



Ergodyne Squids® Tool Lanyard Karabiner Accessory Pack Attach the male buckle end to a lanyard with a female buckle attachment and attach the stainless steel manual locking karabiner to a tool with an attachment. Max load: 0.46 kg.

| Karabiner for Tool Lanyard | code | list | price |
|----------------------------|----------|--------|--------|
| Pack of 3 | ERG19325 | £24.15 | £21.74 |



Ergodyne Squids® Tool Connectors Web Tool Tails These ultrastrength nylon web tool tails can provide retrofit D-Ring attachment points to a variety of tools. They can be attached with the Tape Trap or Cold Shrink Trap. Max load: 0.9 kg.

| Web Tool Tails | code | list | price |
|-----------------|----------|-------|-------|
| 90 mm [6 pack] | ERG19703 | £8.05 | £7.25 |
| 140 mm [6 pack] | ERG19705 | £8.05 | £7.25 |
| 215 mm [6 pack] | ERG19708 | £8.05 | £6.55 |



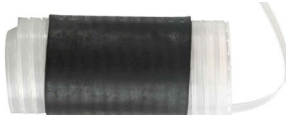
Ergodyne Squids® Tool Lanyard Detachable Loops As an alternative to using both the Tool Tails and Karabiner Buckle attachment above, you can attach these to your tools with the Tape Trap or Cold Shrink Trap for easily changeable tools. Max load: 2.26 kg.

| Detachable Loops for Tool Lanyard | code | list | price |
|-----------------------------------|----------|-------|-------|
| | ERG19068 | £6.45 | £5.81 |



Ergodyne Squids® Tool Connector Self-adhering Tape Trap This fibreglass reinforced Self-Adhering Tape Trap secures attachments onto your tools and adds extra grip. Uses no adhesive so tools are left perfectly clean when removed. Length: 3.7 m [per roll], width: 25 mm wide. Max load: 4.5 kg.

| Self-Adhering Tape trap | code | list | price |
|-------------------------|----------|--------|--------|
| | ERG19755 | £27.95 | £25.16 |



Ergodyne Squids® Cold Shrink Trap A more permanent alternative to the Tape Trap. Simply place the tube over the handle of your tool with the connector in position. Pull the far end of the perforated tube through itself and gradually unwind. The EPDM rubber will slowly form to the handle trapping the connector point in place. No heat necessary. Max load: 2.26 kg.

| Shrink Trap | length | fits tool Ø | code | list | price |
|-------------|--------|--------------|----------|--------|--------|
| S | 76 mm | 19 - 38 mm | ERG19723 | £9.05 | £8.15 |
| M | 101 mm | 125 - 175 mm | ERG19724 | £10.85 | £9.77 |
| L | 152 mm | 44 - 63 mm | ERG19726 | £15.75 | £14.18 |

Squids® System



Finding a safety solution that will prevent falling tools can be complicated. The Ergodyne Squids® system is the easy way to tether your tools to yourself [or structure] in whatever way works best for you. Attach buckles to your tools with tape trap and then connect to your wrist, or Shrink Trap D-ring tails to create an easy attachment point. How you connect is up to you.

The Squids® logo is used on this page to indicate the component is part of this modular system.



MOBILE FALL ARREST

Mobile Fall Arrest

There are many simple lever rope grabs on the market which are designed to drag along a safety rope and lock in the case of a fall. The standard for these devices involves testing the product with a 100 kg weight being dropped via the lever and the braking distance must be within a certain distance. Usually they will pass this simple test. However, the reality is that if you were to fall off a ladder, the drop is often not a neat vertical descent but there is a tendency to fall outwards away from the safety line. In this case, the lever action will not be activated and the "safety" device will run down the safety line as the casualty falls to the ground. The casualty will be injured or worse but the device still meets the standard. The Petzl ASAP Lock overcomes this potential hazard by not using the simple lever cam employed in most devices but a system that will stop any descent which is too fast.



Petzl ASAP Lock The ASAP Lock is a reference product in fall protection for a single worker at height. In normal use, the device moves freely along the rope without any manual intervention and accompanies the user in all their movements. In case of shock or sudden acceleration, the ASAP Lock locks on the

rope and stops the user. The integrated locking function allows the user to immobilize the device in order to reduce the length of a fall. The ASAP Lock may also be combined with an energy absorbing lanyard to work at a distance from the rope. For use on safety lines of semi-static rope [EN 1891 type A] from 10 mm to 13 mm diameter [page 203].

- ✓ Stops a descent that is too fast or a slide on an inclined surface
- ✓ Works on vertical and inclined rope
- ✓ Locks onto the rope even if grabbed reflexively by the user
- ✓ Moves up and down the rope without manual intervention
- ✓ Easy to put on and remove at any point on the rope
- ✓ The device does not have to be removed from the connection to the harness in order to remove the fall arrest from the rope

Individually tested. Conformity: CE EN 353-2, CE EN 12841 type A, EAC.

| ASAP Lock | weight | code | price |
|-----------|--------------------------|-------------|---------|
| | 425 g [+ karabiner 75 g] | PETB071BA00 | £187.00 |



Petzl ASAP'sorber & ASAP'sorber Axess When using the ASAP Lock mobile fall arrester it is best to attach it directly to your harness. However, this may restrict the user's movement to carry out certain tasks. Using this energy absorber with the ASAP Lock enables the user to keep a distance from the safety rope whilst limiting the impact force. The ASAP'sorber Axess can be used in two-person rescue situations for a load of up to 250 kg. NB: Be aware that using an ASAP'sorber will increase the amount of clear free-fall space needed. Conformity: ASAP'sorber: CE EN 355 ANSI Z359.13 6 feet, EAC. ASAP'sorber Axess: CE EN 355, ANSI Z359.13 6 feet.

| ASAP'sorber | code | price |
|-------------------|-------------|--------|
| Length 200 mm | PETL071AA00 | £26.00 |
| Length 400 mm | PETL071AA01 | £30.50 |
| ASAP'sorber Axess | code | price |
| Length 400 mm | PETL071CB00 | £35.50 |

CLIMB ASSIST PULLEY



Shown here with Large Prussik Pulley



ALF – Auto Locking Fall Arrest Pulley I saw a demonstration of this system and was impressed. The ALF is designed for climbing vertical structures. At low speeds the rope runs freely around the pulley, in the event of a fall the rope speed ensures an inertia brake will kick in. The fall distance is extremely short. In the unlikely event that a rescue is needed it can be carried out from ground level. By using a continuous rope loop, when one person reaches the top, the return line provides an attachment point for the next climber. Use low stretch 11 mm rope to EN 1891 [page 203]. The Large Prussik Pulley is the ideal return pulley.

| ALF | WLL | MBS | weight | code | Tradeline |
|----------------------|--------|-------|---------|----------|-----------|
| ALF device | 140 kg | - | 1.33 kg | SAFRP430 | £277.36 |
| Large Prussik Pulley | - | 70 kN | 463 g | SAFRP066 | £42.96 |

ASCENDERS & ROPE GRABS



Petzl TIBLOC Compact Emergency Ascender In a bind, this ultra-lightweight ascender can be used to build hauling systems or as a Prusik-replacement in self-rescue situations. Use with the ULTRALEGERE sheave [page 221] for an ideal lightweight, compact emergency hauling kit. Chrome-plated steel cam with angled teeth and self-cleaning slot securely grips the rope, even in muddy or icy conditions. Can be used as a progress capture device in a hauling system. A small hole at the top of the TIBLOC allows a keeper cord to be attached. This new version has plastic housing to aid the release of the rope in poor conditions Chrome-plated steel. For use on single 8 - 11 mm ropes with a locking karabiner having a 10 to 12 mm round or oval cross section. Conformity: CE EN 567, EAC.

- ✓ A work of sheer genius ✓ So simple and so light
- ✓ A personal favourite ✓ New version has plastic housing

| Tibloc | weight | code | price |
|--------|--------|----------|--------|
| | 39 g | PETB01BN | £29.00 |



Petzl Ascension A rope clamp/grab for ascending fixed ropes from 8 – 13 mm Ø.

Ergonomic grip and spring catch allows one-handed removal and installation on the rope. 2 upper holes allow a karabiner to be clipped around the rope and 2 lower holes for foot loop [see below] and lanyard. Individually tested. CE

EN 567, NFPA L. Weight: 195 g.

| Ascension | Right hand | price | Left hand | price | |
|-------------------|------------|--------|-------------------|-----------|--------|
| Yellow with black | PETB17ARA | £46.73 | Black with yellow | PETB17ALA | £46.73 |
| Black | PETB17ARN | £49.50 | Black | PETB17ALN | £49.50 |



Petzl Footape C47A Adjustable webbing foot loop for rope ascents designed for use with handled rope grabs such as the Ascension listed above. Can be attached using a Maillon Rapide such as WIR250B listed on page 184.

| Footape C47A | weight | code | price |
|--------------|--------|---------|--------|
| | 65 g | PETC47A | £15.63 |



Petzl Basic Compact Versatile Rope Clamp

Use it to ascend a fixed rope, or as progress capture in a hauling system. Toothed cam with self-cleaning slot optimises performance under any conditions [mud, ice etc.]. The stainless steel cam resists corrosion. Wide lower hole allows lanyard and foot loop karabiners to be easily connected. Upper hole for clipping a karabiner around the rope. Conformity: CE EN 567, CE EN 12 841 type B. Rope Ø: 8 - 11 mm.

| Petzl Basic | weight | code | price |
|-------------|--------|-----------|--------|
| | 85 g | PETB18BAA | £42.83 |



Petzl Pantin® Foot ascender

Designed to make rope ascents faster and less tiring. Used to complement the Croll, or Ascension rope clamps. A cam facilitates passage of the rope through the device, even on the first few metres. The mechanism is totally

integrated into the body of the rope clamp to help prevent snagging. Releases from the rope with a simple backwards movement of the foot. Lower strap is 100% Dyneema to resist abrasion. Easy adjustment with DoubleBack buckle. Warning: the Pantin is not PPE. Rope Ø: 8 - 13 mm. Weight: 85 g.

| Pantin | colour | left foot code | price | colour | right foot code | price |
|--------|--------|----------------|--------|--------|-----------------|--------|
| | Black | PETB02CLA | £49.06 | Yellow | PETB02CRA | £49.06 |



Petzl Croll Chest-mounted rope grab

for use with the Ascension when ascending ropes. Ergonomic spring catch allows one-handed removal and installation on the rope. Angled attachment hole allows the Croll to lay

flat against the stomach. Rectangular upper hole takes Secure shoulder straps to position the Croll correctly. Slides up the rope easily as the user ascends. Conformity: CE EN 567 and CE EN 12841 Type B. Individually tested. Rope Ø: Croll 8 - 11 mm, Croll L: 8 - 13 mm.

| Croll | weight | code | price |
|------------------------|--------|-------------|--------|
| Croll | 85 g | PETB16BAA | £42.83 |
| Croll L | 140 g | PETB016AA00 | £42.83 |
| Secure shoulder straps | 135 g | PETC74A | £21.50 |



Petzl Stop Self-braking descender

for single 8.5 - 11 mm diameter rope. Brakes when the handle is released. The rate of descent is controlled by varying the grip on the free end of the rope. Training is essential before using descenders.

Conformity: CE EN 341 class A.

| Stop | weight | code | price |
|------|--------|-------------|---------|
| | 350 g | PETD009AA00 | £101.24 |



Petzl Huit D02 Figure-of-eight descender

for single or double rope. Smaller hole may be used for smaller diameter rope for an additional braking option. Individually tested.

| Huit D02 | weight | code | price |
|----------|--------|--------|--------|
| | 100 g | PETD02 | £14.02 |

HELMETS



Petzl RIG

A compact self-braking descender for experienced rope access workers.

This has replaced the heavier and bulky I'D S. The ergonomic handle allows convenient and comfortable control of the descent. There are two possible descent modes: on the side plate or in the V-shaped friction channel. The new stainless steel wear plate improves durability by reinforcing the rope friction zone often worn down quickly by those who make many quick descents. The AUTO-LOCK system allows users

to easily position themselves at the work station without having to manipulate the handle or tie off the device. Once locked, the rope can be taken up without having to manipulate the handle allowing for easy short ascents, for example (by adding a FOOTAPE or FOOTCORD foot loop and an ASCENSION handled rope clamp). It is also easy to install a rope, thanks to the rope guide and markings. Safety gate on the moving side plate allows the rope to be installed while the device remains connected to the harness. Handle automatically switches to storage position when the rope is removed from the device. SPECIFICATION: Maximum working load: 200 kg. Conformity: CE EN 341 type 2 class A, CE EN 12841 type C, CE EN 15151-1, NFPA 1983 Technical Use.

| RIG | rope Ø | colour | weight | code | price |
|-----|--------------|--------|--------|-------------|---------|
| | 10 - 11.5 mm | Black | 400 g | PETD021AA01 | £136.00 |



Petzl I'D L

Self-braking descender with anti-panic function

The I'D L is suitable for larger ropes [12.5 - 13 mm], loads up to 280 kg [150 kg for 1 person], and includes an anti-panic function. Further details of this product can be seen on our website.

| I'D@ | rope Ø | colour | weight | code | price |
|------|--------------|--------|--------|---------|---------|
| | 12.5 - 13 mm | Red | 600 g | PETD20R | £182.50 |

RIGGING HUBS



Medium



Small

NEW TYPE

PPE

Petzl Paws For organising the work station and creating multi-anchor systems. Made of aluminium. 3-year guarantee.

Conformity: CE, NFPA 1983 General Use. Breaking Strength: 45 kN.

| Petzl Paws | colour | weight | code | price |
|------------|--------|--------|-------------|--------|
| Small | Black | 60 g | PETG063AA00 | £23.00 |
| Medium | Black | 180 g | PETG063AABA | £42.00 |



Specialist Rigging Hubs

These rigging hubs have a wide range of uses. When trying to rig an item in a particular position in a hall or arena from multiple anchor points it can end up being difficult to achieve a neat [and strong] point where all the lines meet up. Care needs to be

taken that clusters of karabiners position themselves correctly with no pressure on the gales etc. The rigging hub solves these issues by providing a single piece of CNC-machined aluminium which provides a WLL of at least 10 kN in all directions. The rounded slots and holes take karabiners, ropes or webbing. Conformity: EN 795[b]:2012.#

SPECIFICATION: Ø: 119 mm. Breaking strength: central eye/85 kN, outer kidney slots/45 kN.

| Rigging Hub | weight | code | price |
|-------------|--------|--------------|--------|
| Medium | 260 g | SAFARBHUB108 | £96.25 |

General Information about Helmets

"Unless there is no foreseeable risk of injury you must provide your employees with safety helmets and decide when, where, and how they should be worn. Safety helmets must be worn in designated 'hard hat' areas. Only turban-wearing Sikhs are exempt from these requirements. Wear the helmet so that the brim is level when the head is upright, i.e. don't wear it sloping up or down as this may significantly reduce the protection it can provide. Don't use your helmet as a handy basket – it is designed to fit on your head, not for mixing cement or carrying nails! Don't paint it or use solvents to stick labels to it, or scratch an identification mark onto it, the shell could weaken and rapidly deteriorate. The manufacturer can be asked to add a label. Don't store them in heat or direct sunlight, such as in the rear window of a car." An extract from the HSE information sheet.

All straightforward stuff but there is often some confusion regarding chin straps.

Chin Straps

For work at ground level the helmet must come off easily if snagged – perhaps by a chain hoist hook or flying bar. The chin strap, if fitted, must release at 25 daN, around 25 kg. It must conform to EN 397. For work at height the helmet must remain on the head during impact and the chin strap must withstand more than 50 daN and conform to the mountaineering standard EN 12 492.

If using a Work at Height helmet at stage level the chin straps should not be employed if there is any risk of the helmet being snagged by hoists. The HSE information sheet simply says, "Chin straps should be provided and used if a job involves work in windy conditions, especially at height, or repeated bending or constantly looking upwards".

Helmets should be comfortable to wear, they should fit the head snugly and be positioned centrally. They should be able to be worn with other PPE items such as visors, head torches and ear defenders.



Bump Cap with LED Lighting

Gives protection against bumps and bruises on the head with a state-of-the-art shell. The built-in LEDs illuminate projects without a flashlight or bulky headlamp. Conformity CE EN 812. Powered by four CR2032 lithium ion batteries (included), 48 lumens brim length: 50 mm, Size:

| Ergodyne Bump Cap | colour | code | list | price |
|-------------------|--------|----------|--------|--------|
| | black | ERG23370 | £39.95 | £35.96 |

VAT on Helmets and Work Boots

This is slightly complicated. They must be made to the appropriate European or British Standard, bear a mark indicating the standards, and be for industrial use. They must not be supplied to persons for use by their employees. As an individual purchasing the appropriate helmet or work boot for industrial use you may be entitled to zero-rating.

Visit www.customs.hmrc.gov.uk for full details. We will ask you to sign a form if you would like to claim zero-rating on these products. The form can be downloaded at www.flints.co.uk/downloads.