

# **MSA Fall Protection**

## Personal Protective Equipment

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## Solutions for **Working at Heights**

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*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, China and United Kingdom, complimented by distribution hubs throughout the world.

Our extensive product range include textiles, such as the innovative V-Series line of product, engineered lifelines with our Latchways® range, and a selection of hard goods, including self-retracting lanyards and confined space equipment. These are complemented 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 can not 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-leg 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?*

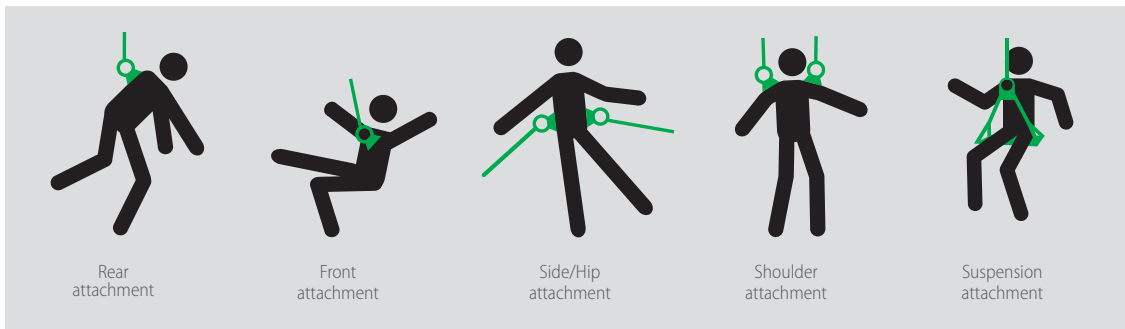
**Comfort.** You want the perfect fit. To ensure a perfect fit, harnesses are available in different sizes.

There are 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.
- **Suspension attachment:** Used in the window washing and painting industries and are designed to lower and support a worker while allowing a hands-free work.

## 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

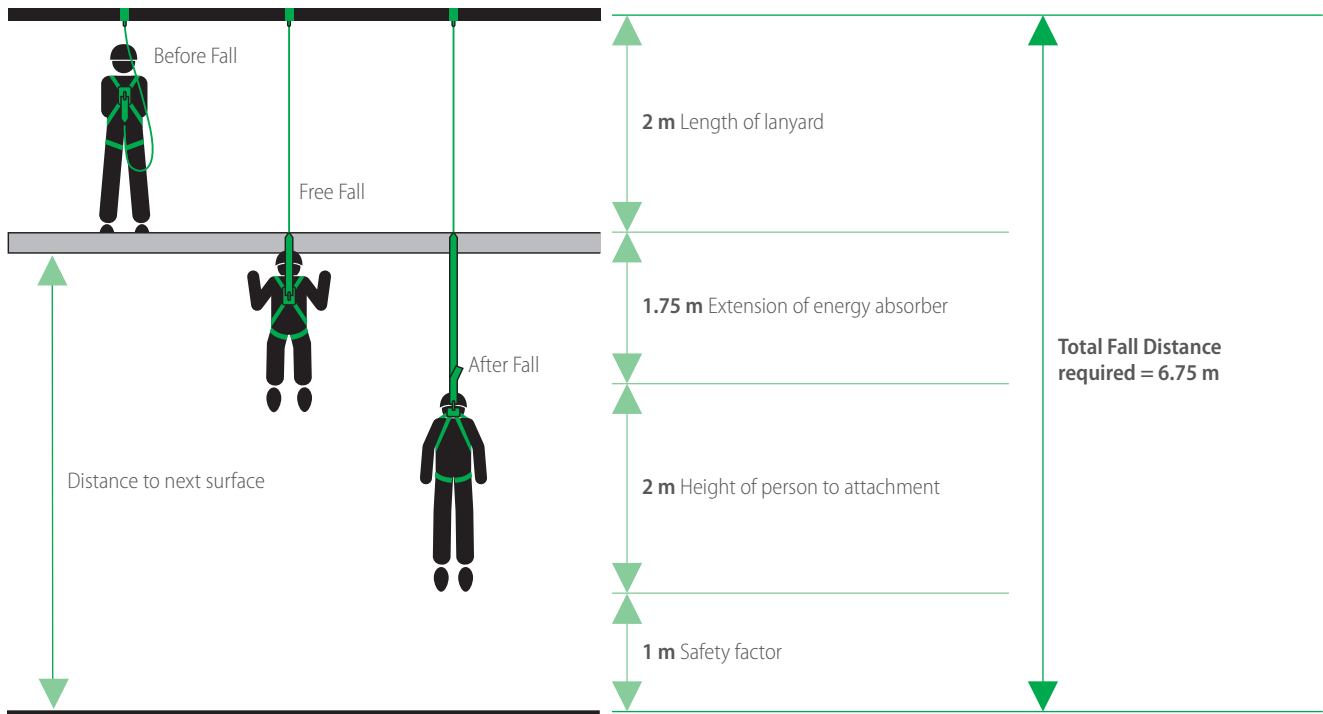
In choosing the correct lanyard, you must keep the application in mind.

- 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



Representation only. NOT TO SCALE.

# Full Body Harnesses

## NEW MSA V-FORM™

With lightweight and durable components, V-FORM range of harnesses provides full comfort to the users. The harnesses come in the nice combination of green and grey which quickly show the harness orientation for donning.

- 3 different harness versions with 3- or 5-point adjustment – single dorsal D-Ring, additional two loops at the front, additional shoulder loops for use with the MSA Spreader bar
- Colour-contrasting thigh and torso straps
- Dual load indicator
- Choice of Qwik-Fit or Bayonet leg straps
- 140 kg load capacity
- V-FORM waist belt can be attached onto a harness for work positioning
- Certified to EN 361:2002 and EN 1497:2007 (depending on model)

Description	SM	MED/LG	XLG
V-FORM harness, back D-ring, 3 adjusters, Qwik-Fit buckles (1)	10180183	10180184	10180185
V-FORM harness, back D-ring, front loops, 5 adjusters, Qwik-Fit buckles (2)	10180186	10180187	10180188
V-FORM harness, back D-ring, 5 adjusters, Qwik-Fit buckles	10180189	10180190	10180191
V-FORM harness, back D-ring, front loops, shoulder loops, Qwik-Fit buckles	10180192	10180193	10180194
V-FORM harness, back D-ring, front loops, shoulder loops, bayonet buckles (4)	10180195	10180196	10180197
V-FORM harness, back D-ring, front D-ring, 5 adjusters, Qwik-Fit buckles (3)	10185835	10185836	10185837



## NEW MSA V-FORM™ Waist Belt

As part of the work positioning system, this waist belt keeps workers in place while allowing hands-free work at elevated heights. It can be attached onto V-FORM full body harness or used as an accessory. For work positioning applications, a separate fall protection system must be used.

- Hip D-rings for work positioning
- Have a sliding belt on the back pad
- Webbing loops and plastic rings for holding tools
- Can be attached onto a V-FORM full body harness
- Certified to EN 358:1999

Description	SM	MED/LG
V-FORM, waist belt, 2 side D-rings, EN	10180210	10180211



**NEW** MSA V-FIT™

With distinctive design and extended padding, V-FIT range of full body harnesses provides high-level comfort for users in all applications.

- Fall arrest rated textile loops at the front and a lightweight aluminium back D-ring
- Harness version with two lateral aluminium D-rings
- Fully adjustable shoulder, chest strap and thigh straps
- Shoulder and leg padding
- Dual load indicator
- Bayonet style buckles with locking engagement window
- Lanyard keepers on shoulder straps
- Two tool holder loops at the back of the waist belt
- 140 kg load capacity
- Certified to EN 361:2002 and EN 358:1999 (depending on model)

Description	MED	LG	XLG
V-FIT harness, back D-ring, front loops, bayonet buckles (1)	10180198	10180199	10180200
V-FIT harness, back D-ring, front loops, 2 side D-rings, waist pad, bayonet buckles (2)	10180201	10180202	10180203



(1)



(2)



**NEW** MSA V-FORM™ Anti-Static

This harness is designed to offer a perfect solution for working safely in a potentially explosive atmosphere. It is made of polyester with 5 conductive threads to achieve the anti-static property.

- Two front attachment textile loops and the forged aluminium dorsal D-ring for Fall Arrest
- Stainless steel Quick-Fit buckles
- Adjustable chest, shoulder and leg straps
- Dual load indicator
- 140 kg load capacity
- Compatible Anti-Static lanyard (see page 9)
- Certified to EN 361:2002
- **Assessed against ATEX requirements:** EN ISO 80079-36:2016 and EN ISO 80079-37:2016

Description	SM	MED/LG	XLG
V-FORM harness, anti-static, back D-ring, Qwik-Fit buckles	10180204	10180205	10180206



# Full Body Harnesses

## MSA Gravity® Utility

The Gravity Utility Full Body Harness can be used in a diverse number of applications including confined space, rescue, transmission towers, telecom towers and rope access, and many others. MSA Gravity Utility harnesses are tested to ASTM F887 with an arc flash power of 40 cal/cm<sup>2</sup>. \*ASTM F887 is the US standard which addresses the hazards of electric arc exposure for workers wearing fall protective equipment.

- Orange/black webbing
- Attachment options:
  - Chest D-Ring - for fall arrest and positioning;
  - Dorsal D-Ring - for fall arrest and restraint;
  - Ventral loops - for suspension;
  - Waist D-Rings - for positioning and restraint.
- Waist and leg padding with flame resistant fabrics using aramid fibers
- Santoprene webbing keepers
- 100kg user weight
- Certified to EN 358:1999, EN 361:2002, EN 813:2008, ASTM F887-13

Part No.	Description
10150936	Gravity Utility harness, ASTM version, small
10150937	Gravity Utility harness, ASTM version, medium
10150938	Gravity Utility harness, ASTM version, large



## MSA Gravity® Suspension

The MSA Gravity Suspension Harness is designed to offer the best comfort, safety and quality for suspended work. Its waist pad is manufactured from fully breathable material and designed with multi-layered padding which dissipates pressure from the webbing to reduce fatigue when working for long periods of time.

The Gravity Suspension Harness comes with aluminium hardware and shoulder, leg and waist padding.

- 100kg user weight
- Certified to EN 358:1999, EN 361:2002, EN 813:2008

Part No.	Description
10150441	Gravity Suspension harness, black, small
10150442	Gravity Suspension harness, black, medium
10150443	Gravity Suspension harness, black, large



## MSA Thermatek

With heat and flame resistant Kevlar/Nomex blend webbing, the Thermatek full body harness is designed to withstand harsh welding environments.

- Webbing and stitching in contrasting colours for easier inspection
- Fully adjustable leg, chest and shoulder straps for a perfect fit
- Qwik-Fit leg straps for easy connection
- Certified to EN 361: 2002

Part No.	Description
10129398	Thermatek harness, small, black, Kevlar/Nomex
10129399	Thermatek harness, medium, black, Kevlar/Nomex
10129400	Thermatek harness, large, black, Kevlar/Nomex





## NEW MSA Energy-absorbing Lanyards

The MSA new range of shock absorbing-lanyards including the versions with a leading edge approval. The lanyards are available in web and kernmantel rope configurations with a variety of connectors

- Certified to EN 355:2002, CNB/P/11.074 (depending on model)



Single-Leg	Twin-Leg	Material	Length	Harness connection	Anchorage connection
10185611 (1)	10185612	Webbing	1.5m	Steel screwgate carabiner	Steel scaffold hook
10185614 (2)	10185615 (3)	Kernmantel rope	1.8m	Steel twist lock carabiner	Alumunium scaffold hook, leading edge
10185616	-	Kernmantel rope	1.8m	Steel twist lock carabiner	Steel twist lock carabiner, leading edge

## NEW MSA Anti-Static Lanyards

This energy absorbing lanyard is designed to offer a perfect solution for working safely at height in a potentially explosive atmosphere. It is made of polyester with 5 conductive threads to achieve the anti-static property.

- 44mm wide anti-static webbing
- Energy absorber is covered by special antistatic tubular sleeve
- Choice of single- or twin-leg configurations
- 20mm aluminium carabiner at one end and 60mm aluminium rebar hook at other end
- Certified to EN 355:2002
- Assessed against **ATEX** requirements: EN ISO 80079-36:2016 and EN ISO 80079-37:2016

Part No.	Description
10180207	Lanyard, anti-static, single leg, 1,8m, EN
10180208	Lanyard, anti-static, twin leg, 1,8m, EN



## MSA Thermatek Lanyard

This specialised 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 354:2010, EN 355:2002

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



# Restraint and Work Positioning Lanyards

## Restraint lanyards

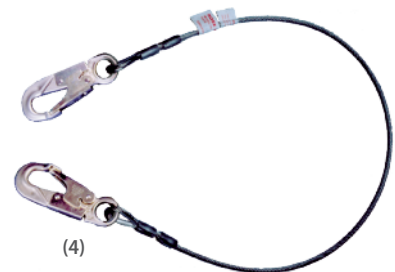
A fall restraint lanyard connection is used between the anchor point and the body harness to prevent the user from reaching the fall area and work positioning (stabilising a worker at an elevated location) applications.

MSA restraint lanyards are available in cable, web and kernmantel rope.

- Certified to EN 358:1999 and EN 354:2010 (depending on model)



Part No.	Description
10185600 (1)	Restraint lanyard, webbing, 1.5m fixed length, steel screwgate carabiners
10185613 (2)	Restraint lanyard, kernmantel rope, 1.8m fixed length, steel twist lock carabiners
10185620 (3)	Work Positioning Lanyard with Aluminium rope-grab adjuster, Alu twist lock carabiners, a 30cm long protective covering sleeve
10102692 (4)	Restraint Lanyard, cable, 1.5 m fixed length, 19 mm snaphooks, 35 mm width



## Rebar Assemblies

Designed for work positioning applications such as tying rebar or constructing concrete forms.

- Certified to EN 358: 1999

Part No.	Description
10102695	Rebar web assembly, 25 mm polyester, 33 cm legs, with sliding large snaphooks



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.



## 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 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



## PointGuard Anchorage Connector Strap

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

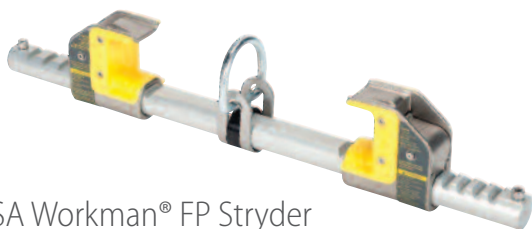
Part No.	Description
10103224	PointGuard anchorage connector strap, 0.9 m with D-ring



## Anchorage Cable Sling

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

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



## MSA Workman® FP Stryder

The Workman FP Stryder is a component of a personal fall arrest system, serving as an anchorage connector to the horizontal I-beam.

- Low-friction wear pads with Teflon® eliminate metal-to-metal contact and allow the FP Stryder anchorage connector to glide effortlessly along the beam flange
- Integral load indicator
- Vernier adjustability allows for a secure fit and ¼" adjustment intervals
- Durable aluminum alloy crossbar on standard version and alloy steel on XL version
- Certified to EN 795:2012

Part No.	Description
10175891	FP Stryder Anchorage Connector, Standard version, fits beam flange widths from 10 to 34 cm, EN
10175892	FP Stryder XL Anchorage Connector, XL version, fits beam flange widths from 35 to 60 cm, EN



## MSA 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

# Self-Retracting Devices



## MSA V-TEC™ 1.8m Mini PFL

The MSA Personal Fall Limiter (PFL) is the most compact and lightweight self-retracting lanyard ever developed in its class using multiple spring radial energy-absorbing technology.

- **Transparent casing allows for easy visual inspection of critical internal components**
- Integral energy absorber requires zero recalibration or adjustment
- The energy absorber is completely sealed from external contaminants.
- A fully rotating attachment point for complete flexibility – both 360° and 180°
- Components manufactured from high-grade stainless steel and engineered plastics
- User capacity up to 140 kg
- Certified to EN360: 2002
- Tested for use on Mobile Elevating Working platforms (Prüfgrundsatz PG -06-07)



## MSA V-SHOCK™ 1.8m Mini PFL

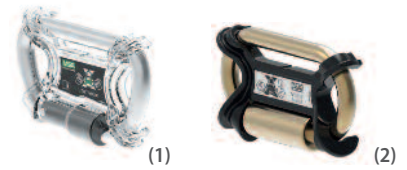
The V-SHOCK Personal Fall Limiter (PFL) is designed to take a beating in the roughest environments and maintains consistent performance under extreme use from one project to the next.

- **Designed with a rubberised armor housing for extremely tough environments**
- 1.8m length - 360 degree fully rotating attachment point for enhanced user mobility
- Available in Single and Twin-Leg options
- 140 kg worker capacity
- Certified to EN360: 2002

Part No.		Anchorage connection	Harness connection
V-TEC 1,8m Mini PFL Single -leg	V-SHOCK 1,8m Mini PFL Single-Leg		
63011-00AEU	64011-00AEU	Aluminium scaffold hook	Steel carabiner
63011-00BEU	64011-00BEU	Steel snaphook	Steel carabiner
63011-00CEU	64011-00CEU	Aluminum swivel carabiner	Steel carabiner
63011-00DEU	-	Aluminum carabiner	Steel carabiner
63011-00EEU	-	Steel swivel hook	Steel carabiner
63011-00FEU	64011-00FEU	Steel scaffold hook	Steel carabiner
63011-00MEU	-	Aluminium scaffold hook	Aluminum triple-lock carabiner
63011-00NEU	-	Triple-lock carabiner	Triple-lock carabiner
63011-00OEU	-	Steel snaphook	Steel scaffold hook
63011-00PEU	-	Aluminum triple-lock carabiner	Aluminium scaffold hook
63011-00SEU	64011-00SEU	Aluminium rebar lightweight hook	Steel carabiner
63011-00TEU	64011-00TEU	Aluminium rebar lightweight hook	Aluminium carabiner triple locking captive pin
63011-00VEU	64011-00VEU	Aluminium snaphook	Aluminium carabiner triple locking captive pin
V-TEC 1,8m Mini PFL Twin-leg	V-SHOCK 1,8m Mini PFL Twin-Leg	Anchorage connection	Harness connection
63111-00AEU	64111-00AEU	Aluminium scaffold hook	TwinLink connector
63111-00BEU	64111-00BEU	Steel snaphook	TwinLink connector
63111-00CEU	64111-00CEU	Aluminum swivel carabiner	TwinLink connector
63111-00DEU	-	Aluminum triple-lock carabiner	TwinLink connector
63111-00EEU	-	Steel swivel hook	TwinLink connector
63111-00FEU	64111-00FEU	Steel scaffold hook	TwinLink connector
63111-00REU	64111-00REU	Aluminium snaphook	TwinLink connector
63111-00SEU	64111-00SEU	Aluminium rebar lightweight hook	TwinLink connector



Part No.	Description
63900-04	V-TEC TwinLink connector (1)
64900-04	V-SHOCK TwinLink connector (2)



## MSA Latchways® 3m PFL

- Self-retracting lifeline with radial energy absorbing technology
- Integral energy absorber requires zero recalibration or adjustment
- The energy absorber is completely sealed from external contaminants.
- A fully rotating attachment point for complete flexibility – both 360° and 180°
- Components manufactured from high-grade stainless steel and engineered plastics
- Transparent casing allows for easy visual inspection of critical internal components
- 3m length with webbing or steel cable
- User capacity up to 141 kg
- Certified to EN 360:2002

Part No.		Description	Anchorage connection	Harness connection
Webbing version	Cable version			
63013-00AEU	–	Latchways 3m PFL, Single Leg	Aluminium scaffold hook	Steel carabiner
63013-00BEU	–		Steel snaphook	Steel carabiner
63013-00CEU	–		Aluminium swivel carabiner	Steel carabiner
63013-00DEU	–		Aluminium carabiner	Steel carabiner
63013-00EEU	63203-00AEU		Steel swivel hook	Steel carabiner
63013-00FEU	–		Steel scaffold hook	Steel carabiner
–	63203-00CEU		Steel swivel hook	–
63013-00MEU	–		Aluminium scaffold hook	Aluminium carabiner
63013-00NEU	–		Aluminium carabiner	Aluminium carabiner
63013-00OEU	–		Steel snaphook	Steel scaffold hook
63013-00PEU	–		Aluminium carabiner	Aluminium scaffold hook
63013-00REU	–		Aluminium snaphook	–
63013-00SEU	–		Aluminium rebar lightweight hook	Steel carabiner
63013-00TEU	–		Aluminium rebar lightweight hook	Aluminium carabiner triple locking captive pin
–	63203-00BEU		Steel swivel scaffold hook	Steel carabiner
–	63203-00DEU		Aluminium rebar lightweight hook	–



## MSA V-TEC™ 6m SRL

With premium components and innovative engineering, the V-TEC self-retractable lanyard (SRL) offers **controlled cable retraction** - preventing excessive speed and protecting internal parts from damage.

- Assured safety - spring radial energy absorbing technology requires zero calibration or adjustment
- Built to last - stainless steel/engineered plastics
- Durable - retraction dampening feature controls the cable speed to <3m/s
- Easy transportation - carry handle included
- Easy inspection - clear outer casing
- Downtime minimised - the cable, energy absorber and retraction dampener can all be replaced on site
- Customisable - galvanised or stainless steel cable
- Certified to EN 360:2002

Part No.	Description
63206-00AEU	6m Cable SRL, galvanised steel
63306-00AEU	6m Cable SRL, stainless steel



# Self-Retracting Devices

## 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: 2002

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



## MSA Latchways® Standard SRLs

- Completely field serviceable
- Frictionless Constant Force® braking mechanism
- Impact resistant housing
- 100% Full Contact™ locking mechanism
- Stainless steel chassis and components
- Available in web and cable
- 140 kg worker capacity
- ATEX assessed to BS EN 13463-1:2001 and EN 13463-5:2003, group II, category 2 (II 2 G c IIC T6)
- Certified to EN 360:2002

Part No.	Description
62007-00UK	7m webbing SRL, double locking snap hook
62210-00UK	10m stainless steel cable SRL, swivel double locking snap hook
62410-00UK	10m galvanised steel cable SRL, swivel double locking snap hook
62215-00UK	15m stainless steel cable SRL, swivel double locking snap hook
62415-00UK	15m galvanised steel cable SRL, swivel double locking snap hook



## MSA Latchways® Leading Edge SRL

- Self-retractable lifeline for horizontal and vertical use
- Designed also for use in applications where falls may occur over a Type A leading edge
- Patented Constant Force® technology to control the load in the event of a fall
- Full Contact™ locking mechanism to assure that the device will not freeze, hang up or corrode
- Thorough protection - incorporates a secondary unique shock pack that assists with energy absorption, in the event of a fall over a Type A edge.
- Premium quality materials with advanced properties for superior resistance to corrosion
- Colour safety - bright yellow toughened case is designed to resist impact damage and to stand out when being used at foot level, to minimise the trip hazard
- The modular design allows for quick and easy recertification ensuring minimal time out of action
- User capacity up to 140 kg
- Certified to BS EN 360:2002, VG11 CNB/P/11.060, edge type A

Part No.	Description
62705-00EU	Latchways Leading Edge SRL, galvanised steel cable, 5m
62707-00EU	Latchways Leading Edge SRL, galvanised steel cable, 7m
62710-00EU	Latchways Leading Edge SRL, galvanised steel cable, 10m



## MSA Latchways® Sealed SRL

The world's first completely field-serviceable sealed SRL. Specifically designed for use within harsh environments such as oil rigs, offshore wind farms and other offshore applications, enabling unhindered hands-free fall protection solutions.

- IP69K ingress protection
- Frictionless Constant Force® braking mechanism
- ATEX assessed
- Impact resistant housing
- 100% Full Contact™ locking mechanism
- Stainless steel chassis and components
- Up to 140 kg worker capacity
- Completely field serviceable
- Certified to BS EN 360:2002
- Assessed to BS EN 13463-1:2001 and EN 13463-5: 2003, group II, category 2 (II 2 G c IIC T6)

Part No.	Description
62810-00UK	Latchways Sealed SRL, 9m, stainless steel cable
62816-00UK	Latchways Sealed SRL, 15m, stainless steel cable
62826-00UK	Latchways Sealed SRL, 25m, stainless steel cable
62841-00UK	Latchways Sealed SRL, 40m, stainless steel cable



## MSA Latchways® Retrieval SRL

The Retrieval SRL has two modes of operation: self-retracting lifeline for normal use and retrieval for rescue. In the case of a fall onto the Retrieval SRL, the integral retrieval can be used to lift the casualty to a safe position for rescue.

- Completely field serviceable
- Dust- and water-resistant, IP58
- Frictionless Constant Force® braking mechanism
- ATEX assessed
- Impact resistant housing
- 100% Full Contact™ locking mechanism
- Stainless steel chassis and components
- Up to 140 kg worker capacity
- Certified to EN 360:2002, EN 1496:2006, class B

Part No.	Description
62820-00UK	Latchways Sealed SRL with Emergency Retrieval, 15 m stainless steel cable



# Confined Space **Products**

## 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: 2012

Part No.	Description
10116521	MSA Workman Tripod
10129891	Replacement leg strap
10129888	Steel carabiner
506222	Pulley assembly
10169369	Carrying bag for Workman tripod



## MSA Workman® Winch

The rugged MSA Workman Winch has been designed for lifting, lowering, and positioning of personnel and materials. Furthermore it allows for non-entry rescue of a confined space entrant.

- Tripod pin connection fits directly onto the MSA Workman Tripod
- No additional bracket or tools for set-up required
- Level wind mechanism keeps cable evenly spooled on hub
- Built-in clutch prevents injury if worker becomes snagged
- Double braking system provides secondary protection
- Built-in energy absorber keeps forces below 6 kN
- RFID chip allows easy tracking of the device
- Integral, ergonomic carrying grip and unique, foldable handle for simple storage
- Certified to Machinery Directive 2006/42/EC, testing based on EN ISO 12100:2010, EN 1496:2006 Class B

Part No.			Description
Stainless-steel cable	Galvanized cable	Synthetic rope	
10147566	10153828	–	MSA Workman Winch, 10 m
10147567	10153829	–	MSA Workman Winch, 15 m
10147296	10153830	10148278	MSA Workman Winch, 20 m
10154687	10154689	–	MSA Workman Winch, 25 m
10154688	10154690	–	MSA Workman Winch, 30 m





## MSA Workman® Rescuer

MSA's Workman Rescuer provides fast, easy and intuitive fall protection with integral bidirectional retrieval capability. Not only does the Workman Rescuer stop a fall, its retrieval capability allows the user to ascend or descend to a safe location.

This durable, economical addition to the Workman Series of products offers fast installation and setup, ideal for applications where time and ease of use are a priority.

- Galvanized or stainless steel 5 mm wire rope
- Integral mounting bracket
- Colour-coded switch for retrieval mechanism activation
- Built-in shock absorber
- Robust aluminium housing with thermoplastic bumpers
- Ergonomic, stainless steel carrying handle can also be used as anchorage connection point
- Self-locking swivel snaphook with load indicator
- Stowable, foldable crank handle
- RFID-enabled
- Certified to EN 360:2002, EN 1496:2006 Class B

Part No.	Description
10158192	MSA Workman Rescuer, stainless steel cable, 15 m



## MSA Workman® Spreader Bar

The MSA Workman Spreader Bar is used in conjunction with the V-Series harnesses 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 EN354:2010

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



## D-Ring Extender

The D-Ring Extender allows easier access to the dorsal D-ring without any external help.

- 0,6m D-ring extension with a webbing loop at one end, steel D-ring at other end
- Abrasion resistant polyester webbing
- Certified to EN 354:2010

Part No.	Description
10180209	D-Ring Extender, EN



## 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
10129892	Bosun Chair, with metal seat



## Carabiners

MSA carabiners have a minimum breaking strength of 22.24 kN. They are certified to EN 362: 2004.

Part No.	Description
10144125	Steel screwgate carabiner, 17 mm gate
10080675	Steel autolock carabiner, 22 mm gate
10080676	Steel autolock carabiner, 52 mm gate
10157585	Steel triple lock carabiner, 25 mm gate
10144126	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



## 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



## MSA Latchways Personal Rescue Device® (PRD®)

The lightweight, unobtrusive MSA Latchways PRD® is a patented integrated safety harness system for self-rescue.

- Dramatically reduces rescue time
- 20 m descent height
- Up to 140 kg worker capacity
- Descent speed: 0.5 – 2 m per second
- Approvals:
- Harness (depending on model) EN 361, EN 358
- Descender device EN 341: 2011 Type 1, Class D
- Successful assessment against EN 13463-1:2009 and EN 13463-5:2003 under ATEX category Ex II 2 G c IIC T3 for PRD with RH2 and RH3 harnesses

Description	Small	Medium	Large	Extra Large
Personal Rescue Device with Workman Premier harness, Qwik-fit leg straps	68215-00S	68215-00M	68215-00L	–
Personal Rescue Device with Workman Premier harness, Bayonet leg straps	68216-00S	68216-00M	68216-00L	–
Personal Rescue Device with Workman Utility harness, Bayonet leg straps	68217-00S	68217-00M	68217-00L	–
Personal Rescue Device (RH2 Model)	68202-00S	–	68202-00L	68202-00XL
Personal Rescue Device (RH3 Model)	68203-00S	–	68203-00L	68203-00XL
Rescue Pole	68099-00	–	–	–



## Anthron Descent Device System

The Anthron DSD Plus is a manually operated descent device. It is used for suspended work positioning, self evacuation, or rescue operations.

- Rope roping/rigging diagrams are clearly indicated on the descender
- The descender can be installed/removed at any point on rope
- Certified to EN 341: 2011

Part No.	Description
10161345	Descender Anthron Kit consisting of Anthron DSD Plus device, 20 m of 11 mm polyamide rope, bag, without carabiner





## Rope grab Easy Move with lifeline

The Easy Move device with lifeline is used to provide temporary fall protection on ladders or when climbing. 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.

- All-in-one fall arrester: rope adjuster and a guided type fall arrester
- Light weight and compact for comfortable use and easy carrying
- Developed to grip on dirty or icy ropes
- Certified to EN 353-2:2002, EN 358:1999, EN 12841:2006

Part No.	Description
10164578	Rope grab Easy Move, Kit including 15 m, 11 mm rope (without carabiner), in the bag
10164579	Rope grab Easy Move, Kit including 20 m, 11 mm rope (without carabiner), in the bag
10164580	Rope grab Easy Move, Kit including 25 m, 11 mm rope (without carabiner), in the bag
10164611	Rope grab Easy Move, Kit including 30 m, 11 mm rope (without carabiner), in the bag
10169160	Bag, Lifeline kits



## MSA Gravity Sure-Line Horizontal Lifeline

The Gravity Sure-Line is a temporary synthetic horizontal lifeline for quick, easy installation at temporary work sites. It is suspended between two approved anchor points to provide the worker fall protection during horizontal movement.

- Unique bypass shuttles enabling two workers to share a line and pass each other while maintaining 100% tie-off
- Certified to EN 795:1996

Part No.	Description
10119692	Gravity Sure-Line Horizontal Lifeline, 10.7 m including carabiners, anchorage cable slings 1.8 m, bag
10110164	Gravity Sure-Line Horizontal Lifeline, 18 m including carabiners, anchorage cable slings 1.8 m, bag



# MSA Latchways® Engineered Lifelines

*In addition to MSA Safety's leading Personal Protective Equipment and temporary lifelines, MSA is also the manufacturer of the innovative Latchways® engineered lifeline systems; with solutions for horizontal, vertical and overhead applications, we've got you covered.*

**For full information on our range of world leading engineered systems, please visit [www.latchways.com](http://www.latchways.com) or ask a representative for a copy of our catalogue!**



## Roofing Solutions – Latchways Constant Force® Post

Latchways horizontal lifelines are known worldwide for their versatility and ease of use, making them the ideal choice for protecting workers as they go about day-to-day activities like maintenance, cleaning, inspection and more. Easily customised for virtually any structure or unique requirement, MSA precisely engineered horizontal systems are built to work in all areas of industry, construction and maintenance. Installations include retail outlets, stadiums, transmission towers and industrial complexes—not to mention famous sites like New York's Grand Central Station, the Hong Kong Airport, and the Eden Project in the UK, home to the world's largest indoor rainforest. Committed to bringing you the best in quality, versatility and satisfaction, MSA continues to work closely with major roofing manufacturers to produce a full range of fall protection systems for all designs and types of roofs.

## Industrial Solutions – Latchways® Overhead Systems

With Latchways overhead systems, all you have to do is look up and you'll find a greater sense of security and confidence. Combining MSA's unique knowledge of fall protection with innovative Constant Force technology, our overhead systems deliver maximum accessibility and hands-free mobility—not to mention ease of use and simple installation. The Latchways range of overhead systems house Constant Force technology in an in-line energy absorber, so if a worker connected to the system should fall, the Constant Force energy absorber controls the load back to the structure. Simply put, it's a smartly designed system precisely engineered to react lightning quick. Ideal for industrial environments and in applications such as warehouses, loading bays and airplane hangars, Latchways overhead system is heads above when it comes to fall protection safety.





## Ladders, Telecom and Transmission Towers – Latchways® Vertical Systems

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Anywhere in the world, wherever there's a call for telecoms, masts, rooftops or any at-height work space—you are likely to find a Latchways vertical cable-based fall protection system. All you have to do is scan the horizon. Featuring our brilliantly engineered TowerLatch and LadderLatch systems, the Latchways system options offer outstanding personal safety for those working at height, particularly in the telecom and wind energy industries. Both TowerLatch and LadderLatch emphasize inherent flexibility, meaning they can be configured for a wide variety of applications, including ladders, towers, masts, monopoles and other structures specific to these industries.

# MSA – The Safety Company

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*Our business is safety. We've been the world's leading manufacturer of high-quality safety products since 1914. MSA products may be simple to use and maintain, but they're also highly-sophisticated devices and protective gear – the result of countless R&D hours, relentless testing and an unwavering commitment to quality that saves lives and protects thousands of men and women each and every day. Many of our most popular products integrate multiple combinations of electronics, mechanical systems and advanced materials to help ensure that users around the world remain protected in even the most hazardous of situations.*

## Our Mission

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MSA's mission is to see to it that men and women may work in safety and that they, their families and their communities may live in health throughout the world.

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

### Your direct contact



**Great Britain**  
Hopton Park, Devizes  
Wiltshire, SN10 2JP  
United Kingdom  
Phone +44 (0)800 066 2222  
info.gb@MSAsafety.com



For contact details of your local MSA affiliate, please visit our website.