

MSA Fall Protection

Solutions for Safety at Heights



*Because every life has a **purpose**...*



Solutions for **Safety at Heights**

Fall Protection personal protective equipment is used by workers in many industries. It is designed and used to prevent accidents at work or to protect against consequences of accidents at work.

MSA has been in the business of safety at height since 1930. Today it is at the forefront in both the supply and the range of innovative fall protection products.

MSA is truly a global manufacturer of fall protection, with major manufacturing plants in North and South America, Mexico and China, complimented by distribution hubs throughout the world.

Our extensive product range include textiles, such as the innovative EVOTECH and MSA Workman line of product, and a selection of hard goods, including self-retracting lanyards and confined space equipment. These are complimented by MSA rescue products, to ensure workers at height have the protection they need at all times.



Guidelines for working at height

- Avoid work at height, where possible
- Use other measures, such as guard rails, to prevent falls where working at height cannot be avoided
- Use personal restraint equipment that prevents the user reaching a potential hazard
- Use personal fall arrest equipment that will minimise the distance and force if a fall should occur.

Remember: You must use the most suitable equipment that gives protection measures, such as guard rails, priority over personal protection fall arrest systems

Fall Protection methods

Eliminate: Modifying the work environment or work duties to prevent the need for individuals to perform tasks at height.

Conventional: Passive means of preventing the worker from a fall over an edge.

Restraint: Using fall protection equipment to restrain a worker from reaching the edge.

Fall Arrest: Using fall protection equipment to arrest a fall in progress.

Work Procedure: Using zones and warnings to make workers aware of the dangers.

Rescue: When work at height is been carried out a rescue plan must be in place.

Factors to consider

Anchorage: Anchor points are an important part of any system; they should be suitably positioned for the intended operation and should be unquestionably sound.

Body support: Full body or lower body harness, general height work, work positioning/suspension, confined space applications. You must select the harness applicable to your work application.

Note: MSA does not recommend a lower body harness for use in industrial fall protection applications.

Connection means: What is needed between the anchorage and harness? As a minimum, a lanyard assembly (energy-absorbing lanyard). Possible configurations are fixed length lanyards, adjustable lanyard, tie-back lanyard, twin-tail lanyard. Also available is the MSA range of self-retracting lanyards, both webbing and wire rope.

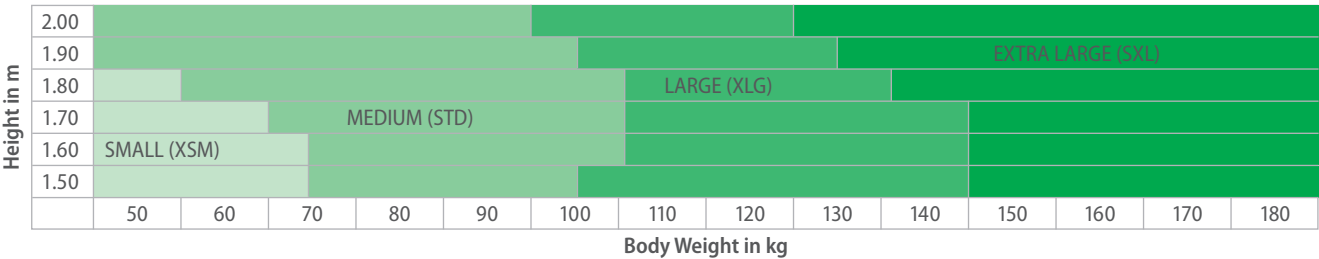
Rescue: Typically the forgotten term in a PPE selection plan. Suspension trauma can occur in as little as 5 minutes after a person has fallen in a harness. Do not rely on local rescue authorities to be on site within 5 minutes. MSA has a range of simple to use rescue products to assist you in performing a quick, safe and successful rescue. Consult your MSA specialist for advice on all of the above.

Fall Protection Components

Harness

What do I want?

Comfort. You want the perfect fit. To ensure a perfect fit, harnesses are available in different sizes. A standard size will fit most workers. See harness sizing selection chart to determine the best size for you.



Ease of Use. You want a harness that is easy for you to get into and adjust. Harnesses are available in primarily two styles:

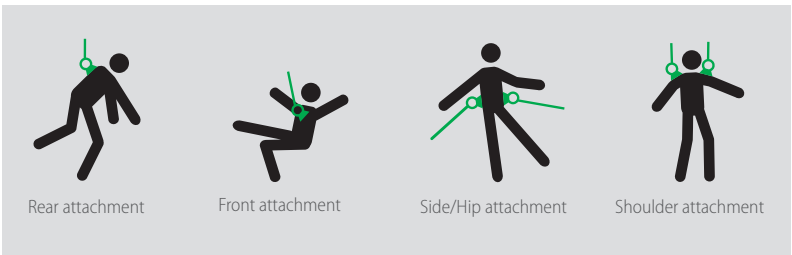
- **Parachute style (vest style):** A vest type harness is put on like a jacket.
- **Crossover (cross-chest):** A crossover harness is put on over the head, similar to putting on a jumper.

The choice on style is a matter of personal preference. There are also different types of leg and shoulder strap connections available on a harness:

- **Qwik-Fit** (traditional mating buckle) or
- **Secure-Fit/Bayonet style** (auto lock double action unlock)

Both styles offer fast and easy connection and adjustment. The choice of leg strap connections is a matter of personal preference.

Many harnesses have multiple attachment points. Fall arrest attachments are labelled with "A", other are for positioning, or raising and lowering:



- **Rear attachment:** Used for fall arrest and can also be used as a rescue attachment.
- **Front attachment:** Used for fall arrest mostly for descent, ladder climbing and rescue.
- **Side/Hip attachment:** Used for work positioning activities that allows the worker to perform hands free work.
- **Shoulder attachment:** Used for raising a user out of, or lowering a worker into, a working environment.

Anchorage



How do I know which to choose?

Anchorage selection is driven primarily by application. You will need to carefully consider your work environment, in particular the type of structure where the connector will be attached.

Examples include:

- Roof
- Scaffold
- Steel Beam
- Concrete Column
- Rail

Weight should also be a consideration if a worker will need to carry the connector around during the work day.

The above mentioned information is just a guideline. Please always refer to your local regulatory bodies for clarification.

Lanyard



How do I know which to choose?

There are two primary types of lanyards:

- **Restraint lanyards** used to prevent user from reaching a potential hazard
- **Energy-absorbing lanyards** used when fall hazard exists

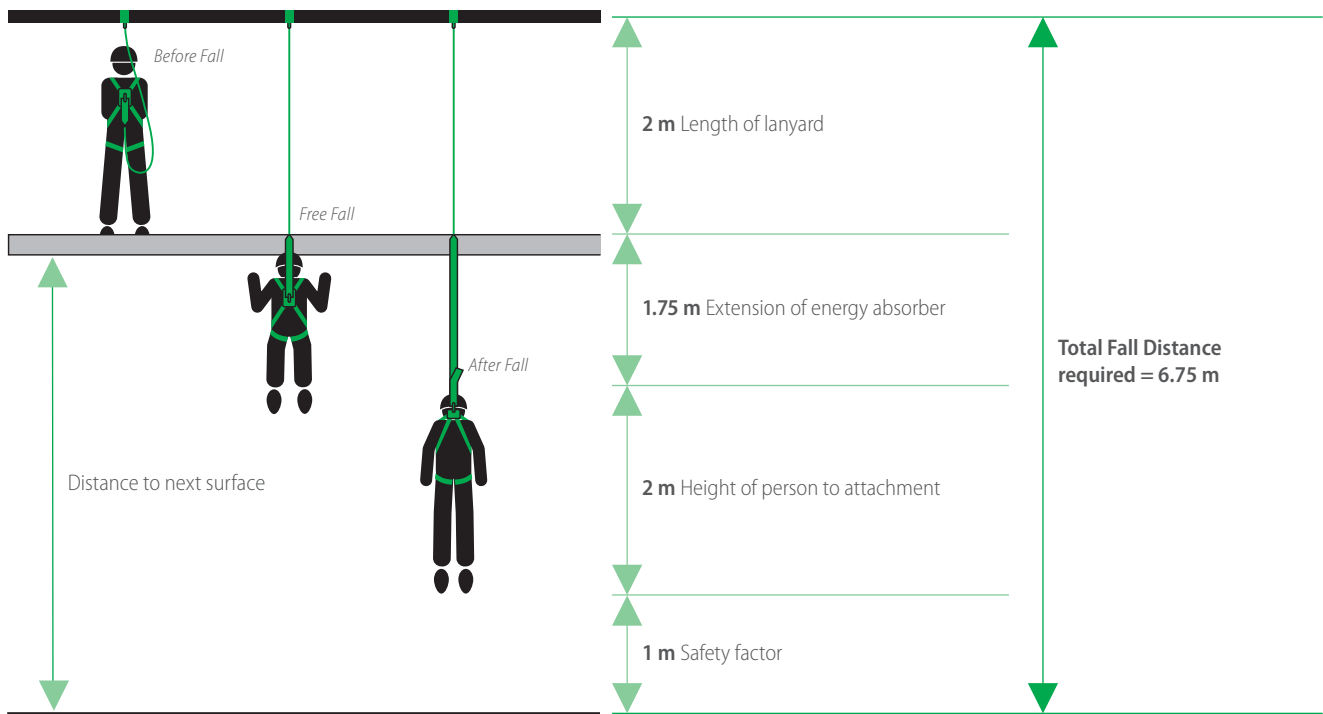
In choosing the correct lanyard, you must keep the application in mind.

- Ensure the lanyard is the proper length to allow the necessary worker movement/positioning
- Determine that the right material type is chosen (depending on your work environment)
 - Cable works best in high heat environments or around sharp edges
 - Rope or webbing works best in most other applications
- Ensure you have calculated your total fall distance. See graphic for more information.

You also need to consider the compatibility of the system components. Components produced by different manufacturers may not be interchangeable. The best way to ensure compatibility is to purchase all components from the same manufacturer.

Note: If a lanyard assembly is not suitable the use of a Self-Retracting Lifeline (SRL) device is recommended.

How to calculate Total Fall Distance



Drawing only representational. NOT TO SCALE.

Full Body **Harnesses**

EVOTECH Harness

Using the latest technology in safety and comfort, the EVOTECH harness is designed for all day use from the most demanding of users. The EVOTECH has a host of features including:

- Breathable padding with moisture-wicking material keeps worker cooler
- No binding edge on shoulder padding prevents neck chafing
- Patent-pending leg strap design keeps leg straps in place for increased mobility and comfort
- Leg strap padding offers additional comfort during work positioning
- Variable width sub-pelvic strap webbing provides 50% more surface area for improved weight distribution
- Single-hand torso buckles simplify harness adjustment
- Convenient 3-position back D-ring allows users to determine optimal lanyard connection position
- Built-in RFID chip lets you easily track and inspect harness
- Web finials prevent fraying on web ends for added durability
- NanoSphere® coating on webbing repels dirt, grease, moisture, and more
- Reflective piping increases visibility in low-light environments
- Quick connect buckles and positionable lanyard clip ensure easy wear
- Front and back fall arrest attachment points
- Certified to EN 358 and EN 361 (depending on model)

Part No.	Description
10123403	EVOTECH Harness, small
10123404	EVOTECH Harness, medium
10123405	EVOTECH Harness, large
10123406	EVOTECH Harness, small, waist padding, hip D-rings
10123407	EVOTECH Harness, medium, waist padding, hip D-rings
10123408	EVOTECH Harness, large, waist padding, hip D-rings
10123411	EVOTECH Harness, small, waist padding, dorsal extension, hip & shoulder D-rings
10123412	EVOTECH Harness, medium, waist padding, dorsal extension, hip & shoulder D-rings
10123413	EVOTECH Harness, large, waist padding, dorsal extension, hip & shoulder D-rings
10123414	EVOTECH Harness, small, waist padding, hip & shoulder D-rings
10123415	EVOTECH Harness, medium, waist padding, hip & shoulder D-rings
10123416	EVOTECH Harness, large, waist padding, hip & shoulder D-rings



TechnaCurv Full Body Harness

The TechnaCurv Full Body Harness was designed with your comfort in mind.

- Curvilinear Comfort System
- Visco-elastic shoulder padding
- Innovative web design
- Secure-Fit buckles
- Sorbtek fabric on shoulder & sub-pelvic pads
- Downward-adjusting torso straps to ease adjustment
- Variable width webbing distributes weight over a wider surface area to increase comfort during suspension/work positioning (width varies from 42 mm to 67 mm)
- Integral load indicator
- Certified to EN 361, EN 358

Part No.	Description
10105802	TechnaCurv Harness, STD
10105805	TechnaCurv Harness, XLG
10105810	TechnaCurv Harness, SXL



Gravity Harness

The Gravity Harness is suitable for controlled descent, positioning, ladder climbing, rescue, and fall arrest. It has a cross-over style design and includes back and front D-rings, Qwik-Fit leg straps, and an integral load indicator to alert you when the harness has been involved in a fall event. The harness is certified to EN 361.

Part No.	Description
10105562	Gravity Harness, STD, red/blue nylon webbing
10105565	Gravity Harness, XLG, red/blue nylon webbing
10105563	Gravity Harness, STD, black nylon webbing
10105564	Gravity Harness, STD, yellow reflective nylon webbing



ArcSafe Harness

Originally designed in the US to meet the stringent requirements of the ASTM F887-05 standard for arc flash protection up to 40 cal/cm², the ArcSafe harness meets the needs of utility and maintenance workers.

- Nylon web loop attachment points
- Integral load indicator
- Y-shaped back web loop locator pad provides comfort by moving the webbing away from the wearer's neck
- Qwik-Fit leg straps
- Colour-coded leg and torso straps to simplify donning
- Downward-adjusting torso straps to ease adjustment
- Available in vest and cross-chest style
- Certified to EN 361

Part No.	Description
10119399	ArcSafe Vest-Style Harness, XSM
10119400	ArcSafe Vest-Style Harness, STD
10105548	ArcSafe Vest-Style Harness, XLG
10105549	ArcSafe Vest-Style Harness, SXL
10105546	ArcSafe Cross-Chest Harness, XSM
10105547	ArcSafe Cross-Chest Harness, STD
10119397	ArcSafe Cross-Chest Harness, XLG
10119398	ArcSafe Cross-Chest Harness, SXL



Full Body Harnesses

MSA Workman Harness Line

MSA Workman Light

The MSA Workman Light, single D-ring harness, provides comfortable protection, due to its lightweight components and durable webbing. The vest-style harness fits a wide range of body types and sizes. Colour-contrasting thigh and torso straps simplify donning. Certified to EN 361.

Part No.	Description
10115526	MSA Workman Light Full Body Harness, small, Qwik-fit leg straps, D-ring
10115527	MSA Workman Light Full Body Harness, medium, Qwik-fit leg straps, D-ring
10115528	MSA Workman Light Full Body Harness, large, Qwik-fit leg straps, D-ring



MSA Workman Premier

The MSA Workman Premier offers the user an additional attachment point at the front, with extra adjusters on the torso for even greater adjustment. The harness also offers shoulder loops for use with the MSA Spreader bar. Certified to EN 361, EN 1497.

Part No.	Description
10115541	MSA Workman Premier Full Body Harness, small, Qwik-fit leg straps, D-ring
10115542	MSA Workman Premier Full Body Harness, medium, Qwik-fit leg straps, D-ring
10115543	MSA Workman Premier Full Body Harness, large, Qwik-fit leg straps, D-ring
10115544	MSA Workman Premier Full Body Harness, small, Bayonet leg straps, D-ring
10115545	MSA Workman Premier Full Body Harness, medium, Bayonet leg straps, D-ring
10115546	MSA Workman Premier Full Body Harness, large, Bayonet leg straps, D-ring



MSA Workman Utility

The MSA Workman Utility offers everything the Premier harness offers and more, incorporating a waist belt and pad and hip positioning D-rings, making this the perfect harness for Utility work. Certified to EN 358, EN 361, EN 1497.

Part No.	Description
10115547	MSA Workman Utility Full Body Harness, small, Bayonet leg straps, D-ring
10115548	MSA Workman Utility Full Body Harness, medium, Bayonet leg straps, D-ring
10115549	MSA Workman Utility Full Body Harness, large, Bayonet leg straps, D-ring



MSA Workman Harness Kits

Your basic fall protection needs for construction and general maintenance are now available in one, easy to order kit. All fall protection kits include the MSA Workman Light Harness, lanyard and anchorage connector in an easy to stow bag. Certified to EN 354, EN 355 and EN 361.

Part No.	Description	Size	Lanyard	Anchorage Connection
10115529	MSA Workman Light Full Body Harness Kit	Small	Single-leg	Aluminium carabiner
10115530	MSA Workman Light Full Body Harness Kit	Medium	Single-leg	Aluminium carabiner
10115531	MSA Workman Light Full Body Harness Kit	Large	Single-leg	Aluminium carabiner
10115532	MSA Workman Light Full Body Harness Kit	Small	Single-leg	Aluminium scaffold hook
10115533	MSA Workman Light Full Body Harness Kit	Medium	Single-leg	Aluminium scaffold hook
10115534	MSA Workman Light Full Body Harness Kit	Large	Single-leg	Aluminium scaffold hook
10115535	MSA Workman Light Full Body Harness Kit	Small	Twin-leg	Aluminium carabiner
10115536	MSA Workman Light Full Body Harness Kit	Medium	Twin-leg	Aluminium carabiner
10115537	MSA Workman Light Full Body Harness Kit	Large	Twin-leg	Aluminium carabiner
10115538	MSA Workman Light Full Body Harness Kit	Small	Twin-leg	Aluminium scaffold hook
10115539	MSA Workman Light Full Body Harness Kit	Medium	Twin-leg	Aluminium scaffold hook
10115540	MSA Workman Light Full Body Harness Kit	Large	Twin-leg	Aluminium scaffold hook



MSA Workman Spreader Bar

The MSA Workman Spreader Bar is used in conjunction with the Premier or Utility harness for raising and lowering a person during rescue. The attached web loops can be used to secure an incapacitated victim's arms when lifting or lowering. Certified to EN 354.

Part No.	Description
10115550	MSA Workman Spreader Bar, steel snaphook
10115551	MSA Workman Spreader Bar, aluminium snaphook



Energy-Absorbing Lanyards

Energy-absorbing lanyards provide a means of connection between the fall arrest attachment of MSA full body harnesses and a qualified anchorage and anchorage connector. The energy absorber keeps fall arrest forces below EN limits and deceleration distance is controlled to a maximum of 175 cm. The lanyard is available in web, rope, and wire rope configurations with a variety of snaphooks.

ArcSafe Lanyards

Originally designed in the US to meet the stringent requirements of ASTM F887 standard for electrical arc flash protection, ArcSafe energy-absorbing lanyards utilize a tear-tape design to keep fall arrest forces below 6 kN.

- Constructed of 25 mm nylon webbing
- Includes sewn loop on energy absorber end, and 19 mm snaphook on lanyard leg
- Adjustable in length (1.8 m down to 1.2 m)
- Incorporates a protective cover over the energy absorber
- Certified to EN 354, EN 355

Part No.	Description
10101886	ArcSafe Lanyard, single-leg, hitch loop, 1 x 19 mm snaphook
10101887	ArcSafe Lanyard, twin-leg, hitch loop, 2 x 19 mm snaphooks



Thermatek Lanyard

This specialized energy-absorbing lanyard features a Tuffweld protective cover that is superior to Nomex and a unique energy absorber design that incorporates a Kevlar back-up strap that is resistant to charring and burning.

- 6 mm cable
- 1.8 m length
- Certified to EN 354, EN 355

Part No.	Description
10101888	Thermatek Lanyard, cable, 2 x 19 mm snaphooks



MSA Workman Energy-Absorbing Lanyards

MSA Workman energy-absorbing lanyards are lightweight with a low-profile body. The energy absorber includes a clear, durable protective cover over the labels to increase service life and allow for easy inspection.

- Tear-tape design to keep fall arrest forces below 6 kN
- Choice of single or twin-leg configurations
- Choice of connector configurations
- Certified to EN 354, EN 355

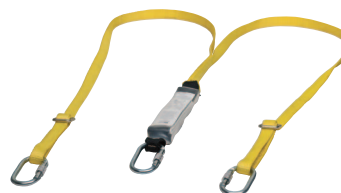
Variants



Single-Leg, webbing,
steel screwgate carabiners



Single-Leg, kernmantel rope, steel
screwgate carabiners



Twin-Leg, webbing,
steel screwgate carabiners

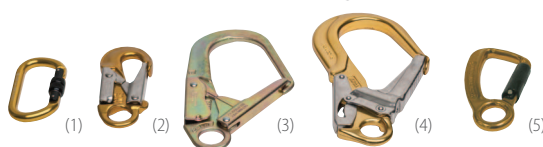


Twin-Leg, kernmantel rope,
steel screwgate carabiners

Other connections ...

- Aluminium screwgate carabiner (1)
- Aluminium snaphook (2)
- Steel scaffold hook (3)
- Aluminium scaffold hook (4)
- Aluminium autolock carabiner (5)

... to anchorage



... to harness



Single-Leg	Twin-Leg	Material	Lenght	Harness Connection	Anchorage Connection
10115741	10115750	Webbing	2.0 m adjustable	Steel screwgate carabiner	Steel screwgate carabiner
10115742	10115751	Webbing	2.0 m adjustable	Steel screwgate carabiner	Steel scaffold hook
10115745	10115754	Webbing	2.0 m adjustable	Aluminium screwgate carabiner	Aluminium screwgate carabiner
10115747	10115756	Webbing	2.0 m adjustable	Aluminium screwgate carabiner	Aluminium scaffold hook
10115748	10115757	Webbing	2.0 m adjustable	Aluminium screwgate carabiner	Aluminium snaphook
10115749	10115758	Webbing	2.0 m adjustable	Aluminium autolock carabiner	Aluminium autolock carabiner
10115759	10115777	Kernmantel rope	1.5 m fixed	Steel screwgate carabiner	Steel screwgate carabiner
10115760	10115778	Kernmantel rope	1.5 m fixed	Steel screwgate carabiner	Steel scaffold hook
10115763	10115781	Kernmantel rope	1.5 m fixed	Aluminium screwgate carabiner	Aluminium screwgate carabiner
10115765	10115783	Kernmantel rope	1.5 m fixed	Aluminium screwgate carabiner	Aluminium scaffold hook
10115766	10115784	Kernmantel rope	1.5 m fixed	Aluminium screwgate carabiner	Aluminium snaphook
10115767	10115785	Kernmantel rope	1.5 m fixed	Aluminium autolock carabiner	Aluminium autolock carabiner
10115768	10115786	Kernmantel rope	2.0 m fixed	Steel screwgate carabiner	Steel screwgate carabiner
10115769	10115787	Kernmantel rope	2.0 m fixed	Steel screwgate carabiner	Steel scaffold hook
10115772	10115790	Kernmantel rope	2.0 m fixed	Aluminium screwgate carabiner	Aluminium screwgate carabiner
10115774	10115792	Kernmantel rope	2.0 m fixed	Aluminium screwgate carabiner	Aluminium scaffold hook
10115775	10115793	Kernmantel rope	2.0 m fixed	Aluminium screwgate carabiner	Aluminium snaphook
10115776	10115794	Kernmantel rope	2.0 m fixed	Aluminium autolock carabiners	Aluminium autolock carabiner

Energy-Absorbing Lanyards

Sure-Stop EN Lanyards

The Sure-Stop EN Energy-Absorbing Lanyards are engineered with precision and are manufactured using only those components that meet our high quality standard. With a compact, tear-tape energy absorber design, the Sure-Stop EN lanyards ensure that the fall arrest forces transmitted to your body do not exceed 6 kN. In addition, Sure-Stop EN lanyards feature:

- A clear energy absorber cover to protect product labels from damage and make inspection easier
- A choice of high-strength web, rope, or cable models
- A variety of snaphook options for virtually any application
- Single-leg and twin-leg models (twin-leg models provide 100% continuous connection)
- Fixed and adjustable lengths (1.8 m adjustable length lanyards adjust down to 1.2 m)
- A standard length of 1.8 m
- Certified to EN 354, EN 355

Part No.	Description
10114328	Sure-Stop EN Lanyard, 25 mm nylon web, fixed length, 2 x 19 mm snaphooks
10114329	Sure-Stop EN Lanyard, 25 mm nylon web, twin-leg, fixed length, 3 x 19 mm snaphooks
10114334	Sure-Stop EN Lanyard, cable, fixed length, 2 x 19 mm snaphooks
10114335	Sure-Stop EN Lanyard, cable, twin-leg, fixed length, 3 x 19 mm snaphooks



FP5K Tie-Back Energy-Absorbing Lanyard

- Uses the FP5K carabiner
 - 22.24 kN gate strength in any direction
 - Unique carabiner body shape helps avoiding confusion with standard connectors
 - FP5K carabiner design allows for maximum clearance inside the body of the carabiner 25 mm gate opening
- Utilizes Monster Edge webbing with 53.38 kN minimum breaking strength
 - Monster Edge webbing is designed for increased abrasion resistance
 - Internal wear indicator consists of two yellow threads that, when visible, alert a user as to when the lanyard should be removed from service due to severe abrasion
 - Available in both single and twin-leg configurations
- Certified to EN 354, EN 355

Part No.	Description
10114327	Sure-Stop EN Lanyard, 25 mm Monster Edge web, adjustable length, 1 x 19 mm snaphook, 1 x 25 mm FP5K snaphook
10114325	Sure-Stop EN Lanyard, 25 mm Monster Edge web, twin-leg, adjustable length, 1 x 19 mm snaphook, 2 x 25 mm FP5K snaphooks



Expanyard Energy-Absorbing Lanyards

- Designed to stretch to a 1.8 m length (relaxed length is 1.5 m)
- When relaxed, it stays close to the user's body, reducing the possibility of trip and snag hazards
- Certified to EN 354, EN 355

Part No.	Description
10114331	Sure-Stop EN Lanyard, Expanyard style, 2 x 19 mm snaphooks
10114332	Sure-Stop EN Lanyard, Expanyard style, twin-leg, 3 x 19 mm snaphooks
10114333	Sure-Stop EN Lanyard, Expanyard style, twin-leg, 1 x 19 mm snaphook, 2 x 52 mm carabiners



Restraint Lanyards

A fall restraint lanyard connection is used between the anchor point and the body harness to prevent the user from reaching the fall area and work positioning (stabilizing a worker at an elevated location) applications. Certified to EN 358.

Part No.	Description
10102692	Restraint Lanyard, cable, 1.5 m fixed length, 19 mm snaphooks, 35 mm width
10102693	Restraint Lanyard, polyester rope, 1.8 m fixed length, 19 mm snaphooks, 35 mm width



MSA Workman Restraint Lanyards

MSA Workman Restraint Lanyards are available in web and kernmantel rope. Certified to EN 358.

Part No.	Description
10115795	MSA Workman Restraint Lanyard, webbing, 1.5 m fixed length, steel screwgate carabiner
10115796	MSA Workman Restraint Lanyard, webbing, 1.5 m fixed length, aluminium screwgate carabiner
10115797	MSA Workman Restraint Lanyard, webbing, 2 m fixed length, steel screwgate carabiner
10115798	MSA Workman Restraint Lanyard, webbing, 2 m fixed length, aluminium screwgate carabiner
10115799	MSA Workman Restraint Lanyard, webbing, 2 m adjustable length, steel screwgate carabiner
10115800	MSA Workman Restraint Lanyard, webbing, 2 m adjustable length, aluminium screwgate carabiner
10115801	MSA Workman Restraint Lanyard, kernmantel rope, 2 m adjustable length, aluminium carabiner



Rebar Assemblies

Designed for work positioning applications such as tying rebar or constructing concrete forms. Certified to EN 358.

Part No.	Description
10102695	Rebar web assembly, 25 mm polyester, 33 cm legs, with sliding large snaphooks
10102689	Rebar chain assembly, 19 mm snaphook with 52 mm gate



Lineman's Pole Strap

The Lineman's Pole Strap is used to assist a lineman in climbing wooden poles and for work positioning. Certified to EN 358.

Part No.	Description
10102694	Lineman's pole strap, nylon, adjustable to max. length of 1.78 m, steel snaphooks



Anchorage Connectors

Anchorage connectors are compatible for use with MSA fall arrest and confined space entry/retrieval components. They have a minimum breaking strength of 22.24 kN. Certified to EN 795.

PointGuard Anchorage Connector Strap



- Quick and easy to install
- Residential construction
- Durable polyester webbing

Part No.	Description
10103224	PointGuard anchorage connector strap, 0.9 m with D-ring

Thermatek Anchorage Connector Strap



- Kevlar webbing and stitching
- Contrasting colours allow for easier inspection
- Includes replaceable wear pad to protect webbing from abrasion
- Heat and burn resistant

Part No.	Description
10103221	Thermatek anchorage connector strap, 1.5 m

Anchorage Connector Strap



- D-ring on one end and a sewn loop on the other end

Part No.	Description
10103223	Anchorage connector strap, nylon, 1.5 m
10103222	Anchorage connector strap, polyester, 1.5 m

MSA Workman Anchorage Sling



- 25 mm webbing

Part No.	Description
10115802	MSA Workman anchorage sling, 1.5 m
10115803	MSA Workman anchorage sling, 2 m

Anchorage Cable Sling



- Vinyl coated
- 6.35 mm galvanized cable
- Flemish eye spliced

Part No.	Description
10110162	Anchorage cable sling, 1.2 m
10110163	Anchorage cable sling, 1.8 m

Anchorage Connector Cable



- Vinyl coated
- 6.35 mm galvanized cable

Part No.	Description
10103219	Anchorage connector cable, 1.8 m

MSA Workman Tripod

- Legs automatically lock in the open position for added safety
- A maximum height indicator provides quick and easy identification of the maximum leg extension length
- No need for a separate pulley/bracket assembly, which makes hoist attachment easier and faster
- Accessories can attach to any leg for faster set up
- Aluminium leg and head design reduces weight
- Telescoping legs (up to 2.45 m high) do not tangle when the unit is collapsed
- Certified to EN 795

Part No.	Description
10116521	MSA Workman Tripod
10129891	Replacement leg strap
10129888	Steel carabiner
10105656	Carrying bag



SureGrab Rope Grab and Vertical Lifeline Kit

The SureGrab device and lifeline is used to provide temporary fall protection on ladders or when climbing vertical structures. This system can also be used to provide a secondary lifeline for suspended positioning systems used by building/structure inspectors, window cleaners, and maintenance personnel. The SureGrab device moves freely up or down an approved 16 mm diameter lifeline. When sudden downward movement occurs, a camming lever is activated arresting the fall. The device can be installed or removed from the lifeline at any point along its length.

The Vertical Lifeline Kit consists of a 16 mm diameter, 18 m length polyblend rope and a 19 mm snaphook on one end. It comes with rope grab and is certified to EN 353-2.

Part No.	Description
10104072	Rope grab fall arrester, automatic/manual, open body, 44.5 mm x 30.5 cm web lanyard, 19 mm snaphook
10110161	Vertical Lifeline Kit, 18 m, 19 mm snaphook, incl. rope grab
10121804	Vertical Lifeline, replacement rope



Self-Retracting Lanyards

Self-Retracting Lanyards are fast-acting fall arresters that limit free fall distance, deceleration distance and free fall forces while allowing the user freedom of movement. SRL devices are ideal for climbing ladders or any other application where vertical mobility is needed.

MSA Workman SRL

With lightweight design, durable thermoplastic housing and impact-absorbing bumpers, the MSA Workman SRL range will provide years of dependable service.

- Integral, ergonomic carrying handle for easier transport and installation
- RFID-enabled product for simplified product tracking and inspection
- 136 kg working capacity for increased versatility
- Swivel snap-hook avoids twisting of the cable during use
- Load indicator alerts users that the MSA Workman SRL has been involved in a fall and needs to be removed from use
- Certified to EN 360

Part No.	Description
10120722	MSA Workman SRL, 9 m, galvanized cable
10120723	MSA Workman SRL, 9 m, stainless-steel cable
10121776	MSA Workman SRL, 15 m, galvanized cable
10121777	MSA Workman SRL, 15 m, stainless-steel cable



MSA Workman PFL

- Integral load indicator
- Integral swivel at PFL/SRL connector
- Durable, engineered thermoplastic housing
- Certified to EN 360

Part No.	Description
10119074	MSA Workman PFL EN, 25 mm nylon web, 3.6 m, steel snaphook
10119075	MSA Workman PFL EN, 25 mm nylon web, 3.6 m, aluminium snaphook
10119076	MSA Workman PFL EN, 25 mm nylon web, 3.6 m, aluminium carabiner
10119077	MSA Workman PFL EN, 25 mm nylon web, 3.6 m, steel scaffold hook, back d-connector
10119078	MSA Workman PFL EN, cable, 3.6 m, steel snaphook
10119079	MSA Workman PFL EN, cable, 3.6 m, aluminium snaphook
10119080	MSA Workman PFL EN, cable, 3.6 m, aluminium carabiner
10119081	MSA Workman PFL EN, cable, 3.6 m, steel scaffold hook, back d-connector



Aptura SRL

With its solid design and fast-acting brake mechanism, you can be confident that the Aptura SRL will be there for you when you need it most. It is certified to EN 360.

- Durable, engineered thermoplastic housing with rugged, impact-absorbing bumpers
- Constant lock-up rate to prevent erratic, "jerky" lock-up
- SRL connector with integral swivel

Part No.	Description
10119082	Aptura SRL, 25 mm nylon web, 9 m, steel snaphook
10119083	Aptura SRL, 25 mm nylon web, 9 m, aluminium snaphook
10119084	Aptura SRL, 25 mm nylon web, 9 m, aluminium carabiner



Suspension Trauma Safety Step

The Suspension Trauma Safety Step is designed to help workers in a post-fall suspension position avoid the effects of suspension trauma. Workers can use a single Safety Step or two Safety Steps (one for each leg) to provide additional support, balance, and comfort.

- Compact, lightweight, versatile
- Multiple attachment point options
- Fast, easy installation and deployment
- Attaches to any harness
- Multiple loop design accommodates all heights and sizes

Part No.	Description
10143346	Suspension Trauma Safety Step with carabiner
10143347	Suspension Trauma Safety Step without carabiner

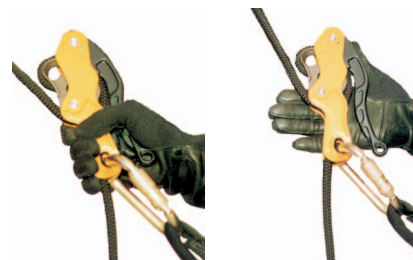


Anthron Descent Device System

The Anthron Descent Controller is a manually operated descent device. It is most commonly used for suspended work positioning, self evacuation, or rescue operations. Certified to EN 341.

- Proper roping/rigging diagrams on the side of the Anthron descender
- Device can be installed/removed at any point on rope

Part No.	Description
10104071	Anthron system (Anthron descender, 2 carabiners, 11 mm rope)



Carabiners



MSA carabiners have a minimum breaking strength of 22.24 kN. They are certified to EN 362.

Part No.	Description
10113001	Steel screwgate carabiner, 17 mm gate
10080675	Steel autolock carabiner, 22 mm gate
10080678	Steel autolock carabiner, 25 mm gate
10080676	Steel autolock carabiner, 52 mm gate
10113006	Aluminium screwgate carabiner, 19 mm gate
10080677	Aluminium scaffold autolock carabiner, 52 mm gate

Harness Accessories



The practical cell phone holder comes with Velcro attachments for fitting to the harness. With the tool lanyard you can securely carry or stow tools when working.



Part No.	Description
10117271	Cell phone holder
10110670	Tool lanyard

Hands-Off Chisel Grip



The spark resistant Hands-Off chisel grip keeps hands away from the point of contact. It is ergonomically designed to match the specific shape of the human hand for a comfortable and firm grip and permits faster, safer, more accurate work.

Part No.	Description
10040018	Hands-Off chisel grip
10083464	Replacement band

Ergonomic Tool Holder



Eases awkward hand positioning with a vibration-absorbing design to hold wrenches, chisels, etc. and attaches to broom handles and mops for better grip.

Part No.	Description
507005	Tool holder, 45 cm
507006	Tool holder, spark resistant, 45 cm

Fall Protection Harnesses for **SCBA**

In addition to the previously shown fall protection products, MSA also offers harnesses for use with self-contained breathing apparatus.



alphaFP

The SCBA harness alphaFP has been developed to offer ideal safety in exposed situations. Its excellent wearer comfort makes alphaFP ideal for height and shaft rescues, respiratory protection and tunnel operations.

- Easy connection and disconnection to any SCBA backplate
- Front opening system enables fast donning and doffing
- Design of leg loops allows for enormous freedom of movement
- Prolonged operations on a rope can be conducted in comfort, as the hip harness with both leg loops turns into a comfortable seat

alphaFP is the first fall protection which is certified to EN 137, EN 358, EN 361, and EN 813.

For more information please see leaflet 23-200.2



Vest Style



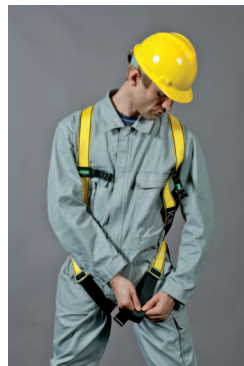
Hold harness from back D-ring locator pad and gently shake it to remove any twists in straps



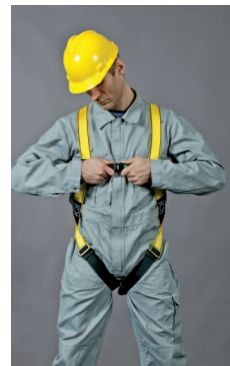
Slip straps over shoulders so to position back D-ring in the middle of your back between your shoulder blades



Pull each thigh strap between legs and fasten to buckle



Pull leg straps to adjust the harness for a snug and comfortable fit. If harness has a belt, connect after leg straps



Connect chest strap and position in midchest area. Tighten to keep shoulder straps taut and pass excess webbing through keepers

Cross Chest Method



Hold harness from back D-ring locator pad and gently shake it to remove any twists in straps



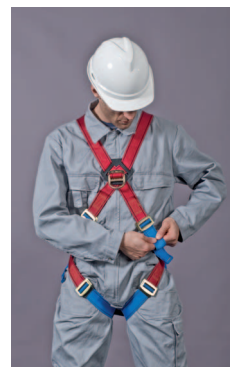
Place harness over your head so to position back D-ring to the centre of your back and front D-ring to just above the sternum area of your chest



Loosely connect chest strap buckles. Pull each thigh strap between legs and fasten to buckle. Care should be taken to keep the subpelvic strap beneath the buttocks



Pull leg straps to adjust the harness for a snug and comfortable fit. If harness has a belt, connect after leg straps



Adjust chest connectors to ensure a snug fit

European Standards

EN Standards recognized as Personal Protective Equipment

- EN 341:** Descender devices
- EN 353-1:** Guided type fall arresters including a rigid anchor line
- EN 353-2:** Guided type fall arresters including a flexible anchor line
- EN 354:** Lanyards
- EN 355:** Energy absorbers
- EN 358:** Work positioning systems
- EN 360:** Cable or webbing retractable lifelines
- EN 361:** Full body harnesses
- EN 362:** Connectors
- EN 795-B:** Mobile anchor devices
- EN 813:** Seat harnesses

EN Standards not recognized as Personal Protective Equipment

- EN 795-A:** Fixed anchor points
- EN 795-C:** Horizontal flexible anchor lines (cable or rope)
- EN 795-D:** Horizontal rigid anchor lines (rail)
- EN 1497:** Rescue harnesses
- EN 1498:** Rescue loops



Trust & Durability

For nearly 100 years our passionate mission of safety empowers us, “The Safety Company”, to protect lives.

We are committed to providing the latest in innovative, best-in-class safety solutions that feature integrated systems capability and allow our customers to return safely to their families and friends.

Every day our customers place their lives in our hands. In response, we provide them with protection they can trust, and their stories become our stories. Hand in hand, we partner with our customers to earn that trust.

At MSA, every life has a purpose.



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

Keison Products,

P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.

Tel: +44 (0)330 088 0560

Fax: +44 (0)1245 808399

Email: sales@keison.co.uk

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.