VERTEX® ST

Comfortable helmet for industry

- Optimal protection for industry:
 - shock absorption achieved through deformation of the outer shell
 - its closed shell offers protection against electrical risk and molten metal splash
 - limits risk of choking, thanks to a chinstrap designed to release if snagged (strength less than 25 daN)
- Very comfortable to wear:
 - six-point mesh headband conforms perfectly to the shape of the head
 - CenterFit adjustment system adjusts the headband and keeps the helmet centered on the head
 - chinstrap can be removed when not in use
 - comes with two sizes of headband foam
- Many accessories are available in order to adapt the helmet to its use:
 - PIXA or ULTRA VARIO headlamp (front and back slots)
 - headlamp with elastic headband (positioning clips)
 - VIZIR, VIZIR SHADOW or VIZEN protective shield (lateral inserts)
 - hearing protection (side slots)
- Rugged, low-maintenance helmet:
 - coated straps resist dirt
 - chinstrap is easily removed for changing or cleaning
- Replacement chinstrap available (A10320)
- Size: 53-63 cm
- Weight: 455 g
- Available in two colors:
 - VERTEX ST (A10SWB): white
 - VERTEX ST (A10SRB): red

HARNESSES

HELMETS

LANYARDS AND
ENERGY ABSORBERS

MOBILE FALL
APPRESTERS

CONNECTORS

DESCENDERS

ASCENDERS

PULLEYS

ANCHORS AND
ROPES

PACKS AND
ACCESSORIES

ALVEO VENT

Ventilated helmet for work at height and rescue



Slot for mounting
PIXA or ULTRA VARIO
headlamp

Adjustable chinstrap



Headband is adjustable by simultaneous action of the two adjustment wheels, even with gloves on. The CenterFit system allows the helmet to be perfectly centered on the head



The chinstrap and buckle closure are designed to limit the risk of losing the helmet in case of a fall



Go to www.petzl.com/ALVEO for the video featuring the helmet and its accessories.

- Excellent protection for work at height:
 - shock is absorbed by deformation of the expanded polystyrene liner
 - strong chinstrap (greater than 50 daN) limits the risk of losing the helmet during a fall
- Built for reduced weight
- Comfortable to wear:
 - CenterFit adjustment system adjusts the headband and keeps the helmet centered on the head
 - ventilation holes allow air to pass through the helmet
 - comes with two sizes of headband foam

- Many accessories are available in order to adapt the helmet to its use:
 - PIXA or ULTRA VARIO headlamp (front and back slots)
 - headlamp with elastic headband (positioning clips)
 - VIZIR, VIZIR SHADOW or VIZEN protective shield (lateral inserts)
 - hearing protection (side slots)
- Size: 53-63 cm
- Weight: 340 g
- Available in three colors:
 - ALVEO VENT (A20VYA): yellow
 - ALVEO VENT (A20VWA): white
 - ALVEO VENT (A20VRA): red

Contains Alveolen® of Sekisui Alveo AG.



ALVEO BEST

Lightweight helmet for work at height and rescue

- Optimal protection for work at height:
 - shock is absorbed by deformation of the expanded polystyrene liner
 - unventilated shell (no holes) for protection against electrical risk and molten metal splash
 - strong chinstrap (greater than 50 daN) limits the risk of losing the helmet during a fall
- Built for reduced weight
- Comfortable to wear:
 - CenterFit adjustment system adjusts the headband and keeps the helmet centered on the head
 - comes with two sizes of headband foam
- Many accessories are available in order to adapt the helmet to its use:
 - PIXA or ULTRA VARIO headlamp (front and back slots)
 - headlamp with elastic headband (positioning clips)
 - VIZIR, VIZIR SHADOW or VIZEN protective shield (lateral inserts)
 - hearing protection (side slots)
- Size: 53-63 cm
- Weight: 350 g
- Available in three colors:
 - ALVEO BEST (A20BYA): yellow
 - ALVEO BEST (A20BWA): white
 - ALVEO BEST (A20BRA): red

Contains Alveolen® of Sekisui Alveo AG.



VIZIR

NEW 2014



VIZIR SHADOW



VIZEN

VIZIR A15A

Protective eye shield for VERTEX and ALVEO helmets

- Mounting inserts for easy installation on VERTEX (2011 version and later) and ALVEO helmets
- Pivots quickly from work position to storage position on top of the helmet
- Scratch- and fog-resistant
- Weight: 65 g
- Certification(s): CE EN 166, 1B, ANSI Z87.1-2010

VIZIR SHADOW A15AS

Tinted eye shield for VERTEX and ALVEO helmets

- Technical specifications identical to those for the VIZIR
- Level 2.5 solar protection filter protects the eyes from sun
- Additional certification: CE EN 172, 5-2.5

VIZEN A14

Eye shield with electrical protection for VERTEX and ALVEO helmets

- Ultra-wrap shield completely protects face against dangers of an electric arc
- Mounting inserts for easy installation on VERTEX (2011 version and later) and ALVEO helmets
- Pivots quickly from work position to storage position on top of the helmet
- Scratch- and fog-resistant
- Weight: 180 g
- Certification(s):
 - CE EN 166, 1BT8
 - CE EN 170, 2C-1,2
 - ANSI Z87.1-2010
 - GS ET-29, Class 1



Transparent stickers



Reflective stickers



Absorbent foam



Replacement foams

Transparent stickers A10100

- Page of 36 transparent stickers for personalizing VERTEX and ALVEO helmets
- Marking with permanent marker or laser printer

Reflective stickers

- Page of four pre-cut reflective stickers for increased visibility
- Available in two versions:
 - for VERTEX helmet (A10110)
 - for ALVEO helmet (A20110)

Absorbent foam

- Comfort foam absorbs perspiration
- Needs regular maintenance
- Machine washable
- Weight: 15 g
- Available in two versions:
 - for VERTEX helmet (A10200)
 - for ALVEO helmet (A20200)

Replacement foams

- Standard replacement foams:
 - regular foam covers most head sizes
 - thick foam covers smaller head sizes
- Easy maintenance
- Weight: 15 g
- Available in two versions:
 - for VERTEX helmet (A10210)
 - for ALVEO helmet (A20210)



Trabajos en Alturas, Xcaret Park, Riviera Maya, Playa del Carmen, Mexico © Marcos Ferró

There are two main types of lanyards:

- adjustable positioning lanyards for precise and comfortable positioning at a work station
- lanyards with an energy absorber designed to limit the impact force transmitted to the user in case of a fall

The Petzl lanyard range also includes specialized lanyards for specific uses:

- progression lanyards for difficult access
- positioning lanyards for tree care
- lanyards with energy absorber for the ASAP mobile fall arrester



Sewn terminations

Sewn terminations on rope lanyards give an increase in strength (compared to a knotted termination) while reducing bulk.



Plastic sheaths and STRING

Plastic sheaths and STRINGs hold the connectors in place. They also protect the ends of the lanyards from abrasion.



Adjustable lanyards for work positioning

Adjustable lanyards are used to build a work positioning system as a complement to a fall-arrest system. Their length can be very easily and precisely adjusted as necessary for comfortable positioning at a specific work station.



GRILLON



GRILLON HOOK



GRILLON MGO

HARNESSES

HELMETS

LANYARDS AND ENERGY ABSORBERS

Lanyards with energy absorber

Lanyards with energy absorber used when there is a fall risk. The energy absorber, sized according to lanyard length, allows energy to be dissipated through the tearing of specific webbing or stitching. Petzl suggests two types of lanyard with absorber:

- single-leg I lanyards for fixed work stations (ABSORBICA-I), or two-leg Y models for progression (ABSORBICA-Y)
- component lanyards having a maximum length of two meters (asymmetrical lanyards, mixed lanyards with two different connectors, etc., with ABSORBICA and JANE)

MOBILE FALL ARRESTERS

CONNECTORS

DESCENDERS

ASCENDERS



ABSORBICA-I



ABSORBICA-I MGO



ABSORBICA-Y



ABSORBICA-Y MGO



JANE



JANE MGO



DELTA



ABSORBICA

Specialized lanyards

Progression lanyards for difficult access



PROGRESS

NEW
2014



VERTIGO
TWIST-LOCK

Positioning lanyards for tree care

NEW
2014



ZILLON

Lanyards with energy absorber used with the ASAP mobile fall arrester

NEW
2014

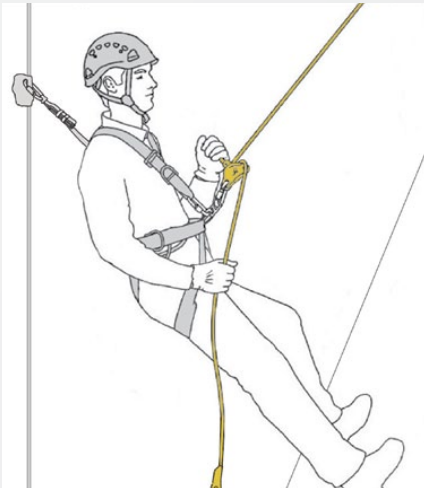


ASAP'SORBER

PULLEYS

ANCHORS AND ROPES

PACKS AND ACCESSORIES



Usage: single

When the anchor is located above the user, the GRILLON lanyard is connected to the harness ventral attachment point, so that the load is comfortably distributed between the belt and leg loops. The user adjusts his position by operating the handle, while holding the free end of the lanyard.



GRILLON

Adjustable lanyard for work positioning

- Lanyard with fine adjustment system for precise work positioning
- Can be used in two ways:
 - double mode, on the lateral attachment points of the harness, to distribute the weight on the belt (user has weight on his feet): length is adjusted by pressing on the pivoting cam)
 - single mode, on the harness ventral attachment point, to distribute weight between the waistbelt and the leg loops (user is suspended): length is adjusted by operating the handle while holding the free end of the lanyard
- Removable protective sheath protects the rope from abrasive surfaces and allows smooth rope glide.

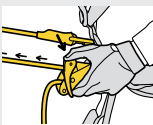
The protection can be removed when the single lanyard technique is used, to bring the user closer to the anchor

- Available in several lengths:
 - GRILLON (L52A 002): 2 m, 435 g
 - GRILLON (L52A 003): 3 m, 515 g
 - GRILLON (L52A 004): 4 m, 595 g
 - GRILLON (L52A 005): 5 m, 675 g
- Certification(s): CE EN 358



Usage: double

The GRILLON lanyard can be used in double mode (on the harness lateral attachment points) when the user must work with a supporting surface for the feet. This type of attachment gives better load distribution on the belt. The user precisely adjusts his position by pressing on the lanyard's pivoting cam.



NOTE: GRILLON lanyards can also be used to create adjustable anchors or horizontal lifelines; please see specific versions of GRILLON lanyards for these uses in the Anchors and Ropes section.



GRILLON HOOK

Adjustable work positioning lanyard with HOOK connector

- Lanyard with fine adjustment system for precise work positioning
- Used in double mode, on the harness lateral attachment points, to distribute the weight on the belt (user has weight on his feet): length is adjusted by pressing on the pivoting cam
- May be used in single mode, on the harness ventral attachment point, to distribute weight between the waistbelt and the leg loops (user is suspended): length is adjusted by operating the handle while holding the free end of the lanyard
- Removable protective sheath protects the rope from abrasive contact and favors smooth rope glide. The protection can be removed when the single lanyard technique is used, to bring the user closer to the anchor
- Available in several lengths:
 - GRILLON (L52H 002): 2 m, 625 g
 - GRILLON (L52H 003): 3 m, 735 g
 - GRILLON (L52H 004): 4 m, 815 g
 - GRILLON (L52H 005): 5 m, 895 g
- Certification(s): CE EN 358



GRILLON MGO

Adjustable work positioning lanyard with MGO large opening connector

- Lanyard with fine adjustment system for precise work positioning
- Used in single mode, on the harness ventral attachment point, to distribute weight between the waistbelt and the leg loops (user is suspended): length is adjusted by operating the handle while holding the free end of the lanyard
- Available in one length:
 - GRILLON (L52M 003): 3 m, 995 g
- Certification(s): CE EN 358



All GRILLON lanyards have a handle which allows the lanyard to be used in single mode when connected to the harness ventral attachment point. The handle allows the cam to be unlocked to adjust position while holding the free end of the rope.

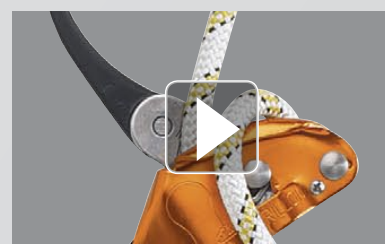


GRILLON lanyard length is identified by a color-coded label at the connector end.

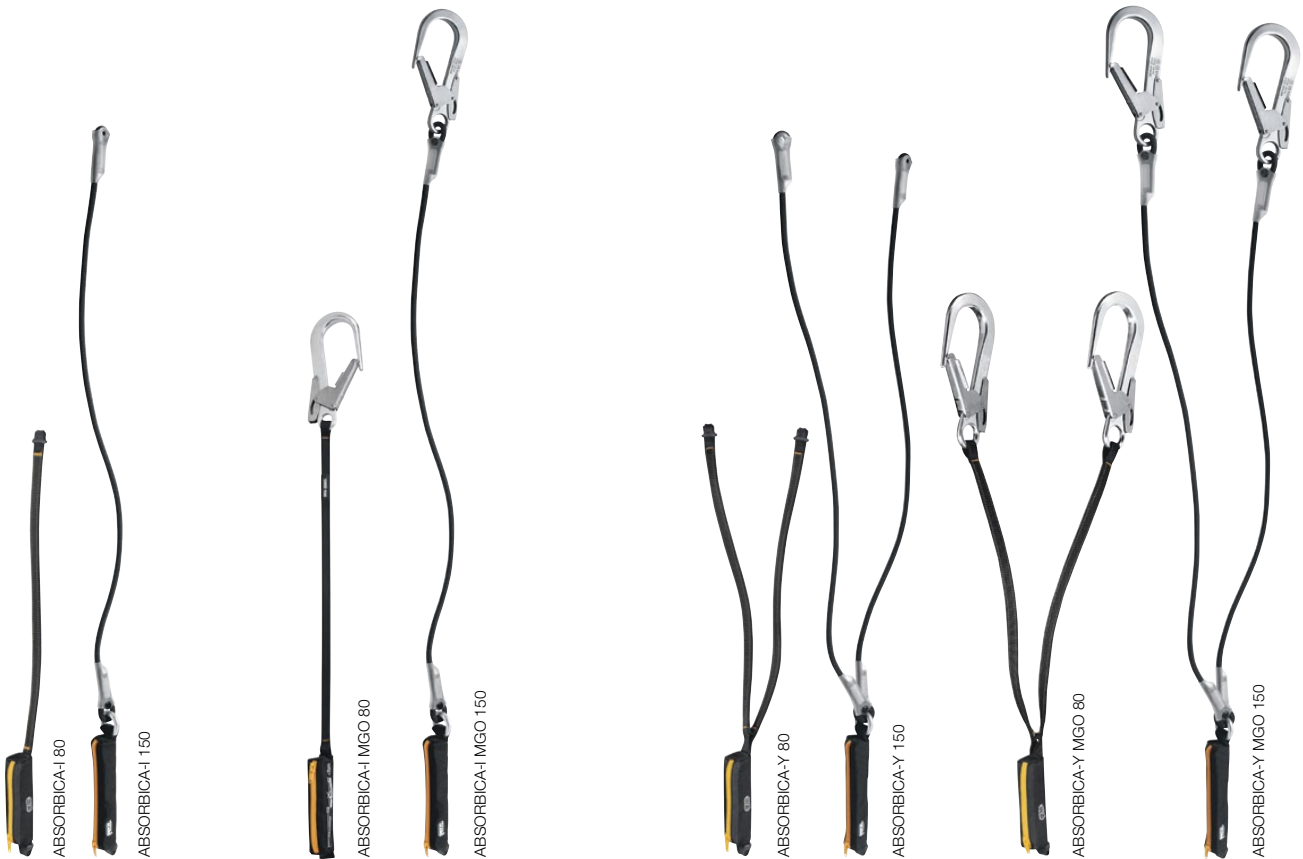


GRILLON lanyard ropes are also available individually:

- rope for GRILLON lanyards (L52R 002, 003, 004, 005)
- rope for GRILLON HOOK lanyards (L52RH 002, 003, 004, 005)
- rope for GRILLON MGO lanyard (L52RM 003)



Find all the possibilities of GRILLON positioning lanyards at www.petzl.com/GRILLON.



ABSORBICA-I

Energy absorber with integrated single lanyard

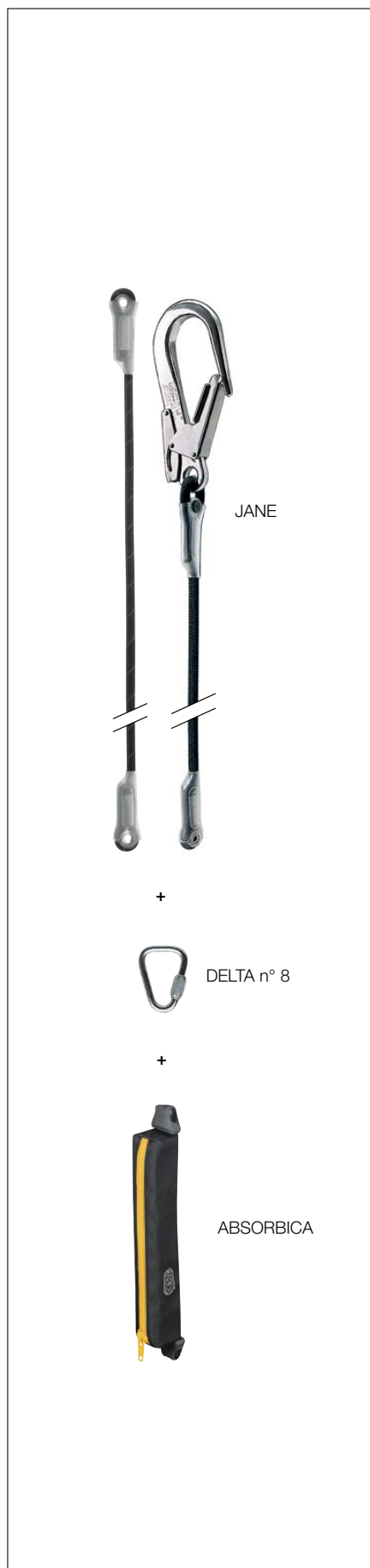
- Designed for protection on a horizontal lifeline (rope or cable)
- The energy of the fall is absorbed by the tearing of specific webbing
- Mesh pouch with zipper protects the energy absorber from abrasion or splashes and allows regular verification of the absorber's condition
- Energy absorber end equipped with STRING
- Available without connector or with MGO large-opening connector, so in two lengths:
 - ABSORBICA-I 80 (**L58**): 0.8 m not including connector (1.5 m after tearing), 160 g, maximum clearance (factor 2 fall): 4.35 m
 - ABSORBICA-I 80 MGO (**L58 MGO**): 1.05 m (1.75 m after tearing), 655 g, maximum clearance (factor 2 fall): 4.35 m
 - ABSORBICA-I 150 (**L70150 I**): 1.5 m not including connector (3.35 m after tearing), 365 g, maximum clearance (factor 2 fall): 6.1 m
 - ABSORBICA-I 150 MGO (**L70150 IM**): 1.75 m (3.6 m after tearing), 825 g, maximum clearance (factor 2 fall): 6.1 m
- Certification(s):
 - ABSORBICA-I 80 and 150: CE EN 355
 - ABSORBICA-I 80 MGO and 150 MGO: CE EN 355, CE EN 362

ABSORBICA-Y

Energy absorber with integrated double lanyard

- Designed for passing intermediate anchor points on fixed protection
- The energy of the fall is absorbed by the tearing of specific webbing
- Mesh pouch with zipper protects the energy absorber from abrasion or splashes and allows regular verification of the absorber's condition
- Energy absorber end equipped with STRING
- Available without connector or with MGO large-opening connector, so in two lengths:
 - ABSORBICA-Y 80 (**L59**): 0.8 m not including connector (1.5 m after tearing), 210 g, maximum clearance (factor 2 fall): 4.35 m
 - ABSORBICA-Y 80 MGO (**L59 MGO**): 1.05 m (1.75 m after tearing), 1120 g, maximum clearance (factor 2 fall): 4.35 m
 - ABSORBICA-Y 150 (**L70150 Y**): 1.5 m not including connector (3.35 m after tearing), 500 g, maximum clearance (factor 2 fall): 6.1 m
 - ABSORBICA-Y 150 MGO (**L70150 YM**): 1.75 m (3.6 m after tearing), 1420 g, maximum clearance (factor 2 fall): 6.1 m
- Certification(s):
 - ABSORBICA-Y 80 and 150: CE EN 355
 - ABSORBICA-Y 80 MGO and 150 MGO: CE EN 355, CE EN 362

Component lanyards with energy absorber



DELTA n° 8_{P11 8}

Triangular steel quick link

- To connect JANE lanyards to an ABSORBICA energy absorber

See CONNECTORS pages

ABSORBICA_{L57}

Tear webbing energy absorber

- Used in combination with a JANE lanyard to set up an energy-absorbing lanyard with a maximum length of two meters
- Ends equipped with STRING to hold the connector in position and protect the webbing from abrasion
- Compact and lightweight
- Length: 0.2 m
- Length after complete tearing: 1.6 m
- Maximum clearance (fall factor 2): 3.9 m + length of energy absorber, lanyard and connectors
- Weight: 154 g
- Certification(s): CE EN 355

JANE

Non-adjustable dynamic rope lanyard

- Can be combined with an ABSORBICA energy absorber to set up an energy-absorbing I or Y lanyard with a maximum length of two meters
- Sewn ends protected by plastic sheath to hold the connector in place and protect the terminations from abrasion
- Available without connector or with large-opening MGO connector for attachment to metal structures, cables and large diameter bars (large-opening, auto-locking connector permanently sewn into the lanyard termination)
- Available without connector:
 - JANE 0.6 m (**L50 60**): 110 g
 - JANE 1 m (**L50 100**): 130 g
 - JANE 1.5 m (**L50 150**): 185 g
 - JANE 2 m (**L50 200**): 225 g
- Available with MGO connector:
 - JANE MGO 0.6 m (**L53 60**): 565 g
 - JANE MGO 1 m (**L53 100**): 585 g
 - JANE MGO 1.5 m (**L53 150**): 640 g
- Certification(s): CE EN 354

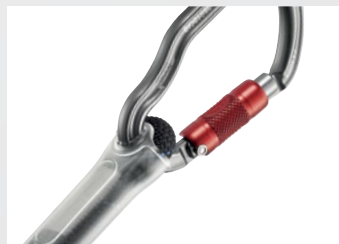
Progression lanyard for difficult access

PROGRESS L44

Progression lanyard



Fall indicator: the green stitching disappears when the lanyard is subjected to a major fall (improper use)



The plastic sheath holds the connector in place. It protects the ends of the lanyard from repetitive abrasion

- Dynamic rope lanyard limits energy transmitted to the user during a limited fall (do not go above the anchor point)
- Fall indicator: the green stitching disappears when the lanyard is subjected to a major fall (improper use): the lanyard requires early retirement
- Y shape allows connection when progressing along a fixed line
- Long arm used with an ASCENSION handled rope clamp for progression on a rope
- Short arm for clipping in when passing intermediate anchors
- Ends equipped with a plastic sheath that holds the connector in place and protects the webbing from abrasion
- Lengths:
 - short arm: 30 cm
 - long arm: 65 cm
- Weight: 150 g
- Certification(s): CE EN 354

NEW
2014



VERTIGO TWIST-LOCK M40A RLA

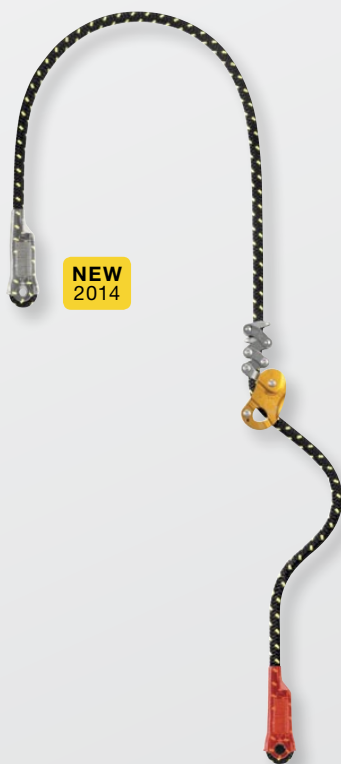
Carabiner for progression lanyard

- Designed for use at the end of a PROGRESS lanyard
- Facilitates manipulations when passing intermediate anchors
 - ergonomic shape for excellent grip
 - TWIST-LOCK automatic locking system is easy to use. It is unlocked by a simple rotation
 - wide opening for easy connection of the carabiner
 - Keylock system to avoid any involuntary snagging of the carabiner
- Simplified inspection:
 - H profile protects markings from abrasion
 - identification with Datamatrix code for quick inspection of product
- Weight: 100 g
- Breaking strength:
 - major axis: 25 kN
 - minor axis: 10 kN
 - open gate: 8 kN
- Gate opening: 25 mm
- Certification(s): CE EN 362

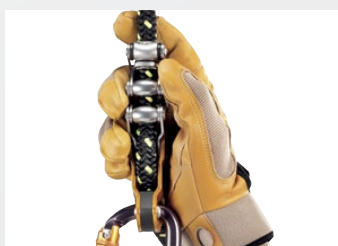
Positioning lanyard for tree care

ZILLON®

Adjustable work positioning lanyard for tree care



**NEW
2014**



Easily adjusted with one hand thanks to the progressive locking/unlocking action of the device



Pulley mounted on sealed ball bearings allows slack to be taken up easily

- It is used doubled, on the harness side attachment points, to distribute the load on the waistbelt
- Easily adjusted with one hand thanks to the progressive locking/unlocking action of the device
- Pulley mounted on sealed ball bearings to allow slack to be taken up easily
- Steel friction elements for increased longevity
- Available in three lengths:
 - ZILLON 25 (**L22 025**): 2.5 m (605 g)
 - ZILLON 40 (**L22 040**): 4 m (790 g)
 - ZILLON 55 (**L22 055**): 5.5 m (975 g)
- Replacement ropes available in different sizes:
 - 2.5 m (**L22R 025**)
 - 4 m (**L22R 040**)
 - 5.5 m (**L22R 055**)
- Certification(s): CE EN 358

Lanyard with energy absorber for ASAP and ASAP LOCK mobile fall arresters

**NEW
2014**



ASAP'SORBER



STRING

ASAP'SORBER^{L71}

Lanyard with energy absorber for ASAP or ASAP LOCK

Find a complete description of the ASAP'SORBER lanyard on page 81.

STRING

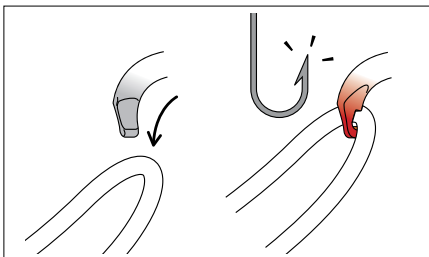
Webbing protection

- Holds the connector in place and protects the webbing from abrasion
- Available in two sizes:
 - STRING L (**M90000 L**): for webbing from 15 to 20 mm in width (ABSORBICA-I and ABSORBICA-Y)
 - STRING XL (**M90000 XL**): for webbing from 25 to 30 mm in width (ASAP'SORBER, ABSORBICA)



Hydrokarst, Voreppe, Isère France © Lafouche

To meet the many different needs encountered in the field, there exists a wide selection of connectors. Each product is designed for a specific use based on its materials, shape, size, gate-opening capacity and locking system.



Keylock system

To ensure optimal efficiency, all Petzl carabiners use the Keylock system: the body/gate interface does not have a hook that could snag on anchors, ropes, harness equipment loops, etc..



Visual unlocked indicator

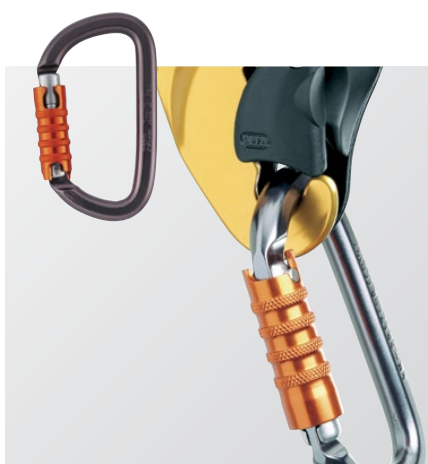
To facilitate equipment checks, SCREW-LOCK manual locking carabiners have a red band that is visible only when the carabiner is not locked.

Shapes



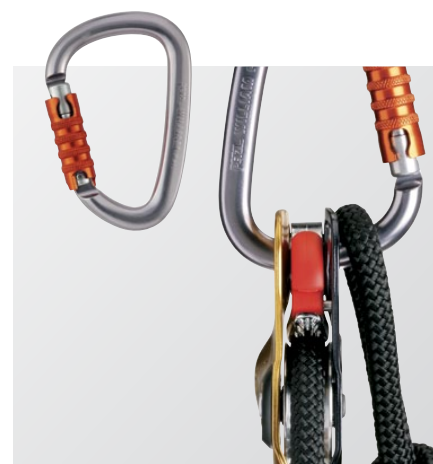
Oval shape

Versatile symmetrical shape specially adapted for devices with widely-spaced side plates (FIXE pulley, ASCENSION rope clamps, etc.).



D-shape

Asymmetrical shape allows easy connection and good positioning of the device along the major axis.

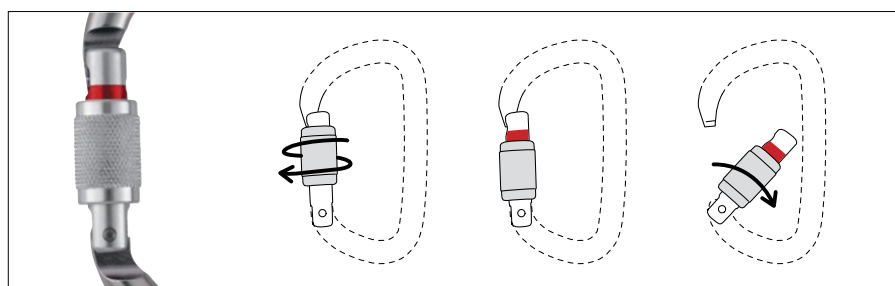


Pear shape

Asymmetrical shape has a wide opening and great capacity.

Locking systems

For occasional manipulation: manual locking

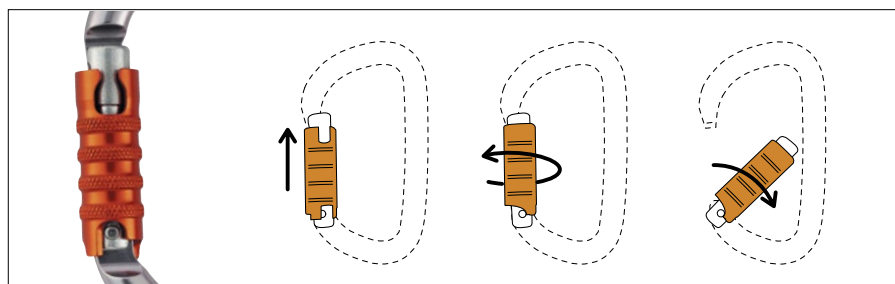


SCREW-LOCK

Manual screw gate locking system

- The red band provides a visual warning when the carabiner is unlocked
- Recommended for harsh environments (mud, ice), where dust and dirt could cause an automatic locking mechanism to malfunction
- Recommended when a carabiner needs to be opened and closed occasionally

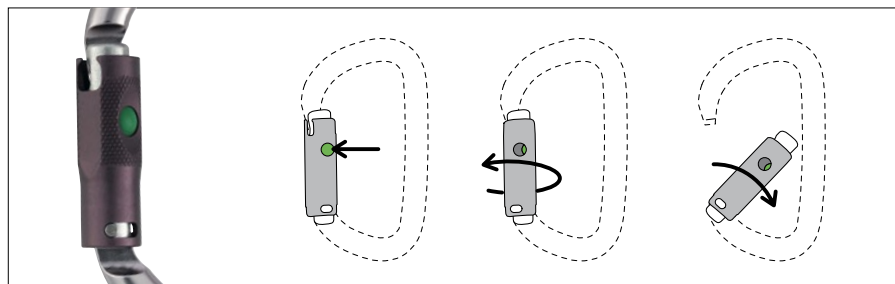
For frequent manipulation: automatic locking



TRIACT-LOCK

Auto-locking system

- Unlocks quickly in two steps, by raising and then turning the sleeve
- Recommended when a carabiner needs to be frequently opened and closed



BALL-LOCK

Auto-locking system with lock indicator

- Green dot indicates when sleeve is locked
- Quick to unlock in two steps, by pressing on the green dot and turning the sleeve
- Can be opened and closed with one hand
- Recommended when a carabiner needs to be frequently opened and closed

Aluminum carabiners

Lightweight carabiners with an optimal weight-to-strength ratio, designed for the worker at height.



WILLIAM



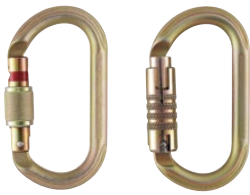
Am'D



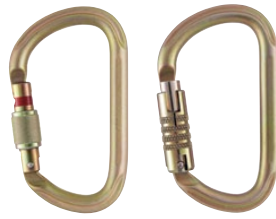
OK

Steel carabiners

Carabiners suitable for difficult environments, primarily used for setting up anchors and for connecting to metal structures.



OXAN



VULCAN

Large connectors

Connectors with a wide gate opening designed for connecting to thick structures.



MGO 110



MGO 60

Special aluminum carabiners

Lightweight carabiners designed for specific uses: harness fastening, use at the end of a lanyard, additional braking on a descender, etc..



OMNI

NEW
2014



VERTIGO TWIST-LOCK



FREINO



SPIRIT

Quick links

Screw links for semi-permanent connection of equipment.



DELTA



GO



DEMI ROND



WILLIAM SCREW-LOCK



Am'D SCREW-LOCK



OK SCREW-LOCK



WILLIAM TRIACT-LOCK



Am'D TRIACT-LOCK



OK TRIACT-LOCK



WILLIAM BALL-LOCK



Am'D BALL-LOCK

WILLIAM

Large capacity aluminum carabiner

- Large size and opening to allow easy anchoring of several ropes and slings
- Wide pear shape facilitates belaying with a Munter hitch
- Keylock system helps prevent snagging of the carabiner during maneuvers
- Red indicator provides a visual warning when the carabiner is unlocked (on SCREW-LOCK version)
- Available in three different locking systems:
 - WILLIAM (M36 SL): SCREW-LOCK
 - WILLIAM (M36 TL): TRIACT-LOCK
 - WILLIAM (M36 BL): BALL-LOCK
- Also available in black:
 - WILLIAM (M36 SLN): SCREW-LOCK black
 - WILLIAM (M36 TLN): TRIACT-LOCK black

Am'D

Asymmetrical aluminum carabiner

- Specially adapted for attaching equipment
- Excellent strength-to-weight ratio
- Keylock system helps prevent snagging of the carabiner during maneuvers
- Red indicator provides a visual warning when the carabiner is unlocked (on SCREW-LOCK version)
- Available in three different locking systems:
 - Am'D (M34 SL): SCREW-LOCK
 - Am'D (M34 TL): TRIACT-LOCK
 - Am'D (M34 BL): BALL-LOCK
- Also available in black:
 - Am'D (M34 TLN): TRIACT-LOCK black

OK

Oval aluminum carabiner

- Versatile oval symmetric shape for optimal positioning of equipment (pulleys, ascenders, mobile fall arresters, etc.)
- Ideal for hauling
- Keylock system helps prevent snagging of the carabiner during maneuvers
- Red indicator provides a visual warning when the carabiner is unlocked (on SCREW-LOCK version)
- Two locking systems available:
 - OK (M33 SL): SCREW-LOCK
 - OK (M33 TL): TRIACT-LOCK
- Also available in black:
 - OK (M33 SLN): SCREW-LOCK black
 - OK (M33 TLN): TRIACT-LOCK black

HARNESSES

HELMETS

LANYARDS AND ENERGY ABSORBERS

MOBILE FALL ARRESTERS

CONNECTORS

DESCENDERS

ASCENDERS

PULLEYS

ANCHORS AND ROPES

PACKS AND ACCESSORIES



OXAN SCREW-LOCK



VULCAN SCREW-LOCK



OXAN TRIACT-LOCK



VULCAN TRIACT-LOCK



MGO 110



MGO 60

OXAN

Oval steel carabiner

- Steel adapted to difficult use conditions
- Keylock system helps prevent snagging of the carabiner during maneuvers
- Red indicator provides a visual warning when the carabiner is unlocked (on SCREW-LOCK version)
- Two locking systems available:
 - OXAN (**M72 SL**): SCREW-LOCK
 - OXAN (**M72 TL**): TRIACT-LOCK
- Also available in black and in specific versions that meet European and North American work standards (see summary table):
 - OXAN (**M72 SLN**): SCREW-LOCK black
 - OXAN (**M72 TLA**): TRIACT-LOCK (European and North American work standards)
 - OXAN (**M72 TLN**): TRIACT-LOCK black (European and North American work standards)

VULCAN

High-strength steel carabiner

- Steel adapted to difficult use conditions
- For use with heavy loads
- Large size allows easier connection of multiple elements
- Wide opening for connection to thick anchors
- Keylock system helps prevent snagging of the carabiner during maneuvers
- Red indicator provides a visual warning when the carabiner is unlocked (on SCREW-LOCK version)
- Two locking systems available:
 - VULCAN (**M73 SL**): SCREW-LOCK
 - VULCAN (**M73 TL**): TRIACT-LOCK
- Also available in black and in specific versions that meet European and North American work standards (see summary table):
 - VULCAN (**M73 SLN**): SCREW-LOCK black
 - VULCAN (**M73 TLA**): TRIACT-LOCK (European and North American work standards)
 - VULCAN (**M73 TLN**): TRIACT-LOCK black (European and North American work standards)

MGO

Very large automatic locking directional connector

- Designed for connection to metallic structures or to large-diameter cables and bars
- Ergonomic unlocking handle
- Available in two versions:
 - MGO (**MGO 110**): 110 mm gate opening
 - MGO (**MGO 60**): 60 mm gate opening

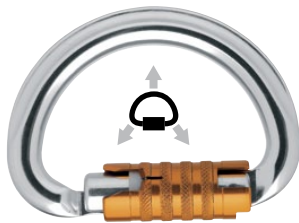


OMNI SCREW-LOCK

NEW
2014



VERTIGO TWIST-LOCK



OMNI TRIACT-LOCK



FREINO



SPIRIT



DELTA (P11-8)



DELTA (P11-8B)



DELTA (P11)



GO



DEMI ROND

OMNI

Multi-directional semi-circle carabiner

- Multi-directional carabiner for:
 - fastening the NEWTON and FALCON ASCENT harnesses by joining the two attachment points
 - connecting a fall arrest system (NEWTON) or a CROLL ventral rope clamp (FALCON ASCENT)
- Strength: 15 kN (in all directions)
- Keylock system helps prevent snagging of the carabiner during maneuvers
- Red indicator provides a visual warning when the carabiner is unlocked (on SCREW-LOCK version)
- Two locking systems available:
 - OMNI (M37 SL): SCREW-LOCK
 - OMNI (M37 TL): TRIACT-LOCK
- Also available in black:
 - OMNI (M37 SLN): SCREW-LOCK black
 - OMNI (M37 TLN): TRIACT-LOCK black

VERTIGO

TWIST-LOCK M40A RLA

Carabiner for progression lanyard

Complete description of the VERTIGO TWIST-LOCK carabiner on page 76.

FREINO M42

Carabiner with friction spur for descenders

- The spur helps increase the friction for improved control of the descent of a heavy load (e.g. two-person rescues)
- Rope is easily inserted into the spur, without opening the carabiner
- TWIST-LOCK automatic locking sleeve, unlocked by a simple rotation
- Keylock system helps prevent snagging of the carabiner during maneuvers
- Used, for example, with the I'D and RIG self-braking descenders

SPIRIT M53 S

Non-locking progression carabiner

- Should be used only for progression using climbing techniques
- Non-locking, clips easily
- Keylock system helps prevent snagging of the carabiner during maneuvers

DELTA

Triangular steel quick link

- When closed with a wrench, it becomes a semi-permanent anchor ring
- Available in three versions:
 - DELTA (P11): 10 mm diameter rod stock
 - DELTA (P11 8): 8 mm diameter rod stock
 - DELTA (P11 8B): 8 mm diameter rod stock (with bar for positioning the CROLL on a harness)
- Also available in black version: DELTA (P11 8BN)

GO P15

Oval steel quick link

- When closed with a wrench, it becomes a semi-permanent anchor ring

DEMI ROND P18

Semi-circle aluminum alloy quick link

- Used to close any harness having two attachment points that must be joined with a connector
- When closed with a wrench, it becomes a semi-permanent anchor ring

HARNESSES

HELMETS

LANYARDS AND ENERGY ABSORBERS

MOBILE FALL ARRESTERS

CONNECTORS





DESCENDERS

ASCENDERS

PULLEYS

ANCHORS AND ROPES

PACKS AND ACCESSORIES

	Locking system	Reference					Certification(s)	Weight
Aluminum carabiners								
WILLIAM	SCREW-LOCK	M36 SL / SLN	25 mm	25 kN	7 kN	7 kN	CE EN 362	90 g
	TRIACT-LOCK	M36 TL / TLN	24 mm					
	BALL-LOCK	M36 BL	24 mm					
Am'D	SCREW-LOCK	M34 SL	21 mm	28 kN	7 kN	8 kN	CE EN 362	75 g
	TRIACT-LOCK	M34 TL	21 mm					
	BALL-LOCK	M34 BL	22 mm					
OK	SCREW-LOCK	M33 SL / SLN	19 mm	24 kN	10 kN	7 kN	CE EN 362	75 g
	TRIACT-LOCK	M33 TL / TLN	19 mm		8 kN			
Steel carabiners								
OXAN	SCREW-LOCK	M72 SL / SLN	20 mm	27 kN	16 kN	7 kN	CE EN 362 NFPA 1983 Technical Use	195 g
	TRIACT-LOCK (European standards)	M72 TL	19 mm					215 g
	TRIACT-LOCK (North American and European standards)	M72 TLA / TLN	18 mm				CE EN 362 ANSI Z359.1 NFPA 1983, Technical Use CSA Z259.12	235 g
VULCAN	SCREW-LOCK	M73 SL / SLN	29 mm	40 kN	16 kN	11 kN	CE EN 362 NFPA 1983, General Use	265 g
	TRIACT-LOCK (European standards)	M73 TL	28 mm					285 g
	TRIACT-LOCK (North American and European standards)	M73 TLA / TLN	27 mm				CE EN 362 ANSI Z359.1 NFPA 1983, General Use CSA Z259.12	305 g
Large connectors								
MGO	Automatic	MGO60	60 mm	25 kN	-	-	CE EN 362	455 g
		MGO110	110 mm	23 kN	15 kN	7 kN	CE EN 362	940 g
Special aluminum carabiners								
OMNI	SCREW-LOCK	M37 SL / SLN	22 mm	20 kN	15 kN	7 kN	CE EN 362	85 g
	TRIACT-LOCK	M37 TL / TLN	22 mm					90 g
FREINO	TWIST-LOCK	M42	15 mm	25 kN	10 kN	9 kN	CE EN 362	85 g
SPIRIT	-	M53 S	21 mm	23 kN	8 kN	9 kN	CE EN 12275 type B	39 g
Quick links								
DELTA	Quick link	P11	12 mm	25 kN	10 kN	-	CE EN 362 type Q	150 g
		P11-8 / P11-8B	10 mm	25 kN	10 kN	-	CE EN 362 type Q	85 / 95 g
GO	Quick link	P15	16 mm	25 kN	10 kN	-	CE EN 362 type Q	60 g
DEMI ROND	Quick link	P18	10 mm	25 kN	10 kN	-	CE EN 362 type Q	55 g

Carabiners are the key element in the belay chain that is part of all vertical activities. This is why it is essential to understand their different uses and limitations. A carabiner is very strong when it is loaded along its major axis.



A carabiner may become weaker under certain conditions:

- if it is not loaded along its major axis (figures 1 and 2)
- if the gate is open (figure 3)
- if it is subjected to external pressure (figure 4)

1	2	3	4
Solutions: Put a STRING on the lanyard	Use a three-directional carabiner	Lengthen or shorten the sling	Lengthen or shorten the sling

Always keep an eye on your carabiners

Which connector should be used with the NEWTON?

<p>The connector to use with the NEWTON harness depends on the attachment point used for connecting the fall arrest system.</p> <p>NEWTON</p>	<p>Use of sternal attachment point The connector acts as a connection point and is loaded along three axes. Use the OMNI type EN 362 locking three-directional connector.</p>	<p>Use of dorsal attachment point The connector acts only to fasten the harness and is loaded along the major axis. You can use an OK type EN 362 locking connector. Warning: Only the dorsal attachment points may be used to connect the fall arrest system.</p>
-----------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



PROFIL, Ecole St Georges, Marseille, France © Lafouche

Durable coated fabric packs



TRANSPORT 45L



PORTAGE 30L



PERSONNEL 15L



BOLTBAG



PORTO

HARNESSES

HELMETS

LANYARDS AND
ENERGY ABSORBERS

Upright fabric packs



BUCKET 35L



BUCKET 25L

Tree care accessories



JET



AIRLINE



ECLIPSE

MOBILE FALL
ARRESTERS

CONNECTORS

Accessories



CORDEX



CORDEX PLUS



DESCENDERS

ASCENDERS

PULLEYS

ANCHORS AND
ROPES



SPATHA

NEW
2014



CRAB 6



SPIKY PLUS

TRANSPORT 45L S42Y 045

Durable large-capacity bag



- Waistbelt, shoulder straps and back panel are padded for comfort
- Upper flap with inside identification card pocket
- Welded construction for greater strength (PVC free)
- Cordlock closure easy to manipulate, designed for difficult environments
- Side and top handles for carrying by hand
- Upper loop for hauling
- Inside loop for suspending pack in open position
- Capacity: 45 l
- Weight: 1250 g



The new cordlock closure is easy to manipulate and functions in difficult environments



PORTAGE 30L S43Y 030

Durable medium-capacity bag

- Padded shoulder straps for comfortable carriage
- Upper flap with inside identification card pocket
- Welded construction for greater strength (PVC free)
- Cordlock closure easy to manipulate, designed for difficult environments
- Side and top handles for carrying by hand
- Upper loop for hauling
- Inside loop for suspending pack in open position
- Capacity: 30 l
- Weight: 850 g



PERSONNEL 15L



PORTO



BOLT BAG

PERSONNEL 15L S44Y 015

Durable small-capacity bag

- Simple, lightweight design
- Inside flap with identification card pocket
- Welded construction for greater strength (PVC free)
- Cordlock closure easy to manipulate, designed for difficult environments
- Side and top handles for carrying by hand
- Upper loop for hauling
- Capacity: 15 l
- Weight: 450 g

PORTO C33

Webbing equipment loop

- Attaches easily to the pack's internal loop for organizing gear
- Weight: 18 g

BOLT BAG C11 A

Gear pouch

- To organize a hammer, bolting gear and other equipment
- Large pocket closes with a flap and quick buckle
- Small internal pocket, external holster for a hammer and compartment for bits
- Can be worn on a belt
- Weight: 170 g



BUCKET 35L



BUCKET 25L

BUCKET

Fabric pack, remains upright

- Bag remains upright and has an exterior folding lid system that allows easy access to the contents of the bag
- External zippered pocket for personal effects
- Transparent external window for displaying an equipment identification card
- Two large, comfortable carrying handles
- Adjustable strap for carrying bandolier style
- Interior ring can be used as attachment point for rope
- Bottom is lined for longer wear
- Waterproof fabric
- Available in two versions:
 - 25-liter BUCKET (S41Y 025): 525 g
 - 35-liter BUCKET (S41Y 035): 630 g

HARNESSES

HELMETS

LANYARDS AND
ENERGY ABSORBERS

MOBILE FALL
ARRESTERS

CONNECTORS

DESCENDERS

ASCENDERS

PULLEYS

ANCHORS AND
ROPES

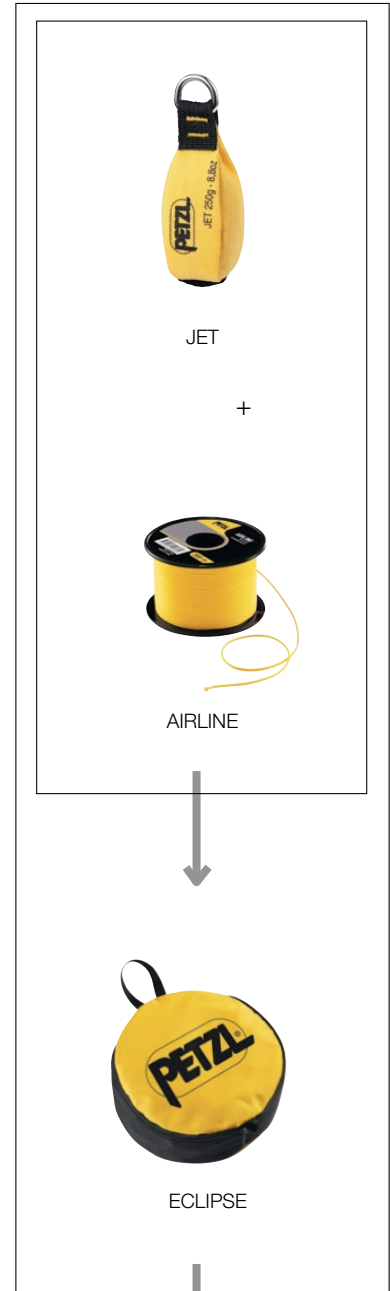
PACKS AND
ACCESSORIES



JET



AIRLINE



JET

Throw-bag

- Durable, two-layer construction prolongs throw-bag life
- Streamlined shape facilitates passage through tree branches
- Different colored stitching on webbing differentiates the bag weights of the bags
- Secondary connection point for quick attachment of the rope
- Yellow for excellent visibility
- Available in three versions:
 - JET 250 g (**S02Y 250**)
 - JET 300 g (**S02Y 300**)
 - JET 350 g (**S02Y 350**)

AIRLINE

Throwline

- Combines flexibility for a precise throw and stiffness for avoiding knot formation as it comes out of the bag
- Excellent sheath-core bond maintains a round cross section, ensuring good rope glide through the tree. The sheath is made of Dyneema for excellent abrasion resistance
- Lightweight, does not require a very heavy throw-bag
- Yellow for excellent visibility
- Weight: 2.1 g/m
- Available in two versions:
 - AIRLINE 60 m (**R02Y 060**)
 - AIRLINE 300 m (**R02Y 300**)

ECLIPSE S03Y

Storage for throw-cord

- Wide opening facilitates packing of AIRLINE cord and JET throw-bag
- Double bottom allows two throw-lines to be stored separately
- Two attachment points to separate the rope ends
- Four mesh pockets to hold the throw-bags
- Can be folded into a small bag (fits perfectly into the BUCKET pack)
- Weight: 500 g



ECLIPSE



BUCKET