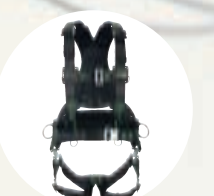


Fall Protection

CONSTRUCTION
TELECOMMUNICATION
ELECTRICITY
WIND ENERGY
OIL & GAS
TREE PRUNING
TECHNICAL ACCESS AND RESCUE



ABOUT SPERIAN PROTECTION

Global leader in personal protective equipment

Sperian Protection is the global expert in Personal Protective Equipment, designing and manufacturing high-value-added equipment and services that protect people at work or in any hazardous environment. An established player in the industry, we apply our sound knowledge of customers' environments to serve all industries with a wide portfolio of trusted safety solutions that users want to wear. Marketed under leading and recognised brands, our equipment not only offers reliable protection, but is also appropriately engineered for performance, comfort, user fit and aesthetics.

Sperian Protection at a glance

Our expertise and ongoing research for innovation are focused on three fields: head protection (eye and face, hearing, respiratory, gas detection instrumentation), body protection (clothing, safety footwear, protective gloves), and safety at height. In all categories, we offer Protection You Can Trust. With sales offices and factories worldwide, we offer safety solutions that conform to global standards (CE, OSHA, CSA, ANSI, AS/NZS). Sperian Protection is an international organisation with about 6,000 employees in 26 countries. The Group's production plants and labs are scattered around the world, 27 production sites on 5 continents.

- Number 1 worldwide in safety at height
- Number 1 worldwide in eye and face protection
- World's second-largest manufacturer of hearing protection products
- One of the world's leading manufacturers of respiratory protection



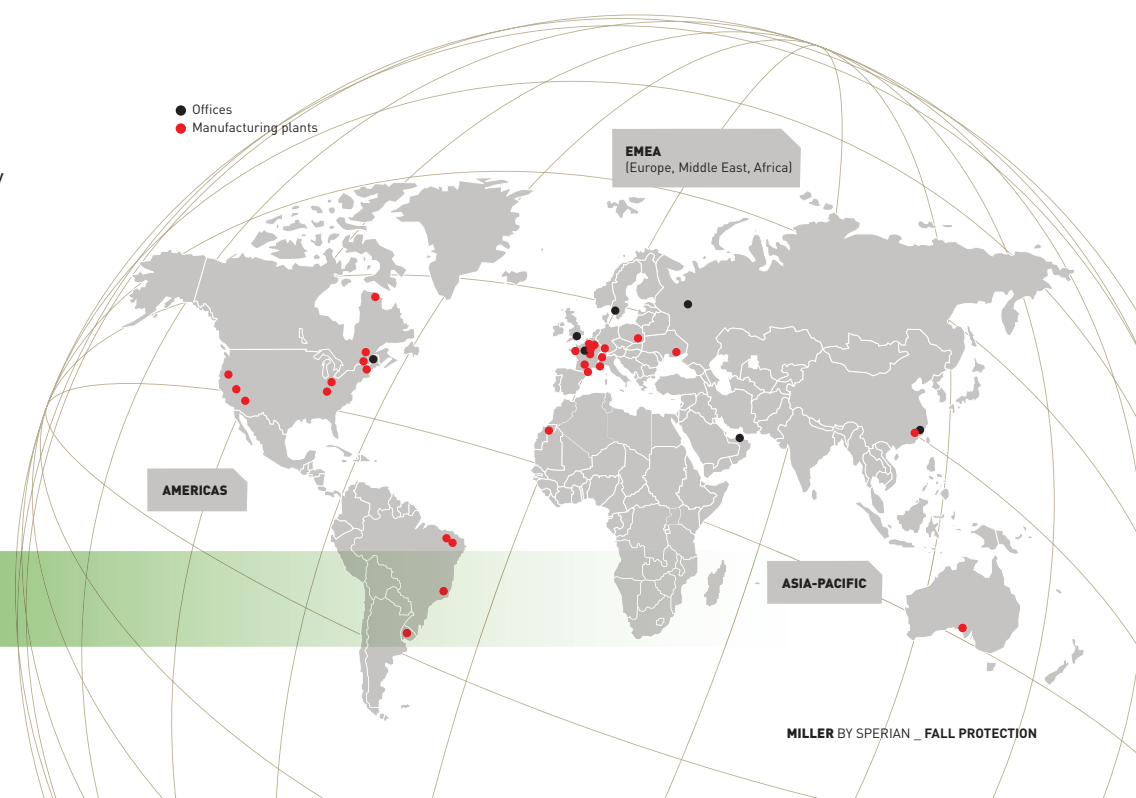
Global presence

A market leader in Fall Protection, our Group has a worldwide presence. It operates in all continents with solid industrial capabilities. Our dedicated sales teams work closely with customers all over the world to provide and deliver the right safety solutions for their environment. They are supported by a market-driven organisation, able to supply premium service with three regional, state-of-the-art distribution centres covering the Americas, Europe, the Middle-East and Africa, and Asia-Pacific region.

Who are we? Increasing safety and productivity through innovative products

Miller Fall Protection has been meeting market demands for fall protection since 1945. We take particular pride in bringing to the market innovative solutions that not only enhance safety and productivity, but increase user acceptance and lower overall cost.

Today, with a range of more than 500 products, the Miller brand offers the most extensive selection of premium fall protection, confined space and rescue equipment of any manufacturer worldwide. Miller fall protection products, from full body harnesses, self retracting lifelines, lanyards, anchorage points, rope and rescue devices... meet regulations and standards applicable in different countries (CE, OSHA, ANSI, AUS/NZ, CA, IRAM and GB).



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Safety at Height

Miller... Synonymous with Safety, Quality, Reliability and Innovation. Working at height is defined as any working place where, if precautions are not taken, a person could fall causing serious injuries or death.

► The Legislation

European legislation states that fall protection measures must be put in place by the employer of any person working at a height where a fall hazard exists. The regulation also requires that people involved in work at height are competent to do so or if in training, are supervised by a competent person. If it is not feasible to eliminate the hazard using a collective system then personal protective equipment (PPE) must be selected and used. It could be for restraint, work positioning, rescue or fall arrest purposes. This system consists of a full body harness, an intermediate attachment and an anchorage connector. The systems can only be used if a suitable anchorage point is located close to the work area.

► Quality

Miller products are designed and tested by full-time, qualified engineers and technicians at a state-of-the-art, in-house testing facility, which not only verifies that specific standards are achieved but often tests beyond the standards to assure the ultimate in safety performance. In addition, core Miller products are third-party tested by independent sources to further certify compliance.

Sperian Fall Protection has successfully earned and continues to retain ISO 9001 certification at its manufacturing facilities. Miller has undergone the most stringent requirements for design and development, production and service, proof of our unwavering and ongoing commitment to consistent quality products and services.

► Product Innovation

- Miller products are developed in collaboration with workers to fit to their need to provide innovative solutions. Product innovations and industry firsts:
- **Miller Revolution™ Harness:** engineered with 5 patents and more than 11 key product features
 - **TurboLite™ Personal Fall Limiter:** unique alternative to shock-absorbing lanyards usable in FALL FACTOR 2
 - **Falcon™:** most rugged line of composite self retracting lifelines on the market: No annual recertification
 - **Edge tested range:** lanyards, Manyards and self retracting lifelines resistant to failure on edges break
 - **Miller SafEscape ELITE™ Rescue/Descent device:** the next generation device for rescue and emergency solutions

► Expertise in comprehensive problem solving

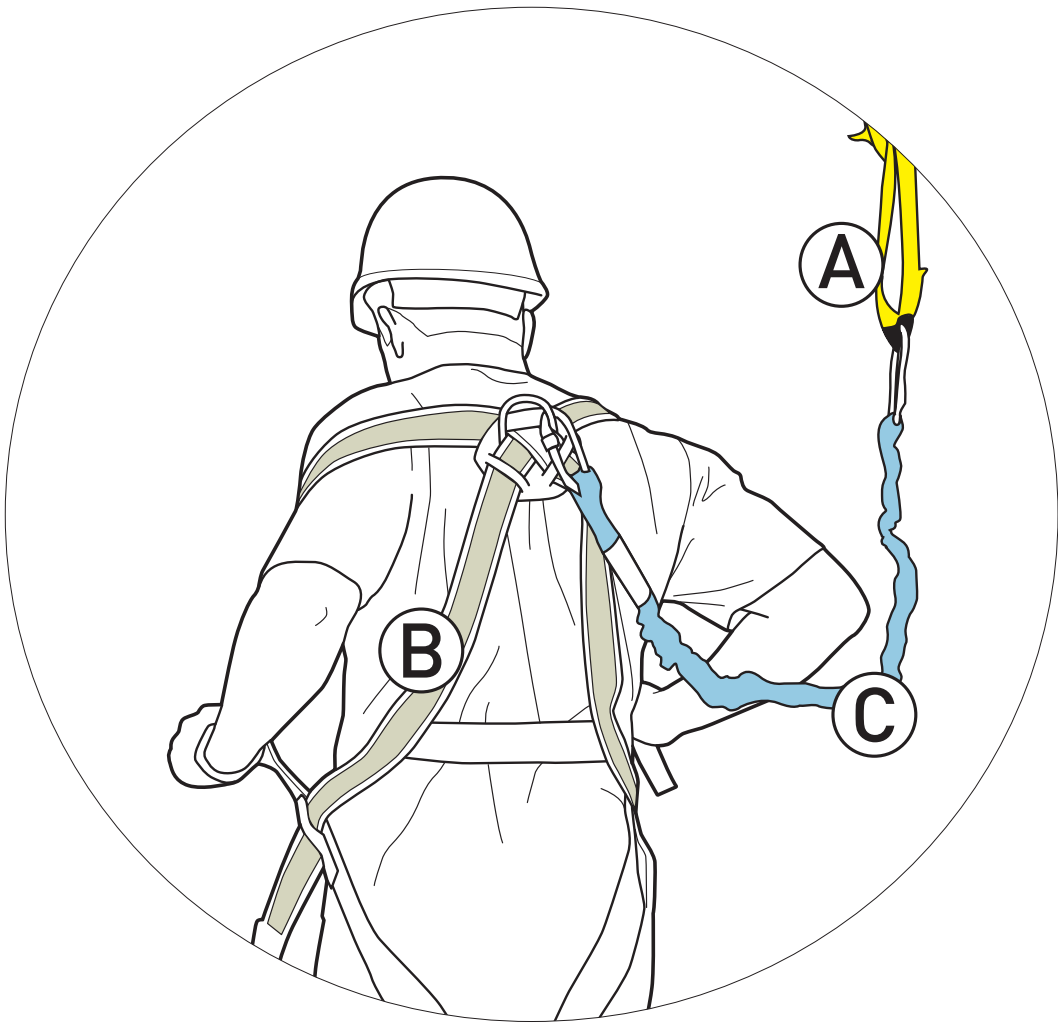
With our goal of being your comprehensive problem-solving provider, we are committed to meet your fall protection needs with innovative safety solutions mixing products and services such as training, hazards identification and tailor made products.

► Worldwide network and availability

With sales offices and training centres throughout the world, Miller is supported at a local level by our highly trained field sales force and dedicated technical support and customer service resources assuring reliable solutions to the most complex and technical requests.



All products are CE certified



The ABC's

A simple way of remembering the core components of a fall arrest system is the “ABC” of Fall Arrest. Quite simply, without one part, the system does not work.

A ANCHOR DEVICES

Definition: Used to join the connecting device (work restraint, fall arrester) to the anchorage, commonly referred to as the “tie-off point” (I-beam, scaffolding or other structural point)

Anchor devices may be one of the 2 types:

- 1 • Permanent anchor devices (e.g. horizontal cable lifeline, horizontal rail systems...)
- 2 • Temporary anchor devices (e.g. steel strops, scaffold hooks, webbing anchorage slings, beam grips and dead-weight anchor...)

B FULL BODY HARNESS

Definition: Used to hold a worker during & after a fall

- Full body harness must be worn for Fall Arrest situations
- Work restraint belts cannot be used for Fall Arrest

C CONNECTING DEVICES

Definition: Used as intermediate attachment to connect the worker's harness to the anchor device (e.g. shock absorbing lanyard, self retracting lifeline, fall limiter, rope grab etc.)

Connecting devices may be one of the 2 types:

- 1 • Fall Restraint: a fall restraint system prevents workers from reaching a hazard
- 2 • Fall Arrest: a fall arrest system allows workers to reach a hazard and then protects them if they should fall

Working at height categories

Your working at height environment reflects the equipment that must be used. The categories summarised below have been defined by European Standards and are used as the base for work at height operations.

FALL ARREST

Equipment used to stop falling worker in the event of a fall from height.

Typical Fall Arrest System consists of:

- Anchor devices
- Full body harness
- Connecting devices

WORK POSITIONING*

Equipment holding an operator in their place of work.

Typical Work Positioning System consists of:

- Anchor devices
- Full body harness with a positioning belt
- Connecting devices (work-positioning lanyard)

WORK IN SUSPENSION*

Designed to lower and support a worker, allowing a hands free work environment.

Typical Suspension System consists of:

- Anchor devices
- Full body harness
- 2 ropes
 - equipped with a descender
 - equipped with a rope grab

WORK RESTRAINT

Equipment used to prevent the worker from approaching a position from which they can fall.

Typical Work Restraint System consists of:

- Anchor devices
- Work restraint belt or full body harness
- Connecting devices (restraint lanyard)

RESCUE

Rescue & Evacuation of an injured high access worker is mandatory consideration for work at height operations.

Typical Rescue System consists of:

- Rescue & evacuation device

HARNESS TYPE	European Standard	Work Restraint	Work Positioning	Fall Arrest	Work in Suspension	Rescue
Work Positioning Belt	EN 358	ok	ok			
Full Body Harness	EN 361	ok		ok		
Full Body Harness	EN 361/EN 358	ok	ok	ok		
Multifunction Full Body Harness	EN 358/EN 813 EN 361	ok	ok	ok	ok	ok

* The positioning and suspension systems are not designed for Fall Arrest. A back-up Fall Arrest system must be used.

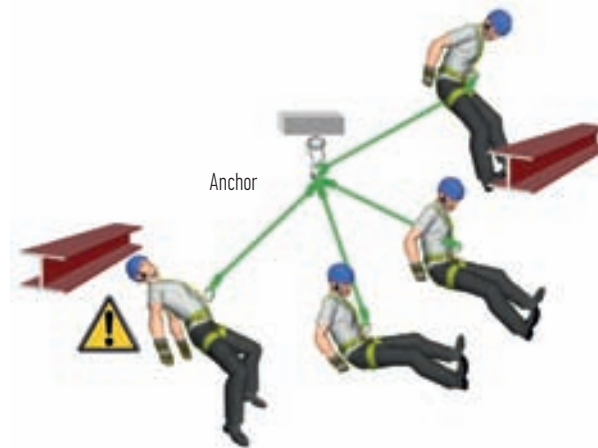
Fall Protection Fundamentals

Getting to grips with the work hazards!

There are **three fall factors** in fall arrest that relate to the position of the anchorage point. They are used to **determine the potential fall distance of a worker** and so ensure that there is no risk of contact with the lower level in the event of a fall. When possible, the worker should always use an anchorage point at shoulder level or above (Factor 1 or 0). A higher anchorage point will reduce the fall distance and therefore significantly reduce the risk of injury on the body due to the impact forces of a fall.

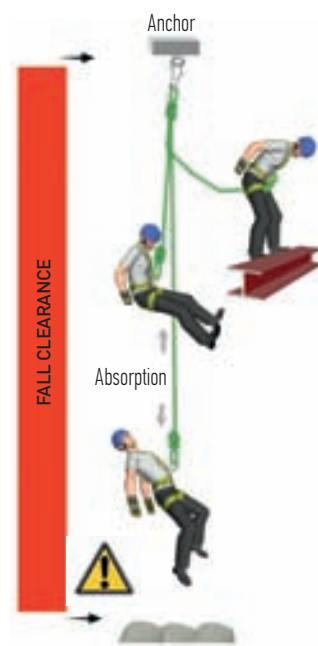
▼ Fall clearance calculations

This is the distance a person will fall when connected to a fall arrest attachment point. It is related to the Fall Factors (see Fall factor). Many situations can develop and it is ultimately the responsibility of the worker to ensure that there is a suitable fall clearance available. In order to calculate this, the worker must know the distances specified below, and it is also strongly recommended they attend a Miller safety at height training course.



▲ The Swing factor

If the lifeline is not anchored vertically over the working place, the worker will swing laterally in the event of a fall and may be injured by hitting either the ground below or an obstacle to the side of him. If it is not possible to use an anchorage point close to the work station, two anchorage points either side of the worker can be used to prevent any swing.



The calculation below gives the minimum fall clearance required between the anchorage point of the lanyard and the lower level.

- Twice the length of the lanyard: length of the lanyard and the height of the worker
- +1.75m deceleration distance to allow for the elongation of the shock absorber
- +1m safety margin

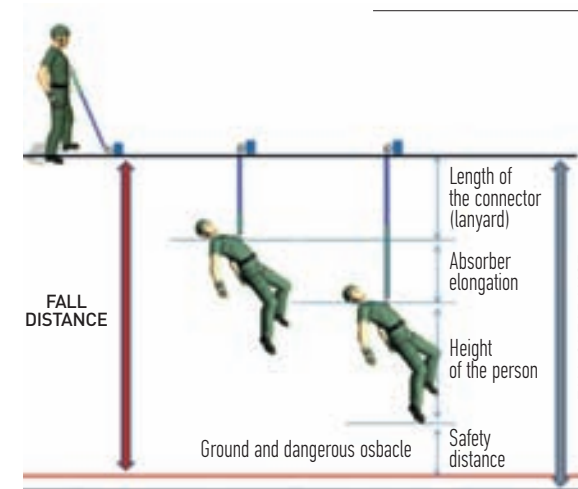
】 Fall Factor 2 = 2 x lanyard lengths + 1.75m (max. Energy absorber) + 1m safety

Example: 2m lanyard
 $(2 \times 2) + 1.75 + 1 = 6.75\text{m}$

】 Fall Factor 1 = 1 x lanyard length + 1.75m + 1m safety

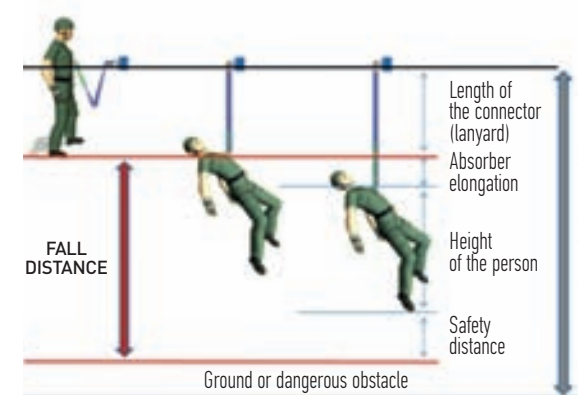
Example: 1.75m lanyard
 $1.75 + 1.75 + 1 = 4.5\text{m}$

Understand your fall factors to reduce the risks!



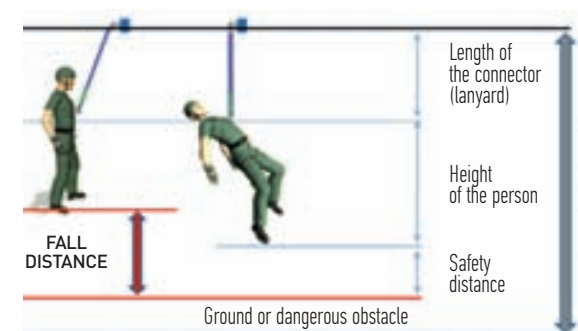
◀ Fall Factor 2

Anchor point is at or below the feet of the worker allowing a fall equivalent to twice the length of the lanyard before the energy absorber deploys (max. 1.75m) to arrest the fall.



◀ Fall Factor 1

Anchor point is level or above the harness attachment point allowing a fall equivalent to the length of the lanyard before the energy absorber deploys (max. 1.75m) to arrest the fall.



◀ Fall Factor 0

Anchorage is overhead and the lanyard is taut between the anchorage point and the worker. The fall clearance is reduced as shown, with a maximum fall distance of 1.75m (the length of shock absorber, if deployed).

IF IN DOUBT: FALL LIMITERS REDUCE FALL CLEARANCE ◀ 3M

A fall limiter or self-retracting lifeline will stop a fall in centimetres and is therefore the ideal solution for low-level work where a shock-absorbing lanyard is unable to stop the worker from hitting an obstacle below.



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CONSTRUCTION



WIND ENERGY



ROPE ACCESS



TELECOMMUNICATION



OIL & GAS



CONFINED SPACE



ELECTRICITY



INDUSTRY



RESCUE

Roofing

The installation, maintenance or removal of roof coverings, guttering etc, as well as the movement of persons along a roof can prove particularly hazardous. Falling through a weak roof structure or slipping down a sloping roof can typically lead to serious injury or fatality. Where scaffolding, guardrails, safety nets or similar collective

fall protection methods are not feasible, the person should wear fall protection equipment or restraint equipment, attached to a reliable anchorage point. This suitable anchorage point and restraint or fall protection equipment depends on the type of work and roof: flat or sloping roof, whether on edges or with a limited access area.



REF.	PRODUCT
A	10 028 47 DuraFlex® MA02 harness (See p43)
B	10 117 42 Falcon™ block (See p58)
C	10 082 73 Restraint lanyard (See p72)
D	10 076 10 Serpent temporary lifeline (See p84)
E	10 029 16 Webbing sling (See p82)
F	10 118 95 Roofing kit (See p95)
G	10 117 21 Throwing line
H	10 031 82 Throwing Bag
I	10 179 16 Edge Manyard® (See p75)



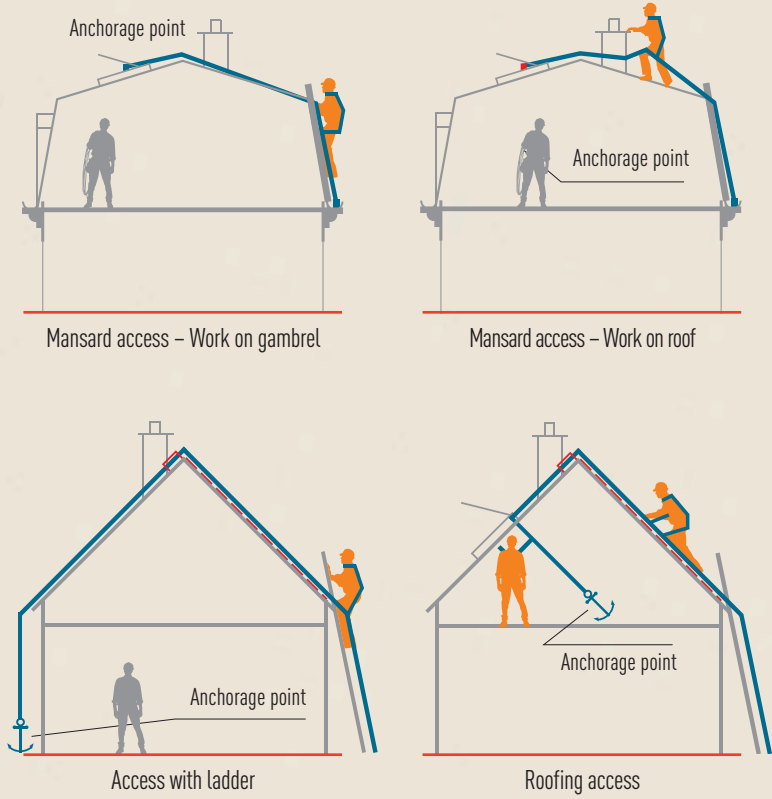
Sloping Roofs

When accessing a roof for maintenance, framing, roofing, etc. it will often be necessary to work on a sloping roof. Normally, sloping roofs are found in domestic construction when building houses or undertaking roof maintenance for water tightness, etc. For these operations workers need specific fall protection equipment and accessories to create anchorage points to work safely at height. For occasional use, workers may use a temporary anchorage line and rope grab. For long term use, a temporary lifeline should be installed.

- Steps to install lifeline**
- 1 • Create safe anchorage point on the ground or frame
 - 2 • When needed, throw the line over the window or over the roof
 - 3 • Fix the anchorage line – if throwing line used, attach the anchorage line to the throwing line and pull it back
 - 4 • Fix the rope to the anchorage point created
 - 5 • Connect your harness to the rope grab
 - 6 • Access the work area



REF.	PRODUCT
A	10 142 37 Miller Revolution™ R2 harness (See p42)
B	10 076 40 Stick run (See p78)
C	10 076 14 Anchorage line 20m (See p79)
D	10 076 10 Serpent temporary lifeline (See p84)
E	10 118 95 Roofing kit (See p95)
F	10 117 21 Throwing line
G	10 031 82 Throwing Bag



Steel Erector

During the erection of steel frameworks, the operator is exposed to narrow working surfaces at height. Particular fall hazards exist as further materials are added onto the steel (roof, concrete) as the worker is exposed to an unprotected leading edge. Work is usually carried out at the top level of the structure and so an anchorage point

above foot level is often unavailable – This leads to safety issues in terms of potential fall clearances and increased fall arrest forces. Much of the steelwork is erected from mobile elevating work platforms. Fall protection equipment is recommended to ensure the safety of the operators.



REF.	PRODUCT
A	10 028 47 DuraFlex® MA02 harness (See p43)
B	10 180 13 TurboLite block (See p61)
C	10 179 16 Manyard® edge (See p75)
D	10 076 10 Serpent temporary lifeline (See p84)
E	10 029 16 Webbing sling (See p82)
F	10 070 66 Beam glide connector (See p84)



Scaffolding

Fall arrest equipment is worn by the scaffolder during the erection, alteration and dismantling of scaffolding. The scaffolder is limited in the choice of anchorage point. It is important to use an anchorage point as high as possible in order to reduce the space clearance and the risk of injury in the event of a fall. Nevertheless, there are usually no

anchorage points above the worker when erecting scaffolding; scaffolder is limited to a Factor 2 connection below the feet. Comfort and full freedom of movement are essential for the scaffolder, who will wear this equipment all day long. It is necessary to use products tested and conforming to fall factor 2 when connecting at foot level.



REF.	PRODUCT
A	10 142 37 Miller Revolution™ R2 harness (See p42)
B	10 180 13 TurboLite block (See p61)
C	10 297 16 Twin Turbo system (See p61)
D	10 104 70 Barracuda (See p74)
E	10 168 47 Edge lanyard (See p75)
F	10 281 34 TurboLite kit (See p94)



CONSTRUCTION

Pylons & Towers

For maintenance work on towers and pylons, made of steel, wood or concrete, the operator is required to temporarily access the structure. Access may be made possible by means of a permanent fall protection system such as a rigid rail system, or by a temporary rope anchorage line or use of forked lanyard technique to climb. The choice of anchor points and the setting up of the rope are important stages. When a lead climber moves up a structure, the risk of a fall is present. Once the rope is set by the lead climber the other climbers can ascend

the structure protected by this anchorage line. The ultimate Telecom worker's harness is Revolution™ with the PivotLink™ connection located at hip level for a smooth movement during ascent or descent. Pylon work can be, physically demanding and the duration of the work can be a significant factor. Once in position on the structure, the worker requires a reliable hands-free fall protection system that allows a wide range of movement using a work-positioning lanyard and a suitable harness.



REF.	PRODUCT
A	10 034 39 RM harness (See p46)
B	10 142 52 Miller Revolution™ R5 harness (See p47)
C	10 032 33 Forked lanyard (See p71)
D	10 076 40 Stick run (See p78)
E	10 076 14 Anchorage line 20m (See p79)
F	10 053 24 Miller Manyard® (See p74)



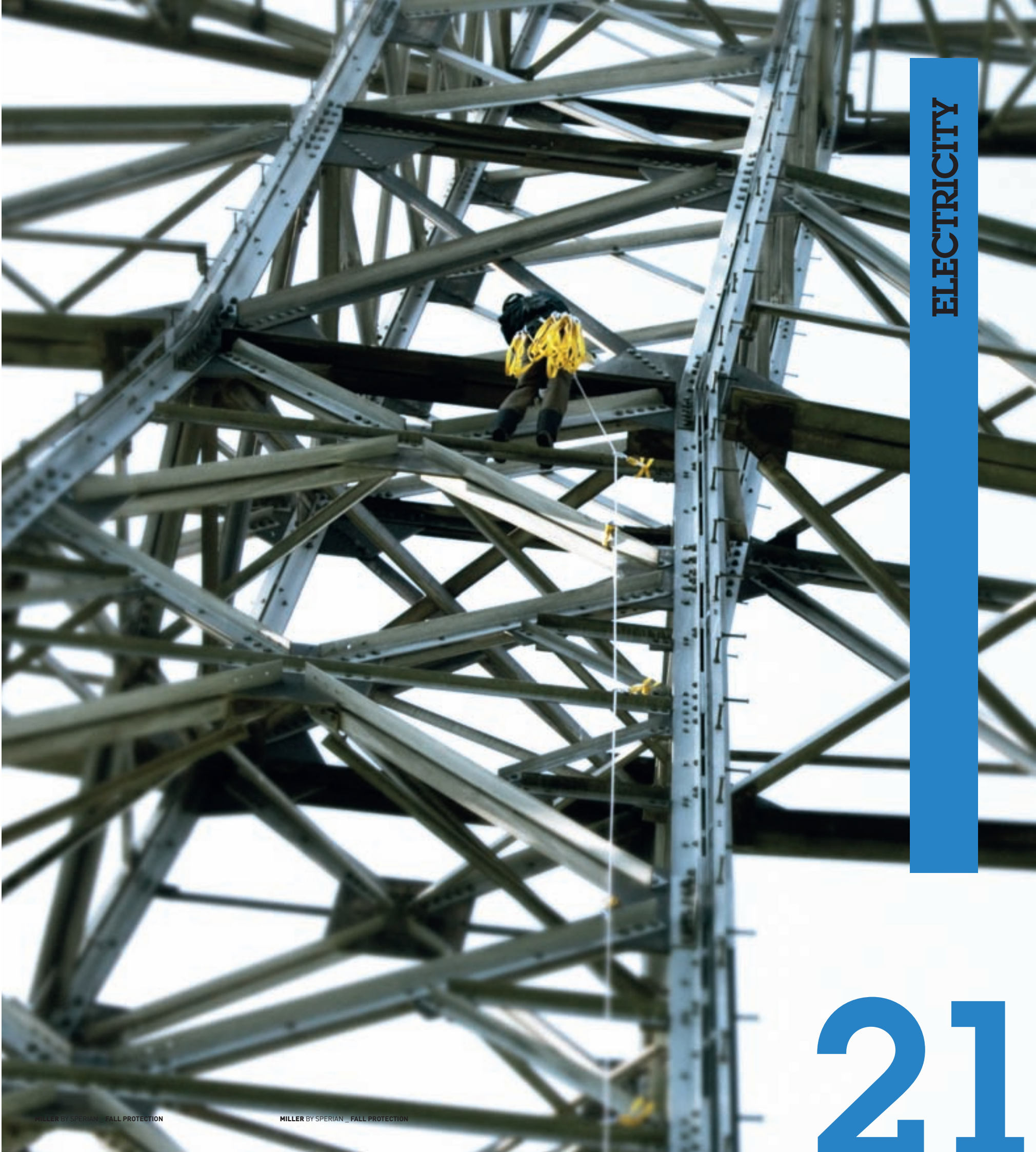
Transport

Access to a high tension electricity pylon from below is often problematic and the choice of anchor points and setting up the rope are important stages. It must be accessible, both ascending and descending, to carry out maintenance and repair operations. In order to set up an anchorage line, the worker can use a double-legged lanyard climbing technique to install a progressive lifeline from the ground. Access to height is achieved using several techniques (lifelines, systems, etc.) to which

workers can be secured in a fall protection system. Once at height, there are no working platforms and the worker must have full freedom of movement to twist and reach the work sites, as well as maximum support when reaching out and using tools with an extension pole. In case of emergency, workers must have equipment available to evacuate the structure or to carry help to a casualty of a fall.



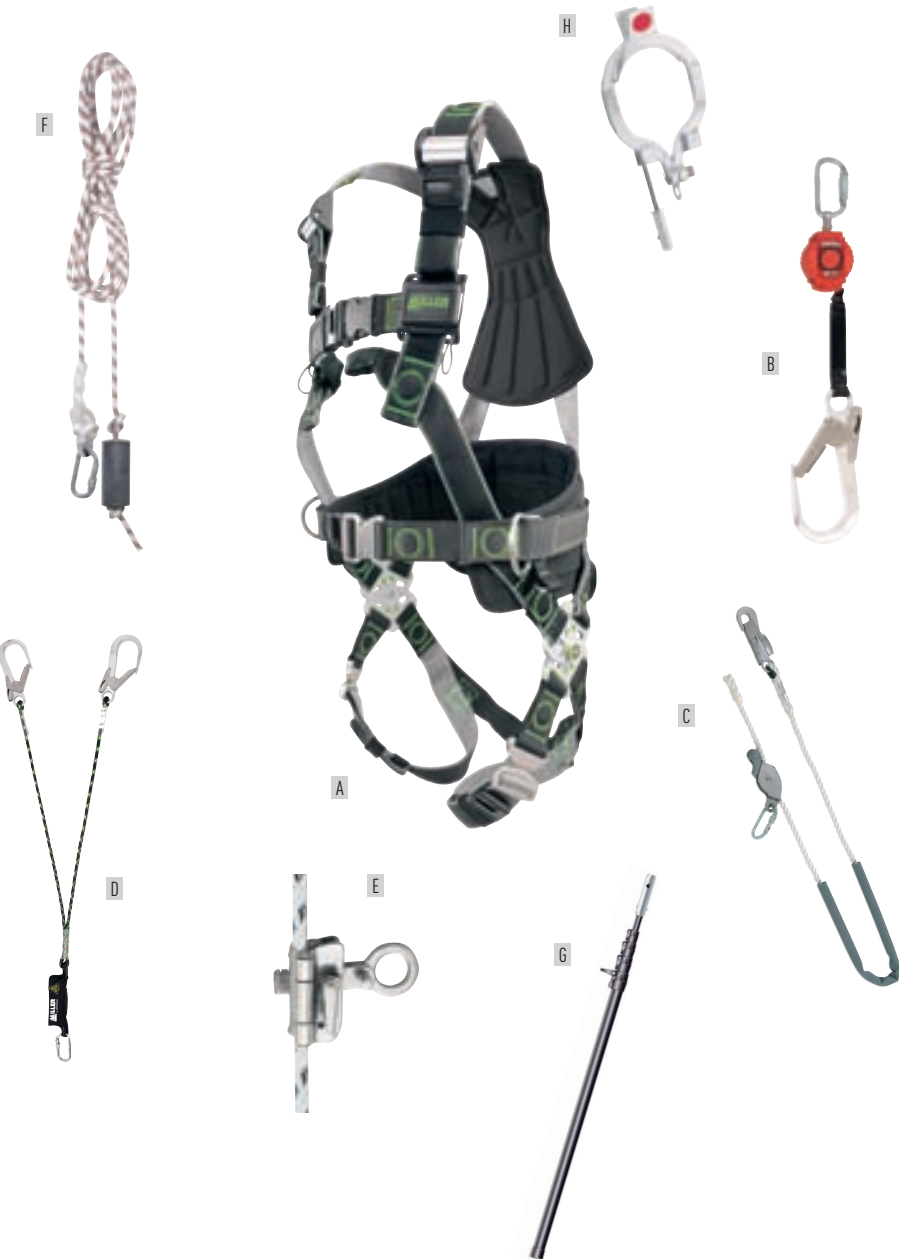
REF.	PRODUCT
A	10 142 52 Miller Revolution™ R5 harness (See p47)
B	10 180 13 TurboLite block (See p61)
C	10 117 42 Falcon™ block – certified for horizontal application with steel sling 10 028 97 (See p58)
D	10 031 11 Reglex 3000 (See p73)
E	10 032 33 Forked lanyard (See p71)
F	10 076 40 Stick run (See p78)
G	10 076 14 Anchorage line 20m (See p79)
H	10 029 16 Webbing sling (See p82)
I	10 029 79 Telescopic pole (See p84)
J	10 028 99 Crochevit (See p83)



Distribution

Distribution activity involves channelling the electricity sold by the various energy suppliers to end-customers: domestic, industrial, retail, etc. Poles (made of concrete, wood or steel) are intended to support medium & low tension power lines. The structure of a pole is not ideal for climbing and this can be physically demanding, so the

duration of the work is important. As a consequence fall protection and work positioning equipment must be specifically adapted for use on a pole. In position, the worker requires a reliable hands-free fall protection system that allows him a wide range of movement.



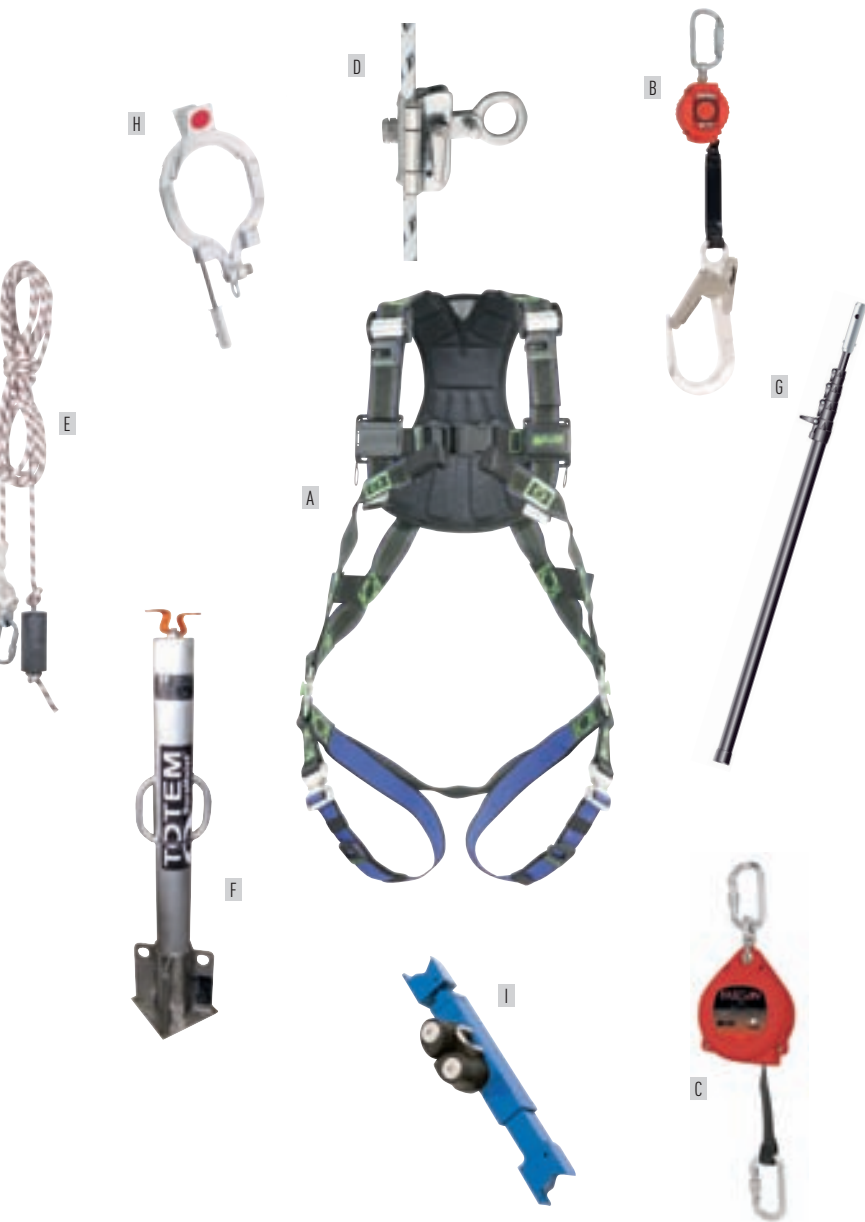
REF.	PRODUCT
A	10 142 52 Miller Revolution™ R5 harness (See p47)
B	10 180 13 TurboLite block (See p61)
C	10 031 11 Reglex 3000 (See p73)
D	10 168 50 Edge forked lanyard (See p75)
E	10 076 40 Stick run (See p78)
F	10 076 14 Anchorage line 20m (See p79)
G	10 029 79 Telescopic pole (See p84)
H	10 028 99 Crochevit (See p83)



Transformers

On the electricity distribution route, from power stations to end customers; domestic, industrial, retail, etc. different transformers are used to amplify or reduce voltage at stages along the network from very high power to medium and low power. The size and height of transformers depends on the power level to be transformed. Each transformer must be accessible, both ascending and descending, to carry out maintenance operations

(replacement of insulator, repair work, painting...). Hazards on transformers include edges, electrical arc and limited clearance. Safe access and maintenance work on electricity transformers is a key issue. The Totem DuraHoist anchorage has been especially designed to provide a safe anchorage point during maintenance work on electricity transformers.



REF.	PRODUCT
A	10 142 36 Miller Revolution™ R2 harness (See p42)
B	10 180 13 TurboLite block (See p61)
C	10 167 95 Falcon™ block 6M (See p61)
D	10 076 40 Stick run (See p78)
E	10 295 02 Anchorage line 20m (See p79)
F	10 295 02 10 295 03 TOTEM DuraHoist anchorage (See p84)
G	10 029 79 Telescopic pole (See p84)
H	10 028 99 Crochevit (See p83)
I	10 029 97 KIT BLOCK (See p97)



Tower – Nacelle

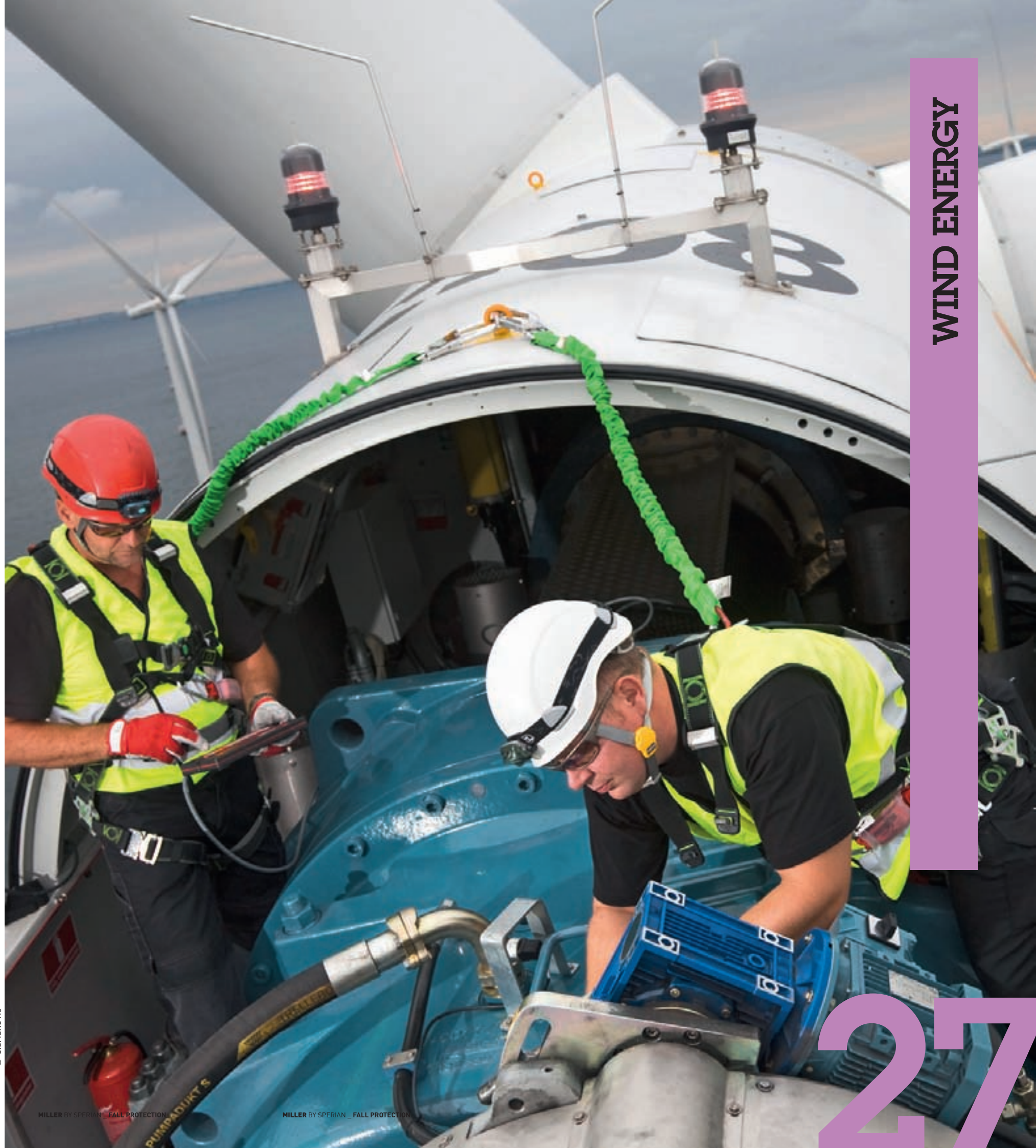
The rapidly growing Wind Energy Industry presents a variety of safety challenges for those working at height. Whether in turbine construction, maintenance or rescue/evacuation, providing solutions that enhance worker safety in the wind energy industry is a key objective for Miller. In particular providing lightweight and comfortable

equipment, quick-operating descent devices along with self-rescue equipment, a range of anchor points/connectors for safe access, vertical rope lifelines and rope grabs for special applications that conform to international standards and are resistant to the rigorous conditions of work in onshore and offshore windmills.



REF.	PRODUCT
A 10 148 08/WIND	Miller Revolution™ R7 WIND harness (See p45)
B 10 148 08/OFFS	Miller Revolution™ R7 OFFS harness (See p45)
C 10 179 16	Manyard® edge (See p75)
D 10 297 16	Twin Turbo system (See p62)
E 10 288 12	Falcon™ block Offshore kit available on demand. (See p58)
F 10 297 85	SafEscape ELITE Rescue/Descent device (with 180m rope) (See p88)

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WIND ENERGY

Production & Loading Bay

When working in an explosive atmosphere, ATEX certified fall protection products and systems should be installed and used in areas including loading bays, production sites and storage tanks to secure operators working on top of tankers or at height in refineries, to protect against the risk of a fall. Solutions developed by Miller have been designed to:

- Avoid the risk of explosion due to sparks.
- Avoid electrostatic discharge: In an explosive environment, any object or person who is potentially

charged with electricity may cause a static discharge and risk explosion when in contact with a person or object with a different electric potential.

Miller, in order to respond to this risk, has created a complete fall protection system that meets the CE EN795 class C standards for lifelines, EN361 for harnesses and EN360 for fall arrest blocks as well as the European directive ATEX 94/9/EC according to EN13463-1 (2001) and EN13463-5 (2005) standards.



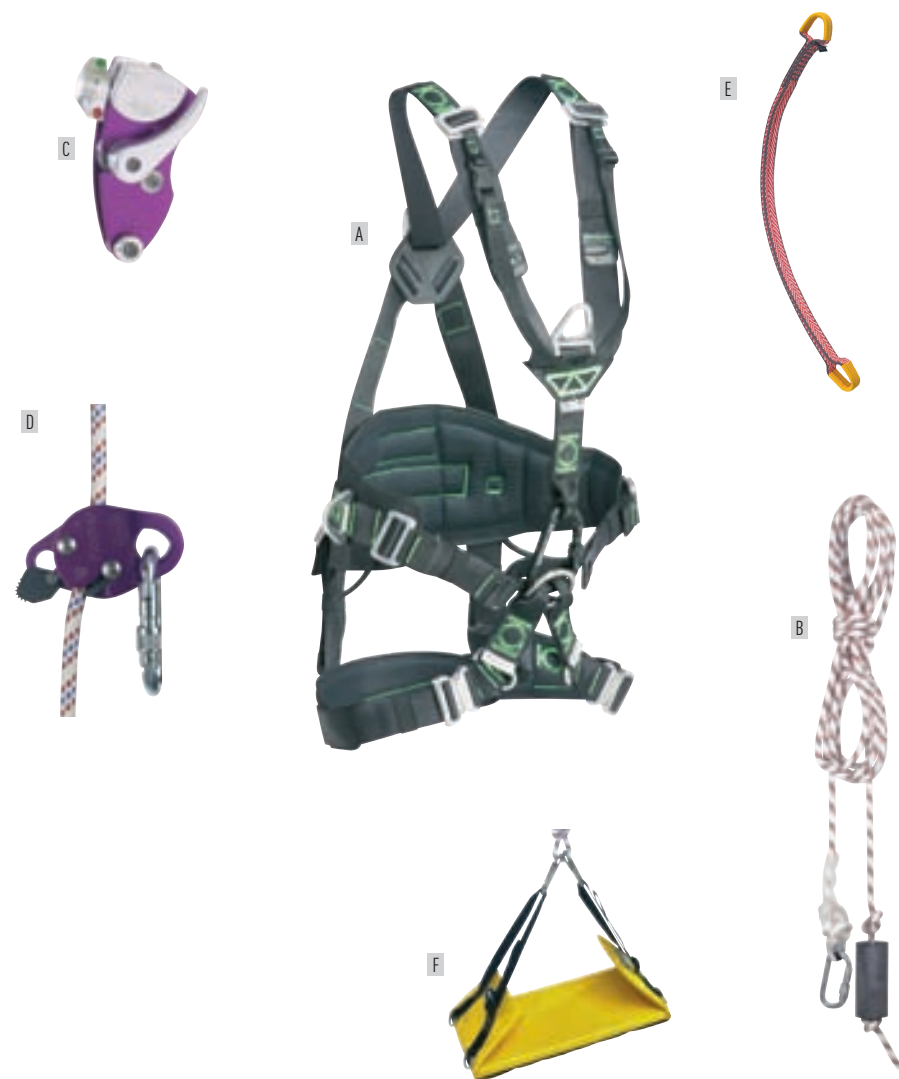
REF.	PRODUCT
A	10 150 75 ATEX Harness (See p44)
B	10 158 59 Forked ATEX lanyard (See p71)
C	10 179 21 ATEX Falcon™ block (See p58)



Rope Access

Rope access is the means of accessing difficult areas or areas normally inaccessible by conventional means. It involves work in suspension through the use of a personal positioning system. The worker requires a high degree of competence and must undertake suitable training to ensure the task is carried out safely. The Miller brand provides technical harnesses and hardware to perform

in all environments and is ideally suited to the vertical world of industrial rope access. The list below provides the basic personal protective equipment required for an operator to work in this environment. Depending on the duration of the suspension period, it is essential to choose a suitable harness: a harness featuring a rigid seat may be a better and safer solution.



REF.	PRODUCT
A	10 144 32 Ropax harness (See p50)
B	10 076 14 Anchorage line 20m (See p79)
C	10 070 57 ProAllp (See p87)
D	10 070 31 Rocker (See p78)
E	10 070 59 Cowstail sling (See p96)
F	10 070 56 Climber seat (See p97)



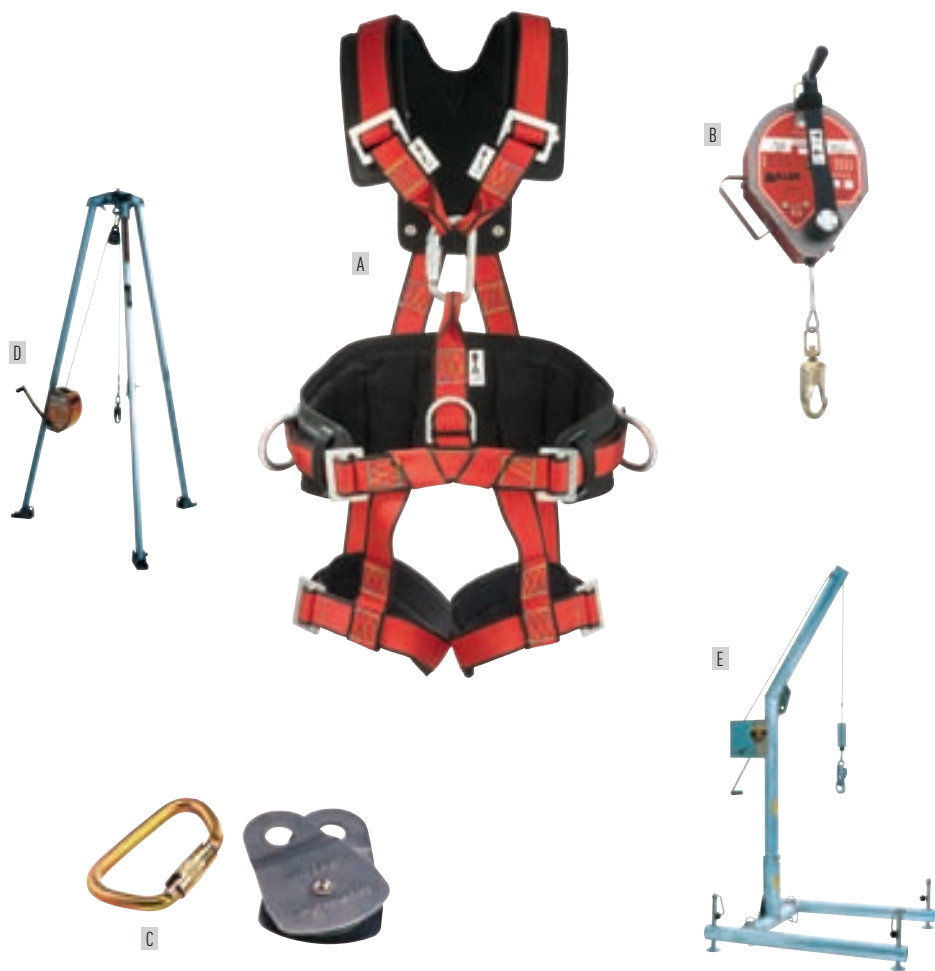
ROPE ACCESS

Confined Space

Movement in confined spaces requires a system to be put in place to protect the worker during the descent as well as the ascent. Protection is provided by a second operative during the operation. This is necessary because, in case of an incident it must be possible to lift the affected person out without delay. The use of a pulley / hauling system for the descent as well as for the ascent is thus essential. It is light, flexible and, in particular offers total independence.

The access to confined space requires the installation of a system for safely descending then for climbing out again when work is complete.

Modular design allows the use of components in various configurations and applications. Multiple winches and/or lifeline systems may be mounted as required to suit the working conditions.



REF.	PRODUCT
A	10 062 55 Tower harness (See p46)
B	10 051 49 MightEvac® Rescue block (See p59)
C	10 114 71 Pulley (See p93)
D	10 050 41 Tripod (See p92)
E	10 029 20 Potex (See p93)



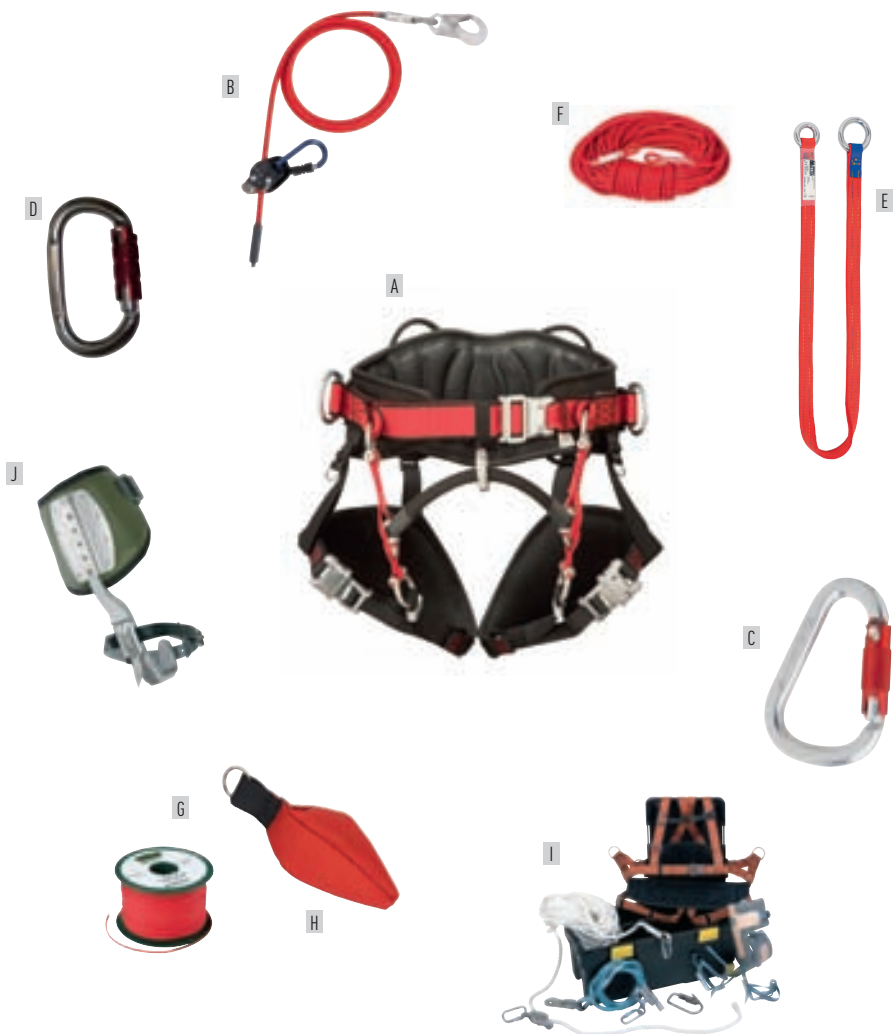
CONFINED SPACE

Tree Pruning

Tree-felling and heavy pruning require a secure access and position at height. The equipment is designed to hold the worker in place whilst he handles the necessary tools, such as a chainsaw, which can often be very heavy and cumbersome. Miller equipment offers the climber a safe and convenient means of gaining access to a tree. Specific climbing techniques have been developed to promote full freedom of movement whilst protecting the tree from any unnecessary damage.

"The "Butterfly" has been my harness of choice since the day it was created. Its lightweight yet durable design makes it a great choice for both field work and competition climbing."

Mark Chisholm
World Champion U.S.A. Tree-pruning World Champion



REF.	PRODUCT
A	10 168 24 Morpho
B	10 140 21 Rocker lanyard (See p78)
C	10 189 71 Frelon karabiner (See p81)
D	10 286 30 Cigale karabiner (See p81)
E	10 136 21 Cambium saver
F	10 117 23 Amazon climbing line (See 79)
G	10 117 21 Throwing line
H	10 031 82 Throwing Bag
I	10 032 78 Tree Pruning kit
J	10 149 91 Spikes

MORE INFORMATION ON TREE PRUNING ON DEMAND.

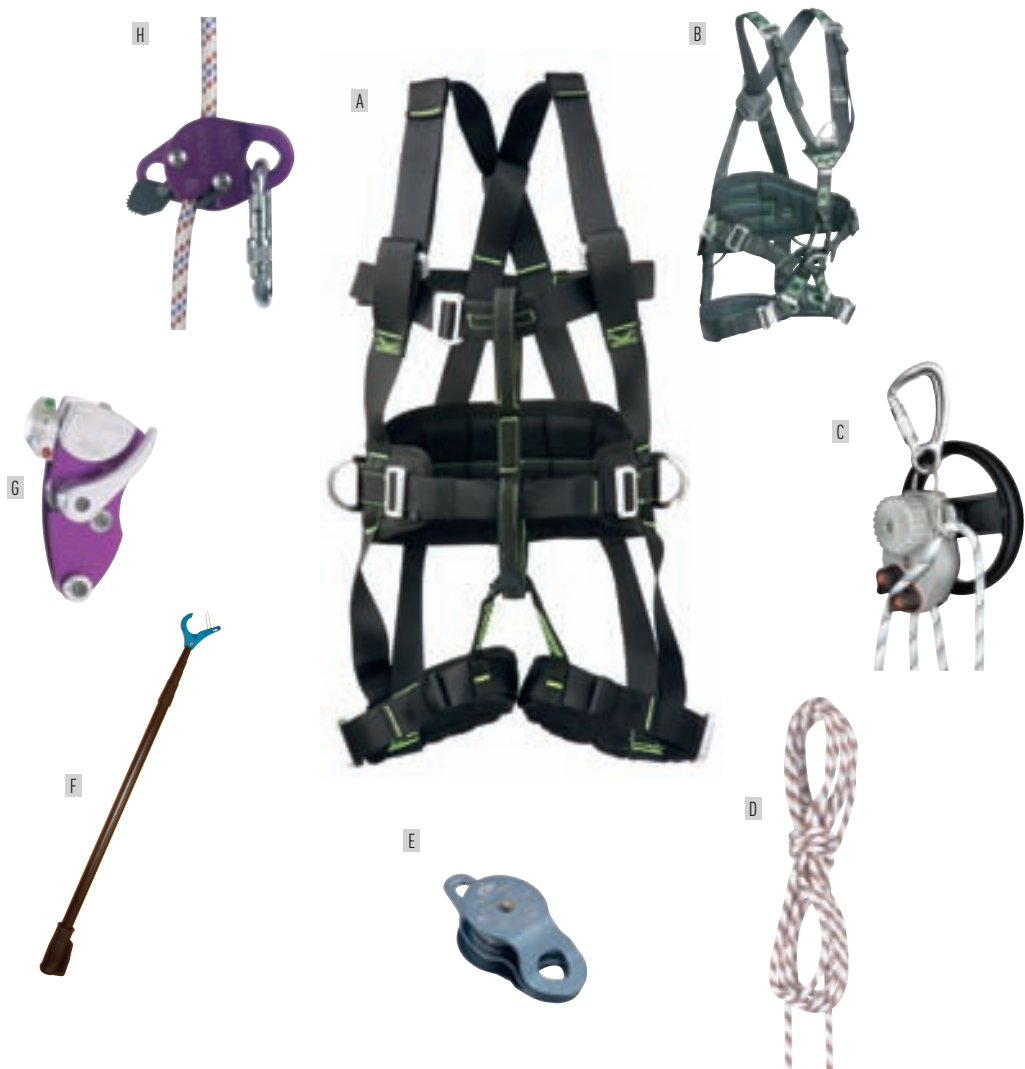


Technical Access and Rescue

The rescue and evacuation of an injured high access worker is a mandatory consideration for work at height operations. From pre-planned rescue operations, such as those performed by global fire and rescue teams, to the on-site un-planned rescue of a fallen worker, the Miller range of rescue products offer versatile and effective rescue systems. The systems can be developed to allow a casualty to be raised or lowered, either in their own harness, a temporary rescue sling, an evacuation splint (perfect for confined spaces) or a rigid stretcher.

"My role involves life-critical operations on a daily basis. The geography of our area is extremely varied, from dockyards and seacliffs to remote exposed moorland. The Miller rescue products give my team and I the gear and confidence we need to fulfil our commitment..."

Jason Keveren
Leading Firefighter, Rescue Team Leader,
Devon Fire and Rescue Service



REF.	PRODUCT
A	10 070 22 Ibex harness (See p51)
B	10 144 32 Ropax harness (See p50)
C	10 287 72 Safescape ELITE Rescue/Descent device (See p88)
D	10 076 17 Anchorage line (See p88)
E	10 070 38 Aluminium pulley (See p90)
F	10 178 24 Telescopic pole (See p89)
G	10 070 57 ProAllp (See p87)
H	10 070 31 Rocker (See p78)



TECHNICAL ACCESS AND RESCUE



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80	CONNECTORS
82	ANCHORAGE POINTS
86	RESCUE & EVACUATION
92	CONFINED SPACE
94	FALL ARREST KITS
96	ACCESSORIES

STANDARDS*

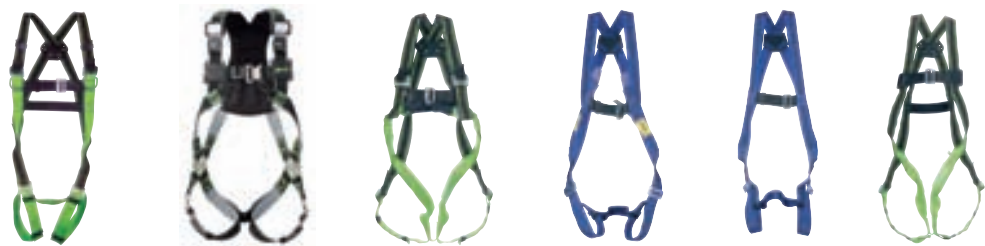
EN12841/C	Rope access systems: back-up devices
EN341	Descenders
EN353-1	Guided Type Fall Arresters
	Rigid Anchorage Line and Rails
EN353-2	Guided Type Fall Arresters
	Flexible Anchorage Line
EN354	Lanyards
EN355	Shock Absorbers
EN358	Work Positioning Systems
EN360	Retractable Type Fall Arresters
EN361	Full Body Harness
EN362	Connectors
EN795(b)	Anchorage Devices – Class B
EN813	Sit Harness
EN363	Fall Arrest Systems

*Contact Sperian for any further information

HARNESSES / Introduction

p42/43 FALL ARREST HARNESSES

2 POINT p42/43
1 POINT p43



p44/45 SPECIAL FALL ARREST HARNESSES

Kevlar, Atex, High visibility
vests p44 – Wind energy p45



p46/49 WORK POSITIONING HARNESSES

4 POINT p46
3 POINT p47/48
2 POINT p49
1 POINT p49



p50/51 SUSPENSION HARNESSES



MILLER HARNESS FEATURES

Adjustment Buckles



Mating Buckle. To connect the mating buckle, push the centre bar buckle completely through the square link and allow it to fall into place. Pull web end to tighten.



Quick-Connect Buckle. For belt, waist and leg straps interlock for quick easy donning and feature a dual-tab release mechanism to prevent accidental opening.



Cam Buckle. The locking tabs of the cam buckle trap the webbing to prevent unintentional slippage. Lift the locking tab for easy, one-hand adjustment/release. Promotes proper snug fit, will not slip or misadjust.

Anchorage Points



Side D-Rings on belt. A work-positioning lanyard is attached to the side D-rings to enable the operator to work with his hands free. These are not suitable for fall arrest.



Front D-Rings and Front Anchorage Loops. Used for a comfortable, fall arrest anchorage point, usually in conjunction with a guided type fall arrester. Used for a variety of confined space, rescue, climbing.



Webbing

DualTech™ Webbing. Donning made easy with two-sided, contrasting colour webbing and textures.

- Webbing engineered with shape retention memory for a more comfortable fit.
- Unique circular tack provides greater strength, and contrasting colours make inspection easier.



DuraFlex® Webbing.

- Patented elastomer webbing specially formulated to stretch with the user's movements so there is no bunching or binding.



Belt, Leg & Seat strap. A padded belt is recommended for work positioning. The greater support increases worker productivity. Padded leg straps for suspension work: it distributes the load across the buttocks and back. Seat strap for worker comfort during prolonged periods of work in suspension.

Fall arrest harnesses

Fall Protection is about protecting people who are working at height. Falls from height are the second most common cause of accidents in the work place and cost significant amounts every year to employers. The purpose of a fall arrest system is to safely stop a fall from height and to hold the worker until he can be recovered. A full body harness that conforms to EN361 is the form of body wear used in fall arrest applications.



DURAFLEX® MA08

● 2 POINT

Rear & front anchorage

▲ BENEFITS: Elasticated webbing

- Greater comfort
- Increase durability

► FEATURES: Stretch webbing

- DuraFlex® elastomer webbing
- Webbing repels water, oil, grease and dirt
- Manual chest and leg buckles
- 2 sternal D-rings

REF.	SIZE
10 028 54	S
10 028 53	M/L
10 049 59	XXL

› Conforms to EN361



MILLER REVOLUTION™ COMFORT R2

QUICK FITTING HARNESS WITH 8 UNIQUE INNOVATIONS

● 2 POINT

Dorsal D-ring and front anchorage loops

▲ BENEFITS: Conforms to users movements

- Rotating PivotLink connections at waist level
- Full freedom of movement
- Integrated accessories system
- Custom identification labels

► FEATURES: Turning point in design

- Elasticated DuraFlex® webbing*
- ErgoArmor™ padded back shield
- Quick fixing Cam buckles for easy fit
- Quick connect buckles at chest & leg
- Web finials to store spare webbing
- Self-contained label pack

REF.	SIZE
DuraFlex® stretch webbing	
10 142 36	S/M
10 142 37	L/XL
10 142 38	XXL**
DualTech webbing	
10 142 39	S/M
10 142 40	L/XL
10 142 41	XXL**

› Conforms to EN361



DURAFLEX® MA04

● 2 POINT

Rear and front anchorage

▲ BENEFITS: Elasticated webbing

- Greater comfort
- Increase durability

► FEATURES: Stretch webbing

- DuraFlex® elastomer webbing
- Webbing repels water, oil, grease and dirt
- Manual chest and leg buckles
- Front anchorage soft webbing loops

REF.	SIZE
10 028 50	S
10 028 49	M/L

Available with QCB

10 076 11	M/L
10 076 12	XL

› Conforms to EN361



TITAN™

● 2 POINT

Front and rear anchorage (front webbing loops)

▲ BENEFITS: Lightweight

- Fully adjustable design so one size fits all
- Sliding back D-ring for a comfortable fit

► FEATURES: Ensuring safety and compliance on the jobsite

- Durable polyester webbing
- Sub-pelvic strap keeps the wearer upright
- Manual chest and leg buckles
- 45 mm chest strap with metal buckle

REF.
10 118 91

› Conforms to EN361



TITAN™

COST EFFECTIVE CHOICE FOR FALL PROTECTION

● 1 POINT

Rear anchorage

▲ BENEFITS: Lightweight

- Fully adjustable design so one size fits all
- Sliding back D-ring for a comfortable fit

► FEATURES: Ensuring safety and compliance on the jobsite

- Durable polyester webbing
- Sub-pelvic strap keeps the wearer upright
- Manual chest and leg buckles
- 45mm chest strap with metal buckle

REF.
10 118 90

› Conforms to EN361



DURAFLEX® MA02

● 1 POINT

Rear anchorage

▲ BENEFITS: Elasticated webbing

- Greater comfort
- Increase durability

► FEATURES: Stretch webbing

- DuraFlex® elastomer webbing
- Webbing repels water, oil, grease and dirt
- Manual chest and leg buckles

REF.	SIZE
10 028 48	S
10 028 47	M/L

› Conforms to EN361

Special fall arrest harnesses

For specific requirements: welding, ATEX, wind energy...



KEVLAR®
IDEAL SOLUTION FOR WELDING,
FIREFIGHTING

- **1 POINT**
Rear anchorage D-ring
- ▲ **BENEFITS: Strength and high temperature resistance**
 - Nomex® webbing protects against weld spatter and sparks
 - Contrasting colours which facilitate inspection
 - Maximum temperature: 177°C
- **FEATURES: Exceptional heat and fire resistance**
 - Blue Nomex® flame-retardant webbing
 - Yellow Kevlar® inner core
 - Sub-pelvic strap
 - Adjustable leg straps
 - Manual chest and leg buckles
 - Clips on shoulder straps for lanyard when not in use

REF.	SIZE
751K Single adjustment	
10 123 33	S/M
10 123 34	L/XL
10 123 35	XXL

650K Adjustable shoulder	
10 123 36	S/M
10 123 37	L/XL
10 123 38	XXL

► The Kevlar harness conform to EN361(2002), ANSI, OSHA



ATEX ANTISTATIC
THE SOLUTION FOR WORK
AT HEIGHT IN EXPLOSIVE
ATMOSPHERES

- **2 POINT**
Dorsal anchorage (webbing extension and loop) and sternal (with webbing loops)
- ▲ **BENEFITS:**
 - Prevents the risks of ignition caused by electrostatic discharge
 - Dorsal extension strap facilitates connection
 - Detachable dorsal pad facilitates harness donning
- **FEATURES: Increase security**
 - Anti-static material
 - Sub-pelvic strap
 - Protective back pad
 - Adjustable shoulder straps
 - Adjustable leg straps with automatic buckles

REF.	SIZE
10 150 74	S/M
10 150 75	L/XL

- Certified and complies with EN361 (2002) and ATEX 94/9/CE
- Additional ATEX solutions available on demand



DURAFLEX® STRETCH VEST HARNESS
ENGINEERED FOR OPTIMAL
PERFORMANCE IN ALL CONDITIONS

- **2 POINT**
Front and rear anchorage (front webbing loops)
- ▲ **BENEFITS: High visibility**
 - Lightweight, durable polyester vest jacket
 - Multiple adjustments for perfect fit
 - Excellent chemical and abrasion resistance
- **FEATURES: highly comfortable and practical vest**
 - Quick connect buckles
 - Front zipper
 - Multiple pockets
 - Shoulder padding
 - Lateral loops for tool bags
 - Press studs between lining and jacket

REF.	SIZE	REF.	SIZE
Black Vest Harness DuraFlex®		Hi-Vis* Vest Harness DuraFlex®	
10 068 82	M/L	10 100 40	M/L
10 075 50	XL	10 103 26	XL

Vest Harness DuraFlex® with side D-rings
& work-positioning belt

- Conforms to EN361 and EN471 Class 2 (for HI-VIS option).

*ALSO AVAILABLE IN HI-VIS ORANGE



MILLER REVOLUTION™ R7 OFFS
DESIGNED FOR HIGHLY CORROSIVE OFFSHORE AND COASTAL ENVIRONMENTS
INCLUDING WIND ENERGY AND PETROCHEMICAL INDUSTRIES

- **3 POINT**
Front and rear anchorage (front webbing loops) and side D-rings
- ▲ **BENEFITS: High corrosion resistance and reinforced harness**
 - Protection with PVC coating on back and sides D rings
 - Fall indicator at dorsal D pad
 - Stand up D function for easy connection
 - Stitched A security marking for anchorage at back and chest points
 - Foldable side D-ring
 - Additional elastic keepers on shoulder strap
 - Longer stitching on the belt pad for greater strength
 - Custom identification labels on back housing
 - Back Pad with V shape
 - Self contained label pack
- **FEATURES: High resistant components**
 - 316 L Stainless steel PivotLink™
 - DualTech™ polyamide/polyester webbing
 - ErgoArmor™ padded back shield
 - Positioning belt
 - Automatic buckles on legs straps, belt & chest strap in anodized aluminium
 - Shoulder aluminium CAM buckle adjustment for easy fit
 - Back tool rings
 - Available in 3 sizes according US size chart

REF.	SIZE
10 148 07/OFFS	S/M
10 148 08/OFFS	L/XL
10 148 09/OFFS	XXL

- Multi standards compliance: CE, ANSI/OSHA, CSA, AS/NZS



MILLER REVOLUTION™ R7 WIND
IDEAL FOR WORK AT HEIGHT ON ONSHORE WIND ENERGY
APPLICATIONS

- **3 POINT**
Front and rear anchorage (front webbing loops) and side D-rings
- ▲ **BENEFITS: High safety and comfort level**
 - Fall indicator at dorsal D pad
 - Stand up D function for easy connection
 - Stitched A security marking for anchorage at back and chest points
 - Longer stitching on the belt pad for greater strength
 - Back pad with "V" shape
 - Additional elastic keepers on shoulder strap
 - Custom identification labels on back housing
 - Self contained label pack
- **FEATURES: Comfort and durability**
 - Galvanised steel Pivot Link™
 - Polyester webbing
 - Shoulder strap adjustment with mating buckle
 - Chest strap mating buckle
 - Automatic steel quick connect buckle on legs and waist strap
 - Positioning belt
 - ErgoArmor™ padded back shield
 - Back tool rings
 - Available in 3 sizes according US size chart

REF.	SIZE
10 148 07/WIND	S/M
10 148 08/WIND	L/XL
10 148 09/WIND	XXL

- Multi standards compliance: CE, ANSI/OSHA, CSA, AS/NZS

Work positioning harnesses

A work positioning systems is designed to hold a worker in a secure, hands-free working position and is used in conjunction with a fall protection system. A fall can occur while working and this is why a work positioning system is a combination of the fall arrest harnesses that complies with EN361 together with a work positioning system to EN358.



ELASTOTRANS

SUITABLE FOR WORK ON PYLONS

- **4 POINT**
Rear, 2 front anchorages and side D-rings
- ▲ **BENEFITS: Reduces fatigue**
 - Full freedom of movement for access
 - Hands-free position
 - Excellent support for suspension
- **FEATURES: Comfort and freedom of movement**
 - Work positioning belt and leg straps
 - Stretchable shoulder straps
 - Ergonomically designed back-padding and padded leg straps
 - Automatic buckles for easy fit
 - Rear anchorage extension webbing

REF.	SIZE
10 030 29	S
10 030 28	M/L
10 030 30	XL

► Conforms to EN361 and EN358



RM

THE PERFECT COMPROMISE BETWEEN FREEDOM OF MOVEMENT AND EXCELLENT SUPPORT FOR SUSPENSION

- **4 POINT**
Rear and sternal anchorage, ventral anchorage loops and side anchorage
- ▲ **BENEFITS: Stretch webbing**
 - Greater freedom of movement
 - Comfort with reduced fatigue
 - Excellent support for work in suspension
- **FEATURES: Easy fitting**
 - Work positioning belt and sit harness function
 - Elasticated webbing on shoulder straps
 - Lightweight and easy-to-fit
 - Quick connect buckles at legs and waist
 - Padded belt and leg straps

REF.	SIZE
10 034 38	S
10 034 39	M/L

► Conforms to EN361, EN358



TOWER

HEAVY-DUTY HARNESS, DESIGNED FOR EXCELLENT COMFORT AND SUPPORT

- **4 POINT**
Rear and front anchorage (karabiner for fall arrest and ventral D-ring for access work) and side D-rings
- ▲ **BENEFITS**
 - Belt and sit harness function
 - Belt prevents back injuries and promotes productivity
- **FEATURES**
 - Ventral anchorage point for work in suspension
 - High-quality, resistant webbing for increased durability
 - Work-positioning belt
 - Padded leg straps for enhanced comfort during suspension work
 - Back and shoulder pads

REF.	SIZE
10 117 70	S
10 062 55	M
10 062 56	L

► Conforms to EN361, EN358 and EN813



MILLER REVOLUTION™ PREMIUM R3

ERGONOMIC FIT WHEN BENDING OR CROUCHING

- **3 POINT**
Dorsal D-ring front anchorage loops and belt
- ▲ **BENEFITS: Quick fitting harness**
 - Rotating PivotLink™ connections at **waist level**
 - Easy fit when bending or crouching
 - Full freedom of movement
 - Custom identification labels
 - Fixed work positioning belt
- **FEATURES: Easy adjustment**
 - DualTech™ webbing with shape retention memory
 - ErgoArmor™ padded back shield
 - Shoulder CAM buckles for easy fit
 - Quick Connect Buckles at legs, belt & chest
 - Web finials to store spare webbing
 - Self-contained label pack
 - Integrated accessories system

REF.	SIZE
DualTech webbing	
10 142 42	S/M
10 142 43	L/XL
10 142 44	XXL**

► Conforms to EN361 and EN358



MILLER REVOLUTION™ PREMIUM R5

SMOOTHER MOVEMENT WHEN ASCENDING OR DESCENDING

- **3 POINT**
Dorsal D-ring front anchorage loops and belt
- ▲ **BENEFITS: Stretch to users movements**
 - Rotating PivotLink™ connections at **hip level**
 - Easy movement for ascent or descent
 - Full freedom of movement
 - Custom identification labels
 - Rotating work positioning belt for hands free
- **FEATURES: Reduce user fatigue**
 - Elasticated DuraFlex® webbing* stretches to users movements
 - ErgoArmor™ padded back shield
 - Shoulder CAM buckles for easy fit
 - Quick Connect Buckles at legs, belt & chest
 - Web finials to store spare webbing
 - Self-contained label pack
 - Integrated accessories system

REF.	SIZE	REF.	SIZE
DuraFlex® webbing		DualTech webbing	
10 142 51	S/M	10 142 54	S/M
10 142 52	L/XL	10 142 55	L/XL
10 142 53	XXL**	10 142 56	XXL*

► Conforms to EN361 and EN358



Miller Revolution™ accessories

see p98-99



DURAFLEX® MA58

- **3 POINT**
Rear and front anchorages with belt
- ▲ **BENEFITS: Elasticated webbing**
 - Greater comfort
 - Increase durability
- **FEATURES: Stretch webbing**
 - DuraFlex® elastomer webbing
 - Webbing repels water, oil, grease and dirt
 - Work positioning belt with 2 side D-rings
 - Manual buckles at chest and legs
 - 2 Sternal D-rings

REF.	SIZE
10 028 58	S
10 028 57	M/L
10 049 54	XXL

► Conforms to EN361 and EN358

*AVAILABLE IN DUALTECH WEBBING
**MADE ON DEMAND

Work positioning harnesses



ELASTOKUIK COMFORT

OFFERS FULL FREEDOM OF MOVEMENT FOR ACCESS AND EXCELLENT SUPPORT FOR WORK

● 3 POINT

Rear, front and side anchorages (front anchorage loops) with work positioning belt

▲ BENEFITS: Padding to support hands free position

- Excellent freedom of movement and extended reach
- Easy to fit
- Moving shoulder straps increases comfort and flexibility

► FEATURES: Comfort

- Rotating work-positioning belt
- Stretchable shoulder straps move with the worker
- Automatic buckles
- Comfortable back-padding in cordura

REF. SIZE
10 030 23 S
10 030 22 M/L
10 030 24 XL

Conforms to EN361 and EN358



ELASTOLIGHT

PERFECT SOLUTION FOR WORK POSITIONING AND ACCESS

● 3 POINT

Rear, front and side anchorages (front anchorage loops) with belt

▲ BENEFITS:

- Provide greater freedom of movement and comfort for enhanced productivity
- Comfortable back-padding for work-positioning
- Easy shoulder adjustments

► FEATURES:

- Stretchable shoulder straps
- Manual buckles at chest, belt and legs
- Padded belt

REF. SIZE
10 060 77 S
10 060 76 M/L

Conforms to EN361 and EN358



KUIIK TST

ENHANCE OPERATOR'S COMFORT AND FREEDOM OF MOVEMENT AT WORK

● 3 POINT

Rear and front anchorages (front anchorage loops) and side D-rings with belt and semi-rigid seat strap

▲ BENEFITS: Optimum freedom of movement

- Work positioning belt allows 180° rotation
- Full freedom of movement with maximum reach
- Shoulder straps stretch with the user
- Seat strap ensures optimum comfort
- Reduces fatigue

► FEATURES: Increases user confidence

- 180° rotating work-positioning belt
- Rigid seat strap
- Belt and seat webbing straps move simultaneously
- Stretchable shoulder straps
- Automatic buckles for easy fit

REF. SIZE
10 030 18 S
10 030 17 M/L

Conforms to EN361 and EN358



DURAFLEX® MA60

THE CHOICE FOR GREATER MOBILITY AND EXTREME COMFORT

● 3 POINT

Rear and front anchorage with belt

▲ BENEFITS: Elasticated webbing

- Greater comfort
- Increase durability

► FEATURES: Stretch webbing

- DuraFlex® elastomer webbing
- Front anchorage webbing loops
- Webbing repels water, oil, grease and dirt
- Work positioning belt with 2 side D-rings
- Manual buckles

REF. SIZE
10 051 37 S
10 051 36 M/L

Available with QCB

10 124 63 S
10 124 62 M/L

Conforms to EN361 and EN358



TITAN™

● 2 POINT

Front and rear anchorages with work positioning belt

▲ BENEFITS: Lightweight

- Fully adjustable design so one size fits all
- Sliding back D-ring for a comfortable fit

► FEATURES: Ensures safety and compliance on the jobsite

- Durable polyester webbing
- Front webbing loops
- Sub-pelvic strap keeps the wearer upright
- 45mm chest strap with metal buckle
- Manual buckles

REF.
10 118 94

Conforms to EN361 and EN358



TITAN™

COST EFFECTIVE FOR WORK POSITIONING

● 1 POINT

Rear anchorage with work positioning belt

▲ BENEFITS: Lightweight

- Fully adjustable design so one size fits all
- Sliding back D-ring for a comfortable fit

► FEATURES: Ensures safety and compliance on the jobsite

- Durable polyester webbing
- Sub-pelvic strap keeps the wearer upright
- 45mm chest strap with metal buckle
- Manual buckles

REF.
10 118 93

Conforms to EN361 and EN358

Suspension harnesses

A sit harness is used to suspend the operator in a comfortable work position with maximum freedom of movement. When there is the risk of a fall the operator should wear a full body harness. The sit harness conforms to EN813 and optionally EN358. A full body harness conforms to EN361 and may also fulfil a work positioning function in accordance with EN358 and/or EN813.

Suspension system: The forces are split between the leg straps and the waist belt rather than being concentrated on the legs, thus providing enhanced ergonomics and increased user comfort whilst reducing the risk of suspension trauma.



- 2 Webbing options:**
- DualTech webbing with shape retention memory
 - Resistant black polyester webbing

V Shapes to prevent straps from digging

Extra wide padded belt

Side D-rings

Padded leg strap

Left & Right tags



ROPAX
INNOVATION AND TECHNOLOGY DEDICATED TO ROPE ACCESS AND RESCUE COMBINING SUSPENSION COMFORT WITH FREEDOM OF MOVEMENT

- ▲ **BENEFITS: Perfect Fit**
- Adjustment webbing straps between the leg straps and the belt
 - V Shape prevents straps from digging and causing irritation
 - Excellent lumbar support and comfort
 - Clip-on design safely organises webbing after proper adjustment
 - Increased comfort in suspension
 - Triangular suspension to minimise discomfort and suspension trauma

- **FEATURES: New triangular suspension position**
- Shoulder straps in V shape
 - Adjustable webbing sling
 - Extra-wide padded belt
 - Foldable side D-rings
 - Web finials
 - 3 large gear loops
 - Left & right tags to facilitate donning
 - Padded leg straps

An additional webbing sling positions the ascender tight against the chest to facilitate ascension.

REF.	SIZE
WITH AUTOMATIC BUCKLES	
Black polyester webbing	
10 144 32	S/M
10 144 33	L/XL
WITH MANUAL BUCKLES	
Black polyester webbing	
10 144 34	S/M
10 144 35	L/XL
WITH AUTOMATIC BUCKLES	
DualTech webbing with shape retention memory	
10 151 10	S/M
10 151 11	L/XL

► Conforms to EN361, EN358 and EN813

OPTIONS



ERGOSOFT DORSAL PAD
DESIGNED TO PROTECT THE BACK AND FACILITATE HARNESS DONNING

- Protects against impacts and abrasion
- Mesh membrane allows superior air flow
- The transversal pad is fitted to the dorsal pad

REF.
10 152 05



TRANVERSAL PAD
USED IN CONJUNCTION WITH DORSAL PAD, IT ALLOWS THE USER TO ADOPT A SEMI-RECLINED WORK POSITION WITHOUT STRAINING THE ABDOMINALS

- Fully adjustable, the transversal pad clips onto the ErgoSoft dorsal pad and connects to the climbing line by means of a karabiner
- The sliding belt offers a greater freedom of movement and reach

REF.
10 152 06



IBX2R FULL BODY HARNESS
DESIGNED FOR SPECIALISTS WORKING HANDS-FREE AT HEIGHT OR IN RESCUE

● **4 POINT**
Work-positioning belt and padded leg straps

- ▲ **BENEFITS: Excellent suspension comfort**
- Belay connection link distributes the loads to larger muscle groups
 - Reduces discomfort
 - Minimises suspension trauma
 - Easy to fit
- **FEATURES: Fall arrest and work-positioning**
- Ventral and sternal front webbing loops anchorages
 - Anchorage point for a descender and fall arrest device
 - Advanced buckling system

REF.	SIZE
WITH TOOLS SYSTEM	
10 073 86	S
10 070 22	M/L
10 073 87	X/L
10 102 69	M/L (black)
WITHOUT TOOLS SYSTEM	
10 070 21	M/L

► Conforms to EN361, EN358 and EN813



RAM
FLEXIBLE SIT HARNESS IS SUITABLE FOR MOUNTAIN RESCUE TECHNICIANS WHERE THE HARNESS IS WORN FOR SHORT DURATIONS ONLY SIT HARNESS

- ▲ **BENEFITS: Comfortable work position**
- Easy to fit
 - Belay connection link distributes the loads to larger muscles groups
 - Minimises discomfort and suspension trauma
 - Padding provides excellent support and comfort during suspension
- **FEATURES: Sit harness**
- Waist belay loop for rescue and rope access
 - Padded belt and leg straps
 - Belt with equipment loops
 - Lightweight

REF.	SIZE:
10 073 90	S
10 070 25	M/L
10 073 91	XL
BLACK	
10 102 51	S
10 102 52	M/L
10 102 53	XL

► Conforms to EN813

Harnesses technical guide

NAME	STANDARD	REF.	SIZES	ANCHORAGE POINT				WEB	BUCKLES				PAGE
				Dorsal	Sternal	Ventral	Side		Shoulder	Belt	Leg	Chest	No
TITAN™ range													
TITAN™ - 1 point	EN361	1011890	unique	•				Polyester			Manual	Manual	43
TITAN™ - 2 point	EN361	1011891	unique	•	•			Polyester			Manual	Manual	43
TITAN™ - 1 point + positioning belt	EN361, EN358	1011893	unique	•			•	Polyester			Manual	Manual	54
TITAN™ - 2 point + positioning belt	EN361, EN358	1011894	unique	•	•		•	Polyester			Manual	Manual	49
DURAFLEX® range													
DuraFlex® MA02 - 1 point	EN361	1002848	S	•				DuraFlex	-		Manual	Manual	43
		1002847	M/L	•				DuraFlex	-		Manual	Manual	43
DuraFlex® MA04 - 2 point	EN361	1002850	S	•	•			DuraFlex	Manual		Manual	Manual	42
		1002849	M/L	•	•			DuraFlex	Manual		Manual	Manual	42
DuraFlex® MA04 - 2 point Automatic buckles	EN361	1007611	M/L	•	•			DuraFlex	Manual		Automatic	Manual	42
		1007612	XL	•	•			DuraFlex	Manual		Automatic	Manual	42
DuraFlex® MA08 - 3 point	EN361	1002854	S	•	•			DuraFlex	Manual		Manual	Manual	42
		1002853	M/L	•	•			DuraFlex	Manual		Manual	Manual	42
		1004959	XXL	•	•			DuraFlex	Manual		Manual	Manual	42
DuraFlex® MA60 - 2 point + positioning belt	EN361, EN358	1005137	S	•	•	•	•	DuraFlex	Manual	Manual	Manual	Manual	49
		1005136	M/L	•	•	•	•	DuraFlex	Manual	Manual	Manual	Manual	49
DuraFlex® MA58 - 3 point + positioning belt	EN361, EN358	1002858	S	•	•		•	DuraFlex	Manual		Manual	Manual	47
		1002857	M/L	•	•		•	DuraFlex	Manual		Manual	Manual	47
		1004954	XXL	•	•		•	DuraFlex	Manual		Manual	Manual	47
Hi Visibility vest DuraFlex® - 2 point	EN361, EN471 Class 2	1010040	M/L	•	•			DuraFlex	Manual		Automatic	Manual	44
		1010326	XL	•	•			DuraFlex	Manual		Automatic	Manual	44
Hi Visibility vest DuraFlex® - 2 point + positioning belt	EN361, EN358, EN471 Class 2	1013454	M/L	•	•	•	•	DuraFlex	Manual		Manual	Manual	44
		1013455	XL	•	•	•	•	DuraFlex	Manual		Manual	Manual	44
Black Vest DuraFlex® - 2 point	EN361	1006882	M/L	•	•			DuraFlex	Manual		Automatic	Manual	44
		1007550	XL	•	•			DuraFlex	Manual		Automatic	Manual	44
REVOLUTION™ Range													
Miller Revolution™ R2	EN361	1014236	S/M	•	•			DuraFlex	CAM		Automatic	Automatic	42
		1014237	L/XL	•	•			DuraFlex	CAM		Automatic	Automatic	42
		1014238	XXL	•	•			DuraFlex	CAM		Automatic	Automatic	42
Miller Revolution™ R2	EN361	1014239	S/M	•	•			Dualtech	CAM		Automatic	Automatic	42
		1014240	L/XL	•	•			Dualtech	CAM		Automatic	Automatic	42
		1014241	XXL	•	•			Dualtech	CAM		Automatic	Automatic	42
Miller Revolution™ R3 Dualtech	EN361, EN358	1014242	S/M	•	•		•	Dualtech	CAM	Automatic	Automatic	Automatic	47
		1014243	L/XL	•	•		•	Dualtech	CAM	Automatic	Automatic	Automatic	47
		1014244	XXL	•	•		•	Dualtech	CAM	Automatic	Automatic	Automatic	47
Miller Revolution™ R5 DuraFlex®	EN361, EN358	1014251	S/M	•	•		•	DuraFlex	CAM	Automatic	Automatic	Automatic	47
		1014252	L/XL	•	•		•	DuraFlex	CAM	Automatic	Automatic	Automatic	47
		1014253	XXL	•	•		•	DuraFlex	CAM	Automatic	Automatic	Automatic	47
Miller Revolution™ R5 Dualtech	EN361, EN358	1014254	S/M	•	•		•	Dualtech	CAM	Automatic	Automatic	Automatic	47
		1014255	L/XL	•	•		•	Dualtech	CAM	Automatic	Automatic	Automatic	47
		1014256	XXL	•	•		•	Dualtech	CAM	Automatic	Automatic	Automatic	47
WIND INDUSTRY													
WIND	EN361, EN358, OSHA/ANSI/ CSA/AS/NZ	1014807/ WIND	S/M (US)	•	•		•	Polyster	Manual	Automatic	Automatic	Manual	45
		1014808/ WIND	L/XL (US)	•	•		•	Polyster	Manual	Automatic	Automatic	Manual	45
		1014809/ WIND	XXL (US)	•	•		•	Polyster	Manual	Automatic	Automatic	Manual	45

NAME	STANDARD	REF.	SIZES	ANCHORAGE POINT				WEB	BUCKLES				PAGE	
				Dorsal	Sternal	Ventral	Side		Shoulder	Belt	Leg	Chest	Nº	
WIND INDUSTRY														
OFFS	EN361, EN358, OSHA/ANSI/ CSA/AS/NZ	1014807/ OFFS	S/M (US)	•	•		•	Dualtech	CAM	Automatic	Automatic	Automatic	45	
		1014808/ OFFS	L/XL (US)	•	•		•	Dualtech	CAM	Automatic	Automatic	Automatic	45	
		1014809/ OFFS	XXL (US)	•	•		•	Dualtech	CAM	Automatic	Automatic	Automatic	45	
ROPAX range														
Ropax Dualtech	EN361, EN358, EN813	1015110	S/M	•	•	•	•	Dualtech	Manual	Manual	Automatic		50	
		1015111	L/XL	•	•	•	•	Dualtech	Manual	Manual	Automatic		50	
Ropax - Quick connect buckle	EN361, EN358, EN813	1014432	S/M	•	•	•	•	Black polyester	Manual	Manual	Automatic		50	
		1014433	L/XL	•	•	•	•	Black polyester	Manual	Manual	Automatic		50	
Ropax manual buckle	EN361, EN358, EN813	1014434	S/M	•	•	•	•	Black polyester	Manual	Manual	Manual		50	
		1014435	L/XL	•	•	•	•	Black polyester	Manual	Manual	Manual		50	
ATEX Certified														
Antistatic ATEX	EN361, ATEX 94/9/CE	1015074	S/M	•	•			Polyester Antistatic	Manual		Automatic	Automatic	44	
		1015075	L/XL	•	•			Polyester Antistatic	Manual		Automatic	Automatic	44	
KEVLAR - Flamed resistant														
Kevlar	EN361	1012333	S/M	•				Nomex	-		Manual	Manual	44	
		1012334	L/XL	•				Nomex	-		Manual	Manual	44	
		1012335	XXL	•				Nomex	-		Manual	Manual	44	
Kevlar + adjustable shoulder strap	EN361	1012336	S/M	•				Nomex	Manual		Manual	Manual	44	
		1012337	L/XL	•				Nomex	Manual		Manual	Manual	44	
		1012338	XXL	•				Nomex	Manual		Manual	Manual	44	
TECHNICAL HARNESS														
Elastokuik comfort	EN361, EN358	1003023	S	•	•		•	Polyamide	Manual	Automatic	Automatic	Automatic	48	
		1003022	M/L	•	•		•	Polyamide	Manual	Automatic	Automatic	Automatic	48	
		1003024	XL	•	•		•	Polyamide	Manual	Automatic	Automatic	Automatic	48	
Kuik TST	EN361, EN358	1003018	S	•	•		•	Polyamide	Manual	Automatic	Automatic		48	
		1003017	M/L	•	•		•	Polyamide	Manual	Automatic	Automatic		48	
Elastotrans	EN361, EN358	1003028	M/L	•	•		•	Polyamide	Manual	Automatic	Automatic		46	
		1003029	S	•	•		•	Polyamide	Manual	Automatic	Automatic		46	
		1003030	XL	•	•		•	Polyamide	Manual	Automatic	Automatic		46	
Elastolight	EN361, EN358	1006077	S	•	•		•	Polyamide	Manual	Manual	Manual		48	
		1006076	M/L	•	•		•	Polyamide	Manual	Manual	Manual		48	
RM	EN361, EN358	1003438	S	•	•	•	•	Polyamide	Manual	Automatic	Automatic		46	
		1003439	M/L	•	•	•	•	Polyamide	Manual	Automatic	Automatic		46	
Tower	EN361, EN358 EN813	1011770	S	•	•	•	•	Polyester	Manual	Manual	Manual		46	
		1006255	M	•	•	•	•	Polyester	Manual	Manual	Manual		46	
		1006256	L	•	•	•	•	Polyester	Manual	Manual	Manual		46	
IBX2R (black)	EN361, EN358, EN813	1010269	M/L	•	•	•	•	Polyester	Manual	Manual	Manual	Manual	51	
IBX2R	EN361, EN358, EN813	1007022	M/L	•	•	•	•	Polyester	Manual	Manual	Manual	Manual	51	
		1007386	S	•	•	•	•	Polyester	Manual	Manual	Manual	Manual	51	
		1007387	XL	•	•	•	•	Polyester	Manual	Manual	Manual	Manual	51	
RAM sit Harness	EN813	1007025	M/L			•		Polyester		Manual	Manual		51	
		1007390	S			•		Polyester		Manual	Manual		51	
		1007391	XL			•		Polyester		Manual	Manual		51	
RAM sit Harness (black)	EN813	1010252	M/L			•		Polyester		Manual	Manual		51	

Work positioning belts

Miller offers a range of heavy-duty work-positioning belts designed to support the user in a hands-free work position at height. These belts can be used on their own when there is no risk of a fall, or alternatively in conjunction with a harness for fall arrest protection.



TITAN™ WORK POSITIONING BELT

2 SIDE D-RINGS

▲ BENEFITS:

- Lightweight
- 2 Stainless steel side D-rings for use with positioning lanyard

► FEATURES:

- Belt and webbing in polyester

REF.

10 082 32

► Conforms to EN358



520 WORK POSITIONING BELT

IDEAL FOR COMFORTABLE HANDS-FREE WORK POSITIONING AT HEIGHT
2 SIDE D-RINGS

▲ BENEFITS:

- Allows good freedom of movement

► FEATURES:

- 100mm wide padded belt
- Quick-adjustment buckle
- 2 large side D-rings for use with positioning lanyard

REF.

10 063 19

M

10 063 20

L

► Conforms to EN358



522 WORK POSITIONING BELT

2 SIDE D-RINGS

▲ BENEFITS:

- Increased comfort and reduced fatigue when working for long hours
- Belt can be fitted with shoulder straps to relieve the load on the user's hips
- 2 side D-rings for use with positioning lanyard

► FEATURES:

- Heavy-duty synthetic back-support
- 200mm wide comfort back pad with quick adjustment buckle
- Fitted with loops for tool bags and accessories

REF.

10 063 21

M

10 063 22

L

► Conforms to EN358



SELF RETRACTING LIFELINES

p58/59
SELF
RETRACTING
LIFELINE CABLE



p60/61
SELF
RETRACTING
LIFELINE
WEBBING



p62/63
SELF
RETRACTING
LIFELINE
WEBBING



MILLER SELF RETRACTING LIFELINES FEATURES

Swivel



Prevent damage to the lifeline from twisting during use and binding inside of the unit.

Fall indicator



Highly visible fall indicator at the snap hook identifies when the unit needs to be removed from service.

Energy absorber



Reduces the fall arrest forces in case of a fall, located on the lifeline.

Cable galvanised or stainless steel



Cable and karabiners are treated to prevent from corrosion and rusting and extend service life.

Webbing



Lightweight and high abrasion resistance.

Edge Tested



Innovative technology for working on edges featuring web with special heat and cut resistance.

Scaff hook



Large opening karabiners allow connecting the self retracting lifeline to a large range of anchorage point.

Self retracting lifelines cable

Self-retracting lifelines are mechanical devices with quick-activating braking system that limits a free fall to centimetres, with reduced fall arrest forces making this especially suitable for low-space fall clearance. The automatic retractable cable allows freedom of movement for workers who need to move relatively quickly up and down on a worksite. Sperian Fall Protection offers the most comprehensive range of fall arrest blocks including robust lightweight composite blocks, heavy-duty fall arrest and rescue models with metallic housing and choice of lifeline materials: webbing, stainless steel, and galvanised steel with lengths available from 2m to 40m.

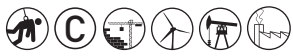


REF.	CABLE LENGTH METERS	CABLE	CONNECTORS				WEIGHT KG	DIMENSIONS MM
			TOP		BOTTOM	SNAP HOOK WITH FALL INDICATOR		
			KARABINER	SWIVEL	SWIVEL			
1011728	6.2	Galvanised	•	•	•	Steel	4	255 x 213 x 101
1011742	10	Galvanised	•	•	•	Steel	5	255 x 213 x 101
1011746	15	Galvanised	•	•	•	Steel	6.7	342 x 246 x 101
1011750	20	Galvanised	•	•	•	Steel	7.6	342 x 246 x 101
1011729	6.2	Stainless steel	•	•	•	Steel	4	255 x 213 x 101
1011743	10	Stainless steel	•	•	•	Steel	5	255 x 213 x 101
1011747	15	Stainless steel	•	•	•	Steel	6.7	342 x 246 x 101
1011751	20	Stainless steel	•	•	•	Steel	7.6	342 x 246 x 101
1028680	6.2	Stainless steel		•	•	Stainless steel	4	255 x 213 x 101
1028681	10	Stainless steel		•	•	Stainless steel	5	255 x 213 x 101
1028682	15	Stainless steel		•	•	Stainless steel	6.7	342 x 246 x 101
1028683	20	Stainless steel		•	•	Stainless steel	7.6	342 x 246 x 101

ATEX								
1017921	10	Stainless steel	•		•	•	5	255 x 213 x 101

Additional models are available upon request

* WHEN USED WITH THE APPROPRIATE MANUFACTURER RECOMMENDED EQUIPMENT
** THE CE STANDARD REQUIRES INSPECTION BY A TRAINED COMPETENT PERSON, FOLLOWING THE MILLER REPAIR GUIDE
*** WHEN USED UNDER TYPICAL WORKING CONDITIONS



FALCON™ BLOCK

THE SAFEST, MOST ROBUST AND COMPREHENSIVE RANGE OF COMPOSITE RETRACTABLE LIFELINES ON THE MARKET

6.2M TO 20M – CABLE SELF-RETRACTING LIFELINE

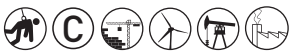
- ▲ **BENEFITS: Increase durability**
- Smooth round edges increase durability
 - Stops the fall within a few centimetres for a quick and safe rescue
 - Lightweight, robust composite unit
 - Easy-to-install
 - Tested and approved for horizontal applications*
 - No annual factory re-certification required** – Lowers cost of ownership and increases productivity
 - Lifetime housing guarantee***

► FEATURES:

- Quick-activating braking mechanism
- Highly visible fall indicator
- Screwgate karabiner
- Dual stainless steel swivels (unit top and snaphook)
- Corrosion-resistant stainless steel and aluminium internal components
- High impact resistant nylon housing
- Ergonomically designed moulded handle (15 & 20m models)
- Unique side payout design reduces wear on the entry guide bushing and cable

► Conforms to EN360

Additional models are available upon request. Please contact our technical service.



BLACK RHINO™ BLOCK

DESIGNED TO ENDURE THE DAILY RIGOURS OF HARSH ENVIRONMENTS

3M – STAINLESS STEEL CABLE LIFELINE

- ▲ **BENEFITS: The smallest and lightest 3-metre cable lifeline on the market**

- No annual factory re-certification required* – lowers cost of ownership and increases productivity
- Corrosion-resistant components
- Meets all applicable global industry standards

► FEATURES:

- Quick-activating braking system in high strength stainless steel
- Integral fall indicator
- Integral internal shock absorber
- Aluminium housing and hub

REF.

Black Rhino with swivel screwgate karabiner and swivel snap hook (22mm)

10 124 10

Black Rhino with swivel scaffold hook (63mm) and swivel snap hook (22mm)

10 123 92

► Conforms to EN360

*THE CE STANDARD REQUIRES INSPECTION BY A TRAINED END-USER COMPETENT PERSON, FOLLOWING THE MILLER REPAIR GUIDE.



MIGHTYLITE™ BLOCK

HEAVY-DUTY BLOCKS FOR HARSH CONDITIONS AND TOUGH ENVIRONMENT

6.2M TO 40M – CABLE SELF RETRACTING LIFELINE

- ▲ **BENEFITS: For harsh conditions and tough environment**

- Heavy-duty performance from a compact and easy-to-use block
- No annual factory re-certification required* – Lowers cost of ownership and increases productivity

- **FEATURES: Lightweight composite blocks with heavy-duty fall arrest**

- Available with webbing, galvanised or stainless steel cable
- Lifeline available in 6.2 to 40m
- Pressed steel housing
- Stainless steel springs
- Integral fall indicator

REF.

LENGTH

Snap hook and karabiner in zinc-plated steel

10 028 27 6.2m

10 028 28 15.5m

► Conforms to EN360

REF.	MIGHTYLITE STEEL HOUSING			CABLE			HANDLE
	MODEL	LENGTH (M)	WEIGHT (KG)	STAINLESS STEEL	GALVANISED	WEBBING	
				Ø 4.8MM	Ø 4.8MM	25MM	
1004592	MI55	15	9.5	•			•
1004593	MI56	20	14.9	•			•
1004594	MI57	30	19	•			•
1004595	MI58	40	23.6	•			•
1002820	MI50	6.2	4		•		
1004571	MI54	10	5.6		•		
1004573	MI55	15	9.5		•		•
1004572	MI56	20	14.9		•		•
1004574	MI57	30	19		•		•
1004575	MI58	40	23.6		•		•
1002827	MI70	6.2	3.5			•	
1002828	MI71	15.5	9.4			•	



MIGHTEVAC® RESCUE BLOCK

COMBINES PERFORMANCE AND RELIABILITY FOR EMERGENCY EVACUATION

15M TO 40M – CABLE SELF-RETRACTING LIFELINE WITH EMERGENCY RETRIEVAL WINCH

- ▲ **BENEFITS: Heavy duty performance**

- Easy-to-use
- No annual factory re-certification required* – lowers cost of ownership and increases productivity
- Used in conjunction with the Miller Tripod to form the core of a stable and secure confined entry/rescue system

► FEATURES:

- 4.8mm galvanised or stainless steel cable
- Quick-activating retrieval winch mechanism
- Pressed steel housing and compact design
- Rescue winch (up/down), gear ratio 5:1
- Corrosion-resistant stainless steel/aluminum components
- Convenient, heavy-duty carrying handle
- Integral fall indicator
- For emergency evacuation only
- Supplied without brackets

REF.

LENGTH

Lifeline material: Galvanised steel

10 051 49 15m

10 051 60 30m

10 051 61 40m

Lifeline material: Stainless steel

10 143 90 15m

10 143 70 30m

Brackets for MightEvac®

10 053 30 15m

10 053 31 30 & 40m

► Conforms to EN360

Self retracting lifeline webbing

EDGE-TESTED PERSONAL FALL LIMITER!

Whilst the risk of failure on an edge is often present during work at height, this hazard is relatively unknown. Miller developed a solution to this problem with the Scorpion™ Edge-Tested Personal Fall Limiter to ensure safety in the event of a fall on edges!



SCORPION™ EDGE BLOCK

INEXPENSIVE ALTERNATIVE FOR SINGLE ENERGY ABSORBING LANYARD

2.7M – EDGE TESTED RETRACTABLE WEBBING LIFELINE

▲ BENEFITS: Extremely robust and lightweight

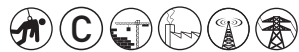
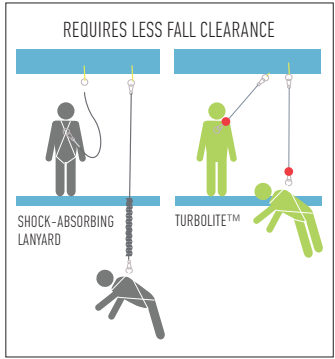
- Reduces the impact forces due to a fall to under 6kN
- Reduces the risk of tripping or snagging
- Eliminates the need for an extended fall distance clearance
- Housing and internal components are corrosion resistant
- No annual factory re-certification required* – lowers cost of ownership and increases productivity

► FEATURES: Resistant to fall over an edge

- Extremely robust and lightweight
- Quick-activating braking mechanism limits a free fall to centimetres
- Visual fall indicator – indicates the unit must be removed from service
- Corrosion-resistant internal parts
- High impact polymer cover
- Stainless steel/aluminium components
- Swivel at the top of unit to prevent lifeline from twisting during use
- Weight: 1.750kg



SCORPION™	DESCRIPTION	ANCHORAGE CONNECTOR	HARNES CONNECTOR
1016840	SCORPION™ Edge tested CS20 + snap hook + webbing resistant to breakage against edges	Steel screwgate karabiner	Aluminium snap hook
1016841	SCORPION™ Edge tested CS20 + karabiner opening 63mm + webbing resistant to breakage against edges	Scaffold hook, (opening 63 mm)	Aluminium screwgate karabiner
1016842	SCORPION™ Edge tested snap hook + karabiner opening 55mm + webbing resistant to breakage against edges	Steel scaffold hook, (opening 55 mm)	Aluminium snap hook



TURBOLITE™ BLOCK

FIRST AFFORDABLE ALTERNATIVE TO SHOCK-ABSORBING LANYARDS USED IN FACTOR 2

2M – SELF RETRACTING WEBBING LIFELINE

▲ BENEFITS: Usable in fall factor 2

- Compact & lightweight
- Low space clearance of 1.80m compare to 2.50m for a shock-absorbing lanyard (fall factor 0)
- Adapted to all situations when working with low space clearance
- Can be used in Fall Factor 2 (below the back D ring and not lower than foot level)
- Can be used on both ways around
- Rated for up to a 100kg user in fall factor 2 (140kg in fall factor 0 and 1)
- Abrasion resistance and long service life
- No annual factory recertification required

► FEATURES: Compact and lightweight 0.86kg

- Built-in web fall indicator identifies when to remove from service
- Quick activating patent pending braking system
- Provides 2m working capacity lifeline
- Engineered webbing (vectran/polyester webbing) for greater abrasion resistance and long service life
- Built-in swivel prevents lifeline from twisting
- High-strength, impact-resistant nylon housing for maximum durability
- Swivel at the top of unit to prevent lifeline from twisting during use
- Meets all applicable OSHA, ANSI A10.32 and Z359-2007, and CSA standards

REF.	HARNES CONNECTION	ANCHORAGE CONNECTION
10 180 15	twistlock	twistlock
10 180 13	twistlock	scaff hook (65mm)
10 180 14	twistlock	scaff hook (65mm)
10 179 00	twistlock	snap hook (21mm)

► Conforms to EN360



TWIN TURBO™ SYSTEM

AN EFFECTIVE SOLUTION WHEN WORKING WITH LOW FALL CLEARANCE

▲ BENEFITS: Replacement for double-legged shock-absorbing lanyards

- Easily adapts two (2) lightweight Miller TurboLite™
- For continuous 100% tie-off
- Easy-to-use and assemble/disassemble
- Easily remove TurboLite from D-Ring connector for inspection/cleaning/replacement

► FEATURES: New patent-pending Miller Twin Turbo™ D-Ring connector

- Innovative design that easily connects to the back D-ring of any full body harness
- Increases worker productivity and versatility with freedom of movement
- Permits TurboLite to swivel in multiple directions for greater mobility
- Swivel action prevents webbing from twisting and binding inside the unit
- Webbing payout smoothly extends and retracts without interruption
- Weight bracket: 0.395kg
- Weight: Twin Turbo: 2.1kg

REF.

10 297 15 Twin Turbo bracket

10 297 16 Twin Turbo bracket & two TurboLite 1018013 with 2 aluminium scaff hook

► Conforms to EN362: 2004 (OSHA 1926.502, 1910.66 ; ANSI Z359-2007 et A10.32 et CSA Z259.12-01)

*THE CE STANDARD REQUIRES INSPECTION BY A TRAINED COMPETENT PERSON, FOLLOWING THE MILLER REPAIR GUIDE.

Self retracting lifeline webbing



MINILITE™
FALL ARREST BLOCK WITH A QUICK-ACTIVATING
BRAKING SYSTEM THAT LIMITS FREE FALLS
3M – SELF RETRACTING WEBBING LIFELINE

- ▲ **BENEFITS:**
- Increased freedom of movement
 - Long product durability
 - Lightweight
 - No annual factory re-certification required* – Lowers cost of ownership and increases productivity
- **FEATURES:**
- High-impact composite housing and corrosion resistant interior, frame and components
 - High-strength stainless steel quick activating braking system that limits free fall to centimetres
 - Lightweight, compact design that fits in the palm of your hand, only 1.1kg
 - Visual fall indicator – indicates when the unit must be removed from service

REF.	LENGTH	ANCHORAGE CONNECTION	HARNESS CONNECTION
10 061 00	MI10 – 3.3m	swivel snap hook (22mm)	CS20
10 061 01	MI11 – 3.3m	swivel scaff hook (50mm)	snap hook (22mm)
10 061 02	MI12 – 3.3m	snap hook (22mm)	CS20

» Conforms to EN360



MI 20
2.5M – RETRACTABLE
POLYAMIDE WEBBING
LIFELINE

- ▲ **BENEFITS:**
- Working capacity of 2.5m
 - Reduces the impact force of a fall
- **FEATURES: Inertia reel fall arrester**
- Integral shock-absorber

REF.	LENGTH
10 028 71	2.5m

» Conforms to EN360



TITAN™ CMS
PERSONAL FALL
ARRESTER IDEAL
FOR LOW LEVEL WORK

- ▲ **BENEFITS:**
- Reduced fall clearance requirements
 - Reduced fall impact forces
- **FEATURES: 2.5m working capacity**
- Integral shock-absorbing pack
 - Quick-activating braking mechanism
 - 50mm wide webbing lifeline
 - Supplied with or without screwgate karabiners
 - Supplied with or without protective housing

REF.	ANCHORAGE CONNECTION	HARNESS CONNECTION
10 083 29	no connector	no housing
10 083 32	no connector	with housing
10 083 34	2 karabiners	with housing

» Conforms to EN360



FALCON™ 6M BLOCK
6M-SELF RETRACTING WEBBING LIFELINE

- ▲ **BENEFITS: Increased Service Life**
- Units are repairable and require no annual factory recertification* – lowers cost of ownership
 - Nylon casing comes with a lifetime guarantee
 - Best length/weight ratio on the market (6m unit weighs only 1.5kg)

- **FEATURES:**
- Lightest, most compact 6m web self-retracting lifeline
 - Quick activating braking mechanism
 - Webbing provides extremely high abrasion resistance (tested > 20,000 cycles)
 - Offers Xtreme durability with a strong, composite housing
 - Swivel at the top of unit to prevent lifeline from twisting during use

REF.	ANCHORAGE CONNECTION	HARNESS CONNECTION
10 167 93	swivel	
10 167 94	scaff hook (63mm)	screwgate
10 167 95	screwgate	screwgate
10 167 96	screwgate	snap hook (22mm)

» Conforms to EN360



SCORPION™ BLOCK
AFFORDABLE ALTERNATIVE TO SHOCK-ABSORBING
LANYARDS REQUIRING REDUCED FALL CLEARANCE
2.7M – SELF RETRACTING WEBBING LIFELINE

- ▲ **BENEFITS: Reduced fall arrest forces**
- Unique snap-hook design for easy attachment to harness D-ring
 - Eliminates the need for an extended fall distance clearance
 - The retractable lifeline reduces the risk of tripping or snagging
 - No annual factory re-certification required* – lowers cost of ownership and increases productivity

- **FEATURES: Greater mobility and prevents tripping hazards**
- Quick-activating, high-strength stainless steel braking system
 - Compact and lightweight (1.6 kg)
 - Visual fall indicator – indicates when the unit must be removed from service
 - Corrosion-resistant internal parts
 - High impact polymer cover
 - Stainless steel/aluminium body
 - Lifeline material: polyamide webbing
 - Swivel at the top of unit to prevent lifeline from twisting during use

REF.	LENGTH	ANCHORAGE CONNECTION	HARNESS CONNECTION
10 085 88	2.8m	scaff hook (63mm)	snap hook
10 085 87	2.7m	screwgate karabiner	snap hook
10 085 94	2.8m	alloy scaff hook (63mm)	karabiner
10 085 93	2.7m	alloy scaff hook (63mm)	snap hook for D-ring

» Conforms to EN360

*THE CE STANDARD REQUIRES INSPECTION BY A TRAINED COMPETENT PERSON, FOLLOWING THE MILLER REPAIR GUIDE.

Self retracting lifeline technical guide

LENGTH	REF.	STANDARD	CABLE		WEBBING	FALL FACTOR	ANCHORAGE CONNECTION		HARNESS CONNECTION		FALL INDICATOR	WEIGHT	PAGE No.
			Galvanised	Stainless Steel			Karabiner	Swivel	Swivel	Harness connection			
Falcon™													
6.2m	1011728	EN360	•			0 - 1 - 2	Screwgate	•	•	Steel snap hook	At snap hook	4kg	58
10m	1011742	EN360	•			0 - 1 - 2	Screwgate	•	•	Steel snap hook	At snap hook	5kg	58
15m	1011746	EN360	•			0 - 1 - 2	Screwgate	•	•	Steel snap hook	At snap hook	6.7kg	58
20m	1011750	EN360	•			0 - 1 - 2	Screwgate	•	•	Steel snap hook	At snap hook	7.6kg	58
6.2m	1011729	EN360		•		0 - 1 - 2	Screwgate	•	•	Steel snap hook	At snap hook	4kg	58
10m	1011743	EN360		•		0 - 1 - 2	Screwgate	•	•	Steel snap hook	At snap hook	5kg	58
15m	1011747	EN360		•		0 - 1 - 2	Screwgate	•	•	Steel snap hook	At snap hook	6.7kg	58
20m	1011751	EN360		•		0 - 1 - 2	Screwgate	•	•	Steel snap hook	At snap hook	7.6kg	58
6.2m	1028680	EN360		•		0 - 1 - 2		•	•	Stainless steel snap hook	At snap hook	4kg	58
10m	1028681	EN360		•		0 - 1 - 2		•	•	Stainless steel snap hook	At snap hook	5kg	58
15m	1028682	EN360		•		0 - 1 - 2		•	•	Stainless steel snap hook	At snap hook	6.7kg	58
20m	1028683	EN360		•		0 - 1 - 2		•	•	Stainless steel snap hook	At snap hook	7.6kg	58
10m	1017921	ATEX					Screwgate	•	•	Steel snap hook	At snap hook	5kg	58
Note: Factor 2 only with steel sling													

Black Rhino													
2.7m	1012410	EN360		•		0 - 1	Screwgate	•	•	Steel snap hook	At snap hook	2kg	59
2.7m	1012392	EN360		•		0 - 1	Scaffold hook	•	•	Steel snap hook	At snap hook	2.3kg	59

Mightylite													
6.2m	1002820	EN360	•			0 - 1			•	Steel snap hook	At snap hook	4kg	59
10m	1004571	EN360	•			0 - 1			•	Steel snap hook	At snap hook	5.6kg	59
15m	1004573	EN360	•			0 - 1			•	Steel snap hook	At snap hook	9.5kg	59
20m	1004572	EN360	•			0 - 1			•	Steel snap hook	At snap hook	14.9kg	59
30m	1004574	EN360	•			0 - 1			•	Steel snap hook	At snap hook	19kg	59
40m	1004575	EN360	•			0 - 1			•	Steel snap hook	At snap hook	23.6kg	59
15m	1004592	EN360		•		0 - 1			•	Steel snap hook	At snap hook	9.5kg	59
20m	1004593	EN360		•		0 - 1			•	Steel snap hook	At snap hook	14.9kg	59
30m	1004594	EN360		•		0 - 1			•	Steel snap hook	At snap hook	19kg	59
40m	1004595	EN360		•		0 - 1			•	Steel snap hook	At snap hook	23.6kg	59
6.2m	1002827	EN360			•	0 - 1			•	Steel snap hook	At snap hook	3.5kg	59
15.5m	1002828	EN360			•	0 - 1			•	Steel snap hook	At snap hook	9.4kg	59

Mighty Evac													
15m	1005149	EN360	•			0 - 1			•	Steel snap hook	At snap hook	13.5kg	59
30m	1005160	EN360	•			0 - 1			•	Steel snap hook	At snap hook	24.7kg	59
40m	1005161	EN360	•			0 - 1			•	Steel snap hook	At snap hook	27.6kg	59
15m	1014390	EN360		•		0 - 1			•	Steel snap hook	At snap hook	11.2kg	59
30m	1014370	EN360		•		0 - 1			•	Steel snap hook	At snap hook	18.5kg	59

Turbolite													
2m	1018015	EN360. ANSI. OSHA			•	0 - 1 - 2	Screwgate	•		Screwgate	Web shock absorber	0.86kg	61
2m	1018013	EN360. ANSI. OSHA			•	0 - 1 - 2	Screwgate	•		Scaffold hook	Web shock absorber	0.86kg	61
2m	1018014	EN360. ANSI. OSHA			•	0 - 1 - 2	Scaffold hook	•		Screwgate	Web shock absorber	0.86kg	61
2m	1017900	EN360. ANSI. OSHA			•	0 - 1 - 2	Screwgate	•		Steel snap hook	Web shock absorber	0.86kg	61

LENGTH	REF.	STANDARD	CABLE		WEBBING	FALL FACTOR	ANCHORAGE CONNECTION		HARNESS CONNECTION		FALL INDICATOR	WEIGHT	PAGE No.
			Galvanised	Stainless Steel			Karabiner	Swivel	Swivel	Harness connection			

Twin Turbo													
2m	1029716	EN360. ANSI. OSHA			•		Twin turbo D-Ring			2 x Scaffold hook	Web shock absorber	2.1kg	61

Falcon™													
6m	1016793	EN360			•	0 - 1		•				1.5kg	63
6m	1016794	EN360			•	0 - 1	Scaffold hook	•		Screwgate		1.9kg	63
6m	1016795	EN360			•	0 - 1	Screwgate	•		Screwgate		1.6kg	63
6m	1016796	EN360			•	0 - 1	Screwgate	•		Snap hook		1.6kg	63

Scorpion™													
2.8m	1008588	EN360			•	0 - 1	Scaffold hook	•		Snap hook	Web shock absorber	2kg	63
2.7m	1008587	EN360			•	0 - 1	Screwgate	•		Snap hook	Web shock absorber	2kg	63
2.8m	1008594	EN360			•	0 - 1	Screwgate	•		Scaffold hook	Web shock absorber	2kg	63
2.7m	1008593	EN360			•	0 - 1	Snap hook	•		Scaffold hook	Web shock absorber	2kg	63

Scorpion™ Edge tested													
2.7m	1016840	EN360:2002; CNB/P/11.060			•	0 - 1 - 2	Screwgate	•		Snap hook	Web shock absorber	1.5kg	60
2.7m	1016841	EN360:2002; CNB/P/11.060			•	0 - 1 - 2	Scaffold hook	•		Screwgate	Web shock absorber	1.75kg	60
2.7m	1016842	EN360:2002; CNB/P/11.060			•	0 - 1 - 2	Scaffold hook	•		Snap hook	Web shock absorber	1.75kg	60

Minilite													
3m	1006100	EN360			•	0 - 1	Snap hook		•	Screwgate	Web shock absorber	1.1kg	62
3m	1006101	EN360			•	0 - 1	Scaffold hook		•	Snap hook	Web shock absorber	1.1kg	62
3m	1006102	EN360			•	0 - 1	Snap hook		•	Screwgate	Web shock absorber	1.1kg	62

MI20													
2.5m	1002871	EN360			•	0 - 1	Screwgate			Screwgate	Web shock absorber	1.4kg	62

Titan™ CMS													
2.5m	1008329	EN360			•	0 - 1					Web shock absorber	0.82kg	62
2.5m	1008332	EN360			•	0 - 1					Web shock absorber	0.94kg	62
2.5m	1008334	EN360			•	0 - 1	Screwgate			Screwgate	Web shock absorber	1.1kg	62

LANYARDS

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ROPE SHOCK-
ABSORBING
LANYARDS



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WEBBING
SHOCK-ABSORBING
LANYARDS
FORKED WEBBING
LANYARDS



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RESTRAINT
LANYARDS
WORK
POSITIONING
LANYARDS



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MANYARD®
BARRACUDA™
EDGE-TESTED
MANYARD®
EDGE-TESTED
LANYARD



MILLER LANYARDS FEATURES

Energy shock absorber



Featuring a built-in absorber which limits the fall arrest force in a fall situation to 6 kn.

Adjustable



Fall arrest, restraint or work positioning lanyard can be easily adjusted to the length needed to work safely and comfortably.

Elasticated Manyard®



Light and stretchable, it moves with the worker and reduces tripping or snagging hazards.

Edge tested



Innovative technology for working on edges, features webbing with special heat and cut resistance.

Connectors



Connectors are available to attach to different anchorage points.

Lanyards

A lanyard is used to connect the workers harness to the anchorage point as an intermediate attachment when working at height. A connecting lanyard may be one of the 2 types: **Fall Restraint** or **Fall Arrest**



SHOCK ABSORBING LANYARD OR MANYARD®

To prevent the risk of a fall, it is made of rope or webbing and comes with a variety of connectors. With a maximum of 2m length, it includes a shock absorber to dissipate the forces on the body in case of a fall.

REF. 10 053 24



FORKED LANYARD OR MANYARD®

Used to ensure a permanent connection to an anchorage point at all times when climbing on and around the work place. Maintaining an anchorage connection as high as possible minimises the fall clearance, reducing the effect of a fall by stopping impact with structure.

REF. 10 134 31



EDGE TESTED LANYARD OR MANYARD®

To prevent the risk of failure on an edge during work at height, requires a two-fold solution: fall arrest equipment has been developed with resistance to failure on edges whilst also absorbing the fall arrest forces.

REF. 10 168 49



RESTRAINT LANYARD

A restraint lanyard is used to restrict the worker movement to prevent him reaching a location where a fall hazard exist.

REF. 10 028 81



WORK POSITIONING LANYARD

Used to allow hands free work, to complement a fall arrest system. The length is easily adjustable with one hand to fit around the structure and then onto the side D-rings of the harness' belt.

REF. 10 031 10

Rope shock-absorbing lanyards

The choice is primarily one of preference since they both offer the same high level of performance. Available with a variety of attachments and designed to better meet fall protection needs.



TITAN™ B
ROPE SHOCK-ABSORBING LANYARD
NO CONNECTORS

REF. 10 082 75 LENGTH 1.8m



TITAN™ B1
ROPE SHOCK-ABSORBING LANYARD WITH SNAP HOOK AND SCREWGATE KARABINER

REF. 10 082 76 LENGTH 2.0m



TITAN™ C3
ROPE SHOCK-ABSORBING LANYARD WITH SCREWGATE KARABINER AND SCAFFOLD HOOK (63MM OPENING)

REF. 10 082 81 LENGTH 2.0m



ME52
ROPE LANYARD WITH SHOCK ABSORBER, 1.5M TO 2M

- ▲ **BENEFIT: Cost-effective choice for fall protection**
- Adapted to harsh work conditions and difficult work environments
 - Small size for reduce weight
 - Easy to handle and carry

- **FEATURES:**
- Made of highly resistant and durable 12mm polyamide rope

REF. 10 029 07

MODEL	REFERENCE	LENGTH (M)	12MM ROPE	USER CONNECTOR	ANCHORAGE CONNECTOR
ME51	1002906	2	•	CS20	63mm aluminium Scaffold hook
ME52	1002907	2	•	CS20	CS20
AMORSTOP	1003216	1.5	•	CS20	CS20
ME53	1004578	2	•	CS20	22mm Snap hook
ME53	1005290	1.5	•	CS20	22mm Snap hook
ME54	1004591	2	•	CS20	55mm Scaffold hook
ME54	1005278	1.5	•	CS20	55mm Scaffold hook
AMORSTOP	1003215	2	•	CS20	65mm Scaffold hook
AMORSTOP	1003220	1.3	•	None	None

Webbing shock-absorbing lanyards



ME02
WEBBING LANYARD WITH SHOCK ABSORBER, 1.5M TO 2M

▲ **BENEFIT:** Cost-effective choice for fall protection

- Adapted to harsh work conditions and difficult work environments
- Small size for reduces weight
- Easy to handle and carry

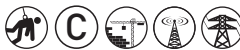
► **FEATURES:**

- Made of highly resistant and durable 23mm polyester webbing



TITAN™ A2
WEBBING SHOCK ABSORBING LANYARD WITH SCREWGATE KARABINER









REF.	LENGTH
10 143 30	1.5m



TITAN™ A3
WEBBING SHOCK ABSORBING LANYARD WITH SCREWGATE KARABINER AND SCAFFOLD HOOK (63MM)

REF.	LENGTH
10 134 30	2m
10 151 40	1.75m

WEBBING SHOCK ABSORBING LANYARD

MODEL	REFERENCE	LENGTH (M)	12MM ROPE	USER CONNECTOR	ANCHORAGE CONNECTOR
ME00	1002901	1.8	•	None	None
ME02	1002903	2	•	CS20 	CS20 
ME03	1002904	2	•	ML06 	ML06 
ME06	1005279	1.5	•	ML00 	65mm Scaffold hook 
ME06	1004579	2	•	ML00 	65mm Scaffold hook 

Forked webbing lanyards

TWIN SHOCK ABSORBING LANYARD WITH ANCHORAGE CONNECTORS



1.5M TO 2M WEBBING FORKED LANYARD 100% TIE-OFF

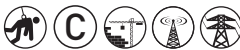
▲ **BENEFITS:** Permanently connected when moving

- Easily connected and removed
- Double-legged lanyard to move around whilst being connected at all times
- Compact, light-weight shock-absorber

► **FEATURES:** Lightweight & versatile fall arrest lanyard designed for maximum protection

- Robust polyester webbing 23mm
- Integrated polyamide shock-absorber

REF.	LENGTH	CONNECTORS
10 029 02	2m	3 Screwgate karabiners (18mm opening)
10 045 90	2m	Screwgate karabiner and 2 scaff hooks (63mm opening)
10 032 32	1m	Screwgate karabiner + 2 G060 (60mm)
10 051 31	1.5m	Screwgate karabiner + 2 G060 (60mm)
10 032 35	2m	Screwgate karabiner + 2 G060 (60mm)
10 032 33	1m	¼ Twistlock karabiner + 2 scaff hooks (65mm)



TITAN™
CONNECTORS: 2 SCAFFOLD HOOKS (63MM) AND SCREWGATE KARABINER

REF.	LENGTH
10 134 31	2m



ATEX LANYARD

▲ **BENEFITS:**

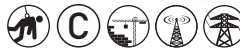
- Prevents risk of electrostatic discharge igniting an explosive atmosphere

► **FEATURES:**

- Energy absorber
- 2 G060 karabiner and 1 twist lock karabiner
- Antistatic polyester webbing 25mm
- Shock absorber : Polyester/Polyamide

REF.
10 158 59

► Standard: EN 355. Directive ATEX 94/9/CE, EN 13463-1 (2001), EN 13463-5 (2003)



TIE-BACK FORKED SHOCK-ABSORBING LANYARD
TECHNICAL FALL ARREST LANYARD

▲ **BENEFITS:**

- Forked lanyard for 100% tie-off: Ideal for ascension of a tower or ladder
- Shock-absorber limits fall arrest forces < 6kn

► **FEATURES:**

- 1.5m webbing lanyard with shock-absorber, and 4 loops
- Multi-point attachment system so that the lanyard can be used in tie-back
- Compact and lightweight

REF.	CONNECTORS
10 070 13	3 captive eye karabiners (18mm opening)
10 070 15	without connectors
10 102 06	with 2 scaff hooks 65mm

Restraint lanyards

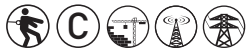
A restraint lanyard is used to restrict the worker’s movement to prevent him reaching a location where a fall hazard exists.



ME00 – MD06

- ▲ **BENEFITS:** Lightweight
 - With or without connectors
- **FEATURES :** Polyamide rope – 12mm
 - Available length from 0.35m to 2m
 - Galvanised connectors
 - Spliced loop with protective plastic thimble

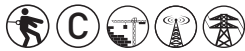
REF.
10 028 81
10 028 87



TITAN™













- ▲ **BENEFITS:** Lightweight
 - With or without connectors
- **FEATURES:** Polyamide rope – 12mm
 - Available length from 1m to 2m
 - Galvanised connectors
 - Spliced loop with protective plastic thimble

REF.	LENGTH
TITAN™	
10 082 70	1m
10 082 71	1.5m
10 082 72	2m

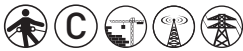


TITAN™ R14

ADJUSTABLE WITHOUT CONNECTORS
REF.
10 082 73 1.8m

MODEL	REFERENCE	LENGTH (M)	CONNECTOR	CONNECTOR
MD00	1002881	1	Loop 	ML00 
MD00	1002882	2	Loop 	ML00 
MD02	1002883	1	CS20 	CS20 
MD02	1002884	2	CS20 	CS20 
MD02	1004711	1.5	CS20 	CS20 
MD06	1002887	0.35	Loop 	2 x ML00 

Work positioning lanyards



REGLEX 3000

- OFFERS A CONTINUOUS ADJUSTMENT, THIS WORK-POSITIONING LANYARD CAN BE EASILY OPERATED WITH ONE-HAND.
- 2m to 4m - Work positioning lanyard equipped with a cam type adjuster in stainless steel
- ▲ **BENEFITS:** User friendly
 - Allows the operator a comfortable hands-free work position
 - Easy to use and to setup
 - One hand adjustment
 - End splice to prevent the rope adjuster to be removed

- **FEATURES:** Designed to fit around a structure and connect to harness side D-rings
 - Cam type adjuster in stainless steel
 - Polyester, 14mm, 3-strand rope
 - Progressive adjustment
 - With or without rope protection sleeve
 - Double action snap hook

REF.	LENGTH
With protection sleeve	
10 031 10	2m
10 031 11	3m
10 031 12	4m
Without protection sleeve	
10 031 04	2m
10 031 05	3m
10 031 06	4m



MC03

- 2M TO 4M
- ▲ **BENEFITS:** Ideal for those who have to work at height in a safe and supported hands-free position
 - Easy to use
 - Adjustable
 - Easy to connect to the side D-rings of the harness
 - **FEATURES:** Easy to use
 - Jaw type length adjuster for progressive one-handed adjustment
 - Ø 16mm polyamide rope
 - Connectors: galvanised steel karabiner and alloy snap hook, 22mm opening

REF.	LENGTH
10 028 78	2m
10 028 79	3m
10 028 80	4m

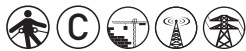


TITAN™

- ADJUSTABLE WORK POSITIONING LANYARD
- ▲ **BENEFITS:**
 - Easy to use
 - Adjustable
 - **FEATURES:**
 - Adjustable 12mm or 14mm polyamide rope lanyard
 - Length 1.8m to 2m
- | REF. | LENGTH | CONNECTORS |
|-----------|--------|------------------------------|
| 12MM | | |
| 10 082 85 | 1.80m | No connector |
| 10 082 87 | 2m | Loop and twistlock karabiner |
| 10 082 88 | 2m | 2 twistlock karabiners |
| 14MM | | |
| 10 082 86 | 2m | Loop and 20mm snap hook |

Manyard® lanyard shock absorbing

Light and stretchable, Manyard® moves with you.



STRETCHABLE SHOCK-ABSORBING LANYARD

FOR REDUCED TRIPPING HAZARDS

▲ BENEFITS: Reduces fall arrest forces

- A unique stretchable design for greater manoeuvrability and safety
- When contracted, it greatly reduces the risk of tripping, snagging and dragging
- Reliable visual inspection
- Improved durability

► FEATURES: Improves safety and reliability

- Heavy-duty tubular outer jacket acts as a protective sleeve
- Polyamide webbing
- Special woven shock-absorbing inner core
- Unique warning flag provides visual proof that a lanyard has been involved in a fall
- The integral red core becomes visible if the outer jacket is damaged or worn, and unfit for service
- Hi-tech protective finish on the outer tubular jacket prolongs the service life of the Manyard®
- Supplied with a pull away connection clip attaches to the harness to hold the Manyard® when not in use, thus limiting tripping risks

► Conforms to EN355

REF.	LENGTH
ME86 – Manyard® with 63mm scaffold hook and galvanised connector	
10 053 24	1.5m
10 053 25	2m

ME82 – Manyard® with 2 galvanised connectors (ML00)	
10 053 17	1.5m
10 053 18	2m

ME83 – Manyard® with snap hook and galvanised connector	
10 053 26	1.5m
10 053 27	2m

Forked Manyard® with two 63mm scaffold hook and galvanised connector	
10 139 70	1.5m
10 134 91	2m

Barracuda™ lanyard

Scaffolding lanyard

The ultimate fall protection solution for scaffolders.



BARRACUDA™

COMBINATION OF VERTICAL ANCHORAGE CLAMP WITH A FALL ARREST LANYARD IN ONE COMPACT UNIT
1.75M SCAFFOLDING LANYARD

▲ BENEFITS: Safer fall arrest system for vertical scaffolding tubes

- Elasticated lanyard reduces tripping and snagging hazards
- Enhances safety of workers erecting, dismantling and altering scaffolding
- Allows anchorage above waist height reducing fall arrest forces and the risk of injury
- One hand operation

► FEATURES: Gripping mechanism locks on the vertical tube under load

- Vertical scaffold clamp and screwgate karabiner
- Integrated shock absorber
- For tube diameter from 48.3 to 50mm
- Polypropylene grip for easy handling
- Weight: 1.2kg including lanyard
- Hi-tech protective finish helps to prolong the service life of the unit
- Stainless steel connecting device for corrosion resistance

REF.	DESCRIPTION
10 104 70	Barracuda™ 1.75m Elasticated Manyard®
10 101 41	Barracuda™ 1.75m Lanyard with shock absorber
10 086 71	Adjustable Barracuda™ 1.2m Lanyard with shock absorber

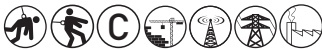
► Conforms to EN355 and EN795b



Edge-tested

Shock absorbing lanyard and Manyard®

Edge resistant lanyards & Manyards: Unique solutions to solve the technical problem posed by the breakage of fall protection equipment on edges!



FALL PROTECTION IN EDGE SITUATIONS

▲ BENEFITS: Mechanical properties resistant against cutting and shearing

- Shock absorber reduces forces < 6kn
- Reduces fall arrest forces
- Stretchable: reduced product length, avoids the risk of tripping or snagging
- Increased security & guaranteed reliability
- Innovative technology
- Elasticity and shearing resistance

► FEATURES: Patented core-yarn technology

- Identifiable green tubular webbing with a black stripe
- Wrapped filament combining two types of thread: one shock absorbent and one abrasion resistant
- Integrated shock absorber
- Built-in warning flag

► Conforms to the standard EN355: 2002

EDGE-TESTED SHOCK ABSORBING MANYARD®

REFERENCE	DESCRIPTION	USER CONNECTOR	ANCHORAGE CONNECTOR
1017916	2m MANYARD® Edge tested + Scaffold hook with large opening + Screwgate karabiner	Steel screwgate karabiner CS20	Scaffold hook, large opening aluminium 65mm
1017918	2m MANYARD® Edge tested + 2 Screwgate karabiners	Steel screwgate karabiner CS20	Steel screwgate karabiner CS20
1028520	1.5m twin MANYARD® Edge tested	Steel screwgate karabiner CS20	Scaffold hook, large opening 55mm
1028521	2m twin MANYARD® Edge tested	Steel screwgate karabiner CS20	Scaffold hook, large opening 55mm
1028522	2m twin MANYARD® Edge tested	Steel screwgate karabiner CS20	Scaffold hook, large opening 65mm
1028523	1.5m twin MANYARD® Edge tested	Steel screwgate karabiner CS20	Scaffold hook, large opening 65mm

EDGE-TESTED KERNMANTEL SHOCK ABSORBING LANYARDS

LANYARD	DESCRIPTION	USER CONNECTOR	ANCHORAGE CONNECTOR
1016847	Rope lanyard with shock absorber 2m D12 Edge tested	Snap hook, small opening aluminium	Scaffold hook, large opening aluminium
1016848	Rope lanyard with shock absorber 2m D12 Edge tested	Steel screwgate karabiner CS20	Steel screwgate karabiner CS20
1016849	Rope lanyard with shock absorber 2m D12 Edge tested	Steel screwgate karabiner CS20	Scaffold hook, large opening aluminium 65mm
1016850	Rope lanyard with double shock absorber 1.5m D12 Edge tested	Steel screwgate karabiner CS20	2 x Scaffold hook, large opening aluminium 55mm
1018035	Rope lanyard with double shock absorber 1.5m D12 Edge tested	Aluminium screwgate karabiner CS20	2 x Scaffold hook, large opening aluminium 110mm

Lanyards technical guide

MODEL	STANDARDS	WEIGHT	WEBBING	ROPE	SIMPLE	FORKED	1 METER	1.5 METER	1.8 METER	2 METERS	USER CONNECTOR	ANCHORAGE CONNECTOR	PAGE N.º
SHOCK ABSORBING LANYARD AND MANYARD®													
AMORSTOP	EN355	400g		•	•			1003220			None	None	69
AMORSTOP	EN355	625g		•	•			1003216			CS20	CS20	69
ME54	EN355	940g		•	•			1005278			CS20	Scaff hook 55mm	69
ME53	EN355			•	•			1005290			CS20	Snap hook	69
Titan™ B	EN355	400g		•	•				1008275		Thimbled loops	Absorber	69
ME51	EN355	1,030g		•	•					1002906	CS20	Scaff hook 65mm	69
ME52	EN355	770g		•	•					1002907	CS20	CS20	69
ME53	EN355	750g		•	•					1004578	CS20	Snap hook	69
ME54	EN355	980g		•	•					1004591	CS20	Scaff hook 55mm	69
AMORSTOP	EN355	954g		•	•					1003215	CS20	Scaff hook 65mm	69
Titan™ B1	EN355	637g		•	•					1008276	CS20	Snap hook	69
Titan™ C3	EN355	870g		•	•					1008281	CS20	Scaff hook 65mm	69
Titan™	EN355	930g	•		•			1014330			CS20	CS20	70
ME00	EN355	340g	•		•				1002901		No	No	70
ME02	EN355	680g	•		•					1002903	CS20	CS20	70
ME03	EN355	510g	•		•					1002904	Triple action	Triple action	70
ME06	EN355	900g	•		•			105279		1004579	CS20	Scaff hook 65mm	70
Titan™ A2 / A3	EN355	760g	•		•				1015140	1013430	CS20	Scaff hook 65mm	70
Forked lanyard	EN355	720g	•			•		1003232			1/4 Turn	2xG060	71
Forked lanyard	EN355	1,240g	•			•		1003233			1/4 Turn	2xScaff hook 65mm	71
Forked lanyard	EN355	850g	•			•		1005131			1/4 Turn	2xG060	71
Forked lanyard	EN355	640g	•			•		1007013			1/4 Turn	Twist lock	71
Forked lanyard	EN355	440g	•			•		1007015			No	No	71
Forked lanyard	EN255	1,010g	•			•		1010206			1/4 Turn	2xScaff hook 65mm	71
ME05	EN355	1,500g	•			•				1004590	CS20	2xScaff hook 65mm	70
ME01	EN355	940g	•			•				1002902	1/4 Turn	2xCS20	70
Forked lanyard	EN355	922g	•			•				1003235	1/4 Turn	2xG060	71
Titan™	EN355	1,550g	•			•				1013431	CS20	2xScaff hook 65mm	75
Edge tested	EN355	1,077g		•	•					1016847	SnapHook	Scaff hook 65mm	75
Edge tested	EN355	815g		•	•					1016848	CS20	CS20	75
Edge tested	EN355	1,096g		•	•					1016849	CS20	Scaff hook 65mm	75
Edge tested	EN355	1,480g		•		•		1016850			CS20	2xScaff hook 65mm	75
Edge tested	EN355	2,600g		•		•		1018035			CS20	2xG0100	75
Atex	EN355/ATEX		•			•		1015859			CS20	2xG060	71

STRETCHABLE SHOCK ABSORBING LANAYRD													
Manyard® ME86	EN355	950g	•		•			1005324			CS20	Scaff hook 65mm	74
Manyard® ME82	EN355	620g	•		•			1005317			CS20	CS20	74
Manyard® ME83	EN355	680g	•		•			1005326			CS20	Snap Hook	74
Manyard® ME86	EN355	980g	•		•					1005325	CS20	Scaff hook 65mm	74
Manyard® ME82	EN355	740g	•		•					1005318	CS20	CS20	74
Manyard® ME83	EN355	780g	•		•					1005327	CS20	Snap hook	74
Barracuda	EN355/EN795	1,310g	•		•				1010470 (1.75m)		CS20	Barracuda	74
Edge tested	EN355	1,260g	•		•					1017916	CS20	Scaff hook 65mm	75
Edge tested	EN355	920g	•		•					1017918	CS20	CS20	75
Barracuda	EN355/EN795	1,215g		•	•			1008671 (1.20m)			CS20	Barracuda	75
Barracuda	EN355/EN795	1,195g		•	•				1010141 (1.75m)		CS20	Barracuda	75
Twin Edge tested lanyard	EN355	1,680g	•			•				1018521	CS20	2xScaff hook 55mm	75

MODEL	STANDARDS	WEIGHT	WEBBING	ROPE	SIMPLE	FORKED	1 METER	1.5 METER	1.8 METER	2 METERS	USER CONNECTOR	ANCHORAGE CONNECTOR	PAGE N.º
STRETCHABLE SHOCK ABSORBING LANAYRD													
Twin Edge tested lanyard	EN355	1,580g	•			•				1028522	CS20	2xScaff hook 65mm	75
Twin Manyard®	EN355	1,700g	•			•		1013970			CS20	2xScaff hook 65mm	75
Twin Manyard®	EN355	1,900g	•			•				1013491	CS20	2xScaff hook 65mm	75
RESTRAINT LANYARD													
MD00	EN354	300g		•	•		1002881				Spliced loops	CS20	72
MD02	EN354	480g		•	•		1002883				CS20	CS20	72
Titan™	EN354	150g		•	•		1008270				Thimbled loops	Thimbled loops	72
MD02	EN354	530g		•	•			1004711			CS20	CS20	72
Titan™	EN354	190g		•	•			1008271			Thimbled loops	Thimbled loops	72
Titan™	EN354	335g		•	•				1008273		Thimbled loops	Thimbled loops	72
MD02	EN354	400g		•	•					1002882	Spliced loops	CS20	72
MD02	EN354	580g		•	•					1002884	CS20	CS20	72
Titan™	EN354	275g		•	•					1008272	Thimbled loops	Thimbled loops	72
WORK POSITIONING LANYARD													
Titan™	EN358	320g		•	•				1008285		No	No	73
MC03	EN358	940g		•	•					1002878	Spliced loops	Snap hook	73
MC03	EN358	1,130g		•	•					1002879 (3m)	Spliced loops	Snap hook	73
MC03	EN358	1,280g		•	•					1002880 (4m)	Spliced loops	Snap hook	73
Reglex 3000 + rope protector	EN358	1,170g		•	•					1003110	Spliced loops	Snap hook	73
Reglex 3000 + rope protector	EN358	1,308g		•	•					1003111 (3m)	Spliced loops	Snap hook	73
Reglex 3000 + rope protector	EN358	1,436g		•	•					1003112 (4m)	Spliced loops	Snap hook	73
Reglex 3000 + rope protector	EN358	1,080g		•	•					1003104	Spliced loops	Snap hook	73
Reglex 3000 + rope protector	EN358	1,230g		•	•					1003105 (3m)	Spliced loops	Snap hook	73
Reglex 3000 + rope protector	EN358	1,380g		•	•					1003106(4m)	Spliced loops	Snap hook	73
Titan™	EN358	600g		•	•					1008286	Spliced loops	Snap hook	73
Titan™	EN358	400g		•	•					1008287	Spliced loops	Twist lock	73
Titan™	EN358	450g		•	•					1008288	CS20	CS20	73

Rope and Cable Fall Arresters

Light, industry-proven, stainless steel automatic or manual fall arresters, rope grabs and cable grabs prevent workers from falling during ascent or descent for both vertical and horizontal applications. Particularly useful on sloping roofs where retractable lifelines may react too slowly. In the event of a fall or slip, they lock onto the rope or cable, arresting the fall immediately.



STICK RUN
ROPE GRAB FOR VERTICAL, HORIZONTAL AND SLOPING APPLICATIONS

- ▲ **BENEFITS:**
- Easy to use
 - Automatic mode for vertical user
 - Manual mode for work positioning in horizontal and sloping use
 - Stick run glides freely over the line without manual intervention
- **FEATURES:**
- Rope grab in stainless steel
 - Suitable for 10/12mm or 14/16mm rope
 - Automatic locking for vertical use
 - Weight: 0.62kg
 - Manual locking position for horizontal work and restraint purposes, repositioning manually along rope

MF51 FOR ROPE Ø
10 076 40 10mm/12mm
10 028 75 14mm/16mm

MF52 FOR ROPE Ø
10 076 18 10mm/12mm + 0.3m lanyard and connector (ML00)
10 028 76 14mm/16mm + 0.3m lanyard and connector (ML00)

► Conforms to EN353-2



ROCKER ROPE LOCK
AUTOMATIC ROPE GRAB FEATURES WORK POSITIONING FUNCTION

- ▲ **BENEFITS:**
- Fall arrester and work positioning device
 - Versatile and lightweight fall arrest system
 - Designed for use in conjunction with a manual descender or technical rope access or rescue
 - Compact and easy-to-use
 - Locking catch can be activated to hold the Rocker in position on the rope
- **FEATURES:**
- Easy-to-use automatic rope grab (EN353-2)
 - Manual rope positioning (EN353-2)
 - Length adjuster for positioning lanyard
 - Tensioning device for horizontal lifeline
 - Pulley blocking device
 - Suitable for 10/12mm rope
 - Weight: 0.17kg

REF.
10 070 31
10 102 21 black
► CE certified Rope grab: EN353-2; Work positioning EN358

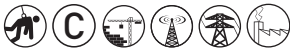


TITAN™ ROPE GRAB
ROPE GRAB FOR BOTH VERTICAL AND HORIZONTAL APPLICATIONS
AUTOMATIC ROPE GRAB WITH ANCHORAGE LINE FROM 10M TO 30M

- ▲ **BENEFITS:**
- Automatically locks onto the rope in the event of a fall
 - Moves on the rope without manual intervention
 - 0.3m lanyard and connector facilitates attachment to harness
 - Easy-to-use design with hands-free operation for maximum freedom of movement
- **FEATURES:**
- Durable and corrosion-resistant stainless steel construction
 - Lightweight
 - Includes rope anchorage line
 - Diameter 12mm

REF. LENGTH
Rope grab
10 111 90 10m
10 117 00 15m
10 111 91 20m
10 111 92 30m
Anchorage line only – diameter 12mm
10 113 44 10m
10 113 45 20m
10 113 46 30m

► CE Certified and conforms to EN353-2

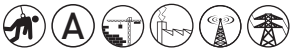


ALTOCHUT
ROPE GRAB FOR VERTICAL USE

- ▲ **BENEFITS:**
- Prevents workers from falling during ascent or descent
 - Glides freely along the rope without manual intervention
 - Offers a more comfortable attachment to the front anchorage point on the harness
- **FEATURES:**
- Rope grab in stainless steel
 - Suitable for 10/12mm or 14/16mm ropes
 - Weight: 0.5kg

REF. ROPE
10 029 33 10mm/12mm
10 029 37 14mm/16mm
10 030 64 10mm/12mm + 0.3m lanyard and connector (ML00)
10 030 71 14mm/16mm + 0.3m lanyard and connector (ML00)

► Conforms to EN353-2



ANCHORAGE LINE
SUITABLE FOR VERTICAL, HORIZONTAL AND SLOPING APPLICATIONS

- ▲ **BENEFITS:**
- Can be installed by means of the telescopic pole and anchorage connector
- **FEATURES:**
- Twisted polyamide rope or kernmantel rope
 - Supplied with galvanised connector and counterweight
 - Anchorage line is suitable for use with a 10/12mm or 14mm/16mm rope grab
 - Available in various lengths



LENGTH	TWISTED POLYAMIDE ROPE, DIAM. 14MM WITH COUNTERWEIGHT AND SCREW GATE KARABINER	KERNMANTEL ROPE, DIAM. 10.5MM WITH COUNTERWEIGHT AND SCREW GATE KARABINER	KERNMANTEL ROPE, DIAM. 11MM, WHITE	KERNMANTEL ROPE, DIAM. 11MM, BLACK	NYLON ROPE, DIAM. 12MM WITH 2 STITCHED SPLICES
10m	1002891	1007613			
20m	1002892	1007614			
25m					1011726
30m	1002893	1007615			1011723
35m					1011724
40m	1002894	1007616			
45m					
50m	1002895	1007617	1010185		
60m					
100m				1010187	
200m			1010182		

Screw gate karabiners



CS20

- Material: Steel
- Opening: 17mm
- Resistance: 25kn
- Dim.: 104 x 58mm
- Weight: 165g
- Multi-purpose snap hook

REF.
10 189 60

Conforms to Standard: EN362 Class B



CS20 ALU

- Material: Aluminium
- Opening: 17mm
- Resistance: 23kn
- Dim.: 111 x 60mm
- Weight: 80g
- Multi-purpose snap hook

REF.
10 092 76

Conforms to Standard: EN362 Class B



ML01

- Material: Aluminium
- Opening: 19mm
- Resistance: 30kn
- Dim.: 110 x 63mm
- Weight: 90g
- Pear-shaped for easier belay

REF.
10 028 33

Conforms to Standard: EN362 Class B



ML06

- Material: Aluminium
- Opening: 21mm
- Resistance: 22 kn
- Dim.: 123 x 72mm
- Weight: 93g
- All areas

REF.
10 189 61

Conforms to Standard: EN362 Class B

Twist lock karabiners



CS20

- Material: Steel
- Opening: 17mm
- Resistance: 25kn
- Dim.: 104 x 58mm
- Weight: 172g

REF.
10 189 63

Conforms to Standard : EN362 Class B



ZICRAL

- Material: Aluminium
- Opening: 16mm
- Resistance: 28kn
- Dim.: 107 x 61mm
- Weight: 75g
- Shape facilitates belay technique

REF.
10 189 68

Conforms to Standard: EN362 Class B



ZICRAL2

- Material: Aluminium
- Opening: 18mm
- Resistance: 23kn
- Dim.: 111 x 60mm
- Weight: 90g

REF.
10 083 42

Conforms to Standard: EN362 Class B



SUPER-TOP

- Material: Aluminium
- Opening: 20mm
- Resistance: 22kn
- Dim.: 123 x 70mm
- Weight: 90g

REF.
10 189 69

Conforms to Standard: EN362 Class B

Double action karabiners and hooks



G030

- Material: Aluminium
- Opening: 28mm
- Resistance: 25kn
- Dim.: 159 x 74mm
- Weight: 130g

REF.
10 043 00

Conforms to Standard: EN362 Class T



G060

- Material: Aluminium
- Opening: 60mm
- Resistance: 23kn
- Dim.: 240 x 113mm
- Weight: 244g
- Self-locking opening and rope latch

REF.
10 189 72

Conforms to Standard: EN362 Class A



SNAP HOOK

- Material: Steel
- Opening: 21mm
- Resistance: 25kn
- Dim.: 132 x 64mm
- Weight: 240g

REF.
10 189 73

Conforms to Standard: EN362 Class T



G055

- Material: Steel
- Opening: 55mm
- Resistance: 23kn
- Dim.: 218 x 115mm
- Weight: 450g

REF.
10 092 49

Conforms to Standard: EN362 Class A



G085

- Material: Steel
- Opening: 85mm
- Resistance: 23kn
- Dim.: 332 x 160mm
- Weight: 840g

REF.
10 092 58

Conforms to Standard: EN362 Class A



G0100

- Material: Aluminium
- Opening: 110mm
- Resistance: 27kn
- Dim.: 350 x 165mm
- Weight: 900g

REF.
10 189 76

Conforms to Standard: EN362 Class A

Triple action karabiners



FRELON

- Material: Aluminium
- Opening: 22mm
- Resistance: 22kn
- Dim.: 117 x 77mm
- Weight: 100g
- Pear-shaped for easier belay
- Wide opening for several ropes

REF.
10 189 71

Conforms to Standard: EN362 Class B



CIGALE

- Material: Aluminium
- Opening: 20mm
- Resistance: 24kn
- Dim.: 110 x 64mm
- Weight: 80g
- Aluminium metal D-ring. Round thread for easier insertion into the connecting parts

REF.
10 286 30

Conforms to Standard: EN362 Class B

Anchorage Points

One of the most important aspects of a fall protection system, it is important to select a reliable anchorage point (A) to ensure full safety. This should:

- Have a static resistance > 10kn
- Be located at a safe distance above any lower obstacles
- Be as vertical as possible to the work station to avoid the swing effect



WEBBING ANCHORAGE SLING

ALLOWS A RELIABLE CONNECTION POINT WHICH ADAPTS TO A WIDE RANGE OF ANCHORAGE POINTS

▲ BENEFITS: The anchorage sling provides a secure anchorage point for the fall arrest device

- Easy to install
- Lightweight
- Reliable
- High breaking strength
- Sheathed end of sling to resist abrasion from connector

► FEATURES:

- 23mm yellow polyester webbing
- Breaking strength: > 15KN
- Coloured coded to differentiate lengths

REF.	LENGTH
10 029 16	0.6m
10 029 17	0.8m
10 032 45	1.0m
10 029 18	1.2m
10 029 19	1.5m

► Conforms to EN795b



TITAN™

WEBBING ANCHORAGE SLING

▲ BENEFITS: The anchorage sling provides a secure anchorage point for the fall arrest device

- High breaking strength
- Lightweight
- Safe and easy-to-install anchorage point

► FEATURES:

- 20mm red and black polyamide webbing
- Breaking strength: > 10kn

REF.	LENGTH
10 083 60	0.6m
10 083 61	0.8m
10 083 62	1m
10 083 63	1.2m
10 083 64	1.5m

► Conforms to EN795b



MJ51 STEEL SLING

▲ BENEFITS: Easy-to-install

- Large opening for anchorage to girders, beams
- High breaking strength

► FEATURES: Galvanised steel

- 6.3mm galvanised steel with protective plastic sheath
- Breaking strength: >15kn

REF.	LENGTH
10 028 97	1m
10 031 78	2m
10 031 79	3m

► Conforms to EN795b



GIRDER GRIP MJ52

▲ BENEFITS: Easy to use and open

- Lightweight

► FEATURES: Stainless steel

- 75mm to 140mm opening cable girder grip
- Breaking strength >30kn

REF.	OPENING
10 189 79	75mm
10 189 80	100mm
10 189 81	140mm

► Conforms to EN362 Class A



ANCHORAGE PLATE

▲ BENEFITS:

- Fall indicator allows the device to be checked easily

► FEATURES: Stainless steel

- Fixing point diameter: Ø 13mm
- Weight: 0.062kg
- Maximum load before deformation: 300kn
- Breaking strength: >20kn

REF.
10 029 96

► Conforms to EN795 Class A1



CROCHEVIT JIRAF

▲ BENEFITS: Allows an anchorage point to be installed at distance over head

- Large opening aluminium connector
- Used in conjunction with a telescopic pole

► FEATURES:

- Aluminium connector
- Opening 150mm
- Weight: 1.3kg

REF.
10 028 99

► Conforms to EN795 Class B



CROCHEVIT – MJ50

▲ BENEFITS: Easy-to-install

- Large opening ideal for anchorage to girders, beams
- High breaking strength
- Used in conjunction with a telescopic pole

► FEATURES:

- Aluminium connector
- Opening: Ø 150mm (or 120 x 120mm square structure)
- Weight: 1.32kg
- Breaking strength: >22kn

REF.
10 028 96

► Conforms to EN795b Class B



JIRAF G065

▲ BENEFITS: Easy-to-fit anchorage connector for use with telescopic pole

- Opening to suit scaffolding tubes
- Used in conjunction with a telescopic pole

► FEATURES:

- Aluminium connector
- Opening: 63mm
- Weight: 1.05kg

REF.
10 029 00

► Conforms to EN795 Class B

Crochevit, Jiraf to be used with:
Telescopic pole
from 6 to 9.40m
see p84



SERPENT TEMPORARY HORIZONTAL LIFELINE

THE DURABLE SOLUTION FOR CONSTRUCTION

- ▲ **BENEFITS:**
- Offers a large working area
 - Fast and easy to install
 - For use by one or 2 workers
 - Maximum working length 20 metres
 - Fixing to either permanent anchorage points or temporary webbing anchorage slings

- **FEATURES:**
- Durable braided rope with two galvanised connectors
 - Supplied with length adjuster, karabiners, end stop and two 1.5m webbing anchorage slings
 - Rope in polyester Ø14mm
 - Connectors in galvanised steel

REF.
10 076 10
» Conforms to EN795b



BEAM GLIDE

- ▲ **BENEFITS**
- Fully adjustable beam anchorage device
 - Suitable for beam widths from 75mm to 360mm

- **FEATURES**
- Aluminium construction
 - Breaking strength: 22kn
 - Weight: 1.4kg

REF.
10 070 66
» Conforms to EN795b



TELESCOPIC POLE


FIXING AN ANCHORAGE POINT FROM A DISTANCE

- ▲ **BENEFITS: Light-weight**
- Compact for easy transportation
 - Easy vertical deployment
- **FEATURES: Fibreglass telescopic pole**
- 3 elements for easier deployment from the ground
 - Retracted length: 2.6m

REF. EXTENDED LENGTH
MK00
10 028 98 7.5m

REF. EXTENDED LENGTH
JIRAF
• 5 elements for easier deployment from the ground
• Retracted length: 2.44m
10 066 29 6m
10 029 79 9.40m

Telescopic pole to be used with:
Crochevit, MJ50, Jiraf



see p83



DURAHOIST™ TOTEM ANCHORAGE POST

SECURING ACCESS AND MAINTENANCE WORK WITH LOW SPACE CLEARANCE

Designed to provide a safe anchorage point

- ▲ **BENEFITS: Work safely in factor 1**
- Removable post
 - Light and very easy to transport with 2 handles
 - Easy to set up in the base plate
 - Insertion indicator – red mark to ensure correct installation
 - Fall factor 1 anchorage point at shoulder level, reduces fall clearance

- **FEATURES: Lightweight and resistant**
- ALUMINIUM POST
- “S” anchorage with fall indicator deformed in case of a fall
 - Fall indicator: S deformed in case of fall
 - 2 operators maximum on each S – up to 4 operators
 - Light: only 7.5kg

- STAINLESS STEEL BASE PLATE
- 4 anchorage points on the base plate and 2 operators maximum on each anchorage point
 - Screwed with welded threaded rod
 - Weight: 13kg

REF.
ALUMINIUM POST
10 295 02
» Conforms to EN795 class A-1, when used with the plate

STAINLESS STEEL BASE PLATE
10 295 03

ACCESSORY
10 287 20 TOTEM transportation bag
» Conforms to EN795 class A-1

Technical access:
ASCENDER



C **ROPE ASCENDER**

- ▲ **BENEFITS:**
- Ascenders are designed to connect easily onto the rope with one hand
 - Comfortable and efficient grip for improved climbing control
- **FEATURES:**
- Ideally used in conjunction with a foot-loop
 - The manual ascender incorporate a lightweight alloy handle
 - Enables the operator to ascend a fixed rope
 - For rope diameters 10-13mm
 - Weight 0.21kg

REF.
Right-hand ascender
10 070 41
Left hand ascender
10 073 93
Conforms to EN567

C **CAM-CLEAN ASCENDER**

- ▲ **BENEFITS: Increase safety**
- Used in conjunction with the rope ascender
 - Chest ascender designed to hold the operator in a comfortable upright position
- **FEATURES:**
- Rope diameter: 8mm to 12mm
 - Anti return system
 - Weight: 0.16kg
- REF.
10 042 54
Conforms to EN567

C **SLING AND FOOT LOOP SET**

- ▲ **BENEFITS: Foot lock technique to climb**
- Used in conjunction with the Rope Ascender and Cam-Clean
 - Shorco Sling and Foot loop set allows a fixed rope to be climbed by using the Foot Lock Technique
- **FEATURES:**
- Polyester webbing with karabiners
- REF.
10 101 68

C **ABS LOCK**

- ▲ **BENEFITS: Practical**
- Used to belay from the ground the person equipping a structure with temporary anchor points
- **FEATURES:**
- Automatic and dynamic belay system
 - To use with 9mm to 11mm rope
 - Weight: 0.103kg
- REF.
10 042 10

Technical access:
DESCENDER



C **INDY DESCENDER**

- PERFECTLY ADAPTED TO RESCUE & EVACUATION
- ▲ **BENEFITS: The operator's safety is guaranteed**
- Ergonomic and easy-to-use
 - Descent is activated and controlled through pressure onto the handle
 - Descent stops if the pressure on the handle is too weak or strong
- **FEATURES: Aluminium & stainless steel**
- Anti-panic auto-braking system
 - Maximum descent speed: 2m/s
 - Suitable for 10-13mm rope
 - Weight: 0.49kg
- REF.
10 042 53
Conforms to EN341 Class A

C **PROALLP TECH DESCENDER**

- ▲ **BENEFITS: Control and versatility**
- Ideal for technical access, rescue and intervention
- **FEATURES: Screw and autolock controlled rate rope descender**
- Light alloy material
 - Designed to hold up to two people (max. 250kg) in a rescue scenario
 - Option of both screw and auto-lock controlled-rate rope descent
 - Includes ascender, belay brake, tensioned line brake and hauling system brake function
 - Suitable for 10-13mm kernmantel rope
 - Weight: 0.62kg
- REF.
10 070 57
10 102 22 Black
Conforms to prEN12841C

C **FIG 8 DESCENDER**

- ▲ **BENEFITS: Lightweight**
- **FEATURES:**
- Aluminium
 - Rescue descender for 9-12mm braided rope
 - Weight: 0.13kg
- REF.
10 102 20

Descent devices



MILLER SAFESCAPE ELITE™

RESCUE AND DESCENT DEVICE FOR EMERGENCY SITUATIONS
IDEAL FOR RESCUE AND DESCENT FROM 20M TO 500M ROPE

▲ BENEFITS: Ensure the safety of the people working at height

- Enhanced safety in the harshest conditions
- Greater cost-savings: recertification required only after seven years
- Lightweight and compact design
- Optional hoisting wheel and/or ladder bracket available
- Global solution-meets all applicable safety standards worldwide

► MATERIAL: Engineered to comply with the most rigorous testing methods

- High-quality anodised aluminium housing
- Centrifugal brake controls the descent and reduces vibration
- Descent loads possible from 30kg – 250kg (2 people)
- Maximum descent height of 500m
- Descent is quick (1m/s) and smooth
- Use in an emergency by 2 people weighing up to 250kg

REFERENCES ON DEMAND, DEPENDING ON THE ROPE LENGTH.

Please contact your customer service for more information

=> without handwheel

=> with handwheel

=> with handwheel and handle

=> with handwheel and ladder bracket*

► Conforms to EN341/1992 standard & prEN341/2009 standard, CE certified and meets ANSI and OSHA requirements



MILLER SAFESCAPE ELITE CASE

NEW GENERATION STORAGE SOLUTION FOR THE MILLER
SAFESCAPE ELITE

▲ BENEFITS:

- Ten years safekeeping without inspection – Cost savings
- Rescue equipment can be safely stored for up to ten years without the need for costly inspection. Components must be inspected every ten years allowing a lower cost and inspection down time.
- Vibration tested and easy to inspect
- The case and its contents have been tested according to EN60068
- Humidity check using a hygrometer, which is visible externally
- Robust and simple
- The rigid-foam insert has been specially designed to protect the rescue set against vibration.
- Case is made out of unbreakable polypropylene, and its Ingress Protection (IP) is IP67, making it completely waterproof and dust-tight.

► FEATURES:

- Temperature range: -40°C to 99°C
- Material:
 - Body: Polypropylene
 - Latch: ABS
 - Lid O-Ring: Polymer
 - Foam: Plastozone LD29
 - Purge Vent: 3 Micro Hydro-phobic Non-Woven PET

TRAINING

Training is an essential part of any rescue and evacuation operation and Miller offers a complete set of rescue training courses to suit all areas of industry and the emergency services. Miller offers set or tailor-made courses, including theory and practice. Training sessions can be provided worldwide in our training centers or on site.

Miller provides a complete solution for rescue and evacuation.



RESCUE CARRYING BAG

▲ BENEFITS:

- Carry the Miller Safescape ELITE, rope and accessories

► FEATURES:

- Waterproof

REF.	SIZE
10 101 91	M - 23cm/59cm
10 101 90	L - 26cm/69cm
10 293 40	XL - 48cm



TELESCOPIC REACH POLE

▲ BENEFITS:

- Used to remotely attach the rescue line to the fallen climbers harness

► FEATURES:

- Karabiner is held in an opened position
- Fiberglass telescoping pole which collapses to 0.8m
- Length 3.6m

REF.
10 178 24



RESCUE ROPE GRAB

▲ BENEFITS:

- Attaches to the 'live' rope end and connects to lanyards or ropes to lift the fallen worker

► FEATURES:

- Suitable for 10/12mm ropes

REF.
10 288 07

► Conforms to EN353-2



SAFESCAPE ELITE RESCUE KIT

RESCUE AND DESCENT KIT FOR EMERGENCY

▲ BENEFITS: all in one bag

- Usable for 2 persons

► FEATURES:

- Included a Safescape ELITE
- Anchorage slings
- Waterproof bag

REF.
10 293 50

*THE LADDER BRACKET MUST BE USED WITH AN ADJUSTABLE RESTRAINT LANYARD TO PROVIDE THE CENTRAL ANCHOR CONNECTION TO THE LADDER. THE BRACKET IS NOT THE MAIN ANCHORAGE.



QUADPOD*

MOBILE ANCHORAGE POINT

▲ BENEFITS: Ideal for cliff top rescue and confined space

- Stability even on rough terrain
- Durability even in harsh environments thanks to its design

► FEATURES: Multi-positioning

- Removable and adjustable legs each extend from 1.35m to 2.30m
- Pivoting rubber studded feet
- High grade corrosion resistant aluminium
- Safe working load: 500kg
- Weight 12.5kg
- Supplied with carrying bag

*Recommended to use in conjunction with Self tailing winch

REF.
10 070 27

Conforms to EN795 Class B



SELF TAILING WINCH

▲ BENEFITS:

- Highly efficient, two speed rope winch for use in conjunction with Quadpod
- Self-tailing winch keeps both hands free to turn the handle

► FEATURES:

- Power Rib system grips the rope for greater safety
- At 500kg the grip will start to creep preventing overload
- Designed for use with 11mm kernmantel rope
- Weight: 5.45kg

REF.
10 070 29



SINGLE SWIVEL CHEEK PULLEY

▲ BENEFITS:

- Highly efficient single or dual-attachment swing sided pulley for pulley systems and hauling
- Oil-lite bearings with smooth free-running performance under heavy loads

► FEATURES:

- Aluminium construction
- Suitable for ropes up to 12.7mm diameter
- Tensile strength 3,000kg
- Lightweight alloy: 0.12kg

REF.
Single attachment
10 070 38
Dual attachment
10 102 24



TWIN ALLOY RESCUE PULLEY

▲ BENEFITS: High efficiency dual attachment pulley

- Double swivel
- Oil-lite bearings with free-running performance under heavy loads

► FEATURES:

- Dual attachment double swivel cheek pulley for pulley systems and hauling
- Suitable for ropes up to 12.7mm
- Tensile strength 3,000kg
- Lightweight alloy: 0.28kg

REF.
10 070 40



EMERGENCY RESCUE SLING

▲ BENEFITS:

- Used by many leading rescue services around the world
- Enhances comfort for the casualty

► FEATURES:

- Comfortable and easy-to-use rescue sling is based on a helicopter sling
- Chest strap can be undone and fitted around the casualty while remaining attached to rescue system
- Adjustable leg straps allow any angle of casualty lift
- 9mm cell foam padding on the chest strap
- 2 additional attachment rings regulate the size for smaller casualties
- Weight: 1.9kg

REF.
10 070 63

Conforms to EN1498



EVAC BODY SPLINT

▲ BENEFITS: Lightweight body splint ideal for confined space evacuation

- Once wrapped around a casualty, it provides a rigid splint
- Can be used vertically and horizontally

► FEATURES:

- Polypropylene stretcher bed
- Fitted with foot supports
- Can be stored in a compact bag and is easy to transport
- Padded shoulder straps provide extra support and protection for the casualty

REF.
10 070 46



RESCUE TRIANGLE

▲ BENEFITS: Rescue triangle is fully adjustable for adults and children

► FEATURES:

- Compact and lightweight
- Suitable for short-duration rescue and evacuation operations of an uninjured casualty
- Designed to hold the casualty in a sitting position for comfort
- Weight: 1.164kg

REF.
10 048 76

Conforms to EN1498B



TRIPOD

- ▲ **BENEFITS:** Easily installed by one person
- **FEATURES:** Self-locking and adjustable
- Aluminium tripod
 - Fully adjustable legs lock securely in place thanks to the automatic pins
 - Two anchorage points
 - Supplied with one pulley
 - Weight: 15kg
 - Dimensions: Fully extended: height: 2.1m/leg span: 1.5m
 - Fully retracted dimension: height: 1.4m – width: 0.4m
 - Breaking strength: > 10 kN
 - Maximum safe working load: 136kg

REF. HEIGHT
10 050 41 2.1m

Conforms to EN795 (b)



MN20 MANHANDLER® WORK WINCH

- ▲ **BENEFITS:**
- Compact and robust
 - Both a rescue and material winch
 - Manhandler® is easy to operate
- **FEATURES:**
- Brake holding – friction disk
 - Housing in steel, yellow chromate plating
 - Mechanical efficiency 5:1
 - Overspeed braking system and load indicator
 - Integrated bracket for tripod
 - Swivel snap hook
 - Maximum charge: 150kg

REF. LENGTH
Lifeline material: galvanised steel cable
10 050 42 20m
10 163 20 30m
Lifeline material: stainless steel cable
10 050 44 20m



MIGHTEVAC® RESCUE/RETRIEVAL HOIST

COMBINES THE SUPERIOR PERFORMANCE AND RELIABILITY FOR EMERGENCY EVACUATION
15M TO 40M – CABLE SELF-RETRACTING LIFELINE WITH EMERGENCY RETRIEVAL WINCH

- ▲ **BENEFITS:** Heavy duty performance
- Easy-to-use
 - No annual factory re-certification required* – lowers cost of ownership and increases productivity
 - Used in conjunction with the Miller Tripod to form the core of a stable and secure confined entry/rescue system

- **FEATURES:**
- 4.8mm galvanised or stainless steel cable
 - Quick-activating retrieval winch mechanism
 - Pressed steel housing and compact design
 - Rescue winch (up/down), gear ratio 5:1
 - Corrosion-resistant stainless steel/aluminum components
 - Convenient, heavy-duty carrying handle

REF. LENGTH
Lifeline material: Galvanised steel
10 051 49 15m
10 051 60 30m
10 051 61 40m

Lifeline material: Stainless steel
10 143 90 15m
10 143 70 30m

Brackets for MightEvac®
10 053 30 15m
10 053 31 30 & 40m

Conforms to EN360



MILLER PULLEY*

- ▲ **BENEFITS:** Flat and swing sided with large diameter roller that promotes excellent efficiency
- **FEATURES:**
- Stainless steel pulley

REF.
10 114 71



POTEX

PORTABLE PIVOTING DAVIT COLUMN

- ▲ **BENEFITS:** Easy access to confined spaces
- Mounting plates: Portable davit arm is available with a wide selection of base mountings – to suit temporary/semi-permanent mobile working environments
- **MATERIAL:** Pivoting uni-hoist system
- Integrated rescue winch 30m
 - Adjustable legs to fit most confined space entry

REF.
10 029 20

Conforms to EN795(b)



*INCLUDED WITH MN10 TRIPOD AND MANHANDLER®.

Fall arrest kits

Miller® makes it easy! Miller Kits are produced specifically to provide industries with an immediate selection of fall protection equipment to suit their requirements. All kits are conveniently packed in backpacks, storage boxes or carrying cases.



ROOFING KIT

- ▲ **BENEFITS:** Useful on sloping roofs where retractable lifelines may react too slowly
- Durable, corrosion-resistant
- **FEATURES:** All your fall protection equipment available in a ready-to-go kit
- 3 point DuraFlex® MA08 harness with rear and front anchorage D-rings
- 12mm rope lifeline, length 15m
- Automatic rope grab, 12mm, with 0.3m lanyard and hook
- Includes free plastic storage box

REF.
10 029 09



LOW LEVEL KIT

- ▲ **BENEFITS:** Quick activating braking system stops a fall within centimetres
- **FEATURES:**
- 1 point DuraFlex® MA02 harness, rear anchorage
- 2.5m Self retractable webbing lifeline MI20 with shock absorber
- Webbing sling, length 0.6m
- Includes free plastic carry case

REF.
10 029 10



MINILITE™ KIT

- ▲ **BENEFITS:** Quick activating braking system stops a fall within centimetres
- **FEATURES:**
- 3m self retracting webbing lifeline Minilite with scaffold hook
- 1 point DuraFlex® MA02 harness
- Includes free plastic carry case

REF.
10 061 03



CONSTRUCTION BACK-PACK KIT

- ▲ **BENEFITS:** Adapted lanyard for scaffolding
- Two premium products in a backpack
- **FEATURES:**
- 1 or 2 point DuraFlex® harness
- 2m elasticated Manyard® with 63mm steel scaffold hook
- Includes free back-pack

REF. HARNESS
10 068 83 1 point — MA02
10 078 42 2 point — MA04



SCORPION™ BACK-PACK KIT

- ▲ **BENEFITS:** Ideal for low level work
- Quick activating braking system stops a fall within centimetres
- **FEATURES:**
- 1 or 2 point DuraFlex® harness
- Scorpion™ self retracting webbing lifeline with swivel scaffold hook and snap hook

REF. HARNESS
10 086 94 1 point — MA02
10 086 95 2 point — MA04



TURBOLITE™ KIT

- ▲ **BENEFITS:** Self retracting lifeline kit approved in fall factor 2
- Ideal for low space clearance
- **FEATURES:**
- 1 point DuraFlex® MA02 harness
- TurboLite self retracting webbing lifeline with steel twistlock + aluminium scaff hook

REF.
10 281 34



TITAN™ ROOFERS KIT

- ▲ **BENEFITS:** Suitable for use on sloping roofs where retractable lifelines may react too slowly
- **FEATURES:**
- TITAN™ 2 point harness with rear and front anchorage (front webbing loops)
- Automatic rope grab with 10m-anchorage line and 30cm attachment lanyard

REF.
10 118 95



TITAN™ FALL ARREST KIT

- ▲ **BENEFITS:** Cost effective kit for fall protection
- **FEATURES:**
- TITAN™ 1 point harness with rear anchorage
- 2m shock-absorbing lanyard with 2 screwgate karabiners

REF.
10 118 96



TITAN™ RESTRAINT KIT

- ▲ **BENEFITS:** The ideal restraint solution
- **FEATURES:**
- TITAN™ 1 point harness with rear anchorage
- 2m restraint lanyard with 2 screwgate karabiners

REF.
10 118 97



TITAN™ CONSTRUCTION KIT

- ▲ **BENEFITS:** Lightweight fall protection kit
- Quick activating braking system stops a fall within centimetres
- **FEATURES:**
- TITAN™ 1 point harness with rear anchorage
- TITAN™ CMS 2.5m self retracting webbing lifeline with 2 screwgate karabiners

REF.
10 118 98



TITAN™ WORK POSITIONING KIT

- ▲ **BENEFITS:** Allow hands free position
- **FEATURES:**
- 2 point TITAN™ harness with work positioning belt, front and rear anchorage (front webbing loops)
- TITAN™ CMS 2.5m self retracting webbing lifeline with 2 screwgate karabiners
- Adjustable work positioning lanyard with 2 screwgate karabiners

REF.
10 118 99



CASUALTY PULLEY SYSTEM

- ▲ **BENEFITS:** Easy to install for quick and safe rescue
- Lightweight system enables the rescuer to clip the casualty to his own line and lift them to transfer either onto his system or onto a stretcher
- **FEATURES:**
- Pulleys, ascender and karabiners fit into a strong carrying bag
- Maximum length: 2m
- Weight: 1.2kg

REF.
10 070 42



INDY SELF RESCUE KITS

- ▲ **BENEFITS:** Suitable for use by one-person only
- Ready-to-use evacuation kit
- **FEATURES:**
- INDY descender – maximum descent speed 2m/s.
- 20m rope with karabiner
- Anchorage sling
- Convenient, waterproof storage bag

REF.
10 060 26
► Conforms to EN341



TOOL BANDIT™

- ▲ **BENEFITS:** Prevent tools from dropping that can cause serious injuries on the worksite
- Can be fixed to the worker's belt or wrist
 - Designed to secure the tool whilst still allowing freedom of movement
- **FEATURES:**
- Lanyard with karabiner and wrist fixing system
 - Maximum load: 2.5kg

REF.
Display box with 12 Bandit™ Lanyard Tool holders
11 002 10
10 145 91 One each
Bulk bag of 36 Wrist Bandit™ tool holders
10 124 91



MILLER RELIEF™ STEP

- ▲ **BENEFITS:** Alleviate the effects of suspension trauma
- The Relief™ Step can be attached to any brand of harness
 - Easily deployed for a short term solution to the worker's safety and comfort
- **FEATURES:**
- Easy to deploy webbing

REF.
Display box of 12 pairs
11 002 11



COWSTAIL SLING

- ▲ **BENEFITS:** Reliable connecting device with reinforced loops at end
- Lightweight
- **FEATURES:** Dyneema 15mm
- Used to attach a variety of ancillary devices
 - Sling with reinforced loops at each end
 - Suitable for connecting different devices within an access or rescue system

REF.	LENGTH
10 070 59	30cm
10 070 58	60cm



EDGE ROLLER

- ▲ **BENEFITS:** Designed to protect the rope when used on abrasive edges
- **FEATURES:**
- Highly durable stainless steel shaft and brass bearings
 - 50mm wide roller allows the simultaneous use of 3 ropes

REF.
10 070 43



ROPE PROTECTOR

- ▲ **BENEFITS:** Designed to protect the rope against abrasion and cutting eg. on buildings or construction site
- **FEATURES:**
- PVC reinforced rope protector
 - Easy-to-fit with velcro seam

REF.
10 102 14



CLIMBERS HELMET

- ▲ **BENEFITS:** Protects from impacts from above and side
- **FEATURES:**
- Polypropylene climbers helmet with fully adjustable cotton lining and good air circulation reduces the build up of moisture
 - Comfortable skull webbing and chin strap
 - Fitted with attachment point for head torch
 - Weight: 410g
- | REF. | COLOUR |
|------------------|--------|
| 10 070 48 | Red |
| 10 101 77 | White |
- Conforms to EN397



INDUSTRIAL CLIMBERS SEAT

- ▲ **BENEFITS:** Seat offers a comfortable supported position for the operator
- Use in conjunction with a suitable safety harness
- **FEATURES:**
- Padded seat with waterproof, abrasion-resistant PVC coated nylon covering
 - Supplied with two connectors
 - Adjustable straps for perfect fit
 - Complete with convenient attachment points for accessories
- REF.
10 070 56



SPORT BAG

- ▲ **BENEFITS:** Ideal to transport your equipment
- **FEATURES:**
- Polyester with central zip fastener
 - 2 large carrying handles and shoulder strap
 - Dimensions: 590x270x270mm
 - Weight: 0.740kg
- REF.
10 028 65



PERSONAL PROTECTIVE EQUIPMENT BAG

- ▲ **BENEFITS:** Multi pockets
- **FEATURES:**
- 3 outside pockets
 - 2 large carrying handles and 1 shoulder strap
 - Dimensions: 500 x 330 x 250mm
 - Weight: 0.938kg
- REF.
10 044 54



BACK PACK

- ▲ **BENEFITS:** Large capacity
- **FEATURES:**
- Heavy duty blue PVC rucksack
 - Shoulder straps
 - Quick connect buckles
- | REF. | CAPACITY |
|------------------|----------------|
| 10 044 43 | 30l (h: 410mm) |
| 10 044 44 | 60l (h: 650mm) |



KIT BLOCK

- ▲ **BENEFITS:** Secures foot of a ladder to prevent slipping
- Avoid all risks of fall over or slipping
 - Fix safely the ladder
- **FEATURES:**
- Kit including 2 fixing blocks and a 8m rope
- REF.
10 029 97



PLASTIC BOX

- **FEATURES:** Plastic storage box
- Dimensions: 800x400x300mm
- REF.
10 044 71

Miller Revolution™ accessories

MILLER REVOLUTION™ ACCESSORIES

The PivotLink™ Connection provides an attachment point for a multitude of accessories and individual tool pouches with an innovative design that accommodates:

- Tools, mobile phones, water bottles and more
- Accessories are easily attached and detached – distributing weight across the hips and shoulders for a more comfortable fit and greater mobility
- Universal attachment clips fit on your existing accessories or tool rig and easily attach/detach



LARGE OPEN BOLT & BULL PIN BAG
REF. 10 142 73

MEDIUM OPEN BOLT & BULL PIN BAG
REF. 10 142 74



MINI CELL PHONE HOLDER + CONNECTOR
REF. 10 142 70

REGULAR CELL PHONE HOLDER + CONNECTOR
REF. 10 142 71



1. Accessories have a female clip that attaches and locks over the male connection point
2. Once attached, the accessory pivots to maintain a level position
3. Easily remove and /or change accessories for convenience by simply lifting from connection point.



REVO 2 POCKET NAIL AND TOOL POUCH
REF. 10 142 75



WATER BOTTLE HOLDER*
REF. 10 142 72

*BOTTLE NOT INCLUDED



BLUE SELF ADHESIVE LABELS X 10
REF. 10 142 78

YELLOW SELF ADHESIVE LABELS X 10
REF. 10 142 79

RED SELF ADHESIVE LABELS X 10
REF. 10 142 80

GREEN SELF ADHESIVE LABELS X 10
REF. 10 142 81



SHOULDER / LEG PADS
REF. 10 142 76

SNAP TOGETHER CLIP FOR MINIPHONE HOLDER
REF. 10 156 15



PADDED HAMMER LOOP
REF. 10 160 80



LARGE TOOL BAG WITH HAMMER LOOPS
REF. 10 150 50



ZIPPED CYLINDRICAL UTILITY POUCH
REF. 10 155 10

MILLER Services

MILLER TECHNICAL SERVICE/ TECHNISERV

Miller Technical Service provides personal one-on-one assistance for your safety at height questions. Staffed with experienced professionals, they are ready to immediately respond to your telephone call with the answers you need to safely operate your business.

► Our technical expertise is at your service for any questions regarding:

- Recommendations on products linked to a specific application or sector
- Any technical request on our Miller product specification
- After sales management – inspection & return
- Specific product requests
- Product certifications & standards
- Requests on instruction sheets – technical sheets

► TECHNISERV Northern Europe

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Mail: techniservnorth@sperian.com

► TECHNISERV Southern Europe

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MILLER FALL PROTECTION TRAINING

► Legislation Requirement

Training is an essential part of any safety program. The employer is responsible for ensuring that any person working at height is fully informed regarding the correct use of PPE and systems.

► Fundamental Fall Prevention/ Protection Training

The legislation states that a fall arrest system must be used when working at a height where a fall hazard exists. This system consists of:

- Anchorage point/anchorage connector
- Body wear – full body harness
- Intermediate attachment.

► Total Training Solutions

Miller Training Programs are considered to be a central part of their global fall protection offer, and provide awareness, knowledge and the skills necessary to ensure safety on the worksite to suit all areas of industry and the emergency services. Taught by field-experienced, professional instructors, the training sessions include live demonstrations and hands-on training, while addressing site-specific variables and



performance requirements of fall prevention and protection.

In addition, Miller Training offers a comprehensive list of height safety courses conducted at a customer's facility or at the Miller Innovative Technology & Training Centres:

- Construction: Steel Erectors, Scaffolding and Roofing
- Telecommunications
- Electricity
- Wind Energy: simulator
- Oil & Gas
- Rope Access
- Confined Space
- Cleaning
- Ski Lifts
- Maintenance
- Rescue and Evacuation

For further information on our range of Industrial Fall Protection training courses, please contact your local Sperian Protection Sales office or Fall Protection Representative to customise your personalised training courses.

MILLER SERVICE CENTRES:

- inspection
- repair
- maintenance

Miller® by Sperian offers to the users of its products a service to inspect, repair and maintain devices locally, quickly.

Miller service points are trained then certified by technicians, store necessary spare parts for a repair and maintenance of Miller equipment according to maintenance guide.

Contact your closest centre for an answer adapted to your request.

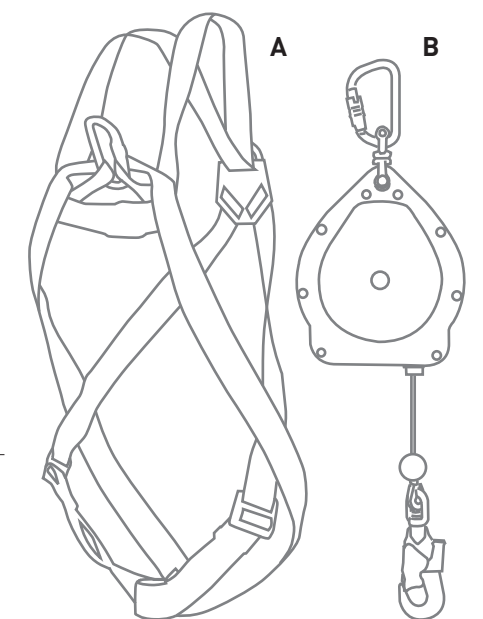
- life cycle of fall protection equipment

A. For our products made up mainly of textiles

The maximum life cycle has been set at ten years from the date of production. This, without environmental factors¹ and particular cases of use² of the fall protection equipment.

B. For our products made up mainly of metal

We do not indicate a life cycle; the latter can be unlimited, as the product undergoes regular maintenance (at least once a year). For products not subject to maintenance (non workable), the life cycle is a maximum of ten years^{1,2}.



¹ Environmental factors:

contact with chemicals, improper storage, exposure to strong sources of heat > 50°C, ultraviolet rays, abrasion, etc.

² Particular cases of use: deterioration of the product, arresting falls, mechanical deformation, when accidental dropping, early wear, intensity of use and poor conditions of use. In all cases, our products must be verified annually.

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1008588	62	Scorpion™ 2.8m – with swivel scaff hook (63mm) and snap hook
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1008694	94	DuraFlex® Scorpion™ back pack kit – DuraFlex® MA02 harness 1 point
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1008361	82	TITAN™ webbing anchorage sling 0.8m
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1009249	81	Dual pawl karabiner G055
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1009276	80	Screw gate karabiner CS20 Aluminium
1010040	44	Hi Visibility Vest DuraFlex® – 2 points
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1010168	86	Shorco sling and foot loop set
1010177	97	Climber helmet white
1010182	79	Anchorage line 200m – Kernmantel rope, diam. 11mm, white
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1010224	90	Dual attachment swivel pulley
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1011750	58	Falcon™ 20m – Galvanised cable
1011751	58	Falcon™ 20m – Stainless steel cable
1011770	46	Tower
1011890	43	TITAN™ – 1 point
1011891	43	TITAN™ – 2 points
1011893	49	TITAN™ – 1 points + positioning belt
1011894	49	TITAN™ – 2 points + positioning belt
1011895	95	TITAN™ roofer kit
1011896	95	TITAN™ fall arrest kit
1011897	95	TITAN™ restraint kit
1011898	95	TITAN™ construction kit
1011899	95	TITAN™ work positioning kit
1012333	45	Kevlar harness
1012336	45	Kevlar harness + adjustable shoulder strap
1012392	59	Black Rhino with swivel scaffold hook (63mm) and swivel snap hook (22mm)
1012410	59	Black Rhino with swivel screwgate karabiner and swivel snap hook (22mm)
1012491	96	Tool Bandit™ 36 pieces
1013430	70	Lanyard TITAN™ A3 2m – CS20 and 63mm scaff hook
1013431	71	Forked lanyard TITAN™ 2m – 1/4 turn and two 63mm scaff hook
1013454	44	Hi Visibility Vest DuraFlex® – 2 points + positioning belt
1013491	74	Forked Manyard® 2m – CS20 and two 63mm scaff hook
1013970	74	Forked Manyard® 1.5m – CS20 and two 63mm scaff hook
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1014242	47	Revolution™ R3 – Dualtech webbing
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1014432	50	Ropax – quick connect buckle
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1018015	61	TurboLite with 2 twistlock carabiners
1018035	75	Forked Edge Tested 1.5m – SC20 and two 100mm scaff hook
1018521	75	Forked Edge Tested Manyard® 2m – Cs20 and two 55mm scaff hook
1018960	80	Screw gate karabiner CS20
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1018963	80	Twist lock karabiner CS20
1018968	80	Twist lock karabiner ZICRAL
1018969	80	Twist lock karabiner SUPER-TOP
1018971	81	Triple action karabiner FRELON
1018972	81	Dual pawl karabiner G060
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1028779	88	Miller SafEscape ELITE descending device with hoist 120 m rope
1028780	88	Miller SafEscape ELITE descending device with hoist 130 m rope
1028781	88	Miller SafEscape ELITE descending device with hoist 140 m rope
1028782	88	Miller SafEscape ELITE descending device with hoist 150 m rope
1028783	88	Miller SafEscape ELITE descending device with hoist 160 m rope
1028784	88	Miller SafEscape ELITE descending device with hoist 170 m rope
1028785	88	Miller SafEscape ELITE descending device with hoist 180 m rope
1028788	88	Miller SafEscape ELITE descending device with hoist & ladder adapter 20 m rope
1028789	88	Miller SafEscape ELITE descending device with hoist & ladder adapter 30 m rope
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1028792	88	Miller SafEscape ELITE descending device with hoist & ladder adapter 60 m rope
1028793	88	Miller SafEscape ELITE descending device with hoist & ladder adapter 70 m rope
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1100211	96	Miller Relief step™

Permanent Fall Arrest Systems

GLIDELOC® SAFE CLIMBING SYSTEMS



GlideLoc® Safe Climbing System, permanently installed on buildings, towers, masts, etc... comprises a guided type fall arrester, vertical and

horizontal guide rails or fall protection ladders, and a wide range of mounting brackets and accessories that adapt the system to most structural profiles.

Enhanced Safety

In contrast to temporary rope systems, Söll's guide rails withstand constant wear and tear and allow a combination of vertical and horizontal access without having to disconnect.

Versatility

Available in both straight and curved form in a variety of materials to suit the work environment. Guide rails can be retrofitted to existing ladders.

User Comfort and Ergonomics

The fall arrester glides smoothly along the rail without any manual guidance, reducing user fatigue. This is the only system that allows the user to lean forward or backwards.

Economic

Designed to withstand the toughest environmental conditions, Söll fixed systems offer a long-term economical investment with minimal maintenance.

XENON HORIZONTAL LIFELINE SYSTEMS

The highest quality and best value life line

Safe protection against falls

The Söll Xenon Horizontal Lifeline is an anchorage device incorporating a flexible wire rope. The principal components of the system are; shuttles, shock absorbers, intermediate anchors and end anchors. The Söll Xenon horizontal lifeline can provide the perfect safety solution for installation, maintenance and cleaning at height. It can be used; in industrial plants, on roofs, on cranes and over vehicles.

Tested and certified

The Söll Xenon anchorage device has been tested by an independent EU notified body, it is CE-certified and complies with the requirements of EN795.

A range of versatile and high-quality stainless steel components makes installation and inspection of systems simple and cost-effective.

