

Lanyards

A lanyard is a series of components designed to prevent a person or an object from falling. Typically it would consist of an anchor point, a karabiner, a length of webbing or rope, an absorber and another karabiner. We have divided our section into three parts:

- Work Positioning • Fall Arrest • Small Tool Lanyards

At least two deaths have occurred over the past few years due to lanyard failure so careful choice and training are essential. The person purchasing fall arrest equipment, which consists of a harness, lanyard and anchor, should be competent to do so.

WORK POSITIONING LANYARDS

Rope Lanyard - Type Jane

Dynamic black kermantle rope lanyards with plain sewn ends and plastic sleeves. We offer a kit of a 1 m lanyard supplied with an MGO Open scaffold karabiner [see page 207 for details]. These lanyards can be converted to fall arrest lanyards with the addition of an Absorbica [page 355] secured to the lanyard with a Delta Maillon Rapide [type WIR252B listed on page 205]. Conformity: CE EN 354, EN 795 type B, UKCA, EAC, ANSI Z359.3; CSA Z259.11



PPE



code	Type	weight	length	price
PETL050BA00	plain sewn ends	100g	0.6m	£22.00
PETL050BA01	plain sewn ends	120g	1m	£23.00
PETL050BA02	plain sewn ends	145g	1.5m	£25.00
PETL050BA01K	sewn ends plus MGO Open	610g	1m	£72.49

Rope Lanyard

12 mm diameter polyamide [nylon] rope lanyards, with a choice of connector. Conformity: EN 354.

PPE



code	Type	length	price
WIRLCA251	M10T Karabiner and one scaffold hook	2m	£57.42

Petzl Adjustable Lanyard - Grillon

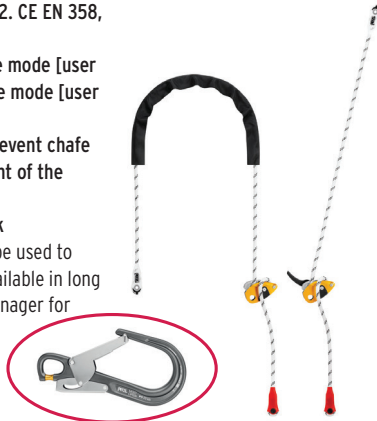
An adjustable work positioning and restraint lanyard that allows the worker to easily adjust the length for comfort and safety. Not suitable for fall arrest although they will withstand a small 500 mm fall. The nylon semi-static rope helps absorb some of the forces. Available in 2 m or 3 m lengths [4 m or 5 m available to order]. The standard Grillon requires two connectors [pages 205-207] but choose types to EN 362. CE EN 358, CE EN 12841 type C, EAC.

- ✓ Can be used in two ways – double mode [user has weight on their feet] or single mode [user is suspended]
- ✓ Sliding protective sleeve helps prevent chafe
- ✓ Connects to the side or waist point of the harness
- ✓ Now also available with MGO hook

NB: Grillon Adjustable Lanyards can be used to create horizontal lifelines and are available in long lengths. Please phone our Rigging Manager for details.



PPE



code	description	weight	length	price
PETL052AA00	Plain Ended	480g	2m	£135.00
PETL052MG00K	2 m + MGO Open Connector	480g + 490g	2m	£147.00
PETL052AA01	Plain Ended	560g	3m	£135.00

Cow's Tails

This dynamic rope is for creating anchor lanyards (Cow's Tails) for the attachment of the user's harness to an anchor point. Check with the harness manufacturer which harness points are suitable for cow's tails. This dynamic rope must not be used to make a fall arrest lanyard in conjunction with an energy absorber. The knots used must have a minimum static strength of 15 kN. Tests have proved that a correctly tied figure-of-eight knot gives a minimum static strength in excess of 15 kN. Other knots may increase energy absorption but not meet the 15 kN strength. Only trained persons should tie knots to create Cow's Tails. CE EN 892. See also Fibre Rope [page 217].



code	Colour	weight	length	Ø	price
ROPLICT4A	can vary	330g	4m	11mm	£25.01
ROPLICT5A	can vary	410g	5m	11mm	£28.58

RETRACTABLE LANYARDS

A Note on Retractable Lanyards

In many respects, these devices seem to solve some common problems. The length of the lanyard adjusts to allow the user freedom of movement. The inertia reel locks automatically in the event of a fall, keeping the fall distance to a minimum – typically around 400 mm. They should comply with EN 360. However, the tests for these units to ensure compliance with EN 360 do not actually cover the retracting mechanism but only the locking mechanism. Should the retracting mechanism fail to rewind, and a loop of webbing is formed, then the user could be exposed to a F2 category fall or worse. Retractable lanyards should also be fixed to a rigid anchor point. If they are attached to a catenary wire there is a chance that the locking pawls will bounce out as the wire bounces creating a series of arrests. As there is no medical data concerning this, one can only suppose it to be very harmful. Although the Blocfor™ will operate horizontally, careful consideration should be made before employing it in this manner. The worker must be prevented from reaching an edge where a fall could happen. This is because the attachment position of the lanyard to the worker's harness will allow a sudden drop of around 1.5 m onto the cable before the mechanism arrests the fall. The cable will be subjected to very high loads while in contact with a sharp edge. Catastrophic failure will occur. The person purchasing fall arrest equipment, which consists of a harness, lanyard and anchor, should be competent to do so.

Blocfor™

Automatic Fall Prevention Blocks These self-reeling blocks give complete freedom of movement. Supplied with a M47 swivel connector. Available in three lengths. May be used horizontally without the addition of a webbing lanyard placed between the wire and the harness as they now come supplied with an absorber. [Please read our notes at the beginning of this section.] The absorber adds to protect against falls even when the wire is fully unwound, and also doubles a fall indicator. Top stuff. Conformity: EN 360.



code	Type	Material	length	price
SAF70572	Model 70572	galvanised wire	10m	£345.82
SAF74532	Model 74532	galvanised wire	30m	£779.32

LANYARDS & ANCHORS

Blocfor™ 20R and 30 R with Securing System

Automatic fall protection device with integrated winch for ascent or decent during a possible rescue operation. Complete with M46 connector, and absorber that adds to protect against falls even when the wire is fully unwound. Available in cable lengths of 20 m or 30 m. Conformity: EN 360 and EN 1496 Class B.



Blocfor™ Inertia Reel Lanyard

These Blocfor™ 2W 47-10 inertia reel lanyards allow freedom of movement but will lock automatically in the event of a fall. They are of particular use where a conventional lanyard could allow the user to come in contact with the ground or swing into supporting legs. 45 mm wide polyester webbing. Tractel code: 75389. Braking force: 5 kN. Conformity: EN 360.

Measurements
Eye-to-eye closed – 430 mm
Eye-to-eye fully extended opens to – 2,090 mm
[Travel distance - 1,660 mm]



code	Type	Material	length	price
SAF75492	Model 75492	Galvanised line	20m	£1,189.86
SAF75502	Model 75502	Galvanised line	30m	£1,576.04

code	description	length	price
SAF75389	M10T Karabiner & M47 hook webbing	2m	£109.71

FALL ARREST LANYARDS

The Working at Height Regulations came into effect on 6th April 2005. The information here is derived from technical symposiums with industry experts and Health and Safety Executive representatives.

- ✓ A fall arrest lanyard system has to be strong, 15 kN is the most popular minimum static strength although regulations permit anchor points of 12 kN.
- ✓ The lanyard must prevent high shock loads when deployed. Parachutists were found to be able to withstand up to 12 kN impact force but this needs to be halved to take into account less athletic personnel. Energy absorbers are designed to transfer a maximum shock load of 6 kN. This assumes an average body weight of around 80 kg. Very light people and children would be subjected to much higher shock loads if standard equipment were used. If your weight is considerably lighter [or heavier] than the adult norm then you should seek further advice from the equipment manufacturers.
- ✓ Lanyards are designed for a max weight of 100 kg. Greater weights can be acceptable if the lanyard is shortened. Petzl state 100 kg = Max Lanyard Length 2 m, 120 kg = MLL 1.67 m, 140 kg = MLL 1.43 m.
- ✓ You should remain clipped on at all times. If you are moving around a structure you will need two lanyards but please note that you must never use two absorbers. A twin-legged lanyard with one absorber is the correct equipment and the spare leg must never be clipped back to your harness or the absorber could be "shortcut" and high impact forces transmitted to your body.
- ✓ Always clip your lanyard onto a point above or level with you. A 1.5 m long lanyard clipped on level with the attachment to the harness will permit a 1.5 m fall. This is referred to as an "F1" fall. The same lanyard clipped on at foot level will allow a 3 m fall which is referred to as a "F2" fall. Users should try to ensure that their fall will not exceed an "F1" fall.
- ✓ The entire lanyard [including connectors and absorbers] must not exceed 2 m. Check ground clearance too as energy absorbers require stated minimum clearance distances.
- ✓ Always inspect your lanyards thoroughly before use for signs of wear, dirt and grit, UV degradation [fading], nicks and tears, and corrosion in the fittings. Failure can happen in a fraction of a second without any second chances. Clean your equipment after use and dry it before storing.
- ✓ IRATA is the highly regarded training body, and anyone working at height should be trained to do so.

Petzl Absorbica

Now much more compact, the Absorbica is an energy absorber designed to be used in combination with a Jane lanyard and make a fall arrest lanyard.

The Absorbica works by the progressive tearing of the absorber webbing which limits the impact force of a fall. For users weighing between 60 and 140 kg. The fabric outer pouch has an opening for regular inspection. Conforms to CE EN 355.



NEW

code	price
PETL010AB00	£39.00

Delta Pattern

This black 8 mm Delta Maillon Rapide is the preferred connector to link the Petzl Absorbica to the Jane lanyard. Conformity: EN 12275:1998 and EN 362. For other Delta Quick Links see page 205.



PPE

code	Type	gate opening	WLL	bar ø	price
WIR252B	PPEDZ08N	10mm	550kg	8mm	£6.88

Petzl Absorbica I Type

Single lanyard with integrated Absorbica which absorbs energy in case of a fall.

For users weighing between 60 and 140 kg. Available on its own for you to use your own locking carabiner or with MGO Open with a large gate opening. Conforms to CE EN 355.



NEW

code	description	price
PETL011AB00	Absorbica Type 80 cm	£51.00
PETL011AB00K	Absorbica c/w Petzl MGO Open 60 Connector	£111.00

Petzl Absorbica Y Type

Double lanyard with integrated Absorbica which absorbs energy in case of a fall. Designed for progression on a vertical structure or horizontal lifeline. For users weighing 60 and 140 kg. Available on its own for you to use your own locking carabiners or with MGO Opens with a large gate opening. Conforms to CE EN 355.



NEW

code	description	price
PETL012AB00	Absorbica Y Type	£63.00
PETL012AB00K	Absorbica c/w MGO Open 60 Connector	£123.00

SMALL TOOL LANYARDS

Dropped tools are the second largest cause of fatalities in the UK workplace. The lanyards below are designed to secure small tools such as podgers or power tools whilst working overhead. Check the lanyard chosen is suitable for the tool weight. Beware of using lanyards that are too strong just in case the lanyard becomes entangled in machinery, it would be better for the lanyard to fail rather than have it drag the user into the sausage-making machine.

Small Light Duty Lanyard

Compact, light duty lanyard for small tools up to 500 g. Snap hook attachment one end & rope loop on the other, both spin 360° to avoid tangling. Made from polyurethane coated stainless steel wire. Maximum Working Extension: 66 cm Coiled Length: 260 mm



NEW

code	price
TOPSFC206BK	£6.39

Clip Sprung Tool Lanyard

An expanding sprung lanyard with special quick tool attachment which allows tools to be easily changed without needing the usual wire loop. 470 mm long expanding to 1,700 mm. 3 mm Ø. Stainless steel wire core. Charcoal black. Highly recommended. Max load: 1 kg.



code	Colour	price	10+	50+
SAFAR430B	Charcoal black	£14.35	£12.92	£11.20

Long Lightweight Sprung Tool Lanyard

A purple sprung lanyard which is very lightweight at just 45 g making it ideal for work at height – well, it all adds up! Expands from 490 to 1,820 mm. Supplied with wire loop for podger attachment and two snap shackles. 2.5 mm Ø. Kevlar core. Max load: 1 kg.



code	Colour	price	10+	50+
SAFARK10K	Purple	£14.35	£12.92	£11.20

Heavy-Duty Sprung Tool Lanyard

A substantial lanyard, 410 mm long expanding to 1,400 mm. 5 mm Ø. Supplied with two snap shackles but no wire loop. Stainless steel core. Max load: 3 kg.



code	Colour	price	10+
SAFARS30B	Black	£14.95	£13.45

Ergodyne Barrel Lock Lanyard

This lanyard expands from 890 mm to 1,100 mm. With a barrel lock to fit to small tools such as hammers and quad spanners. Max load: 2.26 kg.



code	price
ERGE3100STD	£9.32

Ergodyne Squids® Detachable Karabiner Tool Lanyard

Lightweight shock absorbing tool lanyard with karabiner with captive eye on one end and detachable loop on the other, reduces the dynamic force on the body or other anchor point. The durable polyester elastic extends from 960 mm to 1370 mm. Max load: 2.3 kg.



code	price
ERG19864	£11.12

Ergodyne Squids® Retractable Tool Lanyard

Retractable tool lanyard with a manual locking stainless steel karabiner attachment on both ends. Locks into place at desired length. Includes female buckle attachment on the cord to easily switch tools with male buckle attachment. SPECIFICATIONS: Max length: 1.22 m, Max load: 0.45 kg.



code	price
ERG19300	£34.17

Ergodyne Squids® Tool Wrist Lanyard

Polyester webbing cuff secures to wrist while the barrel lock secures to the spanner or small tool. Max load: 0.9 kg.



code	description	price
ERGE3115SM	Small/med wrist	£2.57
ERGE3115LXL	Large/XL wrist	£2.57

Ergodyne Squids® Pull-on Wrist Lanyard

The modular buckle connection makes it easy to switch between tools with buckle attachments. One size fits all. Max load: 1.4 kg



code	price
ERG19057	£7.43

LANYARDS & ANCHORS / MOBILE FALL ARREST

Ergodyne Squids® Dual Clip Grabber

Grabbers keep your gloves, keys and whatever else always seems to mysteriously disappear close at hand. This versatile dual clip version can be used as one unit or detached, clipped to D-rings and used as two separate pieces.



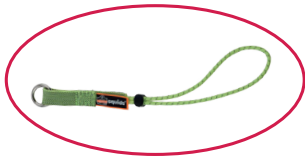
code	price
ERG19112	£2.84

SMALL TOOL ATTACHMENTS

Ergodyne Squids® Elastic Tool Tails

As well as being used as an anchor point on a belt, harness or separate structure, these tool tails can provide retrofit O-Ring attachment points to tools and equipment up to 6.8 kg. They can be attached to tools with Tape Trap or Shrink Trap.

Length: 280 mm [extended: 460 mm]



code	description	price
ERG19767	pack of 3	£9.50

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.



code	description	price
ERG19325	Pack of 3	£22.37

Ergodyne Squids® Tool Connectors Web Tool Tails

These ultra strength 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.



code	description	size	price
ERG19703	6 pack	90mm	£7.43
ERG19705	6 pack	140mm	£7.43
ERG19708	6 pack	215mm	£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.



code	price
ERG19068	£5.99

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.



code	price
ERG19755	£25.79

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.



code	description	length	fits tool diameter	price
ERG19723	S	76mm	19-38mm	£8.42
ERG19724	M	101mm	125-175mm	£10.04
ERG19726	L	152mm	44-63mm	£14.63

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 semistatic rope [EN 1891 type A] from 10 mm to 13 mm diameter [page 222].



- ✓ 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.

code	price
PETB071BA00	£190.00