



# Access the inaccessible®

Petzl's mission is to create innovative tools and services that enable people to progress, position, and protect themselves in vertical and dark environments. We are always searching for the best solutions to meet the needs of performance, ergonomics, comfort, and reliability. Ultimately, it's our customers' demands, commitment, and openness that have guided our approach to supporting them in their pursuit of the inaccessible for these last forty years.

***Paul Petzl***



Petzl Headquarters in Crolles, France



Petzl America facility in Salt Lake City, Utah

## Arborist Products

Petzl offers a broad range of equipment for tree care professionals. Whether you're working in the canopy or in a bucket truck, our gear is ready to take on any situation. From concept to production, Petzl's gear is designed to hold up in demanding situations with versatility and durability. We are proud to offer products in the following categories:



Harnesses



Helmets



Lanyards



Descenders



Rope  
Clamps



Ropes



Carabiners



Rigging  
Equipment



Pulleys



Headlamps

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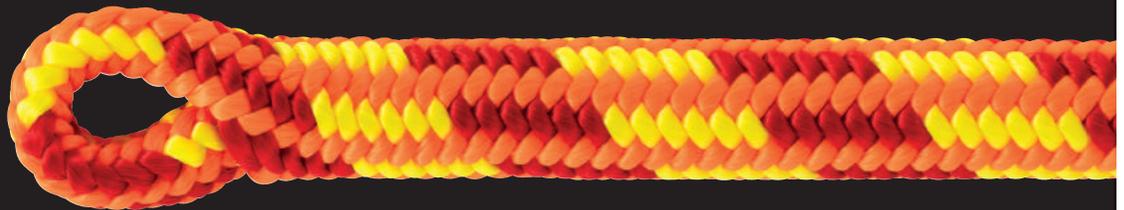
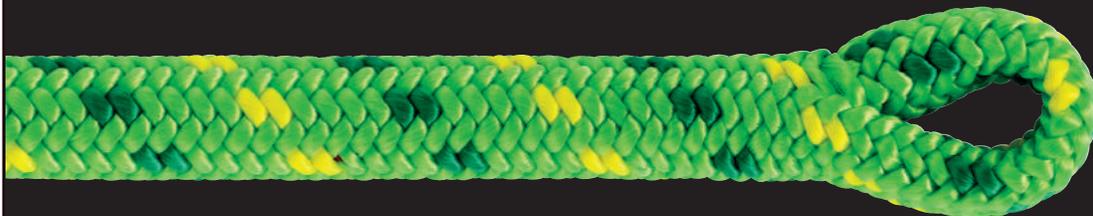


Please refer to the technical notice for details on field(s) of application, product nomenclature, inspection information, compatibility, working principle, installation and function test, precautions for use, clearance, cleaning and maintenance, and additional information. Technical notices are available, per product, on [petzl.com](http://petzl.com).



# FLOW & CONTROL

**NEW**  
2020



Flexible, lightweight, and low-stretch kernmantel ropes designed specifically for tree care

# NEW 2020 | FLOW & CONTROL Ropes

The FLOW and CONTROL ropes are designed specifically for tree care. Both models come with a patented splice at one end for rope glide through devices like a friction saver or pulley and through tree branches. The small size of the splice allows it to pass through the friction chain of the ZIGZAG and ZIGZAG PLUS mechanical Prusiks. The EverFlex technology guarantees great flexibility and handling over time. The FLOW and CONTROL are available in three lengths and two colors.

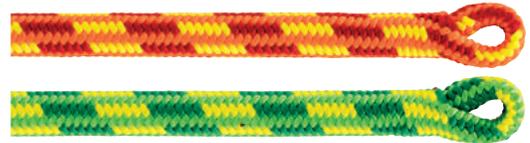
## FLOW

11.6 mm



## CONTROL

12.5 mm



**Certifications** CE EN 1891 type A, ANSI Z133  
**Lengths** 115 ft (35 m), 148 ft (45 m), 197 ft (60 m)

**Certifications** CE EN 1891 type A, ANSI Z133  
**Lengths** 115 ft (35 m), 148 ft (45 m), 197 ft (60 m)



The rope's construction provides excellent performance when used with the ZIGZAG and ZIGZAG PLUS mechanical Prusiks.



EverFlex technology ensures great flexibility over time, allowing ropes to maintain excellent handling and optimal performance with devices.



The compact design of the splice allows it to pass through the friction chain of the ZIGZAG and ZIGZAG PLUS mechanical Prusiks.

# ZIGZAG, ZIGZAG PLUS, & CHICANE

ZIGZAG



ZIGZAG PLUS



CHICANE



## Mechanical Prusiks for tree care

The ZIGZAG and ZIGZAG PLUS mechanical Prusiks allow the user to move efficiently in a tree using a classic Prusik pulley system technique. The friction chain provides precision and fluidity when moving around. The pulley is mounted on sealed ball bearings to allow the slack to be taken up easily. It can be used in both a moving rope system or a stationary rope system with the CHICANE, providing great versatility.

### ZIGZAG

The ZIGZAG's lower attachment hole is fixed to ensure alignment of the device with the axis of the worker and to optimize grip.

### ZIGZAG PLUS

The ZIGZAG PLUS has a lower attachment hole with high-efficiency swivel which ensures stable and correct positioning of the mechanical Prusik and optimal rope glide through the device.

### CHICANE

The CHICANE auxiliary braking device allows the ZIGZAG and ZIGZAG PLUS to be used in a stationary rope system and provides additional friction on descents. A Petzl Am'D or OK carabiner must be used for compatibility. It is compatible with older model ZIGZAG.

<b>Working load limit</b>	140 kg
<b>Rope Compatibility</b>	EN 1891 type A low stretch kernmantel ropes 11.5 - 13 mm

*ZIGZAG and ZIGZAG PLUS allow the user to work in compliance with the ANSI Z133 standard*



Rope feed is smooth and precise thanks to the release lever, allowing the user great control over his/her movements. Adjusting the pressure on the lever controls the speed of movement.



Upper attachment hole has a flexible positioning ring that helps keep the connector oriented along its major axis.



Can be used on either a moving ropes or stationary rope system, thanks to the CHICANE accessory, which offers more friction on the descent.

*Images above show the ZIGZIG PLUS but are accurate for both the ZIGZAG and ZIGZAG PLUS*

# SEQUOIA & SEQUOIA SRT

SEQUOIA



SEQUOIA SRT



## Tree care seat harnesses

The SEQUOIA is a tree care harness for a moving rope system and the SEQUOIA SRT is a tree care harness for a stationary rope system. Both harnesses feature an extra-wide, semi-rigid waistbelt and leg loops to provide all day comfort. The waistbelts are equipped with FAST automatic buckles for quick and simple opening and closing, without loss of adjustment, even while wearing gloves. The leg loops have FAST LT PLUS automatic buckles. The gated lower D rings allow the user to easily connect a lanyard, install a second attachment bridge, or attach accessories directly on the bridge. With multiple equipment loops and retainers for attaching CARITool tool holders, organizing equipment is made simple.

### Certifications

CE EN 358, CE EN 813, EAC

### Sizes (waist measurements)

0 (25.5 - 31.5 in), 1 (27.5 - 36.5 in), 2 (32.5 - 47 in)

### Accessories

Adjustable attachment bridge, attachment bridges, TOP CROLL S



The semi-rigid, extra-wide waistbelt design ensures excellent support for the user. It is also scultped and lined with foam padding for improved comfort when suspended.



The two gated attachment points allow the user to easily connect a ZILLON or MICROFLIP lanyard, or to install several attachment bridges (fixed or adjustable) and accessories directly on the bridge (RING, SWIVEL).



Leg loops are equipped with FAST LT PLUS buckles for quick and easy opening and fastening without the need to readjust them, even when wearing gloves. The locking system of the buckle limits the risk of it accidental opening.

*Images above show the SEQUOIA but are accurate for both the SEQUOIA and SEQUOIA SRT*

# Arborist Products

## Arborist Harnesses & Accessories

			
<p><b>SEQUOIA</b> Tree care seat harness for moving rope ascent techniques Sizes: 0, 1, 2</p>	<p><b>SEQUOIA SRT</b> Tree care seat harness for stationary rope ascent techniques Sizes: 0, 1, 2</p>	<p><b>Shoulder Straps</b> Increased support for SEQUOIA SRT harness</p>	<p><b>Seat for SEQUOIA Line</b> Wide seat for a comfortable working position during suspension</p>
			
<p><b>Attachment bridge</b> Attachment bridge for SEQUOIA and SEQUOIA SRT harnesses Lengths: 40 cm, 45 cm, 50 cm</p>	<p><b>Attachment bridge</b> Adjustable attachment bridge for SEQUOIA and SEQUOIA SRT harnesses Adjustable up to 180 cm</p>	<p><b>RING</b> Installed on SEQUOIA/SRT's attachment bridge to improve lateral mobility Sizes: small, large</p>	<p><b>RING OPEN</b> Multi-directional gated ring for semi-permanent connection of equipment</p>

## Bucket Truck Harnesses

		
<p><b>NEWTON EASYFIT</b> Fall arrest harness that is easy to put on</p>	<p><b>NEWTON EASYFIT HI-VIZ</b> Fall arrest harness with high-visibility vest that is easy to put on</p>	<p><b>AVAO BOD FAST</b> Comfortable harness for fall arrest, work positioning and suspension</p>

## Helmets

 	 	 	 
<p><b>VERTEX</b> Comfortable helmet protects against electrical hazards and flames ANSI Z89.1 Type I Class E; CSA Z94.1 Type I Class E*</p>	<p><b>VERTEX VENT</b> Comfortable ventilated helmet with sliding shutters ANSI Z89.1 Type I Class C</p>	<p><b>STRATO</b> Lightweight helmet protects against electrical hazards and flames ANSI Z89.1 Type I Class E</p>	<p><b>STRATO VENT</b> Lightweight and ventilated helmet ANSI Z89.1 Type I Class C</p>

\* Visit [petzl.com](http://petzl.com) to view the CSA certified VERTEX with ear protection

## Helmet Accessories



### VIZIR & VIZIR SHADOW

Eye shield with scratch-resistant & anti-fog coatings. VIZIR SHADOW is tinted with solar protection



### VIZEN MESH

Face shield protects against flying wood chips and shavings

## Ropes

NEW  
2020

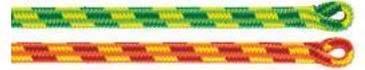


### FLOW 11.6 mm

Flexible and lightweight low stretch kernmantel rope

Lengths: 116 ft, 148 ft, 197 ft

NEW  
2020

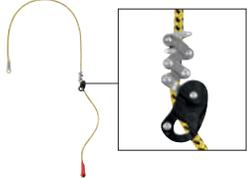


### CONTROL 12.5 mm

Low stretch kernmantel, high-strength rope with excellent handling

Lengths: 116 ft, 148 ft, 197 ft

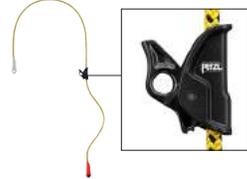
## Lanyards



### ZILLON

Adjustable work positioning lanyard for tree care

Lengths: 2.5 m, 4 m, 5.5 m



### MICROFLIP

Reinforced steel core adjustable work positioning lanyard for tree care

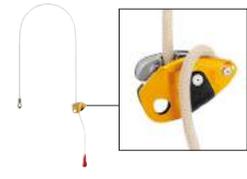
Lengths: 2.5 m, 4 m, 5.5 m



### GRILLON

Adjustable lanyard for work positioning

Lengths: 2 m, 3 m, 4 m, 5 m



### GRILLON PLUS

Adjustable work positioning lanyard with excellent abrasion resistance

Lengths: 2 m, 3 m



### GRILLON HOOK

Adjustable work positioning lanyard with HOOK connector

Lengths: 2 m, 3 m, 4 m, 5 m



NEW  
2020

### ABSORBICA I

Single lanyard with integrated energy absorber and captive carabiners

Lengths: 80 cm, 150 cm



NEW  
2020

### ABSORBICA I VARIO

Adjustable single lanyard with integrated energy absorber and captive carabiners

Adjustable length: 100 - 150 cm



NEW  
2020

### PROGRESS ADJUST I

Single adjustable progression lanyard

Lengths: 1 m, 2 m, 3 m, 5 m

## Mechanical Prusiks/ Descenders



### ZIGZAG

Mechanical Prusik for tree care

Rope diameter: 11.5 - 13 mm



### ZIGZAG PLUS

Mechanical Prusik with high-efficiency swivel for tree care

Rope diameter: 11.5 - 13 mm



### CHICANE

Auxiliary brake for ZIGZAG and ZIGZAG PLUS in stationary rope system

Rope diameter: 11.5 - 13 mm



### RIG

Compact self-braking descender

Rope diameter: 10 - 11.5 mm

## Rope Grabs / Ascenders



### ASCENSION

Handled rope grab for rope ascents

Versions: Left-handed, right-handed  
Rope diameter: 8 - 13 mm



### ASCENTREE

Double handled rope grab for tree care

Rope diameter: 8 - 13 mm



### KNEE ASCENT

Knee ascender assembly with foot loop to facilitate ascents on a single rope

Versions: Loop, clip (for arborist boots)



### PANTIN

Foot ascender

Versions: Left-foot, right-foot

## Rope Grabs / Ascenders (continued)



### TIBLOC

Ultra-light and very compact ascender  
Rope diameter: 8 - 11 mm



### RESCUCENDER

Openable cam-loaded rope grab  
Rope diameter: 9 - 13 mm



### MICROGRAB

Replacement cam-loaded rope grab  
for MICROFLIP

## Carabiners



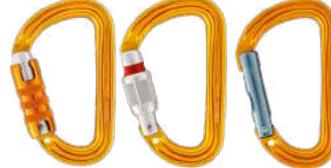
### Bm'D

Lightweight asymmetrical high-strength carabiner  
Major axis strength: 32 kN



### Am'D

Lightweight asymmetrical carabiner  
Major axis strength: 27 kN



### Sm'D

Ultra-light asymmetric carabiner  
Major axis strength: 23 kN



### OK

Lightweight oval carabiner  
Major axis strength: 25 kN



### WILLIAM

Lightweight asymmetrical large-capacity carabiner  
Major axis strength: 27 kN



### OXAN

High-strength steel oval carabiner  
Major axis strength: 38 kN



### VULCAN

High-strength asymmetric steel carabiner with large capacity  
Major axis strength: 48 kN

NEW  
2020



### EASHOOK OPEN

Connector with gated connection point for double lanyard & work positioning lanyard  
Major axis strength: 25 kN

## Pulleys



### JAG SYSTEM

4:1 haul kit for pickoffs, making a releasable anchor, tensioning a system  
Lengths: 1 m, 2 m, 5 m



### MICRO TRAXION

Ultra-compact, high-efficiency progress capture pulley  
Rope diameter: 8 - 11 mm



### PRO TRAXION

Very efficient loss-resistant progress capture pulley  
Rope diameter: 8 - 13 mm



### MOBILE

Versatile ultra-compact pulley  
Rope diameter: 7 - 13 mm



### FIXE

Pulley with fixed side plates  
Rope diameter: 7 - 13 mm



### OSCILLANTE

Swing-sided emergency pulley  
Rope diameter: 7 - 11 mm



### ROLLCLIP A

Pulley-carabiner with a gate opening on the pulley side  
Rope diameter: 7 - 13 mm



### ROLLCLIP Z

Pulley-carabiner with a gate opening on the non-pulley side  
Rope diameter: 7 - 13 mm

## Rigging Equipment

			
<p><b>MICRO SWIVEL</b> Compact gated swivel</p>	<p><b>SWIVEL OPEN</b> Gated swivel with sealed ball bearings</p>	<p><b>SWIVEL</b> Ball bearing swivel Sizes: small, large</p>	<p><b>PAW</b> Rigging plate Sizes: small, medium, large</p>
			
<p><b>TREESBEE</b> False croch for tree care, designed for ropes with spliced terminations Length: 110 cm</p>	<p><b>ANNEAU</b> Open loop sling Lengths: 60 cm, 80 cm, 120 cm, 150 cm</p>	<p><b>ST'ANNEAU</b> Dyneema webbing sling Lengths: 24 cm, 60 cm, 120 cm</p>	

## Headlamps

			
<p><b>NEW 2020</b> <b>SWIFT RL PRO</b> Ultra-compact rechargeable headlamp with REACTIVE lighting. 900 lumens</p>	<p><b>TACTIKKA +</b> Headlamp for proximity and distance vision during movement with red lighting to preserve night vision. 350 lumens.</p>	<p><b>PIXÁ 3</b> Headlamp for proximity lighting, movement and long-range vision. 100 lumens</p>	<p><b>CORE</b> Rechargeable battery compatible with Petzl headlamps featuring the HYBRID CONCEPT design</p>

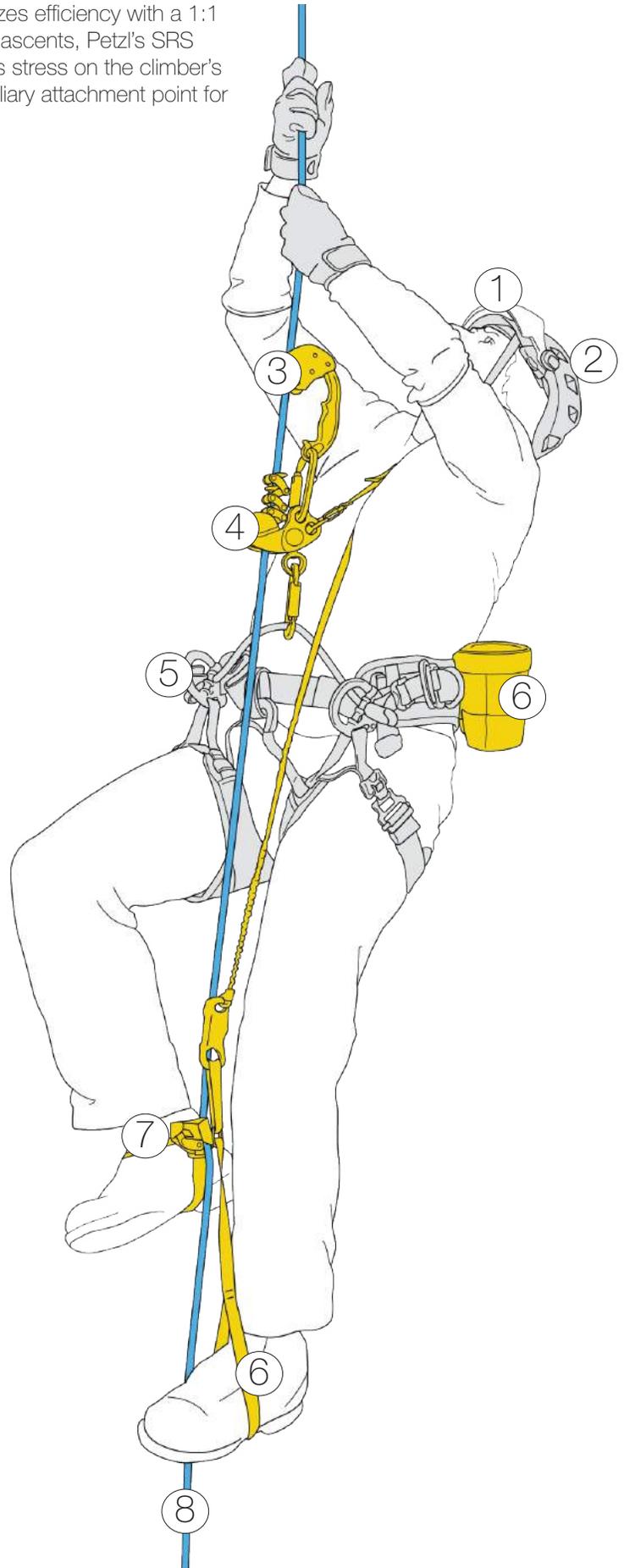
## Packs & Accessories

			
<p><b>BUCKET</b> Rope bag that remains upright Sizes: 25 L, 35 L   Colors: Red, yellow</p>	<p><b>TRANSPORT</b> Durable large-capacity bag Size: 45 L</p>	<p><b>JET</b> Throw bag Weights: 250 g, 300 g, 350 g</p>	<p><b>AIRLINE</b> Throw line Lengths : 60 m, 300 m</p>
			
<p><b>ECLIPSE</b> Storage for throw line and bag</p>	<p><b>CARITOO</b> Harness tool holder Sizes: small, large</p>	<p><b>TOOLBAG</b> Tool pouch Sizes: XS (1.3 L), S (2.5 L), L (5 L)</p>	

# Stationary Rope System (SRS)

Petzl's rope walking system for a stationary rope system maximizes efficiency with a 1:1 ascent to travel rate. Helpful for short ascents and ideal for long ascents, Petzl's SRS assembly lets mechanical devices do the work which decreases stress on the climber's body. The KNEE ASCENT SYSTEM clips into the ZIGZAG's auxiliary attachment point for automatic tending of the climbing system.

1	VIZIR
2	STRATO VENT
3	CHICANE
4	ZIGZAG PLUS
5	SEQUOIA SRT
6	KNEE ASCENT LOOP
7	PANTIN
8	FLOW or CONTROL



6

## The KNEE ASCENT system is the ultimate ascension device for arborists

The KNEE ASCENT assembly facilitates the arborist's ascent when using the ZIGZAG or ZIGZAG PLUS mechanical Prusik on a single rope. It contains an upper strap, a CROLL L rope clamp, a lower strap with foot loop or boot clip and an XS size TOOLBAG tool pouch. The system is entirely adjustable and adapts to all shapes and sizes.



# Moving Rope System (MRS)

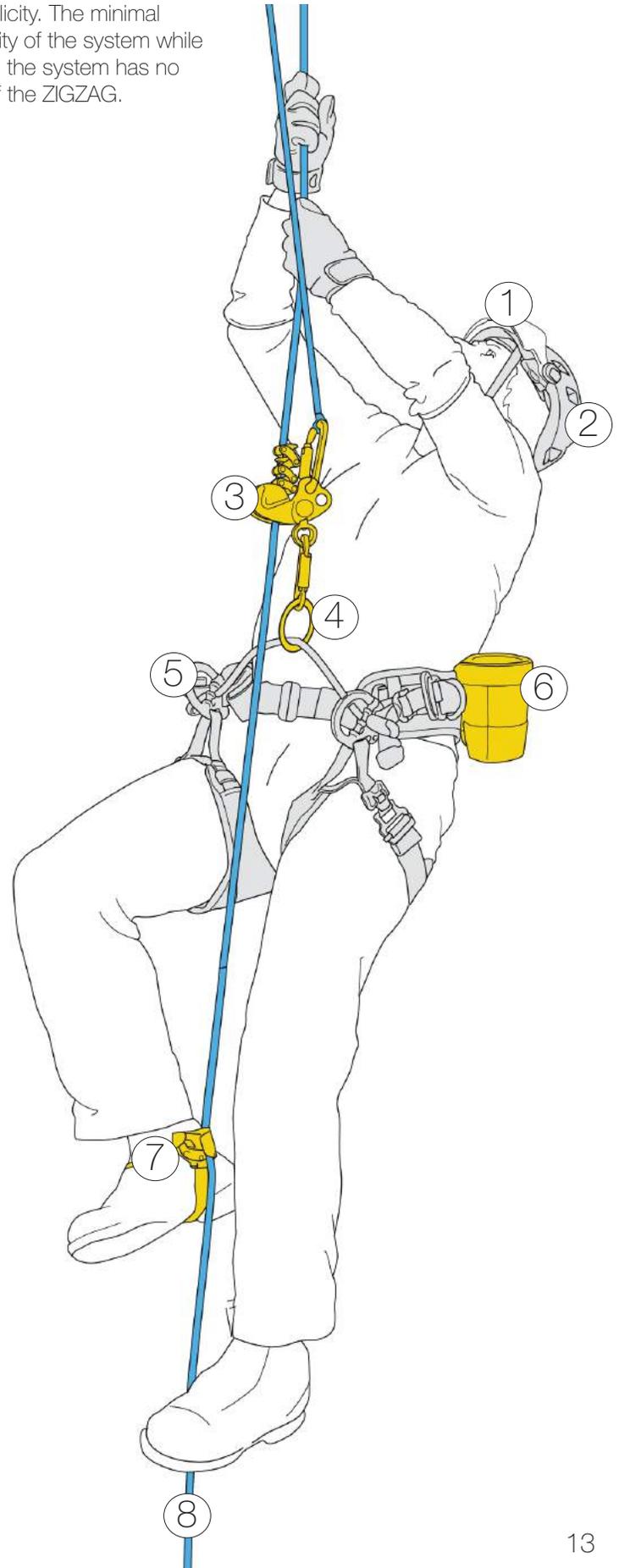
Moving rope systems are useful during short ascents for their simplicity. The minimal gear required to climb is appreciated by many, as well as the stability of the system while limbwalking. With a small amount of rope weight under the climber, the system has no setback in the climbing system, thanks to the mechanical nature of the ZIGZAG.

- |   |                 |
|---|-----------------|
| 1 | VIZIR           |
| 2 | STRATO VENT     |
| 3 | ZIGZAG PLUS     |
| 4 | RING OPEN       |
| 5 | SEQUOIA         |
| 6 | TOOLBAG XS      |
| 7 | PANTIN          |
| 8 | FLOW or CONTROL |

5

## Tree care seat harness for moving rope ascent techniques

The SEQUOIA is a tree care seat harness for moving rope ascent techniques. The extra-wide, semi-rigid waistbelt and leg loops provide comfort for the arborist. The waistbelt is equipped with a FAST automatic buckle for quick and simple opening and closing, without loss of adjustment, even while wearing gloves. The leg loops have FAST LT PLUS automatic buckles. The gated attachment points allow the user to easily connect a ZILLON or MICROFLIP lanyard, or to install several attachment bridges and accessories directly on the bridge. The harness also facilitates the carrying and organizing of work tools, with multiple equipment loops and retainers for attaching CARITool tool holders.



# Bucket Truck Essentials

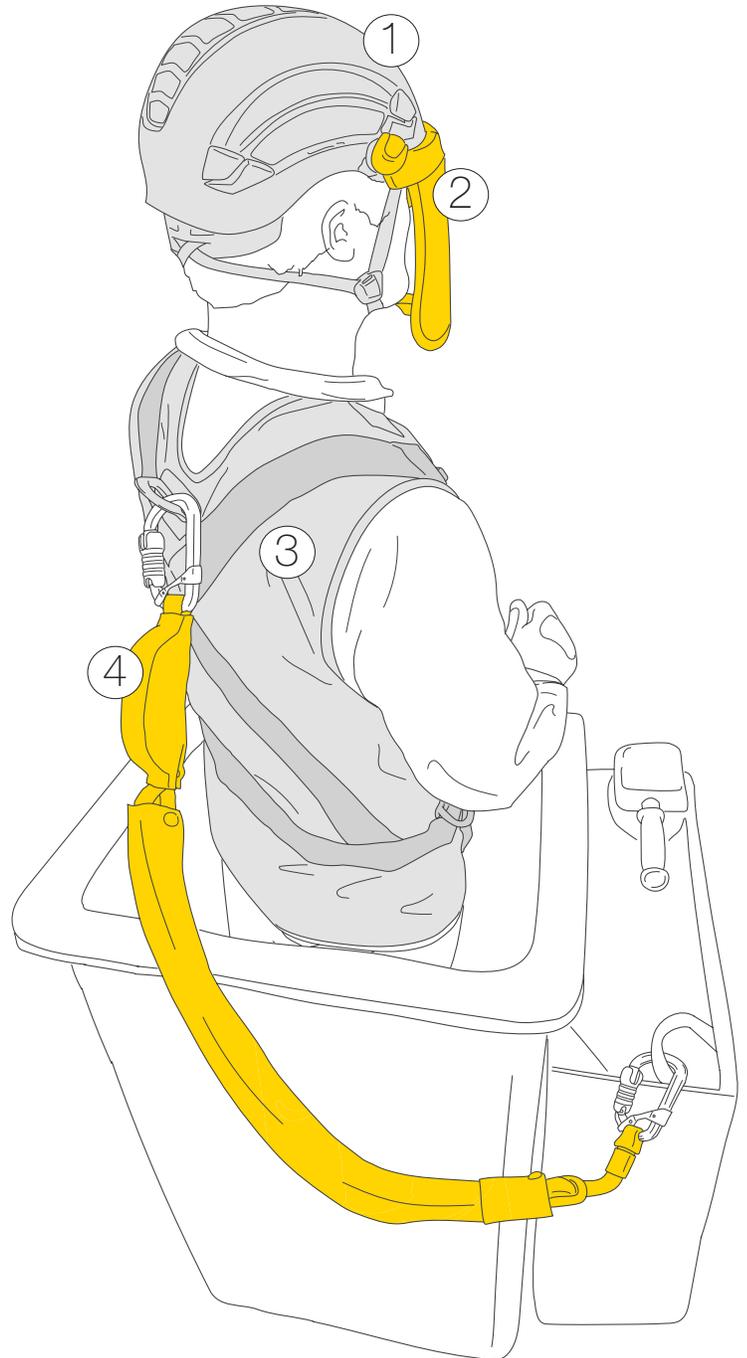
This product assembly is recommended for bucket truck work, made for individuals that switch between working at height and on the ground. The fluorescent-colored harness and helmet make the worker highly visible and the ABSORBICA VARIO fall arrest lanyard absorbs energy in case of a fall from an elevated bucket.

- 1 VERTEX HI-VIZ
- 2 VIZEN MESH
- 3 NEWTON EASYFIT HI-VIZ
- 4 ABSORBICA-I VARIO

3

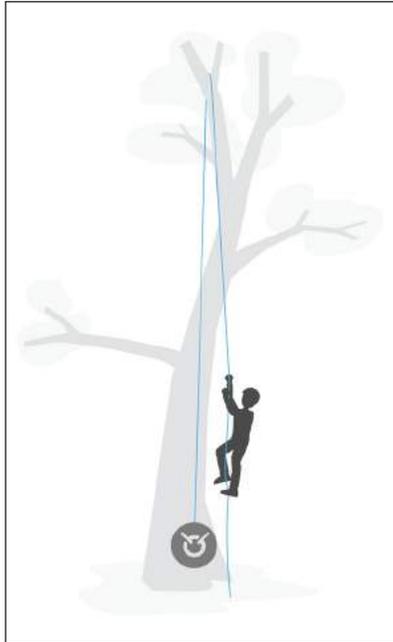
### Fall arrest harness with high-visibility vest that is easy to don

The NEWTON EASYFIT HI-VIZ fall arrest harness has a fluorescent colored vest with reflective strips, making the worker highly visible. It is easily donned thanks to its EASYFIT design. A vest ensures the harness keeps its shape, and the FAST automatic buckles (sternal and leg loop) allow the harness to be donned with both feet on the ground. It is comfortable throughout the workday with a close-fitting design that provides optimal freedom of movement. It is available in two sizes. It is ANSI Z359.11, ANSI 107, CSA Z259.10, and CSA Z96-15 certified.



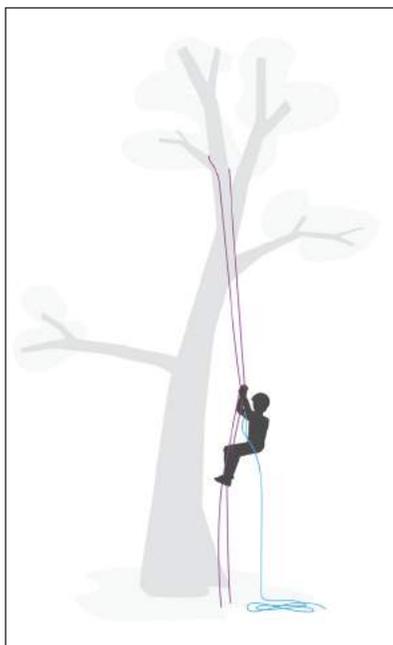


# Technical Tips - Tree Access



## Stationary Rope System (SRS) ascent technique - basal anchor

The access rope is attached to the base of the tree and runs through an appropriate anchor in the tree. It will also be used for work. On single rope, the ZIGZAG must only be used with the CHICANE. This technique allows for rapid rescue and efficient climbing with the KNEE ASCENT knee ascender.



## Moving Rope System (MRS) ascent technique

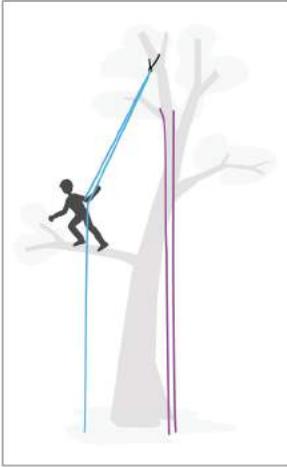
The arborist ascends the access rope (purple). In case of a hornet attack (or other problem) s/he can self-evacuate with the work rope (blue). A mule knot, or releasable knot, secures the ZIGZAG. This versatile ascent technique is adaptable to many situations and allows an access rope to be available during work.

## Canopy access made easy with the JET and AIRLINE

The JET throw-bag has a streamlined shape that facilitates passage through tree branches. It is available in three weights: 250, 300 and 350 g. The AIRLINE throw-line offers an excellent compromise between flexibility and rigidity, for an accurate throw without the formation of knots as it comes out of the bag. It is available in two lengths: 60 and 300 meters. Additionally, the ECLIPSE provides easy storage for AIRLINE throw-lines and JET throw-bags.



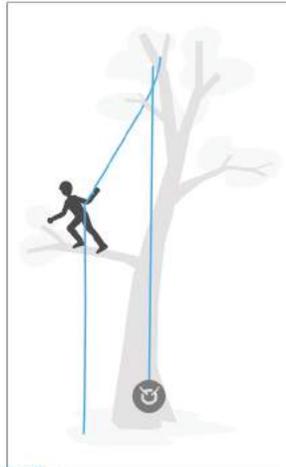
# Technical Tips - Movement within the Tree



## Moving Rope System

The work rope is set up doubled through a false crotch, on a suitable anchor near the top of the tree.

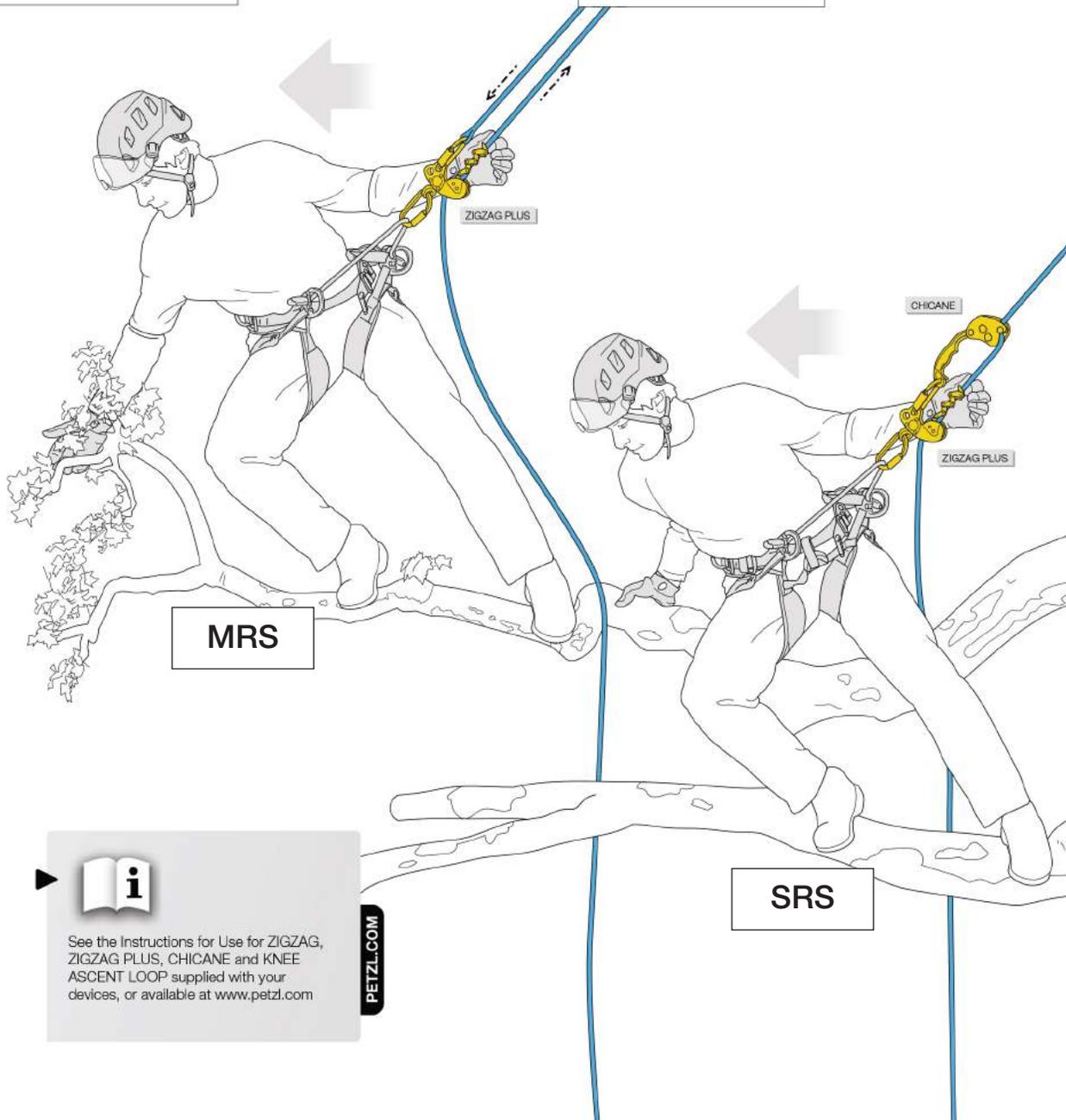
This technique allows for easy travel in any direction and provides the arborist with good support when limb walking.



## Stationary Rope System

The rope setup does not change between access and work; if the top anchor is reliable and verified, the arborist does not necessarily need to climb to the top and can go directly to the work station.

The rope does not run during movement, the arborist can thus move anywhere in the tree with no loss of efficiency.

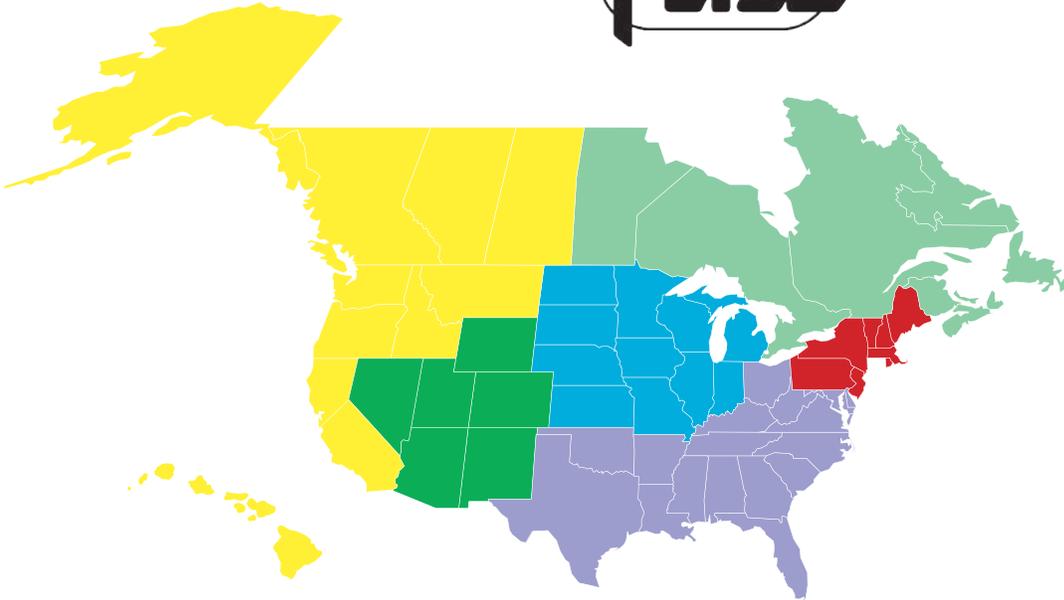


 See the Instructions for Use for ZIGZAG, ZIGZAG PLUS, CHICANE and KNEE ASCENT LOOP supplied with your devices, or available at [www.petzl.com](http://www.petzl.com)

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