

HEADLAMPS



Maintenance inside a water treatment facility © 2019 - Petzl Distribution - Vuedici.org 0.2 . .

-

Access the inaccessible®

Over forty years ago, Petzl created the first headlamp that fit "all-on-the-head", including the battery pack. It was an innovation that kept users' hands free for efficient and safe activity in dark environments. Since then, Petzl headlamps have become the ultra-performance, hands-free lighting solution for professionals, from artisans to those working in confined and hazardous spaces. Petzl's objective is to design the most efficient lighting solutions for all. When you choose a Petzl headlamp, you are choosing a work tool guaranteed to be reliable and durable, practical and comfortable, to help you carry out tasks with precision.

Contents

The Petzl company,	a family's passion	4
--------------------	--------------------	---

How to choose a Petzl headlamp	10
Practical and effective	12
For hazardous areas	16

Performance headlamps	18
Compact, durable headlamps	24
Ultra-compact headlamps	30

Accessories	38	3
-------------	----	---

PETZL.COM

At Petzl.com, find the complete Petzl product range and all related advice, reports and contact information for retailers in your country.

The expertise of a family business

The Petzl brand on a product has always represented the commitment of the Petzl family to produce the best tools for its users. The adventure began with Fernand Petzl's passion for caving, a passion to which he dedicated his talents as a craftsman. Petzl expertise began to grow with the design and crafting of solutions for ascending, descending, belaying and moving about in the dark. In 1970, the first "Fernand Petzl" brand products were produced in a workshop in Saint-Nazaire-Les Eymes, Isère, France. The Petzl company was created in 1975 and has grown into an international company that now employs over 800 people. Since its beginnings, it has preserved its family legacy and values: remaining independent and in control of its own decisions, developing a long-term vision, prioritizing people above all, and embracing its commitment to quality. Today, a family council, with Paul Petzl as president, ensures the continuity of the company.



A pioneering business

To attain the inaccessible, you need to know how to reinvent yourself. Since the development of the first rope ascenders and descenders, which laid the foundation for rope progression, Petzl has been at the forefront of change and the emergence of new techniques. As proof of this dynamic activity, over 700 patents have been registered since 1970. These advances always result from a dialogue with the user, in order to understand his/ her expectations and to provide the elements s/he needs. Petzl has always remained true to this method.



Headlamps: over forty years of innovation



Expertise and dedication to quality

For over 40 years, Petzl has built on its expertise in the design and manufacture of products for verticality and lighting. Today, Petzl designs, produces and distributes millions of products around the world. Building a Petzl product requires expertise in a wide range of materials - textiles, metals, plastics - as well as in specific technologies: plastics processing, sewing, injection molding, forging, LEDs, electronics... This expertise allows us to design equipment that meets both the needs of professionals and the technical requirements for its use: resistance to impacts, abrasion, extreme temperatures...







Design

The Petzl research department in Crolles, France, integrates all the fields related to product design: mechanical, textile, electronic, optical, computing and prototyping. Starting at the design and prototype phases, the reliability of the product and user safety are continually evaluated, with a strong focus on risks to the user.

Testing

In Crolles, Petzl has labs dedicated to testing verticality products and headlamps. These tests often go above and beyond the required standards to help validate product reliability and user safety. Examples of tests: dynamic fall tests, impact resistance, cyclic testing, performance, headlamp beam quality and burn times. They are complemented by testing in the field for ergonomics and reliability.







Production and inspection

Petzl's production sites are based in Crolles, Eybens, and Rotherens, France, and in Rawang, Malaysia. This production infrastructure is complemented by long-term partnerships with key suppliers in Europe and Asia. Our purchasing and quality control teams work closely with suppliers to guarantee a standard of product reliability and quality that meets our strict requirements. During the manufacturing phase, quality control is present at every step of the production chain. It combines automated and human inspections.







Head office and manufacturing in Crolles Manufacturing in Rotherens, Eybens and Rawang

Distribution

Petzl distributes products to more than fifty countries via a distribution network, subsidiaries and agents around the world.



Salt Lake City, Petzl America



•••• Petzl subsidiaries and agents: Austria, Benelux, Denmark, Finland, France, Germany, Italy, Norway, Spain, Sweden, Switzerland, UK, USA

•••• Petzl distributors

Performance headlamps

Durable and powerful, they are designed for intensive use in industry, maintenance and inspection. They feature the FACE2FACE function, and are certified ATEX (except DUO S).

Industry Maintenance Work at height Inspection

Compact, durable headlamps

Headlamps designed for frequent use, for the energy, networks, building, and maintenance markets. Certified ATEX or HAZLOC.

Industry Energy and networks Construction Maintenance

Ultra-compact headlamps

Practical, lightweight headlamps, for occasional to frequent use, for professionals working at concerts and shows, in workshops, on small maintenance jobs...

Shows and concerts Workshops Light maintenance







DUO Z1 [360 lm]



Pack de 5 DUO Z1



DUO Z2 [430 lm]







Intelligent lighting for greater convenience and performance

This exclusive technology, developed by Petzl, instantly provides the right lighting at the right time, without any need for manual operation. Burn time is thus optimized, and the user can engage in his or her activity with peace of mind.

REACTIVE LIGHTING technology offers:

- intelligent lighting
- hands-free lighting for greater convenience and performance
- longer burn time





Come face-to-face without blinding each other, for better teamwork

Once activated, the FACE2FACE function triggers a sensor that detects other DUO headlamps within 8 meters and automatically dims the lighting if they face each other. The light returns to its original intensity once the other headlamp is no longer in its line of sight.



Available on DUO Z1, DUO Z2 and DUO S headlamps.



HYBRID CONCEPT



The choice of the best energy source for the need

The HYBRID CONCEPT construction allows Petzl's compact headlamps to run on either the CORE rechargeable battery or three AAA/LR03 batteries, without an adapter.

- CORE rechargeable battery is an economical solution for frequent and/or intensive use
- AAA/LR03 batteries for occasional use, with very long burn time



Available on TACTIKKA CORE, TACTIKKA +RGB, TACTIKKA +, TACTIKKA and TACTIKKA ADAPT headlamps.

Multiple ways to wear them

Compatible with all helmet types

All Petzl headlamps are designed to be worn on the head or a helmet, while allowing for tilting of the headlamp:





- on Petzl helmets, using their mounting plates

- on other helmets, using adhesive plates, available as accessories



- TACTIKKA ADAPT, the readyto-go solution that adapts to any type of helmet



If an explosion hazard is identified in an environment, the hazardous areas are classified as areas at risk, depending on the prevalence and type of combustible, gas or dust. All of the materials used in these zones must conform with current regulations for this type of zone (ATEX or HAZLOC).

Classification of ATEX/HAZLOC zones

Explosive atmosphere	Gas type combustible		Dust type combustible		
	ATEX	HAZLOC	ATEX	HAZLOC	
Permanent or long-term	ZONE 0	Class I Div 1	ZONE 20	Class II Div 1	
Occasional	ZONE 1	Class I Div 1	ZONE 21	21 Class II Div 1	
Accidental	ZONE 2	Class I Div 2	ZONE 22	Class II Div 2	

Many Petzl headlamps are designed specifically for protection against electrical sparks, overheating, and dust intrusion in conformity with ATEX (European directive) or HAZLOC (North American directive) regulations.

Petzl headlamps for work in hazardous

areas		Hazloc	Ē	
	ATEX	HAZLOC	BATTERIES	RECHAR- GEABLE
DUO Z1	ATEX zone 1/21 II 2 GD Ex ib IIB T4 Gb IIIB T135° C Db Ambient temperature: -20° C to +40° C	-	-	•
DUO Z2	ATEX zone 2/22 II 3 GD Ex ic IIB T4 Gc IIIB T135° C Dc Ambient temperature: -20° C to +40° C	-	•	-
PIXA Z1	ATEX zone 1/21 II 2 GD Ex ib IIB T4 Gb IIIB T135° C Db Ambient temperature: -20° C to +40° C	-	•	-
PIXA 3R	ATEX zone 2/22 II 3 GD Ex ic IIB T4 Gc IIIC T135° C Dc Ambient temperature: -30° C to +40° C	-	-	•
PIXA 3	ATEX zone 2/22 II 3 G Ex nA ic IIB T4 Gc, II 3 D Ex tc IIIC T135° C Dc Ambient temperature: -30° C to +40° C	-	•	-
PIXA 3	-	HAZLOC Class I Div 2 Class II Div 2	•	-
	ATEX zone 2/22 II 3 G Ex nA ic IIB T4 Gc, II 3 D Ex tc IIIC T135° C Dc Ambient temperature: -30° C to +40° C	-	•	-
FIAA 2	-	HAZLOC Class I Div 2 Class II Div 2	•	-
PIXA 1	ATEX zone 2/22 II 3 G Ex nA ic IIB T4 Gc, II 3 D Ex tc IIIC T135° C Dc Ambient temperature: -30° C to +40° C	-	•	-
	-	HAZLOC Class I Div 2 Class II Div 2	•	-

Excavating underground galleries © 2019 - Petzl Distribution - Rémi Flament - SAS Michel Besson





DUO S

Ultra-powerful with 1100 lumens in BOOST mode, the DUO S is the most powerful rechargeable headlamp in the Petzl line. It is multi-beam, and has five lighting modes, making it adaptable to every situation: close-range work, proximity, movement, rapid movement and long-range vision. Featuring the FACE2FACE anti-glare function, the DUO S headlamp allows those working in a group to face each other without blinding one another, to work together more effectively. It can be worn on VERTEX and STRATO helmets, thanks to the included mounting plates.







DUO Z1

DUO Z1 is a headlamp with a maximum 360 lumens of lighting in BOOST mode that runs on a rechargeable battery. It is multi-beam, and has four lighting modes, making it adaptable to every situation: close-range work, proximity lighting, movement and long-range vision. Featuring the FACE2FACE anti-glare function, the DUO Z1 headlamp allows those working in a group to face each other without blinding one another, enabling them to work more effectively together. It can be worn on VERTEX and STRATO helmets, thanks to the included mounting plates. It meets ATEX zone 1/21 (II 2 GD Ex ib IIB T4 Gb IIIB T135° C Db) certification requirements for work in hazardous areas.













GEABLE





LUMENS

UNLOCK

WATER- V PROOF

WEIGHT

20





Pack of 5 DUO Z1

Pack of five DUO Z1 headlamps - comes with charging rack that allows simultaneous charging of five batteries.







DUO Z2

The DUO Z2 headlamp provides a powerful 430 lumens in BOOST mode, and runs on regular batteries. It is multi-beam, and has four lighting modes, making it adaptable to every situation: close-range work, proximity lighting, movement and long-range vision. Featuring the FACE2FACE anti-glare function, the DUO Z2 headlamp allows those working in a group to face each other without blinding one another, enabling them to work more effectively together. It can be worn on VERTEX and STRATO helmets, thanks to the included mounting plates. It meets ATEX zone 2/22 (II 3 GD Ex ic IIB T4 Gc IIIB T135° C Dc) certification requirements for work in hazardous areas.















INCLUDED





LUMENS

WATER-PROOF

Wind turbine maintenance operations, France © 2019 - Petzl Distribution - Vuedici.org - RES - Parc éolien de Marsanne

10



Repositioning of the braces of a tower crane, France © 2019 - Petzl Distribution - Vuedici.org - Integral - Bateg -Tour Trinity - Cro&Co Architecture





$PIXA^{\ensuremath{\mathbb{R}}}$ Z1

The PIXA Z1 headlamp is durable and versatile. The multi-beam adapts to all situations: close-range work, movement, and long-range vision. It meets ATEX zone 1/21 (II 2 GD Ex ib IIB T4 Gb IIIB T135° C Db) certification requirements for work in hazardous areas.







$\mathsf{PIXA}^{^{(\!\!R\!)}}\,\mathsf{3R}$

The PIXA 3R headlamp is a durable, rechargeable headlamp suitable for frequent use by professionals. The multi-beam adapts to all situations: close-range work, movement, and long-range vision. CONSTANT LIGHTING technology: brightness does not gradually decrease as the batteries are drained. It meets ATEX zone 2/22 (II 3 GD Ex ic IIB T4 Gc IIIC T135° C Dc) certification requirements for work in hazardous areas.







PIXA® 3

The PIXA 3 headlamp is durable and versatile. The multi-beam adapts to all situations: close-range work, movement, and long-range vision. CONSTANT LIGHTING technology: brightness does not decrease gradually as the batteries are drained. Available in two versions: ATEX zone 2/22 (II 3 GD Ex nA ic IIB T4 Gc tc, IIIC T135° C Dc) or HAZLOC Class I Div 2 and Class II Div 2.







PIXA[®] 2

The PIXA 2 is a durable headlamp offering lighting that allows the user to work comfortably on tasks close at hand or to move around safely. CONSTANT LIGHTING technology: brightness does not decrease gradually as the batteries are drained. Available in two versions: ATEX zone 2/22 (II 3 GD Ex nA ic IIB T4 Gc tc, IIIC T135° C Dc) or HAZLOC Class I Div 2 and Class II Div 2.















BATTERIES WATER-INCLUDED PROOF WEIGHT

LUMENS





$PIXA^{\ensuremath{\mathbb{R}}}$ 1

The PIXA 1 is a durable headlamp offering lighting that allows the user to work comfortably on tasks close at hand. CONSTANT LIGHTING technology: brightness does not decrease gradually as the batteries are drained. Available in two versions: ATEX zone 2/22 (II 3 GD Ex nA ic IIB T4 Gc tc, IIIC T135° C Dc) or HAZLOC Class I Div 2 and Class II Div 2.



Maintenance inside a water treatment facility © 2019 - Petzl Distribution - Vuedici.org







SWIFT RL PRO

Designed for the workshop, small maintenance jobs, or concerts and shows, the SWIFT RL PRO rechargeable headlamp offers 900-lumen brightness. With REACTIVE LIGHTING technology, a sensor analyzes the ambient light and automatically adjusts headlamp brightness to user requirements. It also has red lighting to ensure stealth. SWIFT RL PRO is intuitive, with a single button for easy control over all lamp functions. The five-level gauge allows precise monitoring of the battery charge level. The lamp is compatible with Petzl helmets, and mounting accessories allow it to be attached to any kind of helmet.



LIGHTING



DISTANCE BURN TIME



RED

LIGHTING



UNLOCK







LUMENS

RECHAR-GEABLE

WEIGHT

WATER RESISTANT







TACTIKKA[®] CORF

Designed for the workshop, small maintenance jobs, or concerts and shows, the TACTIKKA CORE headlamp offers 450-lumen brightness. It is multi-beam, guaranteeing comfortable proximity lighting and strong performance lighting for rapid movement and distance vision. It also has red lighting to ensure stealth. TACTIKKA CORE comes with the CORE rechargeable battery and is also compatible with three AAA/LR03 batteries (not included), thanks to its HYBRID CONCEPT design. Mounting accessories allow the lamp to be attached to any kind of helmet.













RED

STROBE



GEABLE



PX4

WATER

LUMENS

WEIGHT RESISTANT

32



TACTIKKA® +RGB

Designed for the workshop, small maintenance jobs, or concerts and shows, the TACTIKKA + RGB offers 350-lumen brightness and a mixed beam, for comfortable proximity lighting and rapid movement. It also has red, green or blue lighting to ensure stealth. TACTIKKA +RGB comes with 3 standard batteries and is also compatible with the CORE rechargeable battery, thanks to its HYBRID CONCEPT design. Mounting accessories allow the lamp to be attached to any kind of helmet.





TACTIKKA® +

Designed for the workshop, small maintenance jobs, or concerts and shows, the TACTIKKA + offers 350-lumen brightness and a mixed beam, for comfortable proximity lighting and rapid movement. It also has red lighting to ensure stealth. TACTIKKA + comes with 3 standard batteries and is also compatible with the CORE rechargeable battery, thanks to its HYBRID CONCEPT design. Mounting accessories allow the lamp to be attached to any kind of helmet.









LIGHTING







 \mathbb{C}



LUMENS

BATTERIES WATER **NCLUDED** RESISTANT

WEIGHT



TACTIKKA®

Designed for the workshop, small maintenance jobs, or concerts and shows, the TACTIKKA headlamp offers 300-lumen brightness and a flood beam for comfortable proximity lighting. It also has red lighting to ensure stealth. TACTIKKA comes with three standard batteries and is also compatible with the CORE rechargeable battery, thanks to its HYBRID CONCEPT design. Mounting accessories allow the lamp to be attached to any kind of helmet.







TACTIKKA® ADAPT

TACTIKKA ADAPT is a ready-to-go lighting solution for use on any type of helmet. It consists of a TACTIKKA headlamp without a headband, a FIXATION TACTIKKA clip mount, and a KIT ADAPT adhesive mount.











LIGHTING







LUMENS

BATTERIES WATER INCLUDED RESISTANT

WEK

36



$e+LITE^{\mathbb{R}}$

Ultra-lightweight and highly compact, the e+LITE emergency headlamp is the one to always have with you. Thanks to its carry case, it is always ready to use and can be stored with its batteries for ten years in a backpack, a vest, or an emergency kit, or used as a back-up headlamp. Its white or red, continuous 30-lumen lighting or strobe lighting helps you to be seen. The whistle integrated in the elastic headband allows the user to signal an emergency. Weighing only 26 grams, e+LITE is an ideal emergency headlamp.



Excavating underground galleries © 2019 - Petzl Distribution - Rémi Flament -SAS Michel Besson

WBON

PATE

PETZ2

PETZL

PETZL



ACCU 2 DUO Z1 Rechargeable battery for DUO Z1 headlamp, usable in ATEX zone



ACCU 2 Rechargeable battery for DUO S headlamp



5 DUO Z1 charging rack

Charging rack, which allows simultaneous charging of five DUO Z1 headlamp batteries



ACCU 2 DUO Z1 charger





Quick charger Quick wall charger for ACCU 2 rechargeable batteries



Extension cord for headlamp Extension power cable for DUO S headlamp



ACCU SWIFT RL PRO Rechargeable battery for SWIFT RL PRO headlamp



Rechargeable battery for PIXA[®] 3R 930 mAh Lithium-Ion Polymer rechargeable battery



CORE Rechargeable battery compatible with Petzl HYBRID headlamps



PRO ADAPT

Adhesive accessory for mounting a DUO headlamp on any type of helmet



PIXADAPT

Accessory for mounting a PIXA or SWIFT RL PRO headlamp on a helmet



RUBBER

Rubber headband for PIXA or SWIFT RL PRO headlamp, compatible with all helmet types



FIXATION TACTIKKA®

Kit for mounting a TACTIKKA, TACTIKKA +, TACTIKKA +, RGB or TACTIKKA CORE type headlamp on a STRATO or VERTEX helmet



KIT ADAPT Kit for mounting a TIKKA type headlamp onto a helmet





POCHE PIXA® & SWIFT RL PRO

Carry pouch for PIXA and SWIFT RL PRO headlamps



SHELL L

Carrying case for ultra-compact headlamps

Warning

The activities depicted are inherently dangerous. All users must be trained and competent in the use of the equipment for these activities.

Guarantee

3 to 10 year guarantee, depending on the model, covering parts and labor only for manufacturing defects. Normal wear and tear and inappropriate use are excluded from the guarantee. To take advantage of the guarantee, the defective part must be returned to us. Product photos Studio Kalice Aurélie Jeannette Yannick Siegel

Printing Comptoir des idées

Petzl 38920 Crolles - F ISO 9001 Certifed Company © Petzl 2019









