



Fall Protection

 **SPERIAN**
Protection you can trust



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Setting the Standard in Fall Protection

For over 60 years, Sperian Fall Protection has grown to be a global leader by carefully understanding end-user needs and providing the best fall arrest solutions to suit a wide range of industry applications.

Sperian is the leading brand in global fall protection and confined space equipment, which is why they are the first choice for many of the world's leading businesses. Unequaled in the industry, our state-of-the-art equipment provides the critical tool for worker protection, combining mobility with unsurpassed comfort.

We work with industry experts to design and develop innovative solutions for a wide variety of sectors. Our objective: ergonomic, stylish and comfortable products that encourage 100% wear time.

Our products are tested in accordance with international fall protection standards, and subjected to a strict testing and quality assurance program.

With sales offices and training centers in Europe, North America and Asia, we support you at a local level through our highly-trained field sales force, a network of fall protection specialists and experienced customer service staff. Our service points are conveniently located throughout the world for trouble-free maintenance of your fall protection equipment.

If you have any further questions, please do not hesitate to contact us at Sperian Protection helpline on +852 2707 0922, or visit our website at www.sperianprotection.com.



The Basics of a Personal Fall Arrest System

A personal fall arrest system is the equipment required to secure a person to an anchorage point in such a way that a fall from height is either totally prevented or safely arrested.



Anchorage Point & Connector

Anchorage Point: Commonly referred to as a secure tie-off point (eg: a girder, scaffolding, lifeline). The anchorage point:

- must have a static resistance >10kN during 3 minutes (EN795b).
- should be located high enough to avoid contact with a lower level should the worker fall and as vertical as possible to the working place.

Anchorage Connector: Used to join the intermediate attachment to the anchorage point (eg: webbing strap, steel sling, girder grip)

Should be adapted to the anchorage point and have a minimum static resistance of 15kN for 3 minutes (EN362)

Body Wear

Full Body Harness: The personal protective equipment worn by the worker.

- Its role is to hold the worker if a fall occurs, so that the worker will not be injured nor slip out of the harness.
- The only acceptable form of body wear for use in fall arrest is the full body harness.
- It should be selected based on the work to be performed and the work environment
- Each anchorage point on the harness should have a static resistance >15kN for 3 minutes (EN361 and EN358)

Connection Device

Intermediate attachment: This is the critical link that joins the harness to the anchorage point or connector (eg: shock absorbing lanyard, fall arrest block, rope grab).

- Its role is to limit the free fall of the worker and should be selected based on work to be performed and the work environment.
- The potential fall distance must be calculated to determine the type of intermediate attachment to be used.

Individually these components will not provide protection from a fall. Used properly in conjunction with each other, however, they form a Personal Fall Arrest System that becomes vitally important to safety on the jobsite and the overall fall protection programme.

6 Easy steps that could save your life

How to put on a harness



1 Hold harness by back D-ring. Shake harness to allow all straps to fall in place.



2 If chest, leg and/or waist straps are buckled, release straps and unbuckle at this time.



3 Slip straps over shoulders so D-ring is located in middle of back between shoulder blades.



4 Pull leg strap between legs and connect to opposite end. Repeat with second leg strap. If belted harness, connect waist strap after leg straps.



5 Connect chest strap and position in midchest area. Tighten to keep shoulder straps taut. If harness has black elastic strap, thread strap through final slot to secure it.



6 After all straps have been buckled, tighten all straps so that harness fits snug but allows full range of movement. Pass excess strap through loop keepers.

Buyer's Guide to fall arrest equipment

Harness features



Rear D-ring: This is the basic attachment point on a harness for fall arrest. It is suited to standard site work where the worker only needs to be attached for safety and does not need to work in suspension at height.



Front D-rings: Used together for fall arrest, a front attachment provides better control. Generally more comfortable to hang in, they may also be used in a rescue situation.



Front anchorage loops: The loops are connected using a karabiner. A fall-arrest intermediate attachment is then connected to this. Used in a variety of climbing (with rope grabs), confined space, rescues and work positioning situations.



Side D-rings on the belt: These D-rings must not be used for fall arrest applications. Most commonly used for work positioning where the worker is required to be suspended for extended periods of time. The use of a belt enhances the comfort for the worker.



Strap adjustment buckles: All Sperian harnesses have fully adjustable leg straps for a perfect fit. Two and three point harnesses also include adjustable shoulder straps.



Fall Protection Legislation

• Every day in Europe at least one person dies from a fall from work at height.

Fall protection equipment need not be a hindrance!

Sperian fall protection equipment represents a genuine working tool that offers important benefits such as increased productivity, reduced risks and diminished user fatigue.

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.

Collective Systems versus Personal Protective Equipment (PPE)

If it is not feasible to eliminate the hazard using a collective system then personal protective equipment (PPE) must be selected and used, be it 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.

The personal protective equipment manufactured by Sperian includes fall protection systems designed to save the life of the worker (Category 3 – PPE against mortal or serious and irreversible danger). Each product conforms to the harmonised European Standards or other international standards.

FIVE FUNCTIONAL CATEGORIES

1 - Fall Arrest:

The legislation states that a fall arrest system 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 with shock absorbing element.



2 - Work Positioning:

A positioning system is used to hold a worker in place allowing a hands free work environment at elevated heights. This typically consists of:

- anchorage point/ anchorage connector
- body wear - harness or belt**
- intermediate attachment - positioning lanyard and fall arrest system.



3 - Confined Space:

Primarily used when workers must enter tanks, manholes, etc. and may require retrieval from above, should an emergency occur. This typically consists of:

- anchorage point - tripod, davit arm
- body wear - full body harness (2 or 3 anchorage points)
- intermediate attachment - retractable lifeline / retrieval unit.



4 - Rope Access:

When traditional access methods are not feasible, rope access systems will suspend the operator at the work site and provide for hands-free positioning. This system consists of:

- anchorage point / anchorage connector
- body wear - 2 or 3 point full body sit harness
- intermediate attachment - Static line with rope grab and static rope with ascenders and controlled descent devices



5 - Rescue:

Carried out within a minimum delay and without any risk of a fall, rescue may involve self evacuation, or a more technical evacuation involving a fully trained and specialised team.

- anchorage point (eg quadpod) / anchorage connector
- body wear - 2 or 3 point full body harness + rescue sling, triangle or stretcher
- intermediate attachment - evacuation unit, fall arrest device, pulley systems for hauling



* When choosing personal fall protective equipment, it is recommended that you plan for a possible rescue or evacuation. A 2 or 3-point harness will allow you to attach a rescue device.

** Positioning belts can only be used without a harness when a fall hazard does not exist.

Standard	Heading*
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

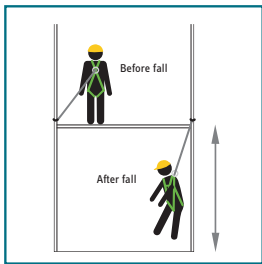
GETTING TO GRIPS WITH THE WORK HAZARDS!

Understand your fall factors to reduce the risks!

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.

THE MAXIMUM FALL DISTANCE USING A 2M SHOCK ABSORBING LANYARD

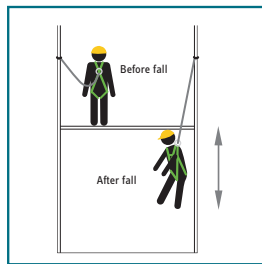
GOOD



Factor 2 (below the feet)

The worker will fall 5.75m
(Twice the length of the lanyard
+ the deployed shock absorber)

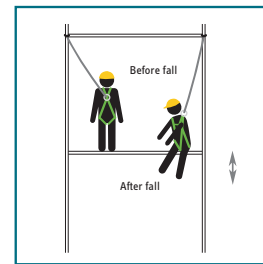
BETTER



Factor 1 (at shoulder level or above)

The worker will fall a maximum
of 3.75m (the length of the worker
and the deployed shock-absorber)

BEST



Factor 0 (taut above head)

The worker will fall a maximum of
1.75m (the length of the deployed
shock absorber, if deployed)

CALCULATING FALL CLEARANCE

When using a shock-absorbing lanyard, it is important to understand how to calculate the potential fall distance to avoid contact with the lower level.

The calculation below gives the minimum fall clearance required between the anchorage point of the lanyard (at Fall Factor 2) and the lower level.

- Twice the length of the lanyard (to allow for the length of the lanyard and the height of the worker)
- +1.75m deceleration distance to allow for the elongation of the shock absorber and any give in the lanyard
- +1m safety margin

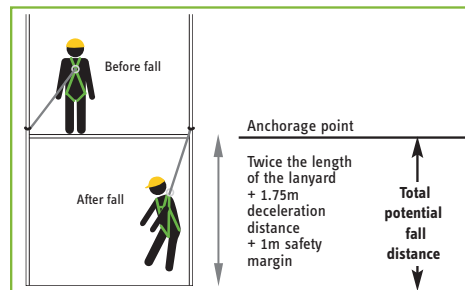
Example:

Using a 2m lanyard in fall factor 2:
 $2 \times 2\text{m} + 1.75\text{m} + 1\text{m}$.

The required fall clearance = 6.75m

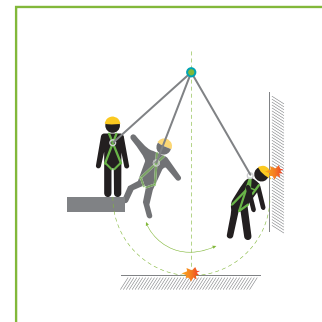
Using a 1.5m lanyard in a fall factor 2:
 $2 \times 1.5\text{m} + 1.75\text{m} + 1\text{m}$.

The required fall clearance = 5.75m



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 can injure himself 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.



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

A fall limiter or self-retracting lanyard 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.

DuraFlex® Full-body Harnesses

Patented Sperian DuraFlex® harnesses feature specially-formulated elastomer webbing that stretches to provide exceptional comfort. It conforms to the shape of the worker, stretching with every movement, so there is no bunching, binding or kinking. With DuraFlex®, you can look forward to greater mobility, movement, and less fatigue resulting in increased worker productivity.

DuraFlex® harnesses provide unsurpassed worker comfort and offer wider user acceptance. A comfortable harness is more likely to be worn, which increases worker safety and compliance on the job site.

Additionally, DuraFlex® webbing is protected by TEFLON® high-tech protective finish that repels water, oil, grease and dirt and helps to extend the service life of the harness.



DuraFlex® webbing is designed to stretch to conform to the worker's body

PATENTED

Elasticated webbing has been patented in Europe, Patent No. EP-B-0902710 and in the US, Patent No. 6.006.200.

New added value from Sperian for sustained performance and easy care.

* TEFLON® is a registered trademark of DuPont for its brand of fabric protector. Only DuPont makes TEFLON®.

DuraFlex® Harness



- > 2-point harness, rear and two front anchorage webbing loops

10 028 49

DuraFlex® Harness



- > 3-point harness, rear and front anchorage D-rings

10 028 53

DuraFlex® Harness



- 3-point harness, with work-positioning belt, rear and front anchorage D-rings

10 028 57

SKU	Description	Size*	Rear D-Ring	Front D-Rings	Front Webbing Loops	Side Positioning D-Rings	Positioning Belt	Weight (kg)	Standard
1002849	2-point DuraFlex harness	M/L	•	-	•	-	-	0.9	EN361
1002853	3-point DuraFlex harness	M/L	•	•	-	-	-	1.1	EN361
1002857	3-point DuraFlex harness w/ positioning belt	M/L	•	•	-	•	•	1.7	EN361/EN358

* Other sizes available upon request

Standard Full-body Harnesses

Sperian Standard Harnesses form a complete range of user-friendly fall protection products that meets industry compliance requirement. Standard products with some add-on features make them cost-effective choices for fall protection.

- Lightweight, durable polyamide webbing for all day comfort and dependability
- Fully adjustable designs so one size fits all - sub-pelvic strap keeps the wearer upright
- Sliding back D-ring for a comfortable fit - 45mm chest strap with metal buckle

Standard Harness



- 1-point harness, rear anchorage D-ring

10 118 90

Standard Harness



- 2-point harness, rear anchorage D-ring and front anchorage webbing loops

10 118 91

Standard Harness



- 1-point harness, rear anchorage D-ring, complete with positioning belt

10 118 93

Standard Harness



- 2-point harness, rear anchorage D-ring and front anchorage webbing loops, complete with positioning belt

10 118 94

Standard Harness



- 3-point harness, rear and front anchorage D-rings

10 028 51

SKU	Description	Size	Rear D-Ring	Front D-Rings	Front Webbing Loops	Side Positioning D-Rings	Positioning Belt	Weight (kg)	Standard
1011890	1-point harness	U	•	-	-	-	-	0.6	EN361
1011891	2-point harness	U	•	-	•	-	-	0.6	EN361
1011893	1-point harness w/ positioning belt	U	•	-	-	•	•	1.0	EN361/EN358
1011894	2-point harness w/ positioning belt	U	•	-	•	•	•	1.0	EN361/EN358
1002851	3-point standard harness	U	•	•	-	-	-	0.6	EN361

Basic Full-body Harnesses

Full-body harnesses that meet EN compliance requirements and meanwhile offer the best value for money. Exclusively designed for Asia market.



Basic Harness

Basic Harness

Basic Harness



- 1-point cross-over full-body harness
- Rear anchorage D-ring

DL-30



- 2-point cross-over full-body harness
- Rear and front anchorage D-rings

DL-31



- 2-point cross-over full-body harness with positioning belt
- Rear and front anchorage and side positioning D-rings

DL-35

SKU	Description	Size	Rear D-Ring	Front D-Ring	Front Webbing Loops	Side Positioning D-Rings	Positioning Belt	Weight (kg)	Standard
DL-30	1-point harness	U	•	-	-	-	-	0.6	EN361
DL-31	2-point harness	U	•	•	-	-	-	0.6	EN361
DL-35	2-point harness w/ positioning belt	U	•	•	-	•	•	1.0	EN361/EN358

Specialty Harnesses

Sit harnesses and full-body harnesses designed for technical access and rescue applications.

IBX₂R Full-body Harness



This fall-arrest and work-positioning harness offers excellent suspension comfort and minimizes suspension trauma during rope access work. The ventral and sternal front anchorage loops provide an anchorage point for a descender and fall arrest device respectively. The belay connection link distributes the loads from the attachment point to the larger muscle groups to minimize discomfort and suspension trauma and maximize productivity.

10 070 22

RAM Sit Harness









The easy to fit lightweight flexible sit harness is suitable for mountain rescue technicians where the harness is worn for short durations only. Waist belay loop for rescue and rope access. The belay connection link distributes the loads to the larger muscle groups to minimize discomfort and suspension trauma and maximize productivity. Padded belt and leg straps provide excellent support and comfort during suspension.

10 102 52

SKU	Description	Size	Rear D-Rings	Front D-Rings	Front Webbing Loops	Side Positioning D-Rings	Positioning Belt	Weight (kg)	Standard
1007022	IBX ₂ R full-body harness	M/L	•	-	•	•	•	1.58	EN361/EN813/EN358
1010252	RAM sit harness	M/L	-	-	•	-	-	1.60	EN813

Lanyards & Belts

Sperian has a comprehensive range of lightweight, versatile restraint and fall arrest lanyards designed for maximum protection. Sperian fall arrest lanyards feature a built-in shock absorber which limits the fall arrest force in a fall situation to within 6 kN.

Manyard® Lanyard	Shock-absorbing Lanyard	Shock-absorbing Lanyard	Shock-absorbing Lanyard
			
<ul style="list-style-type: none"> • The unique stretchable design offers greater manoeuvrability and safety • Special woven shock-absorbing inner core reduces fall arrest forces • Heavy-duty outer jacket serves as protective sleeve • Unique warning flag providing visual proof that a lanyard has been involved in a fall and must be removed from service 	<ul style="list-style-type: none"> • Complete with a karabiner and two scaffold hooks 	<ul style="list-style-type: none"> • Complete with a scaffold hook and a karabiner 	<ul style="list-style-type: none"> • Complete with a scaffold hook and a karabiner
10 053 27	10 045 90 2m	10 045 79 2m	10 045 91 2m
Shock-absorbing Lanyard	Shock-absorbing Lanyard	Shock-absorbing Lanyard	Shock-absorbing Lanyard
			
<ul style="list-style-type: none"> • Complete with 2 karabiners 	<ul style="list-style-type: none"> • Complete with 2 karabiners 	<ul style="list-style-type: none"> • Equipped with a snap hook and a connection loop 	<ul style="list-style-type: none"> • Equipped with a scaffold hook and a connection loop
10 029 03 2m	10 029 07 2m	DL-50 2m	DL-51 2m

SKU	Description	Material	Length (m)	Anchorage Connection	Harness Connection	Standard
1005327	Manyard shock-absorbing lanyard - 2m webbing w/ 1 snap hook + 1 karabiner	Stretchable webbing	2.0	Snap hook	Karabiner	EN355
1004590	Folke shock-absorbing lanyard - 2m webbing w/ 2 scaffold hooks + 1 karabiner	23mm webbing	2.0	Scaffold hook (63mm)	Karabiner	EN355
1004579	Shock-absorbing lanyard - 2m webbing w/ 1 scaff hook + 1 karabiner	23mm webbing	2.0	Scaffold hook (63mm)	Karabiner	EN355
1004591	Shock-absorbing lanyard - 2m rope w/ 1 scaff hook + 1 karabiner	12mm rope	2.0	Scaffold hook (50mm)	Karabiner	EN355
1002903	Shock-absorbing lanyard - 2m webbing w/ 2 karabiners	23mm webbing	2.0	Karabiner	Karabiner	EN355
1002907	Shock-absorbing lanyard - 2m rope w/ 2 karabiners	12mm rope	2.0	Karabiner	Karabiner	EN355
DL-50	Shock-absorbing lanyard - 2m rope w/ 1 snap hook	12mm rope	2.0	Snap hook	Webbing loop	EN355
DL-51	Shock-absorbing lanyard - 2m rope w/ 1 scaff hook	12mm rope	2.0	Scaffold hook (63mm)	Webbing loop	EN355

Shock-absorbing Lanyard



- Complete with a snap hook and a karabiner

10 082 76

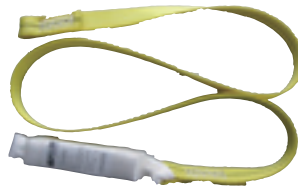
Shock-absorbing Lanyard



- Complete with a scaffold hook and a karabiner

10 082 81

Shock-absorbing Lanyard



- 1.8m webbing

10 147 91

Restraint Lanyard



- 1m webbing

10 147 92

Restraint Lanyard



- Equipped with a snap hook and a connection loop

DL-55

2m

Restraint Lanyard



- Equipped with a scaffold hook and a connection loop

DL-56

2m

Work Positioning Lanyard



- 16mm rope with rope adjuster and a snap hook

DL-25

2m

Work Positioning Belt



- Airflow comfort back support with 2 lateral D-rings

DL-20

SKU	Description	Material	Length (m)	Anchorage Connection	Harness Connection	Standard
1008276	Shock-absorbing lanyard - 2m rope w/ 1 snap hook + 1 karabiner	12mm rope	2.0	Snap hook	Karabiner	EN355
1008281	Shock-absorbing lanyard - 2m rope w/ 1 scaff hook + 1 karabiner	12mm rope	2.0	Scaffold hook (63mm)	Karabiner	EN355
1014791	Basic shock-absorbing lanyard - 1.8m webbing	27mm webbing	1.8	-	-	EN355
1014792	Basic lanyard - 1m webbing	27mm webbing	1.0	-	-	EN354
DL-55	Restraint lanyard - 2m rope w/ 1 snap hook	12mm rope	2.0	Snap hook	Rope loop	EN354
DL-56	Restraint lanyard - 2m rope w/ 1 scaff hook	12mm rope	2.0	Scaffold hook (63mm)	Rope loop	EN354
DL-25	Work positioning lanyard - 2m rope w/ 1 rope adjuster + 1 snap hook	16mm rope	2.0	Snap hook	Karabiner	EN358
DL-20	Work positioning belt	-	-	-	-	EN358

Falcon™ Self-retracting Lifelines

Falcon™ Self-retracting Lifelines a lightweight, and ultra rugged line of composite arrestors which are designed with smooth, round edges to increase durability. The high impact-resistant nylon housing withstands the harsh rigors of the toughest applications.

With corrosion resistant stainless steel and aluminum internal components, this composite range of fall arrestors also features a built-in ergonomically designed molded handle (15 and 20m versions only), providing support and leverage when attaching to an anchorage connector. A unique side payout design reduces wear on the guide entry bushing and cable for a smooth operation with less drag. Dual swivels (top of unit and snap hook end) maximize the life of the wire by decreasing the chance of it twisting up and “birdcaging” as the operator moves around.

- Unique side pay out design reduces entry guide and cable wear
- “No annual factory re-certification” lowers costs and downtime
- Load indicating hook identifies unit removal from service
- Lightweight smooth composite housing increases durability
- Galvanized wire or fully stainless steel unit options (webbing version upon request)

Falcon™ SRL



10 117 28 6.2m G
 10 117 29 6.2m SS
 10 117 42 10m G
 10 117 43 10m SS

Falcon™ SRL



10 117 46 15m G
 10 117 47 15m SS
 10 117 50 20m G
 10 117 51 20m SS



SKU	Description	4.8mm Galvanized Steel Cable	4.8mm Stainless Steel Cable	Length (m)	Anchorage Connection	Harness Connection	Handle	Weight (kg)	Standard
1011728	Falcon self-retracting lifeline - 6.2m galvanized steel cable	•	-	6.2	Karabiner	Snap hook	-	4.1	EN360
1011729	Falcon self-retracting lifeline - 6.2m stainless steel cable	-	•	6.2	Karabiner	Snap hook	-	4.1	EN360
1011742	Falcon self-retracting lifeline - 10m galvanized steel cable	•	-	10.0	Karabiner	Snap hook	-	5.0	EN360
1011743	Falcon self-retracting lifeline - 10m stainless steel cable	-	•	10.0	Karabiner	Snap hook	-	5.0	EN360
1011746	Falcon self-retracting lifeline - 15m galvanized steel cable	•	-	15.0	Karabiner	Snap hook	•	6.7	EN360
1011747	Falcon self-retracting lifeline - 15m stainless steel cable	-	•	15.0	Karabiner	Snap hook	•	6.7	EN360
1011750	Falcon self-retracting lifeline - 20m galvanized steel cable	•	-	20.0	Karabiner	Snap hook	•	7.7	EN360
1011751	Falcon self-retracting lifeline - 20m stainless steel cable	-	•	20.0	Karabiner	Snap hook	•	7.7	EN360

TurboLite™ Personal Fall Limiters

The best alternative to shock-absorbing lanyard!

- Extremely compact and lightweight (0.86kg) provides 1.8m working capacity lifeline; unit attaches directly to the harness back D-ring for greater mobility and versatility
- Engineered webbing for greater abrasion resistance and long service life
- Corrosion-resistant stainless steel, aluminum and high impact polymer internal components extend service life and reduce cost of ownership
- High-strength, impact-resistant nylon housing for maximum durability
- Built-in swivel prevents lifeline from twisting

TurboLite™ PFL

TurboLite™ PFL

TurboLite™ PFL



- Equipped with a snap hook and a karabiner

MFL-1/6FT 1.8m

- Equipped with a scaffold hook and a karabiner

MFL-2/6FT 1.8m

- Equipped with a snap hook

MFL-3/6FT 1.8m

SKU	Description	Length (m)	Anchorage Connection	Harness Connection	Weight (kg)	Standard
MFL-1/6FT	TurboLite personal fall limiter - 1.8m w/ 1 snap hook + 1 karabiner	1.8	Karabiner	Snap hook	1.09	ANSI A10.32
MFL-2/6FT	TurboLite personal fall limiter - 1.8m w/ 1 scaff hook + 1 karabiner	1.8	Karabiner	Scaffold hook (63mm)	1.41	ANSI A10.32
MFL-3/6FT	TurboLite personal fall limiter - 1.8m w/ 1 snap hook	1.8	-	Snap hook	0.86	ANSI A10.32

Basic Fall Arrester

Basic Fall Arrester



- Integral shock-absorber
- Comes with two screw karabiners

10 028 71 2.5m

SKU	Description	Length (m)	Anchorage Connection	Harness Connection	Weight (kg)	Standard
1002871	Inertia reel fall arrest block - 2.5m webbing w/ 2 karabiners	2.5	Karabiner	Karabiner	1.15	EN360

Connectors

Sperian anchorage connectors are used for securing an intermediate attachment to an anchorage point.

Screwgate Karabiner



- Steel screwgate karabiner, 18mm opening

10 189 60

Twistlock Karabiner



- Light-alloy twistlock karabiner, 23mm opening

10 028 35

SKU	Description	Opening (mm)	Breaking Strength (kN)	Weight (kg)	Standard
1018960	Steel screwgate karabiner - 18mm opening	18	25	0.18	EN362
1002835	Light-alloy twistlock karabiner - 23mm opening	23	28	0.08	EN362

Confined Space Equipment

Sperian tripod used in conjunction with fall arrest blocks and winches, form the core of a stable and secure confined entry / rescue system. Suitable for use on manholes, tanks, hatches and other below-ground work and confined spaces.



Tripod



- Aluminium tripod, full adjustable legs with rubber feet, height 2.1m

10 050 41

Manhandler Work Winch



- Easy operation, mechanical efficiency 5:1, with over-speed braking system, length 20m

10 050 42

MightEvac Fall Arrest Block



- Easy to use with rescue winch, gear ratio 5:1, equipped with fall indicator
- Aluminium & stainless steel housing and a compact design for heavy duty performance

10 051 49

10 053 30

Bracket

SKU	Description	Height (m)	Leg Span (m)	Max. Working Load (kg)	Weight (kg)	Standard
1005041	Aluminium tripod	2.1	1.5	136	15.00	EN795(b)

SKU	Description	Length (m)	Gear Ratio	Weight (kg)	Standard
1005042	Manhandler work winch - 20m galvanized steel cable	20	5:1	16.80	-
1005149	MightEvac fall arrest block - 15m galvanized steel cable	15	5:1	13.50	EN360
1005330	Bracket for MightEvac fall arrest block	15			

Rescue Equipment

The rescue and evacuation of an injured high access worker is a pre-planned rescue operations, such as those performed by global telecommunications climber, Sperian rescue products offer versatile low the raising or lowering of a casualty, either in their own harness, spaces) or a fully-functioned stretcher.

ProALLP Tech Descender



- Screw and auto-lock, controlled-rate rope descender for use with 10.5mm to 12.5mm rope

10 070 57

Right Hand Ascender



- Alloy heavy duty handled rope ascender for ascending on 10mm to 13mm rope

10 070 41

Automatic Rope Lock



- Automatic rope lock for use with 10.5mm to 12.7mm rope

10 070 31

Emergency Rescue Sling



- Emergency rescue sling

10 070 63

Single pulley



- Aluminium pulley for use with up to 12.7mm rope

10 070 38

Twin Pulley



- Alloy twin pulley for use with up to 12.7mm rope

10 070 40

Rope Protector



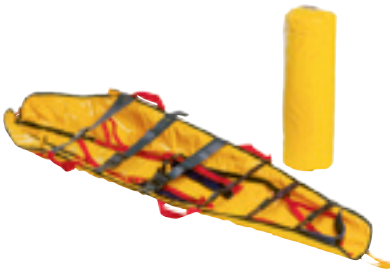
- Designed to protect the rope against abrasion and cutting.

10 102 14

SKU	Description	Suitable Rope Diameter (mm)	Weight (kg)	Standard
1007057	ProALLP Tech descender	10.5 - 12.7	0.62	EN12841/C
1007041	Right Hand ascender	10 - 13	0.26	EN567
1007031	Rocker rope lock	10.5 - 12.7	0.17	EN353-2
1007063	Emergency rescue sling	-	1.90	EN1497
1007038	Single swivel cheek pulley	up to 12.7	0.22	EN12278
1007040	Twin pulley	up to 12.7	0.36	EN12278
1010214	Rope protector	-	0.10	-

mandatory consideration for work at height operations. From fire and rescue teams to the on-site un-planned rescue of a fallen and effective rescue systems. The systems can be developed to allow a temporary rescue sling, an evacuation splint (perfect for confined

Evac Body Splint



- Fitted with foot supports
- Can be lifted vertically
- Padded shoulder strap
- Ideal for confined space evacuation

10 070 46

Cowstail Sling



- Cowstail sling

10 070 59

Kernmantle Rope



- 11 mm low-stretch rope

10 101 82

200M



SKU	Description	Length (cm)	Weight (kg)	Standard
1007046	Evac body splint	2m	5.48	93/42/EEC
1007059	Cowstail sling - 30cm	30	0.04	EN354/EN566

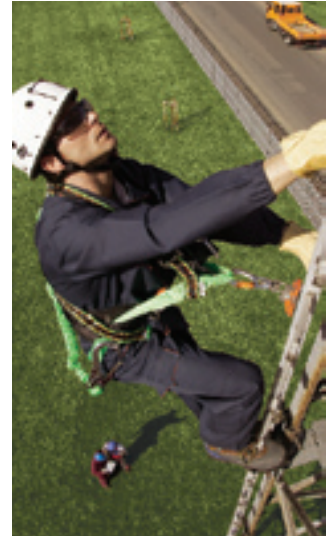
SKU	Description	Length m	Diameter (mm)	Weight (g/m)	Standard
1010182	11mm kernmantle rope - 200m coil	200	11.00	85	EN1891

GlideLoc® Safe Climbing Systems

Sperian 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.

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

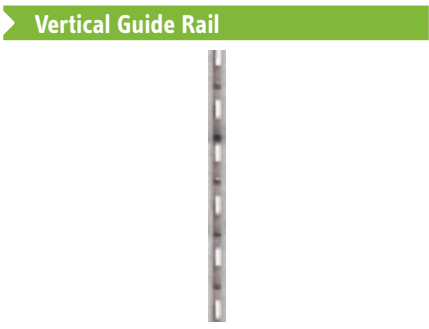
Available in both straight and curved form in a variety of materials to suit the work environment. Guide rails can be retrofitted to existing ladders.



Y-Spar Ladder

- Installed on a structure that does not have an existing ladder
- Section length: 4480 mm
- Comes with joint plate

10 672



Vertical Guide Rail

- For fixing onto existing ladders or climbing irons
- Section length: 4480 mm
- Comes with joint plate

14 614



Guide Rail Clamp

- For fixing onto the center rungs of existing ladders or climbing irons
- Comes with all installation elements

14 805



COMFORT Fall Arrester

- Attached to the front anchorage point on a harness and inserted into the rail. Locks automatically and arrest within centimetres in the event of a fall. Offers a smoother operation and reduces worker fatigue

10 070 95



Bottom-End Stop

- Prevents the fall arrester from either being inserted incorrectly or accidentally slipping out of the guide-rail
- For fitting to the very bottom of the rail system

21 049



Top-End Stop

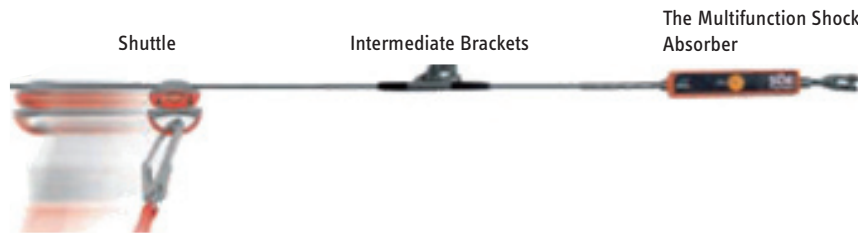
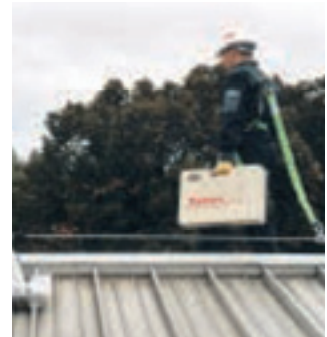
- Prevents fall arrester from being inserted incorrectly or accidentally slipping out of guide-rail
- For fitting to the very top of the rail system

21 050

SKU	Description
10672	Y-spar ladder - 4480mm, galvanized steel
14614	Vertical guide rail - 4480mm, galvanized steel
14805	Guide rail clamp for 36-45mm diameter, galvanized steel
1007095	COMFORT rail fall arrester
21049	Bottom end-stop, spring activated, stainless steel
21050	Top end-stop, spring activated, stainless steel

Xenon™ Horizontal Lifeline Systems

The Xenon™ Horizontal Lifeline allows greater mobility at any angle. It is suitable for any type of work at height where a fixed safety system is required. The perfect tool for engineers, contractors and architects to provide secure access on new buildings or industrial sites. The lifeline can be installed on a wall, roof, overhead or on the ground and adapts to curved and straight installations, and is licensed for simultaneous use by up to 4 people working on either side of the cable.



Standard Shuttle



- Double Locking Shuttle - can be attached and removed from the Xenon™ line at any point
- In the event of a fall the locking mechanism ensures additional safety by clamping onto line

10 057 09

Universal Intermediate



- Intermediate supports for the Xenon™ Static Line systems have been designed so that the gliders can easily and freely move over them without the user having to detach themselves from the line

10 106 09

90 Angle Kit



- Highly robust and easy to install

10 060 62

End Anchor Plate



- Provide connection of the absorber or cable end swage to the lifeline

10 061 78

Cable End Swage

- Interconnection piece between the cable and the end anchor with adjustment feature

10 067 01

Shock Absorber



- Reduces the load impact generated by a fall
- Integrated load indicator providing visual indication
- Easy installation and maintenance

10 149 30

Cable Swage



- Easy to install and compatible with the Xenon™ anchor points

10 067 04

8mm Cable



- 8-mm stainless steel cable for Xenon™ System

10 067 70

SKU	Description
1005709	Standard shuttle
1010609	Intermediate general-purpose passing point - 8mm
1006062	90 angle kit for 8mm cable
1006701	Cable end swage - 8mm
1014930	Multifunction shock absorber for 8mm cable
1006178	End anchor plate, stainless steel
1006704	Cable end swage - 8mm, for cable extension
1006770	8mm 7x7 cable - 500m coil, stainless steel

Vi-Go™ Vertical Fall Arrest Systems

Vi-Go™ is a new, remarkably ergonomic and versatile vertical steel rope system with integrated fall protection. It can be retrofitted onto existing climbing devices such as ladders or rungs used in wind turbine, power supply, telecommunication or other industries. It is basically made up of a steel rope or cable, fastening elements and a revolutionary guided-type fall arrester.

The user wears a full body harness and fastens the karabiner hook of the Vi-Go™ shuttle to the fall protection/fall arrest attachment ring of a harness. Users can start climbing or descending once the shuttle has been fixed to the rope.

Vi-Go™ Shuttle



- Made of high-grade stainless steel and aluminium
- Integrated shock-absorber and fall-indicator
- Dual-locking mechanism preventing accidental unlocking
- Smooth & silent sliding
- Single-hand operation

10 172 71

Automatic Intermediate



- Holds the cable in position and prevent it from moving excessively in windy conditions
- Shuttles can pass through without manual help, offering great comfort and convenience

10 173 75

Cable Tensioner



- Tensioner, tension indicator and expansion compensator integrated in one unit
- Easy to install and can compensate the movements of the structures)

10 173 81

Swageless Terminal



- Sophisticated and flexible solution for cable termination
- Requires minimal time for installation

10 173 86



SKU	Description
1017271	Guided type fall arrester
1017375	Automatic intermediate bracket for 8 mm cable
1017381	Tensioner for 8 & 10mm Cable, stainless steel
1017386	Swageless terminal for 8mm cable

Number	Group	Subgroup	Description	Page
10672	Engineering	SlideLoc	Y-spar ladder - 4480mm, galvanized steel	18
14614	Engineering	SlideLoc	Vertical guide rail - 4480mm, galvanized steel	18
14805	Engineering	SlideLoc	Guide rail clamp for 36-45mm diameter, galvanized steel	18
21049	Engineering	SlideLoc	Bottom end-stop, spring activated, stainless steel	18
21050	Engineering	SlideLoc	Top end-stop, spring activated, stainless steel	18
1002835	Connectors	Karabiner	Light-alloy twistlock karabiner - 23mm opening	14
1002849	Harnesses	Full body harness	2-point DuraFlex harness	6
1002851	Harnesses	Full body harness	3-point standard harness	7
1002853	Harnesses	Full body harness	3-point DuraFlex harness	6
1002857	Harnesses	Full body harness	3-point DuraFlex harness w/ positioning belt	6
1002871	Mechanical	Fall Arrest Block	Inertia reel fall arrest block - 2.5m webbing w/ 2 karabiners	14
1002903	Lanyards	Shock Absorbing Lanyard	Shock-absorbing lanyard - 2m webbing w/ 2 karabiners	10
1002907	Lanyards	Shock Absorbing Lanyard	Shock-absorbing lanyard - 2m rope w/ 2 karabiners	10
1004579	Lanyards	Shock Absorbing Lanyard	Shock-absorbing lanyard - 2m webbing w/ 1 scaff hook + 1 karabiner	10
1004590	Lanyards	Shock Absorbing Lanyard	Folked shock-absorbing lanyard - 2m webbing w/ 2 scaff hooks + 1 karabiner	10
1004591	Lanyards	Shock Absorbing Lanyard	Shock-absorbing lanyard - 2m rope w/ 1 scaff hook + 1 karabiner	10
1005041	Confined Space	Tripod	Aluminium tripod	15
1005042	Confined Space	Manhandler	Manhandler rescue winch - 20m galvanized steel cable	15
1005149	Confined Space	MightEvac	MightEvac fall arrest block - 15m galvanized steel cable	15
1005327	Lanyards	Shock-Absorbing Lanyard	Manyard shock-absorbing lanyard - 2m webbing w/ 1 snap hook + 1 karabiner	11
1005330	Confined Space	MightEvac	Bracket for MightEvac fall arrest block 15m	15
1005709	Engineering	Xenon	Standard shuttle	19
1006062	Engineering	Xenon	90 angle kit for 8mm cable	19
1006178	Engineering	Xenon	End anchor, stainless steel	19
1006701	Engineering	Xenon	Cable end swage - 8mm	19
1006704	Engineering	Xenon	Cable end swage - 8mm, for cable extension	19
1006770	Engineering	Xenon	8mm 7x7 cable - 500m coil, stainless steel	19
1007022	Harnesses	Full body harness	IBX:R full-body harness	9
1007031	Rescue	Rope Lock	Rocker rope lock	16
1007038	Rescue	Pulley	Single swivel cheek pulley	16
1007040	Rescue	Pulley	Twin alloy rescue pulley	16
1007041	Rescue	Manual Ascender	Right hand alloy ascender	16
1007046	Rescue	Splint	Evac body splint	17
1007057	Rescue	Manual Descender	ProAlp Tech descender	16
1007059	Rescue	Sling	Cowstail sling - 30cm	17
1007063	Rescue	Sling	Emergency rescue sling	16
1007095	Engineering	SlideLoc	COMFORT rail fall arrester	18
1008276	Lanyards	Shock-absorbing Lanyard	Shock-absorbing lanyard - 2m rope w/ 1 snap hook + 1 karabiner	11
1008281	Lanyards	Shock-absorbing Lanyard	Shock-absorbing lanyard - 2m rope w/ 1 scaff hook + 1 karabiner	11
1010182	Fall Arrester	Anchorage line	11mm kernmantle rope - 200m coil	17
1010214	Rescue	Rope Protector	Rope protector	16
1010252	Harnesses	sit body harness	RAM rescue sit harness - black	9
1010609	Engineering	Xenon	Intermediate general-purpose passing point - 8mm	19
1011728	Mechanical	Falcon	Falcon self-retracting lifeline - 6.2m galvanized steel cable	12
1011729	Mechanical	Falcon	Falcon self-retracting lifeline - 6.2m stainless steel cable	12
1011742	Mechanical	Falcon	Falcon self-retracting lifeline - 10m galvanized steel cable	12
1011743	Mechanical	Falcon	Falcon self-retracting lifeline - 10m stainless steel cable	12
1011746	Mechanical	Falcon	Falcon self-retracting lifeline - 15m galvanized steel cable	12
1011747	Mechanical	Falcon	Falcon self-retracting lifeline - 15m stainless steel cable	12
1011750	Mechanical	Falcon	Falcon self-retracting lifeline - 20m galvanized steel cable	12
1011751	Mechanical	Falcon	Falcon self-retracting lifeline - 20m stainless steel cable	12
1011890	Harnesses	Full body harness	1-point harness	7
1011891	Harnesses	Full body harness	2-point harness	7
1011893	Harnesses	Full body harness	1-point harness w/ positioning belt	7
1011894	Harnesses	Full body harness	2-point harness w/ positioning belt	7
1014791	Lanyards	Shock-Absorbing Lanyard	Basic shock-absorbing lanyard - 1.8m webbing	11
1014792	Lanyards	Restraint Lanyard	Basic lanyard - 1m webbing	11
1014930	Engineering	Xenon	Shock absorber for 8mm cable	19
1017271	Engineering	Vi-Go	Guided type fall arrester	20
1017375	Engineering	Vi-Go	Automatic intermediate bracket for 8 mm cable	20
1017381	Engineering	Vi-Go	Tensioner for 8 & 10mm Cable, stainless steel	20
1017386	Engineering	Vi-Go	Swageless terminal for 8mm cable	20
1018960	Connectors	Karabiner	Steel screwgate karabiner - 18mm opening	14
DL-20	Belts	Work Positioning Belt	Work positioning belt	11
DL-25	Lanyards	Restraint Lanyard	Work positioning lanyard - 2m rope w/ 1 rope adjuster + 1 snap hook	11
DL-30	Harnesses	Full body harness	1-point harness	8
DL-31	Harnesses	Full body harness	2-point harness	8
DL-35	Harnesses	Full body harness	2-point harness w/ positioning belt	8
DL-50	Lanyards	Shock-Absorbing Lanyard	Shock-absorbing lanyard - 2m rope w/ 1 snap hook	10
DL-51	Lanyards	Shock-Absorbing Lanyard	Shock-absorbing lanyard - 2m rope w/ 1 scaff hook	10
DL-55	Lanyards	Restraint Lanyard	Restraint lanyard - 2m rope w/ 1 snap hook	11
DL-56	Lanyards	Restraint Lanyard	Restraint lanyard - 2m rope w/ 1 scaff hook	11
MFL-1/6FT	Mechanical	TurboLite	TurboLite personal fall limiter - 1.8m w/ 1 snap hook + 1 karabiner	13
MFL-2/6FT	Mechanical	TurboLite	TurboLite personal fall limiter - 1.8m w/ 1 scaff hook + 1 karabiner	13
MFL-3/6FT	Mechanical	TurboLite	TurboLite personal fall limiter - 1.8m w/ 1 snap hook	13



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