

Honeywell

THE POWER OF **CONNECTED**

FALL PROTECTION - META

Limitless Possibilities. Ask the Expert.



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FALL PROTECTION WITH MILLER

Committed to meeting your fall protection needs with innovative industrial safety products and services, Honeywell Miller has been incessantly working towards its goal of being your comprehensive safety solution provider. For over 65 years, Miller® safety products have been protecting workers at height worldwide. From construction, oil, and gas, to telecommunications, mining, and utilities, Honeywell Miller solutions are technologically advanced and easy to work with and provide reliable safety for all needs, applications, and environments.

In our strive to provide the ultimate in safety performance equipment, all Honeywell Miller products are designed in our state-of-the-art facility by qualified engineers in collaboration with workers to custom-fit their

needs. Products then undergo stringent safety tests, including third-party examinations by independent sources, to certify compliance. The result is an extensive range of innovative, user-friendly safety solutions and professional services that offer you optimal protection against all types of work-related fall hazards. From full-body harness body wear, connecting devices, anchorage connectors, ladder climbing systems, confined space and rescue devices to professional fall prevention and protection training, and customized solutions – we give you unwavering assurance of consistent quality in all our products and services. Through Miller safety solution, Honeywell Industrial Safety provides reliable support for safety needs of any project that involves working at height.







FALL PROTECTION STANDARDS

EN 12841/C	Rope Access Systems: Back-up devices
EN 341	Descenders
EN 353-1	Guided Type Fall Arresters Rigid Anchorage Line and Rails
EN 353-2	Guided Type Fall Arresters Flexible Anchorage Line
EN 354	Lanyards
EN 355	Shock Absorbers
EN 358	Work Positioning Systems
EN 360	Retractable Type Fall Arresters
EN 361	Full Body Harness
EN 362	Connectors
EN 795(b)	Anchorage Devices – Class B
EN 813	Sit Harness
EN 363	Fall Arrest Systems

Harness Type	European Standard	Work Restraint	Work Positioning	Fall Arrest	Work in Suspension	To Rescue
Work Positioning Belt	EN 358	OK	OK	-	-	-
Full Body Harness	EN 361	OK	-	OK	-	-
Full Body Harness	EN 361 / EN 358	OK	OK	OK	-	OK
Multifunction Full Body Harness	EN 358 / EN 813 EN 361	OK	OK	OK	OK	OK

WORKING AT HEIGHT CATEGORIES

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

FALL ARREST

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

Typical Fall Arrest System consists of:

- Anchor devices.
- Full body harness.
- Connecting devices.

RESCUE

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

Typical Rescue System consists of:

- Rescue & evacuation device.

WORK POSITIONING*

Equipment holding an operator in their place of work, allowing a hands free work environment.

Typical Work Positioning System consists of:

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

WORK IN SUSPENSION*

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

Typical Suspension System consists of:

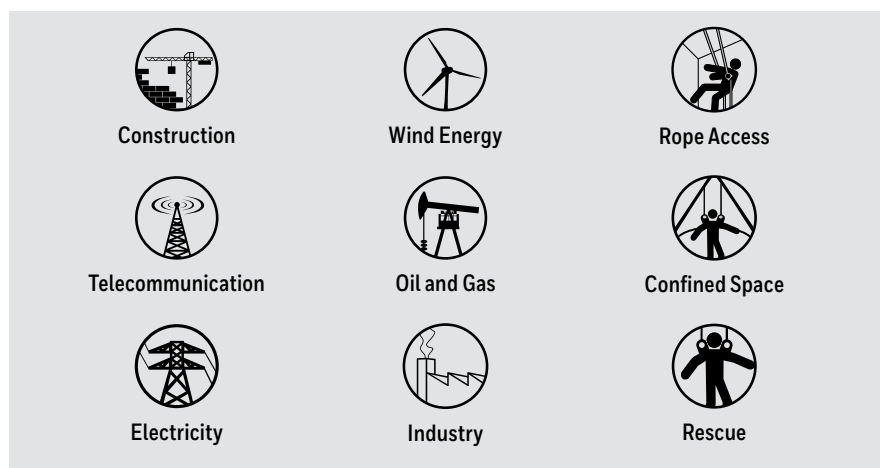
- Anchor devices.
- Full body harness.
- 2 ropes: 1 equipped with a descender, 1 equipped with a rope grab.

WORK RESTRAINT

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

Typical Work Restraint System consists of:

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



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



THE ABC'S

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

A ANCHOR DEVICES

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

Anchor devices may be one of the 2 types:

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

B FULL BODY HARNESS

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

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

C CONNECTING DEVICES

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

Connecting devices may be one of the 2 types:

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



LIFE CYCLE OF FALL PROTECTION EQUIPMENT

Please consult for detailed information the dedicated product user manual.

A. For our products made of mainly textiles (harnesses, lanyards, SRL with webbing¹)

The maximum life cycle is ten years from the date of production except in cases where environmental factors² and special conditions of use³ for fall protection equipment apply. An annual inspection done by a competent person⁴ (trained for PPE inspections) is mandatory.

B. For our products made up mainly of metal (cable srl, karabiners)

We do not indicate a life cycle for our products made up mainly of metal. It is unlimited, under condition the product undergoes regular maintenance during the yearly inspection carried out by a competent person. In case of doubt or damage, the device has to be sent for expert inspection/repair at a local Honeywell Service Centre or the factory. For products not subject to maintenance (non workable), the life cycle is a maximum of ten years^{2,3}.

1. **Except for Miller Falcon 6m webbing and Scorpion Edge:** Replacement of the webbing kit is every 5 years from date of manufacture.
2. **Contact with chemical products,** poor storage conditions, exposure to strong sources of heat (> 50°C), to ultraviolet (UV) radiation, harsh abrasion, etc...
3. **Product deterioration,** activation due to a fall, mechanical fault, premature wearing, intensity of use. In all cases, our products must be inspected once a year.
4. **A person who has successfully completed an inspection course** and who currently holds a valid inspection certificate.

In all cases, our products must be checked once a year.

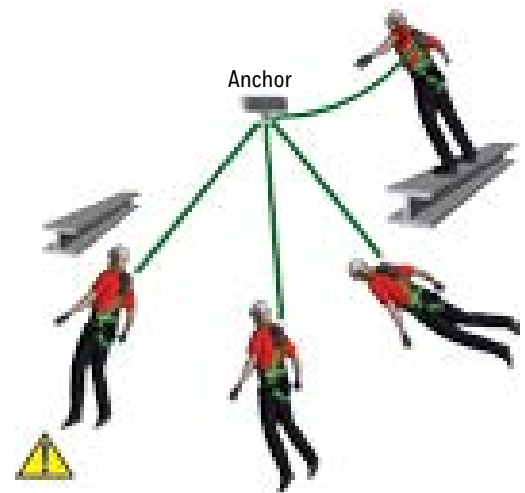


GETTING TO GRIPS WITH THE WORK HAZARDS!

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

The Pendulum Effect

When the lifeline is not anchored vertically over the work place, the worker will pendulum in the event of a fall and may be injured by hitting the ground or an obstacle to the side. 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.



Fall Clearance Calculations

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

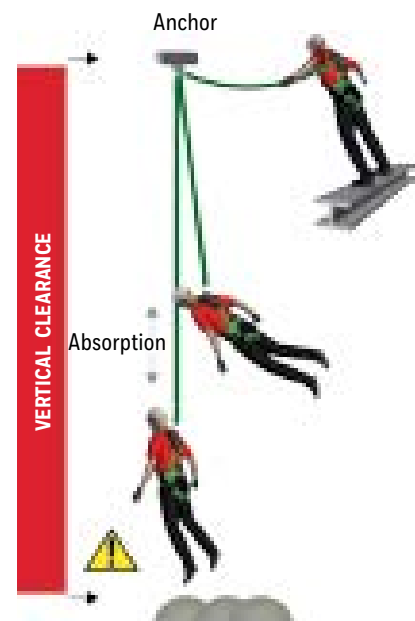
The calculation below gives the minimum vertical clearance required between the anchorage point of the lanyard and the lower level.

Length of lanyard
 + **Fully activated energy absorber**
 + **Body height from feet to harness attachment**
 + **Additional safety clearance**

Examples :

Calculations using the following length lanyards are as follows:

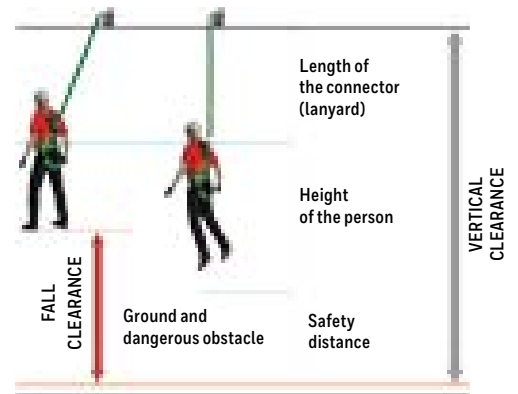
- 2m lanyard: $2\text{m (lanyard length)} + 1.75\text{m (energy absorber)} + 2\text{m (body height)} + 1\text{m safety} = 6.75\text{m}$
- 1.5m lanyard: $1.5\text{m (lanyard length)} + 1.5\text{m (energy absorber)} + 2\text{m (body height)} + 1\text{m safety} = 6\text{m}$





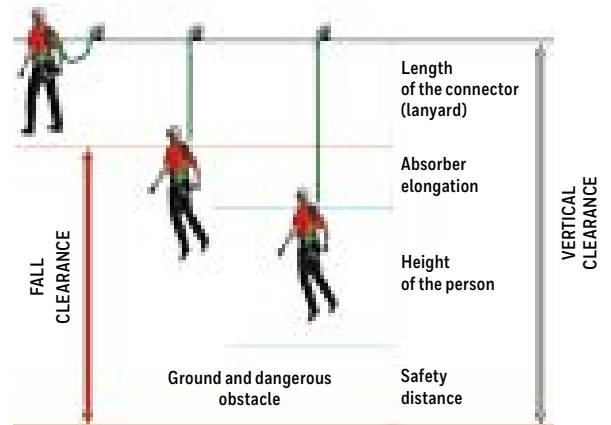
Fall Factor 0

Anchorage is overhead and the lanyard is taut between the anchorage point and the worker. The fall clearance is reduced as shown.



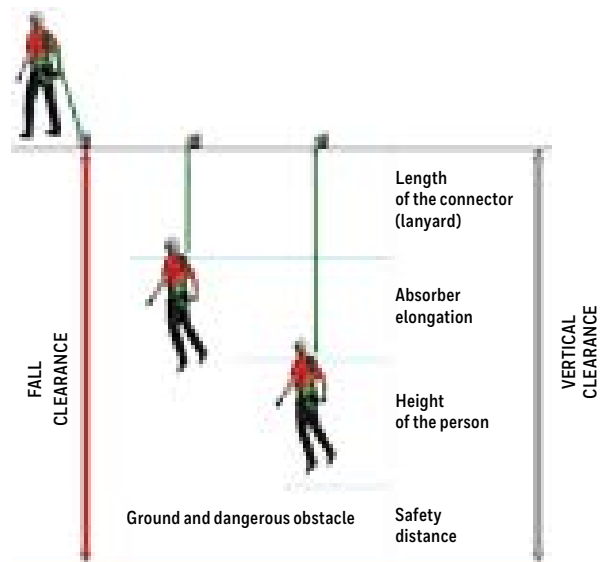
Fall Factor 1

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



Fall Factor 2

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



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

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



Harnesses

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ADJUSTMENT BUCKLES

Mating Buckle

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



Quick-Connect Buckle

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



Cam Buckle

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



WEBBING

DualTech™ Webbing

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

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



DuraFlex® Webbing

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



ATTACHMENT POINTS

How to determine an attachment point ?

- 1 point = dorsal attachment
- 2 point = dorsal and sternal attachment
- 3 point = dorsal, sternal and ventral attachment
- + work positioning = 2 side attachment points

2 Side Attachment Points

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



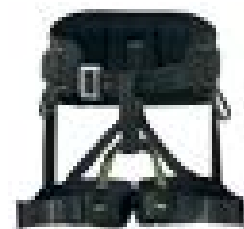
Front D-Rings and Front attachment Loops

Used for a comfortable fall arrest attachment point. Used for a variety of confined space, rescue, climbing.



Belt, Leg & Seat strap

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





Fall Protection is about protecting people who are working at height. Falls from height are the second most common cause of accidents in the work place and cost significant amounts every year to employers. The purpose of a fall arrest system is to safely stop a fall from height and to hold the worker until he can be recovered. A full body harness that conforms to EN 361 is the form of body wear used in fall arrest applications.

Miller Revolution™ Comfort R2



Quick fitting harness with 8 unique innovations

2 point - Dorsal D-ring and front attachment loops

FEATURES & BENEFITS

Benefits: Conforms to users movements

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

Features: Turning point in design

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



Ref.	Description	Size
10 142 36	DuraFlex® stretch webbing	S/M
10 142 37	DuraFlex® stretch webbing	L/XL
10 142 38	DuraFlex® stretch webbing	XXL**

Conforms to EN 361

Ref.	Description	Size
10 142 39	DualTech webbing	S/M
10 142 40	DualTech webbing	L/XL
10 142 41	DualTech webbing	XXL**

*Available in Dualtech webbing

**Made on demand

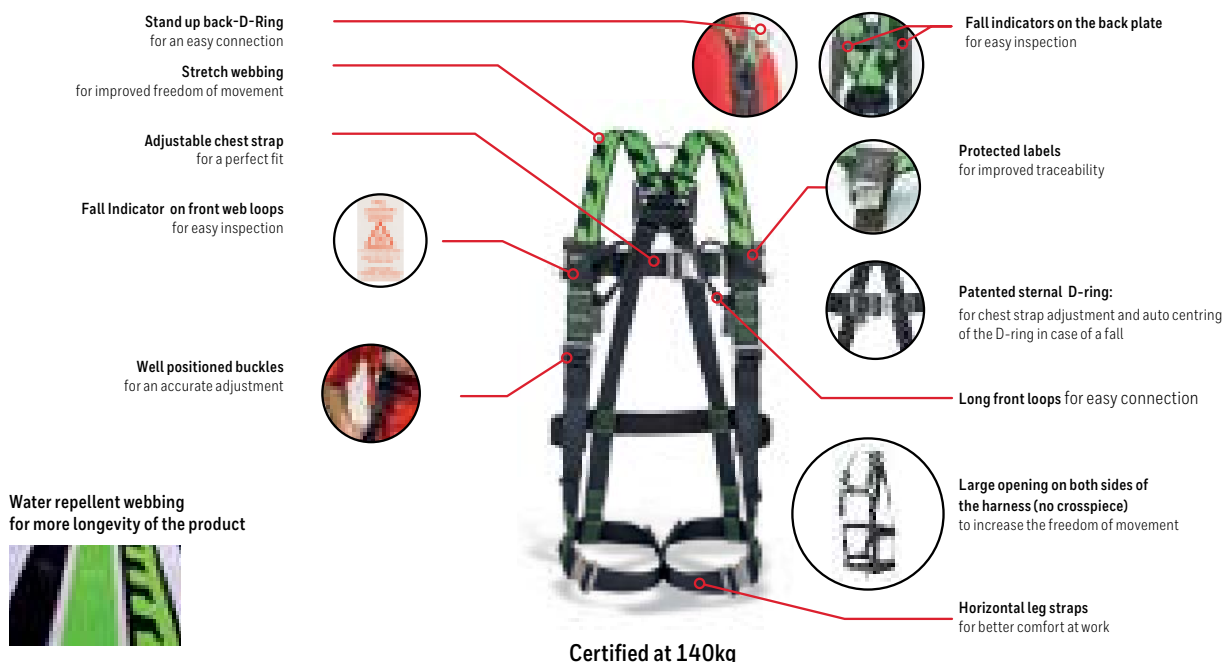
MILLER H-DESIGN® HARNESS

NEW



A new feeling of safety at height - the H-Design harness is available with either DuraFlex stretch webbing or standard webbing.

Exclusive and innovative H-shaped harness structure





MILLER H-DESIGN® HARNESS

FEATURES & BENEFITS

Benefits:

- Freedom of movement.
- Greater comfort.
- Easy to put on and quick to connect.
- More safety: avoids the worker to tilt sideways.
- Easy inspection.
- Better traceability.
- Greater durability.

Features:

- Exclusive and innovative harness structure in 'H':
 - Ergonomically placed webbing.
 - Horizontal leg straps.
- Unique top-down front adjustment.
- Adjustable chest strap.
- Accessible back D-ring due to its bended position.
- Unique patented sternal D-ring with automatic centering in case of a fall.
- Highly visible stitches.
- Front and back fall indicators.
- 10 year inspection chart & user name label.
- Protected webbing: water repellent and stain free.

MILLER H-DESIGN®
HARNESS
ACCESSORIES
SEE P 338-339



SIZE SELECTION GUIDE

Weight

Weight	Height										
140	ON REQUEST										
130											
120											
110											
100	ON REQUEST										
90											
80											
70											
60	ON REQUEST										
50											
40											
	150	155	160	165	170	175	180	185	190	195	200

Images are for guidance only.

Height

Ref.	Name	Type of shoulder webbing	Nb of attachment points	Type of buckles	Type of front attachment	Size	
10 328 55	MillerH-Design®	DuraFlex stretch	1	Mating	-	1	
10 328 56						2	
10 328 57						3	
10 328 59				1			
10 328 60				2			
10 328 61				3			
10 328 63			2	Mating	2 webbing loops	1	
10 328 64						2	
10 328 65						3	
10 328 71						Automatic	1
10 328 72							2
10 328 73							3
10 328 67		Mating		1 D-ring	1		
10 328 68					2		
10 328 69					3		
10 328 75					Automatic	1	
10 328 76						2	
10 328 77		3					

Conforms to EN 361

Ref.	Name	Type of shoulder webbing	Nb of attachment points	Type of buckles	Type of front attachment	Size
10 328 31	Miller H-Design®	Non stretch	1	Mating	-	1
10 328 32						2
10 328 33						3
10 328 35				Automatic		1
10 328 36						2
10 328 37						3
10 328 39			2	Mating	2 webbing loops	1
10 328 40						2
10 328 41						3
10 328 47				Automatic		1
10 328 48						2
10 328 49						3
10 328 43				1 D-ring	Mating	1
10 328 44						2
10 328 45						3
10 328 51					Automatic	1
10 328 52						2
10 328 53						3



MILLER H-DESIGN® HI-VIS VEST

Miller H-Design Hi-Vis Vest is a comfortable lightweight high visibility vest specifically developed for use with the Miller H-Design harness, to be visible from a distance and in dark environments.

FEATURES & BENEFITS

Benefits:

- More safety.
- Better traceability.
- Perfect fit.
- Easy adjustment.
- More flexibility.



Features:

- Workers can be seen from a distance and in dark environments due to high visibility textile (yellow or orange) and reflective tapes, both conforming to EN ISO 20471:2013 Class 2.
- The vest is designed with five pockets for safe transport of tools and accessories.
- Card holder for user name enables traceability.
- Side zippers with double cursors give a perfect fit to any body shape and the best adjustment to summer and winter clothing.
- Two front slits and one back slit for use with any attachment (D-rings/loops) optimises fitting to all Miller H-Design harnesses
- Vest with lining.
- One big inner zipper enables complete opening of vest lining to insert and adjust the harness.
- Easily removable vest to replace if damaged or wash if dirty.



Side zippers with double cursors



2 front slits and 1 back slit for attachment

MILLER H-DESIGN HI-VIS VEST



Ref.	Size
10 328 95	1-2
10 328 96	2-3



Ref.	Size
10 328 97	1-2
10 328 98	2-3

Certified to the requirements of the EN ISO 20471: 2013 Class 2 and EN ISO 13688: 2013.

MILLER H-DESIGN HARNESS WITH HI-VIS VEST*

Ref.	Hi-vis vest colour	Type of shoulder webbing	Nb of attachment points	Type of buckles	Type of front attachment	Size
10 328 55		DuraFlex stretch	2	Automatic	2 webbing loops	1
10 328 56						2
10 328 57						3
10 328 59					D-ring	1
10 328 60						2
10 328 61						3
10 328 63		DuraFlex stretch	2	Automatic	2 webbing loops	1
10 328 64						2
10 328 65						3
10 328 71					D-ring	1
10 328 72						2
10 328 73						3

*also available mounted on other Miller H-Design harnesses – contact your local Miller sales representative



One big inner zipper





MILLER H-DESIGN® QUICK-FIT VEST NEW

Miller H-Design® quick-fit vest is a new lightweight vest specifically developed to allow Miller H-Design harnesses to be put on even easier and quicker.

FEATURES & BENEFITS

Benefits:

- More comfort.
- Easy to put on, to replace if damaged or to remove and wash if dirty.
- Better fit to all body shapes.

Features:

- Semi-rigid textile facilitates the putting on of the harness and prevents harness webbing from twisting.
- Breathable textile prevents perspiration.
- One-size-fits-all vest with quick-clip system.
- Stretch webbing on each side provides freedom of movement.



MILLER H-DESIGN QUICK-FIT VEST



Ref.

10 328 80

MILLER H-DESIGN HARNESS WITH QUICK-FIT VEST*



Ref.	Type of shoulder webbing	Nb of attachment points	Type of buckles	Type of front attachment	Size
10 328 55	DuraFlex stretch	2	Automatic	2 webbing loops	1
10 328 56					2
10 328 57					3
10 328 59				1 D-ring	1
10 328 60					2
10 328 61					3

*also available mounted on other Miller H-Design harnesses – contact your local Miller sales representative

MILLER H-DESIGN® CONFINED SPACE HARNESS NEW



FEATURES & BENEFITS

Benefits:

- Quick assess for more safety.
- Comfort and freedom of movement.
- Better flexibility.

Features:

- Smooth sliding of self-rescuer mask along the belt (from back to front and reverse).
- Soft and flexible padded belt adjustable in height.
- Compatible with major self-rescuer masks on the market.
- Belt available in 2 sizes fitting to any bodyshape.

Miller H-Design® 'confined space' harnesses including belt, DuraFlex webbing, automatic buckles and 2 sternal loops

Ref.	Harness size	Belt size
10 338 60	1	S/M
10 338 61	2	L/XL
10 338 62	3	L/XL

Conforms to EN 361: 2002 – 140kg certified

Miller H-Design® 'confined space' belt

Ref.	Belt size
10 335 61	S/M
10 335 62	L/XL



Ref. 10 338 60 / 10 338 61 / 10 338 62



KEVLAR®*



Ideal solution for welding, firefighting. 1 point - Rear attachment D-ring.

FEATURES & BENEFITS

Benefits: Strength and high temperature resistance

- Nomex®* webbing protects against weld spatter and sparks.
- Contrasting colours which facilitate inspection.
- Maximum temperature: 177°C.

Features: Exceptional heat and fire resistance

- Blue Nomex® flame-retardant webbing.
- Yellow Kevlar® inner core.
- Sub-pelvic strap.
- Adjustable leg straps.
- Manual chest and leg buckles.
- Clips on shoulder straps for lanyard when not in use.

Ref.	Description	Size
10 123 33	751K Single adjustment	S/M
10 123 34	751K Single adjustment	L/XL
10 123 35	751K Single adjustment	XXL

Ref.	Description	Size
10 123 36	650K Adjustable shoulder	S/M
10 123 37	650K Adjustable shoulder	L/XL
10 123 38	650K Adjustable shoulder	XXL

The Kevlar harness conform to EN 361(2002), Ansi, Osha

*KEVLAR and Nomex are registered trademarks of e. i. Du Pont de Nemours and company.



ATEX ANTISTATICAR



The solution for work at height in explosive atmospheres.

2 point - Dorsal attachment (webbing extension and loop) and sternal (with webbing loops).

FEATURES & BENEFITS

Benefits:

- Prevents the risks of ignition caused by electrostatic discharge.
- Dorsal extension strap facilitates connection.
- Detachable dorsal pad facilitates harness donning.

Features: Increase Security

- Anti-static material.
- Sub-pelvic strap.
- Protective back pad.
- Adjustable shoulder straps.
- Adjustable leg straps with quick-connect buckles.

Ref.	Size
10 150 74	S/M
10 150 75	L/XL
10 305 10	XXL

Certified and complies with EN 361 (2002) and EN ATEX 13463-1 (2001)

Additional ATEX solutions available on demand.



TITAN™



FEATURES & BENEFITS

Benefits:

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

Features:

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

Ref.	Size	Description
10 118 91	Unique	2 point - Front webbing loops and rear attachment
10 118 90	Unique	1 point - Rear attachment.

Conforms to EN 361



Ref. 10 118 91

Ref. 10 118 90



MILLER REVOLUTION™ R7 OFFS



Designed for highly corrosive offshore and coastal environments including wind energy and petrochemical industries.

2 point + work positioning - Front and rear attachment (front webbing loops) and work positioning side D-rings.

FEATURES & BENEFITS

Benefits: High corrosion resistance and reinforced harness

- Protection with PVC coating on back and sides D-rings.
- Fall indicator at dorsal D pad.
- Stand up D function for easy connection
- Stitched A security marking for attachment at back and chest points.
- Foldable side D-rings.
- Additional elastic keepers on shoulder strap.
- Longer stitching on the belt pad for greater strength.
- Custom identification labels on back housing.
- Back Pad with V shape.
- Self contained label pack.

Features: High resistant components

- 316 L Stainless steel PivotLink™.
- DualTech™ polyamide/polyester webbing.
- ErgoArmor™ padded back shield.
- Positioning belt.
- Quick-connect buckles on leg straps, belt & chest strap in anodized aluminium.

Ref.	Size
10 148 07/OFFS	S/M
10 148 08/OFFS	L/XL
10 148 09/OFFS	XXL

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

Miller Revolution™ and H-Design® harness accessories
SEE P 338-339



PVC coating

Pivotlink

Quick connect buckles

MILLER REVOLUTION™ R7 WIND



Ideal for work at height on onshore wind energy applications.

2 point + work positioning - Front and rear attachment (front webbing loops) and work positioning side D-rings.

FEATURES & BENEFITS

Benefits: High safety and comfort level

- Fall indicator at dorsal D pad.
- Stand up D function for easy connection.
- Stitched safety labels identify the front and rear anchorage points.
- Longer stitching on the belt pad for greater strength.
- Back pad with 'V' shape.
- Additional elastic keepers on shoulder strap.
- Custom identification labels on back housing.
- Self contained label pack.

Features: Comfort and durability

- Galvanised steel Pivot Link™.
- Polyester webbing.
- Shoulder strap adjustment with mating buckle.
- Chest strap mating buckle.
- Automatic steel quick connect buckle on leg and waist straps.
- Positioning belt.
- ErgoArmor™ padded back shield
- Back tool rings.

Ref.	Size
10 148 07/WIND	S/M
10 148 08/WIND	L/XL
10 148 09/WIND	XXL

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

Pivotlink



A work positioning systems is designed to hold a worker in a secure, hands-free working position and is used in conjunction with a fall protection system. A fall can occur while working and this is why a work positioning system is a combination of the fall arrest harnesses that complies with EN 361 together with a work positioning system to EN 358.

Miller Revolution™ and H-Design® harness accessories
SEE P 338-339



MILLER REVOLUTION™ R6



Smoother movement when ascending or descending.

3 point + work positioning - Dorsal and ventral D-rings, front attachment loops and work positioning belt

Ref.	Description	Size
10 142 57	DuraFlex® webbing	S/M
10 142 58	DuraFlex® webbing	L/XL
10 142 59	DuraFlex® webbing	XXL**

Ref.	Description	Size
10 142 60	DualTech™ webbing	S/M
10 142 61	DualTech™ webbing	L/XL
10 142 62	DualTech™ webbing	XXL**



MILLER REVOLUTION™ PREMIUM R5



Smoother movement when ascending or descending.

2 point + work positioning - Dorsal D-ring front attachment loops and work positioning belt.

Rotating work positioning belt for hands free.

Ref.	Description	Size
10 142 51	DuraFlex® webbing	S/M
10 142 52	DuraFlex® webbing	L/XL
10 142 53	DuraFlex® webbing	XXL**

Ref.	Description	Size
10 142 54	DualTech™ webbing	S/M
10 142 55	DualTech™ webbing	L/XL
10 142 56	DualTech™ webbing	XXL**



Hip level:
for ascending
and descending



PivotLink

MILLER REVOLUTION™ PREMIUM R3



Ergonomic fit when bending or crouching.

2 point + work positioning

Dorsal D-ring front attachment loops and work positioning belt.

Fixed work positioning belt.

Ref.	Description	Size
10 142 42	DualTech webbing	S/M
10 142 43	DualTech webbing	L/XL
10 142 44	DualTech webbing	XXL**



Waist level:
for bending
or crouching



COMMON FEATURES & BENEFITS

Benefits: Stretch to users movements

- Rotating PivotLink™ connections at hip level.
- Easy movement for ascent and descent.
- Full freedom of movement.
- Custom identification labels.

Features: Reduce user fatigue

- Elasticated DuraFlex® webbing* stretches to users movements.
- ErgoArmor™ padded back shield.
- Shoulder CAM buckles for easy fit.
- Quick Connect Buckles at legs, belt & chest.
- Web finials to store spare webbing.
- Self-contained label pack.
- Integrated accessories system.
- Dualtech™ webbing with shape retention memory.

Conforms to EN 361 and EN 358

**Made on demand



New harness range dedicated to the utilities sector.

MILLER H-DESIGN® BODYFIT HARNESS

NEW



FEATURES & BENEFITS

Benefits:

- Perfect fit to all body shapes.
- Greater comfort.

Features:

- Rotating and unique patented vertically adjustable belt.
- Belt with breathable padding.

MILLER H-DESIGN® BODYFIX HARNESS

NEW



FEATURES & BENEFITS

Benefits:

- Improved freedom of movement.

Features:

- Comfortable waist belt with breathable padding.



Miller H-Design® BodyFit



Miller H-Design® BodyFix



See page 324 for other Miller H-Design® Features and Benefits

Size Selection Guide

WEIGHT												
140	<div>ON REQUEST</div>											
130												
120												
110												
100	<div>ON REQUEST</div>											
90												
80												
70												
60	<div>ON REQUEST</div>			<div>SIZE 1</div>			<div>SIZE 2</div>			<div>SIZE 3</div>		
50												
40												
	150	155	160	165	170	175	180	185	190	195	200	WEIGHT



	SIZE 1	SIZE 2	SIZE 3
Waist size (W)	80 cm 100 cm	100 cm 120 cm	120 cm 140 cm
Thigh size (T)	Max 75 cm	Max 80 cm	Max 85 cm

MILLER H-DESIGN® BODYFIT HARNESS

Ref.	Name	Type of shoulder webbing	Nb of attachment points	Type of buckles	Type of front attachment	Size
10 335 28	Miller H-Design® BODYFIT	DuraFlex stretch	2	Mating	2 webbing loops	1
10 335 29						2
10 335 30						3
10 325 32					1 D-ring	1
10 335 33						2
10 335 34						3
10 335 36				Automatic	2 webbing loops	1
10 335 37						2
10 335 38						3
10 335 40					1 D-ring	1
10 335 41						2
10 335 42						3

Conforms to EN 361 and EN 358

MILLER H-DESIGN® BODYFIX HARNESS

Ref.	Name	Type of shoulder webbing	Nb of attachment points	Type of buckles	Type of front attachment	Size
10 335 12	Miller H-Design® BODYFIX	No stretch	2	Mating	2 webbing loops	1
10 335 14						2
10 335 15						3
10 335 16					1 D-ring	1
10 335 17						2
10 335 18						3

Conforms to EN 361 and EN 358





ELASTOTRANS



Suitable for work on pylons.

2 point + work positioning - Rear, 2 front attachment and work positioning side D-rings.

FEATURES & BENEFITS

Benefits: Reduces fatigue

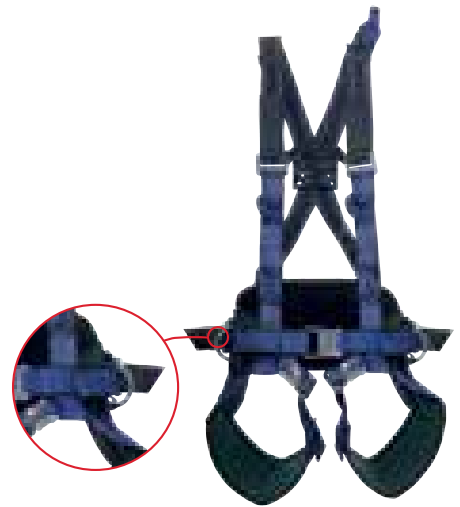
- Full freedom of movement for access.
- Hands-free position.
- Excellent support for suspension.

Ref.	Size
10 030 29	S
10 030 28	M/L
10 030 30	XL

Conforms to EN 361 and EN 358

Features: Comfort and freedom of movement

- Work positioning belt and leg straps.
- Stretchable shoulder straps.
- Ergonomically designed back-padding and padded leg straps.
- Quick-connect buckles for easy fit.
- Rear attachment extension webbing.



ELASTOKUIK COMFORT



Offers full freedom of movement for access and excellent support for work.

2 point + work positioning - Rear, front and work positioning side attachment (front attachment loops) with belt.

FEATURES & BENEFITS

Benefits: Padding to support hands free position

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

Ref.	Size
10 030 23	S
10 030 22	M/L
10 030 24	XL

Conforms to EN 361 and EN 358

Features: Comfort

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





MILLER® R'TST HARNESS

NEW


360° comfort harness!

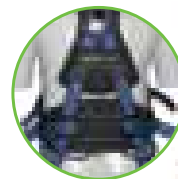
FEATURES & BENEFITS

Benefits:

- Better comfort and focus on the job.
- Greater freedom of movement:
 - 180° rotation (90° sideways) for the worker: when front or side facing the pylon.
 - 360° rotation (180° sideways) for the worker: the worker's back can face the pylon.
- Easy inspection for increased safety.
- Easy and quick to adjust.

Features: Comfort

- Comfortable back pad.
- Rotating work-positioning belt.
- Extended work positioning rings on each side.
- Fall indicators.
- Cam buckles.



Ref.	Size
10 030 23	S
10 030 22	M/L

Conforms to EN 361 and EN 358

TITAN™



Cost effective for work positioning.

FEATURES & BENEFITS

Benefits:

- Lightweight
- Fully adjustable design so one size fits all.
- Sliding back D-ring for a comfortable fit.
- Durable polyester webbing.
- Sub-pelvic strap keeps the wearer upright.
- 45mm chest strap with metal buckle.
- Manual buckles.

Features: Comfort

Ref.	Size	Description
10 118 94	Unique	2 point + work positioning Front and rear attachment with work positioning belt Front webbing loops.
10 118 93	Unique	1 point + work positioning Rear attachment with work positioning belt.

Conforms to EN 361 and EN 358



Ref. 10 118 94



Ref. 10 118 93



RM



The perfect compromise between freedom of movement and excellent support for suspension.

3 point + work positioning - Rear and sternal attachment, ventral attachment loops and work positioning side attachment.

FEATURES & BENEFITS

Benefits: Stretch webbing

- Greater freedom of movement.
- Comfort with reduced fatigue.
- Excellent support for work in suspension.

Features: Easy fitting

- Work positioning belt and sit harness function.
- Elasticated webbing on shoulder straps.
- Lightweight and easy-to-fit.
- Quick connect buckles at legs and waist.
- Padded belt and leg straps.



Ref.	Size
10 034 38	S
10 034 39	M/L

Conforms to EN 361, EN 358 and EN 813

TOWER



Heavy-duty harness, designed for excellent comfort and support.

3 point + work positioning - Rear and front attachment (karabiner for fall arrest and ventral D-ring for access work) and work positioning side D-rings.

FEATURES & BENEFITS

Benefits:

- Belt and sit harness function.
- Belt prevents back injuries and promotes productivity.

Features:

- Ventral attachment point for work in suspension.
- High-quality, resistant webbing for increased durability.
- Work-positioning belt.
- Padded leg straps for enhanced comfort during suspension work.
- Back and shoulder pads.



Ref.	Size
10 062 55	M

Conforms to EN 361, EN 358 and EN 813



A sit harness is used to suspend the operator in a comfortable work position with maximum freedom of movement. When there is the risk of a fall the operator should wear a full body harness. The sit harness conforms to EN813 and optionally EN 358. A full body harness conforms to EN 361 and may also fulfil a work positioning function in accordance with EN 358 and/or EN813.

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

ROPAX



Innovation and technology dedicated to rope access and rescue combining suspension comfort with freedom of movement.

FEATURES & BENEFITS

Benefits:

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

Features: Easy fitting

- New triangular suspension position
- Shoulder straps in V shape.
- Adjustable webbing sling.
- Extra-wide padded belt.
- Foldable side D-rings.
- Web finials.
- 3 large gear loops.
- Left & right tags to facilitate donning.
- Padded leg straps.
- An additional webbing sling positions the ascender tight against the chest to facilitate ascension.

With Quick-Connect Buckles

Ref.	Description	Size
10 151 10	DualTech webbing with shape retention	S/M
10 151 11	DualTech webbing with shape retention	L/XL

With Manual Buckles

Ref.	Description	Size
10 144 34	Black polyester webbing	S/M
10 144 35	Black polyester webbing	L/XL

Conforms to EN 361, EN 358 and EN 813

Suspension System

2 Webbing options:

- DualTech webbing with shape retention memory
- Resistant black polyester webbing

V Shapes to prevent straps from digging

Extra wide padded belt

Side D-rings

Padded leg strap

Left & Right tags



OPTIONS

Ergosoft Dorsal Pad

Designed to protect the back and facilitate harness donning.

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



Ref.
10 152 05

Transversal Pad

Used in conjunction with dorsal pad, it allows the user to adopt a semi-reclined work position without straining the abdominals.

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



Ref.
10 152 06



IBEXX-2R FULL BODY HARNESS



Designed for specialists working hands-free at height or in rescue.

3 point + work positioning - Rear, sternal and ventral attachment (loops) and work positioning side attachment with belt and padded leg straps.

FEATURES & BENEFITS

Benefits: Excellent suspension comfort

- Belay connection link distributes the loads to larger muscle groups.
- Reduces discomfort.
- Minimises suspension trauma.
- Easy to fit.

Ref.	Description	Size
10 073 86	With tools holder	S
10 070 22	With tools holder	M/L
10 073 87	With tools holder	XL
10 102 69	With tools holder	M/L (black)

Conforms to EN 361, EN 358 and EN 813

Features: Fall arrest and work-positioning

- Ventral and sternal front webbing loops attachment.
- Attachment point for a descender and fall arrest device.
- Advanced buckling system.

Ref.	Description	Size
10 070 21	With tools holder	M/L



Ref. 10 070 21



Ref. 10 070 22 / 10 073 86 / 10 073 87

RAM



Flexible sit harness is suitable for mountain rescue technicians where the harness is worn for short durations only sit Harness.

FEATURES & BENEFITS

Benefits: Comfortable work position

- Easy to fit.
- Belay connection link distributes the loads to larger muscles groups.
- Minimises discomfort and suspension trauma.
- Padding provides excellent support and comfort during suspension.

Features: Sit harness

- Waist belay loop for rescue and rope access.
- Padded belt and leg straps.
- Belt with equipment loops.
- Lightweight.

Ref.	Size
10 073 90	S
10 070 25	M/L
10 073 91	XL



Ref.	Size
10 102 51	S
10 102 52	M/L
10 102 53	XL

Conforms to EN 813





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

TITAN™ WORK POSITIONING BELT



2 Side D-rings.

FEATURES & BENEFITS

Benefits:

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

Features:

- Belt and webbing in polyester.



Ref.	Size
10 082 32	Unique

Conforms to EN 358

520 WORK POSITIONING BELT



Ideal for comfortable hands-free work positioning at height

2 Side D-rings rings.

FEATURES & BENEFITS

Benefits:

- Allows good freedom of movement.

Features:

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



Ref.	Size
10 063 19	M
10 063 20	L

Conforms to EN 358

522 WORK POSITIONING BELT



2 Side D-rings.

FEATURES & BENEFITS

Benefits:

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

Features:

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



Ref.	Size
10 063 21	M
10 063 22	L

Conforms to EN 358



The Revolution PivotLink™ and Snap Together Clip connections provide an attachment point for a multitude of accessories and individual tool pouches with an innovative design that accommodates: tools, mobile phones, water bottles and more, accessories are easily attached and detached – distributing weight across the hips and shoulders for a more comfortable fit and greater mobility, universal attachment clips fit on your existing accessories or tool rig and easily attach/detach.

MILLER H-DESIGN®
WEBBING
EXTENSION
SEE P 359



SNAP TOGETHER CLIP FOR MILLER HARNESS ACCESSORIES UP TO 2KG



SET OF 10 PARK POINT RINGS FOR MILLER H-DESIGN OR REVOLUTION HARNESES



Ref.	Description
10 156 15	Snap together clip, withstands up to 2kg of weight

OPEN BOLT & BULL PIN BAG

FEATURES & BENEFITS

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

Ref.	Size
10 142 73	Large
10 142 74	Medium

Ref.	Size
10 164 80	Closable



Ref.
10 338 11

CELL PHONE HOLDER + CONNECTOR

Ref.	Size
10 142 70	Mini
10 142 71	Regular



Ref.
10 142 72

*Bottle not included

WATER BOTTLE HOLDER*





REVOLUTION HARNESS SELF ADHESIVE LABELS X 10



Ref.	Size
10 142 78	Blue
10 142 79	Yellow
10 142 80	Red
10 142 81	Green



PADDED HAMMER LOOP



Ref.
10 160 80

LARGE TOOL BAG WITH HAMMER LOOPS



Ref.
10 150 50



SHOULDER / LEG PADS



Ref.

10 142 76

2 POCKET NAIL AND TOOL POUCH



Ref.

10 142 75

ZIPPED CYLINDRICAL UTILITY POUCH



Ref.

10 155 10

REMOVABLE DORSAL PAD



Ref.

10 111 93



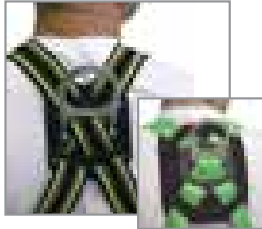
Body Wear

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GUIDE TO HARNESS FEATURES

STANDARD FEATURES



Sliding/Stand-Up Back D-Ring

Sliding back D-ring with injection-molded, flexible Santoprene® D-ring pad. Comfort-touch back D-ring pad (inset) provides added comfort.



Self-Contained Label Pack

Integrated pack encapsulates labels minimizing damage and loss.



Pull-Free Lanyard Rings

Allows user to attach lanyard when not in use. Minimizes hazards associated with the lanyard hanging freely.



Miller Revolution ErgoArmor Back Shield

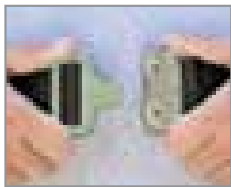
Semi-flexible back shield minimizes impact from sharp/heavy snap hooks and self-retracting lifelines. Stand-up back D-ring simplifies connection.



Miller Revolution PivotLink™ Connection

Unique rotary design provides greater comfort in bending/mobility.

ADJUSTMENT BUCKLE TYPES



Quick-Connect Buckle

Quick-connect buckles for chest and leg straps interlock similar to a seat belt for easy donning and feature a dual-tab release mechanism to prevent accidental opening.



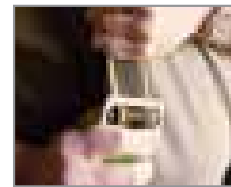
Tongue Buckle

The tongue buckle works similar to a belt buckle. Insert the loose strap of webbing through the tongue buckle placing the buckle tongue through the appropriate grommet hole. Push remaining webbing through the keeper.



Mating Buckle

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



Friction Buckle

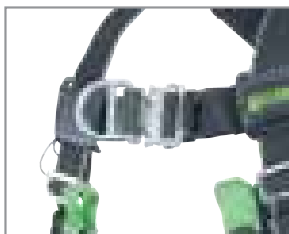
To adjust the friction buckle, simply pass the webbing over the knurled bar and back down between the knurled bar and frame. Pull web end to tighten.



Cam Buckle

Easy, one-hand adjustment/release allows simultaneous adjustment of shoulder straps.

D-RING OPTIONS



Front D-Ring

Used for a variety of climbing, confined space and rescue applications.



Shoulder D-Rings

Primarily used for lifting and lowering individuals, such as in confined space and rescue applications.



Side D-Rings

Most commonly used for work positioning.



PVC Coated D-Rings

Most commonly used to prevent scratching in a variety of applications.



MILLER REVOLUTION™ HARNESSES

Miller Revolution Harnesses reinvent harness safety and functionality with features developed to meet key, user-identified needs; comfort, fit, ease-of-use, style, durability, compliance, flexibility and convenience.

Engineered with 7 unique components and more than 11 key product features

- Unique rotary design of the PivotLink™ Connection provides greater comfort in bending and improved mobility
- Integrated Accessory System provides connection points for belts, tools and accessories
- Rated to 400-lbs. (181.4 kg) capacity



1 DualTech™ Webbing
Donning is made easy with two-sided, contrasting color webbing and textures





RDT-QC/UBK

2 Self-Contained Label Pack
Integrated pack encapsulates labels minimizing damage and loss




3 Quick-Connect Chest Buckle
Interlock design similar to a seat belt, for easy donning and features a dual-tab release mechanism to prevent accidental opening



4 ErgoArmor™ Back Shield
Semi-flexible back shield minimizes impact from sharp/heavy snap hooks and self-retracting lifelines. Stand-up back D-ring simplifies connection.



5 Web Finales
Clip-on design safely organizes webbing after proper adjustment



6 Cam Buckles
Easy, one-hand adjustment/release allows simultaneous adjustment of shoulder straps



7 PivotLink™ Connection
Unique rotary design provides greater comfort in bending/mobility.



8 Integrated Accessory System
Modular attachment design provides connection points for belts/tools/accessories





With DuraFlex® Webbing

Patented, elastomer webbing specially-formulated to stretch.



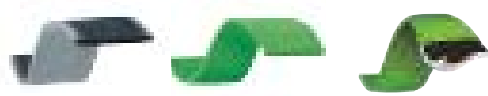
With Python® Webbing

Patented, cushioned tubular webbing reduces stress to shoulders when using a tool belt.



With DualTech™ Webbing

Patent-pending DualTech webbing offers a soft, textured inside and a durable, chemical-resistant polyester outer material. Tested to 7,000 lbs. (31 kN) minimum tensile strength (40% stronger than ANSI requirements) for greater safety and longer service life.



SKU

Dualtech™ Webbing	Duraflex® Webbing	Python Webbing	Size	Back D-Ring	Side D-Rings & Pad	Chest Strap Buckle	Leg Strap Buckles	Sub-Pelvic Strap	Removable Belt
RDT-QC/UBK	RDF-QC/UGN	RPY-QC/UGN	U	Yes	No	Quick-Connect	Quick-Connect	Yes	No
RDT-TB/UBK	RDF-TB/UGN	RPY-TB/UGN	U	Yes	No	Quick-Connect	Tongue	Yes	No
RDT-QC-B/UBK	RDF-QC-B/UGN	RPY-QC-B/UGN	U	Yes	No	Quick-Connect	Quick-Connect	Yes	Yes
RDT-TB-B/UBK	RDF-TB-B/UGN	RPY-TB-B/UGN	U	Yes	No	Quick-Connect	Tongue	Yes	Yes
RDT-QC-DP/UBK	RDF-QC-DP/UGN	RPY-QC-DP/UGN	U	Yes	Yes	Quick-Connect	Quick-Connect	Yes	No
RDT-TB-DP/UBK	RDF-TB-DP/UGN	RPY-TB-DP/UGN	U	Yes	Yes	Quick-Connect	Tongue	Yes	No
RDT-QC-BDP/UBK	RDF-QC-BDP/UGN	RPY-QC-BDP/UGN	U	Yes	Yes	Quick-Connect	Quick-Connect	Yes	Yes
RDT-TB-BDP/UBK	RDF-TB-BDP/UGN	RPY-TB-BDP/UGN	U	Yes	Yes	Quick-Connect	Tongue	Yes	Yes

SKU numbers listed are for Universal (Lg./XL) size. Harnesses are also available in small/medium and XXL/XXXL, by replacing the "U" in the SKU number with "S/M" or "XXL/XXXL" (Ex: RDF-QC-B/S/MGN).

With Kevlar®-Nomex® Webbing

Rugged, black Kevlar outside and gray Nomex inside provide superior comfort and durability for harsh working environments.

SKU	Size	Back D-Ring	Side D-Rings & Pad	Chest Strap Buckle	Leg Strap Buckles	Sub-Pelvic Strap	Removable Belt
RKN-QC/UBK	U	Yes	No	Quick-Connect	Quick-Connect	Yes	No
RKN-TB/UBK	U	Yes	No	Quick-Connect	Tongue	Yes	No
RKN-QC-B/UBK	U	Yes	No	Quick-Connect	Quick-Connect	Yes	Yes
RKN-TB-B/UBK	U	Yes	No	Quick-Connect	Tongue	Yes	Yes



SKU numbers listed are for Universal (Lg./XL) size. Harnesses are also available in small/medium and XXL/XXXL, by replacing the "U" in the SKU number with "S/M" or "XXL/XXXL" (Ex: RKN-QC/XXL/XXXLBK).

For front D-ring vest-style option, add "FD" to the corresponding harness SKU number (Ex: RKNFD-QC/UBK). Kevlar® and Nomex® are registered trademarks of E.I. DuPont.



With Integrated Waist Connection

- Ladder attachment point at waist (specific models only) allows for a relaxed climbing position, creating a smooth system operation during vertical climbs; prevents system lock-up
- Maximum user comfort = better worker compliance
- Allows for multiple connection methods
- For use with rail, ladder and cable systems
- Meets applicable OSHA, ANSI and CSA Standards

SKU	Size	Model-Specific Features
1015604	U	Full-body harness with soft back lumbar back pad with side D-rings for positioning; suspension loops; belt with quick-connect buckle; waist front D-ring for easy ladder climbing
1014808	U	Full-body harness with soft back lumbar back pad with side D-rings for positioning; suspension loops; belt with quick-connect buckle
070068/UBK	U	Hip D-ring for easy ladder climbing (does not include ladder attachment point at waist)

Additional sizes available.



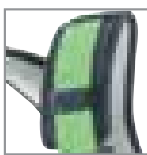
1015604

Construction Harnesses

A construction site is a tough environment, however the design and materials used on these construction harnesses are up to the task.

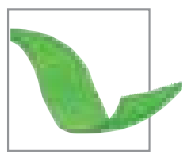
Designed to meet the durability, all-day comfort and safety requirements while working at heights on a construction site, the new Miller Revolution Construction Harnesses offer the same key features (see page 31) that have made the original Miller Revolution Harnesses the most comfortable and user-friendly products available.

- Miller Revolution Construction Harnesses use heavy-duty webbing that is almost twice as strong as the standards require, and is certain to provide the longest service life possible
- New back/shoulder padding allows optimum air flow, while providing all-day comfort, even in the shoulders when carrying a full load of tools
- Innovative Cam Buckles provide easy, one-hand adjustment Rated to 400-lb. (181.4 kg) capacity



Integrated Back/Shoulder Pad

New back/shoulder padding allows optimum air flow, while providing all-day comfort



Heavy-Duty Webbing

For durability on the construction site



Cam Buckles

Provide easy, one-hand adjustment



R10CN-MB-BDP/UGN

SKU	Size	Model-Specific Features
R10CN-MB/UGN	U	Mating buckle legs
R10CN-TB/UGN	U	Tongue buckle legs
R10CN-MB-BDP/UGN	U	Mating buckle legs / Removable belt / Side D-rings & pad
R10CN-TB-BDP/UGN	U	Tongue buckle legs / Removable belt / Side D-rings & pad

SKU numbers listed are for Universal (Lg./XL) size. Harnesses are also available in small/medium and XXL/XXXL, by replacing the "U" in the SKU number with "S/M" or "XXL/XXXL" (Ex: R10CN-MB/XXL/XXXLGN).



Arc-Rated

Miller Revolution Arc-Rated Harnesses are designed to protect workers from falls caused by electric arc-flash and arc-blast exposure when working at heights or in confined space applications near energized electrical sources.

Kevlar/Nomex Miller DualTech™ Webbing

- Patent-pending 10,000 lb. (44 kN) tensile strength webbing
- Engineered with permanent fire retardant (FR) properties
- Offers the durability and FR properties of Kevlar on the outer side, with softer FR Nomex on the inside of the webbing for greater comfort assures arc protection and durability that eclipses any nylon webbing
- Rated to 400-lbs. (181.4 kg) capacity



Kevlar Web Loop Back Pad allows for a "metal-less" connection when used with a Kevlar shock-absorbing lanyard with a choke-off loop.



Leather Utility Bag Available
Specialty tool bag features multiple compartments and durable, oil-tanned leather construction. Designed to attach directly to the Miller Revolution harness by simply snapping on or off.
RIA-T11/1

Bright Red Pad Stitching for easy identification as an arc-rated product.

Leather insulators under all metal hardware offer additional protection.



RKNARRL-QC/UBK

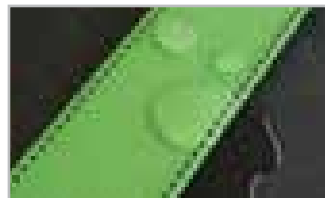
SKU	Size	Leg Strap Buckles	Rescue Loops	Special Features
RKNAR-QC/UBK	U	Quick-Connect	No	Leather insulators / web back D-ring
RKNAR-TB/UBK	U	Tongue	No	Leather insulators / web back D-ring
RKNAR-QC-BDP/UBK	U	Quick-Connect	No	Leather insulators / web back D-ring / removable belt / side D-rings & pad
RKNAR-TB-BDP/UBK	U	Tongue	No	Leather insulators / web back D-ring / removable belt / side D-rings & pad
RKNARRL-QC/UBK	U	Quick-Connect	Yes	Leather insulators / web back D-ring
RKNARRL-TB/UBK	U	Tongue	Yes	Leather insulators / web back D-ring
RKNARRL-QC-BDP/UBK	U	Quick-Connect	Yes	Leather insulators / web back D-ring / removable belt / side D-rings & pad
RKNARRL-TB-BDP/UBK	U	Tongue	Yes	Leather insulators / web back D-ring / removable belt / side D-rings & pad

SKU numbers listed are for Universal (Lg./XL) size. Harnesses are also available in small/medium and XXL/XXXL, by replacing the "U" in the SKU number with "S/M" or "XXL/XXXL" (Ex: RKNAR-QC/S/MBK). For front D-ring vest-style option, add "FD" to the corresponding harness SKU number (Ex: RKNARFD-QC/UBK).

Vinyl-Coated

A special vinyl coating on the webbing protects against a variety of liquids that could compromise overall performance. **Miller Revolution Vinyl-Coated Harnesses** are effective in a wide range of applications, including Food Processing, Petrochemical, Water Treatment, Painting, Billboards and General Industry.

- Two (2) pull-free lanyard rings
- Clip-on design web finials organize webbing after proper adjustment
- Integrated, self-contained label pack safely encapsulates labels, minimizing damage and loss
- Rated to 400-lbs. (181.4 kg) capacity



Vinyl-coated webbing prevents absorption of liquids and is easy to clean.



RPC-TB/UGN

SKU	Size	Back D-Ring	Front D-Ring	Side D-Rings	Chest Strap Buckle	Shoulder Strap Buckles	Leg Strap Buckles	Sub-Pelvic Strap	Special Features
RPC-TB/UGN	U	Yes	Option	No	Mating	Friction	Tongue	Yes	N/A
RPC-TB-BD/UGN	U	Yes	Option	Yes	Mating	Friction	Tongue	Yes	Removable belt with side D-rings

SKU numbers listed are for Universal (Lg./XL) size. Harnesses are also available in small/medium and XXL/XXXL, by replacing the "U" in the SKU number with "S/M" or "XXL/XXXL" (Ex: RPC-TB/XXL/XXXLGN).



Accessories

SKU	Description
RKNAR-QC/UBK	
RIA-T1/1*	Mini cell phone holder w/snap-on connector
RIA-T2/1*	Regular cell phone/job site radio holder, w/snap-on connector
RIA-T3/1*	Water bottle holder, 1 qt. (Bottle not included)
RIA-T5/1*	Medium open bolt & bull pin bag
RIA-T6/1*	2 pocket nail & tool pouch
RIA-T7/1*	Large multi-pouch tool bag w/2 steel hammer loops
RIA-T8/1*	Padded hammer loop
RIA-T11/1	Leather utility tool bag
RIA-T12/1	Tower tool bag w/cover
OPTIONAL PADDING	
RIA-P1/	Shoulder/leg pads (2 pack)
RIA-P2/U/XL	Seat pad – universal size
RIA-P2/S/M	Seat pad – S/M size
RIA-P5AR/XXL/XXXL	Hi-temp, removable seat pad – XXL/XXXL size
BELTS (FITS SIZES 32" [1.81 M] TO 54" [1.4 M])	
RIA-P1/	Shoulder/leg pads (2 pack)
RIA-P2/U/XL	Seat pad – universal size
RIA-P2/S/M	Seat pad – S/M size
CONNECTION POINTS	
RIA-P2/S/M	Seat pad – S/M size

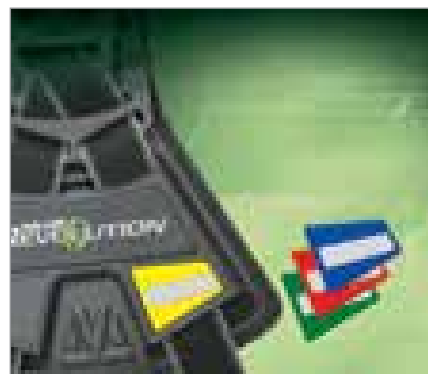
* These accessories also available in a case of six, order by replacing the "1" in the SKU number with "6" (Ex: RIA-C2/6).



Accessory Kits

SKU	Description
Identification Kits	
RIA-BL/	(10) Blue self-adhesive labels w/write-in window
RIA-YL/	(10) Yellow self-adhesive labels w/write-in window
RIA-RD/	(10) Red self-adhesive labels w/write-in window
RIA-GN/	(10) Green self-adhesive labels w/write-in window
JOB KITS (FITS SIZES 32" [1.81 M] TO 54" [1.4 M])	
RIA-K2/1*	Regular cell phone/job site radio holder w/snap-on connector Water bottle holder Large multi-pouch tool bag w/2 steel hammer loops

* These accessory kits also available in a case of three, order by replacing the "1" in the SKU number with "3" (Ex: RIA-K2/3).





MILLER AIRCORE™ HARNESSES

- Breathable, Open-Core Padding Technology – Maximizes airflow, and reduces heat and moisture build-up; up to 16% less surface area than other padding used on the market
- Lightweight - Aluminum materials and components selected to reduce fatigue for all-day endurance and increased productivity. 16% lighter in weight than competitive harnesses with aluminum hardware and 20% lighter than harnesses with steel hardware
- Front D-ring option is designed for use in climbing, confined space and rescue applications
- One-hand adjustment shoulder cam buckles; Stand-up back D-ring; Quick-connect chest buckle; Pull-free lanyard rings
- Rated to 400 lbs. (181.4 kg) capacity

With Steel Hardware

SKU	Side D-rings	Shoulder D-rings	Chest Strap	Leg Strap	Lumbar Pad/Removable Belt	Weight
AC-QC/UGN	No	No	Quick-Connect	Quick-Connect	No	4.0 lbs.
AC-TB/UGN	No	No	Quick-Connect	Tongue	No	4.0 lbs.
AC-QC-D/UGN	Yes	No	Quick-Connect	Quick-Connect	No	4.7 lbs
AC-TB-D/UGN	Yes	No	Quick-Connect	Tongue	No	4.7 bs.
AC-QC-BDP/UGN	Yes	No	Quick-Connect	Quick-Connect	Yes	6.1 lbs.
AC-TB-BDP/UGN	Yes	No	Quick-Connect	Tongue	Yes	6.1 lbs.
ACMB-TB/UGN	No	No	Mating Buckle	Tongue	No	4.0 lbs.
ACMB-TB-BDP/UGN	Yes	No	Mating Buckle	Tongue	Yes	6.1 lbs
ACSD-QCUG	No	Yes	Quick-Connect	Quick-Connect	No	4.4 lbs.
ACSD-QCBDPUG	Yes	Yes	Quick-Connect	Quick-Connect	Yes	6.5 lbs.

To order AirCore Harnesses with aluminum hardware, add an "A" after the "C" in the model number (ex. ACA-QC/UGN)

With Front D-Ring

SKU	Side D-rings	Chest Strap	Leg Strap	Lumbar Pad/Removable Belt	Weight
ACF-TBUG	No	Quick-Connect	Tongue	No	4.1 lbs.
ACF-QCUG	No	Quick-Connect	Quick-Connect	No	4.1 lbs.
ACF-TBDUG	Yes	Quick-Connect	Tongue	No	4.8 lbs
ACF-QCDUG	Yes	Quick-Connect	Quick-Connect	No	4.8 bs.
ACF-TBBDPUG	Yes	Quick-Connect	Tongue	Yes	6.2 lbs.
ACF-QCBDPUG	Yes	Quick-Connect	Quick-Connect	Yes	6.2 lbs.

To order AirCore Front D-ring Harnesses with aluminum hardware, replace the "C" in the model number with "A" (ex. AAF-QCUG)



AC-QC-BDP/UGN



ACF-TBDUG





MILLER AIRCORE™ HARNESSES

For Oil and Gas

- Multiple Back D-ring connections – 18" extended back D-ring provides an easy-to-reach attachment point for fall arrest, freeing the back D-ring as an additional connection point for fall arrest or rescue
- Enhanced lumbar padding – Expanded front waist padding for increased comfort and support
- Up to 20% lighter than similar competitive harnesses – Increased productivity and reduced fatigue
- Removable belt with leather guide – Improved design provides increased functionality, comfort and durability
- Lower lumbar D-ring – Provides restraint attachment point when needed
- Bos'n chair attachment – Rigid work seat for added support
- Seat sling attachment – Flexible seat for use with a derrick climb-assist system, reducing worker fatigue



ACOG-TBSSUG

SKU	Model-Specific Features	Special Feature	Weight
ACOG-TBSSUG	Tongue Buckle Legs, Mating Buckle Chest Strap, Front D-ring, Extended Back D-ring, Lumbar Pad, Removable Belt with Lumbar D-ring	Removable Seat Sling with Side D-rings	7.7 lbs. (3.5 kg)
ACOG-TBSSUG	Tongue Buckle Legs, Mating Buckle Chest Strap, Front D-ring, Extended Back D-ring, Lumbar Pad, Removable Belt with Lumbar D-ring	Removable Seat Sling with Side D-rings	7.7 lbs. (3.5 kg)
ACOG-TBSSUG	Tongue Buckle Legs, Mating Buckle Chest Strap, Front D-ring, Extended Back D-ring, Lumbar Pad, Removable Belt with Lumbar D-ring	Removable Seat Sling with Side D-rings	7.7 lbs. (3.5 kg)
ACOG-SS	Seat Sling with Side D-rings	NA	1.6 lbs. (0.7 kg)
ACOG-BC	Bos'n Chair with Side D-rings	NA	3.2 lbs. (1.5 kg)

Model numbers listed are for universal size. Harnesses are also available in small/medium and XXLarge by replacing the "U" in the model number with "SM" or "23X". To order a blue harness, simply replace the "G" in the model number with "B" (ex. ACOG-TBSSUB). All listed models include a back D-ring and sub-pelvic strap.

For Wind Energy

- Up to 24% lighter than similar competitive harnesses – Increased productivity and reduced fatigue.
- Up to 16% less surface area than other padding used on the market – Keeps workers cooler and working longer
- Patented, durable Removable Lumbar Wear Pad – Lightweight, non-marring material designed to protect the harness and the wall of the turbine from damage
- Removable Belt with tool loops – Uniquely designed to stay in position when disconnected, even when tools are attached



ACFW-QCBDPUG

SKU	Model-Specific Features	Special Feature	Weight
WITH STEEL HARDWARE			
ACFW-QCBDPUG	Quick Connect Chest and Leg Straps, Front D-ring, Lumbar Pad, Side D-rings, Removable Belt with Tool Loops	Removable Lumbar Wear Pad	6.6 lbs. (2.9 kg)
WITH ALUMINUM HARDWARE			
AAFW-QCBDPUG	Quick Connect Chest and Leg Straps, Front D-ring, Lumbar Pad, Side D-rings, Removable Belt with Tool Loops	Removable Lumbar Wear Pad	5.8 lbs. (2.6 kg)

Model numbers listed are for universal size. Harnesses are also available in small / medium and XXLarge by replacing the "U" in the model number with "SM" or "23X". To order a blue harness, simply replace the "G" in the model number with "B" (ex. ACFW-QCBDPUB). To order with aluminum hardware, simply change the "ACFW" to "AAFW". All listed models include a back D-ring and sub-pelvic strap.

ACCESSORIES

ACLWP	Removable Lumbar Wear Pad		0.2 lbs. (0.09kg)
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MILLER AIRCORE™ HARNESSES

For Tower Climbing

- Up to 21% lighter than similar competitive harnesses – Increased productivity and reduced fatigue.
- Up to 16% less surface area than other padding used on the market – Keeps workers cooler and working longer
- Leather Bos'n chair attachment – Removable/adjustable leather rigid work seat for added support
- Removable Belt with tool loops – Uniquely designed to stay in position when disconnected, even when tools are attached



ACT-QCBCUG

SKU	Model-Specific Features	Special Feature	Weight
WITH STEEL HARDWARE			
ACT-QCBCUG	Quick Connect Chest and Leg Straps, Front D-ring, Lumbar Pad, Side D-rings, Removable Belt	Removable Bos'n Chair	9.8 lbs. (4.4 kg)
ACT-QCUG	Quick Connect Chest and Leg Straps, Front D-ring, Lumbar Pad, Side D-rings, Removable Belt	NA	6.6 lbs. (3.0 kg)

Model numbers listed are for universal size. Harnesses are also available in small/medium and XXlarge by replacing the "U" in the model number with "SM" or "23X".

To order a blue harness, simply replace the "G" in the model number with "B" (ex. ACT-QCUB). To order with aluminum hardware, simply change the "ACT" to "AAT". All listed models include a back D-ring and sub-pelvic strap.

ACCESSORIES			
ACT-BC	Bos'n Chair with Steel Side D-rings		3.2 lbs. (1.5 kg)
ACTL10	Tool Loops; 10 pack		0.5 lbs. (0.2 kg)

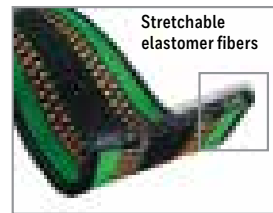
Note: For the aluminum version please change ACT- to AAT-.





MILLER DURAFLEX® HARNESSES

- Patented Miller DuraFlex Harnesses feature specially formulated elastomer webbing that stretches
- Rated to 400-lbs. (181.4 kg) capacity
- Maximize Comfort: DuraFlex Harnesses conform to the shape of the worker, stretching with every movement, so there is no bunching, binding or kinking.
- Improve Safety: With comfort unsurpassed, DuraFlex Harnesses offer wider end-user acceptance. And, a comfortable harness is worn properly, enhancing compliance and safety on the job site.
- Increase Productivity: Because DuraFlex Harnesses are stretchable, the worker has greater mobility with less fatigue.



SKU	Size	Back D-Ring	Size D-Ring	Shoulder Strap Buckles	Leg Strap Buckles	Chest Strap Buckles	Sub-Pelvic Strap	Special Features
Series 650 Harnesses								
E650/UGN	U	Yes	No	Friction	Mating	Mating	Yes	Pull-up adjustment / Pull-free lanyard rings / Belt loops
E650-4/UGN	U	Yes	No	Friction	Tongue	Mating	Yes	Pull-up adjustment / Pull-free lanyard rings / Belt loops
E650-7/UGN	U	Yes	Yes	Friction	Mating	Mating	Yes	Pull-up adjustment / Pull-free lanyard rings / Belt loops
E650-58/UGN	U	Yes	Yes	Friction	Tongue	Mating	Yes	Pull-up adjustment / Pull-free lanyard rings / Belt loops
Construction Harnesses								
E650-77/UGN	U	Yes	Yes	Friction	Tongue	Mating	Yes	Pull-up adjustment / Permanently-attached back pad / Removable body belt / Pull-free lanyard rings
E650-78/UGN	U	Yes	Yes	Friction	Mating	Mating	Yes	Pull-up adjustment / Belt loops / Removable body belt / Pull-free lanyard rings
Ms. Miller® Harness								
E570/URN	U	Yes	No	Friction	Mating	Mating	No	Back and leg pads / Pull-free lanyard rings
Warehouse Picker's Harness								
E850-2/UGN	U	Yes	No	Friction	Mating	Mating	Yes	Pull-down adjustment / Back D-ring web extension / Pull-free lanyard rings

SKU numbers listed are for Universal (Lg./XL) size. Harnesses are also available in small/medium, XXL and XXXL, by replacing the "U" in the SKU number with "S/M", "XXL" or "XXXL" (Ex: E550/XXLGN).



MILLER WELDING HARNESSSES

Lightweight/Comfort Welding Harness

- Lightweight, comfort welding harness features blue, flame-retardant Nomex webbing to protect against weld splatter
- Inner Kevlar core adds strength and high-temperature resistance

650K/UBL



Heavy-Duty Welding Harness

- Rugged black Kevlar® webbing for harsh welding environments
- Meets ASTM F887 Arc Test requirements and are rated for arc exposure
- Quick-connect buckles on the chest strap for easy/fast donning

850KQC/UBK



SKU	Size	Back D-Ring	Front D-Ring	Side D-Rings	Chest Strap Buckle	Shoulder Strap Buckles	Leg Strap Buckles	Sub-Pelvic Strap	Special Features
MILLER LIGHTWEIGHT/COMFORT WELDING HARNESSSES									
650K/UBL	U	Yes	Option	No	Mating	Friction	Mating	Yes	Belt loops; pull-up adjustment
650K-7/UBL	U	Yes	Option	Yes	Mating	Friction	Mating	Yes	Belt loops; pull-up adjustment
850K/UBL	U	Yes	Option	No	Mating	Friction	Mating	Yes	Pull-down adjustment
MILLER HEAVY-DUTY WELDING HARNESSSE									
650KQC-4/UBK	U	Yes	Option	No	Quick-Connect	Friction	Tongue	Yes	Belt loops; pull-up adjustment
650KQC-58/UBK	U	Yes	Option	Yes	Quick-Connect	Friction	Tongue	Yes	Belt loops; pull-up adjustment
850KQC/UBK	U	Yes	Option	No	Quick-Connect	Friction	Quick-Connect	Yes	Pull-down adjustment
850KQC-4/UBK	U	Yes	Option	No	Quick-Connect	Friction	Tongue	Yes	Pull-down adjustment
850KQC-58/UBK	U	Yes	Option	Yes	Quick-Connect	Friction	Tongue	Yes	Pull-down adjustment

SKU numbers listed are for Universal (Lg./XL) size. Harnesses are also available in small/medium, XXL and XXXL, by replacing the "U" in the SKU number with "S/M", "XXL" or "XXXL" (Ex: 650K/XXLBL). For front D-ring vest-style option, add "FD" to the corresponding harness SKU number (Ex: 650KFD/UBL).





NAME	STANDARD	REF.	SIZES	ATTACHMENT POINT				WEB	BUCKLES			
				Dorsal	Sternal	Ventral	Side		Shoulder	Belt	Leg	Chest
REVOLUTION™ RANGE												
Miller Revolution™ R2	EN 361	1014236	S/M	•	•			DuraFlex	CAM		Automatic	Automatic
		1014237	L/XL	•	•			DuraFlex	CAM		Automatic	Automatic
		1014238	XXL	•	•			DuraFlex	CAM		Automatic	Automatic
Miller Revolution™ R2	EN 361	1014239	S/M	•	•			Dualtech	CAM		Automatic	Automatic
		1014240	L/XL	•	•			Dualtech	CAM		Automatic	Automatic
		1014241	XXL	•	•			Dualtech	CAM		Automatic	Automatic
Miller Revolution™ R3	EN 361, EN 358	1014242	S/M	•	•		•	Dualtech	CAM	Automatic	Automatic	Automatic
		1014243	L/XL	•	•		•	Dualtech	CAM	Automatic	Automatic	Automatic
		1014244	XXL	•	•		•	Dualtech	CAM	Automatic	Automatic	Automatic
Miller Revolution™ R5	EN 361, EN 358	1014251	S/M	•	•		•	DuraFlex	CAM	Automatic	Automatic	Automatic
		1014252	L/XL	•	•		•	DuraFlex	CAM	Automatic	Automatic	Automatic
		1014253	XXL	•	•		•	DuraFlex	CAM	Automatic	Automatic	Automatic
Miller Revolution™ R5	EN 361, EN 358	1014254	S/M	•	•		•	Dualtech	CAM	Automatic	Automatic	Automatic
		1014255	L/XL	•	•		•	Dualtech	CAM	Automatic	Automatic	Automatic
		1014256	XXL	•	•		•	Dualtech	CAM	Automatic	Automatic	Automatic
Miller Revolution™ R6	EN 361, EN 358	1014257	S/M	•	•	•	•	Duraflex	CAM	Automatic	Automatic	Automatic
		1014258	L/XL	•	•	•	•	Duraflex	CAM	Automatic	Automatic	Automatic
		1014259	XXL	•	•	•	•	Duraflex	CAM	Automatic	Automatic	Automatic
		1014260	S/M	•	•	•	•	Dualtech	CAM	Automatic	Automatic	Automatic
		1014261	L/XL	•	•	•	•	Dualtech	CAM	Automatic	Automatic	Automatic
		1014262	XXL	•	•	•	•	Dualtech	CAM	Automatic	Automatic	Automatic
WIND INDUSTRY												
Miller Revolution™ R7 WIND	EN 361, EN 358, OSHA/ANSI /CSA/AS/NZ	1014807/WIND	S/M (US)	•	•		•	Polyester	Manual	Automatic	Automatic	Manual
		1014808/WIND	L/XL (US)	•	•		•	Polyester	Manual	Automatic	Automatic	Manual
		1014809/WIND	XXL (US)	•	•		•	Polyester	Manual	Automatic	Automatic	Manual
Miller Revolution™ R7 OFFS	EN 361, EN 358, OSHA/ANSI/ CSA/AS/NZ	1014807/OFFS	S/M (US)	•	•		•	Dualtech	CAM	Automatic	Automatic	Automatic
		1014808/OFFS	L/XL (US)	•	•		•	Dualtech	CAM	Automatic	Automatic	Automatic
		1014809/OFFS	XXL (US)	•	•		•	Dualtech	CAM	Automatic	Automatic	Automatic
H-DESIGN® range												
Miller H-Design®	EN 361	1032855	1	•				DuraFlex	Manual		Manual	Manual
		1032856	2	•				DuraFlex	Manual		Manual	Manual
		1032857	3	•				DuraFlex	Manual		Manual	Manual
		1032859	1	•				DuraFlex	Manual		Automatic	Automatic
		1032860	2	•				DuraFlex	Manual		Automatic	Automatic
		1032861	3	•				DuraFlex	Manual		Automatic	Automatic
		1032863	1	•	•			DuraFlex	Manual		Manual	Manual
		1032864	2	•	•			DuraFlex	Manual		Manual	Manual
		1032865	3	•	•			DuraFlex	Manual		Manual	Manual
		1032871	1	•	•			DuraFlex	Manual		Automatic	Automatic
		1032872	2	•	•			DuraFlex	Manual		Automatic	Automatic
		1032873	3	•	•			DuraFlex	Manual		Automatic	Automatic
		1032867	1	•	•			DuraFlex	Manual		Manual	Manual
		1032868	2	•	•			DuraFlex	Manual		Manual	Manual
		1032869	3	•	•			DuraFlex	Manual		Manual	Manual
		1032875	1	•	•			DuraFlex	Manual		Automatic	Automatic
		1032876	2	•	•			DuraFlex	Manual		Automatic	Automatic
		1032877	3	•	•			DuraFlex	Manual		Automatic	Automatic
		1032831	1	•				Polyester	Manual		Manual	Manual
		1032832	2	•				Polyester	Manual		Manual	Manual
		1032833	3	•				Polyester	Manual		Manual	Manual
		1032835	1	•				Polyester	Manual		Automatic	Automatic
		1032836	2	•				Polyester	Manual		Automatic	Automatic
		1032837	3	•				Polyester	Manual		Automatic	Automatic
		1032839	1	•	•			Polyester	Manual		Manual	Manual
		1032840	2	•	•			Polyester	Manual		Manual	Manual
		1032841	3	•	•			Polyester	Manual		Manual	Manual
		1032847	1	•	•			Polyester	Manual		Automatic	Automatic
		1032848	2	•	•			Polyester	Manual		Automatic	Automatic



NAME	STANDARD	REF.	SIZES	ATTACHMENT POINT				WEB	BUCKLES			
				Dorsal	Sternal	Ventral	Side		Shoulder	Belt	Leg	Chest
H-DESIGN® RANGE												
Miller H-Design®		1032849	3	•	•			Polyester	Manual		Automatic	Automatic
		1032843	1	•	•			Polyester	Manual		Manual	Manual
		1032844	2	•	•			Polyester	Manual		Manual	Manual
		1032845	3	•	•			Polyester	Manual		Manual	Manual
		1032851	1	•	•			Polyester	Manual		Automatic	Automatic
		1032852	2	•	•			Polyester	Manual		Automatic	Automatic
		1032853	3	•	•			Polyester	Manual		Automatic	Automatic
Miller H-Design® Hi-Vis vest	EN 20471, EN 13688	1032895	1-2									
		1032896	2-3									
		1032897	1-2									
		1032898	2-3									
Miller H-Design® harness with Hi-Vis vest	EN 20471, EN 13688 EN 361	1032917	1	•	•			DuraFlex	Manual		Automatic	Automatic
		1032918	2	•	•			DuraFlex	Manual		Automatic	Automatic
		1032919	3	•	•			DuraFlex	Manual		Automatic	Automatic
		1032920	1	•	•			DuraFlex	Manual		Automatic	Automatic
		1032921	2	•	•			DuraFlex	Manual		Automatic	Automatic
		1032922	3	•	•			DuraFlex	Manual		Automatic	Automatic
		1032929	1	•	•			DuraFlex	Manual		Automatic	Automatic
		1032930	2	•	•			DuraFlex	Manual		Automatic	Automatic
		1032931	3	•	•			DuraFlex	Manual		Automatic	Automatic
		1032932	1	•	•			DuraFlex	Manual		Automatic	Automatic
		1032933	2	•	•			DuraFlex	Manual		Automatic	Automatic
		1032934	3	•	•			DuraFlex	Manual		Automatic	Automatic
Miller H-Design® Quick-fit vest		1032880										
Miller H-Design® harness with quick-fit vest	EN 361	1032887	1	•	•			DuraFlex	Manual		Automatic	Automatic
		1032888	2	•	•			DuraFlex	Manual		Automatic	Automatic
		1032889	3	•	•			DuraFlex	Manual		Automatic	Automatic
		1032890	1	•	•			DuraFlex	Manual		Automatic	Automatic
		1032891	2	•	•			DuraFlex	Manual		Automatic	Automatic
		1032892	3	•	•			DuraFlex	Manual		Automatic	Automatic
Miller H-Design® confined space belts		1033561	S/M							Automatic		
		1033562	L/XL							Automatic		
Miller H-Design® confined space harness with belt	EN 361	1033860	1	•	•			DuraFlex	Manual	Automatic	Automatic	Automatic
		1033861	2	•	•			DuraFlex	Manual	Automatic	Automatic	Automatic
		1033862	3	•	•			DuraFlex	Manual	Automatic	Automatic	Automatic
Miller H-Design® BodyFit	EN 361	1033528	1	•	•		•	DuraFlex	Manual	Manual	Manual	Manual
		1033529	2	•	•		•	DuraFlex	Manual	Manual	Manual	Manual
		1033530	3	•	•		•	DuraFlex	Manual	Manual	Manual	Manual
		1033532	1	•	•		•	DuraFlex	Manual	Manual	Manual	Manual
		1033533	2	•	•		•	DuraFlex	Manual	Manual	Manual	Manual
		1033534	3	•	•		•	DuraFlex	Manual	Manual	Manual	Manual
		1033536	1	•	•		•	DuraFlex	Manual	Automatic	Automatic	Automatic
		1033537	2	•	•		•	DuraFlex	Manual	Automatic	Automatic	Automatic
		1033538	3	•	•		•	DuraFlex	Manual	Automatic	Automatic	Automatic
		1033540	1	•	•		•	DuraFlex	Manual	Automatic	Automatic	Automatic
		1033541	2	•	•		•	DuraFlex	Manual	Automatic	Automatic	Automatic
		1033542	3	•	•		•	DuraFlex	Manual	Automatic	Automatic	Automatic
Miller H-Design® BodyFix	EN 361	1033512	1	•	•		•	Polyester	Manual	Manual	Manual	Manual
		1033513	2	•	•		•	Polyester	Manual	Manual	Manual	Manual
		1033514	3	•	•		•	Polyester	Manual	Manual	Manual	Manual
		1033516	1	•	•		•	Polyester	Manual	Manual	Manual	Manual
		1033517	2	•	•		•	Polyester	Manual	Manual	Manual	Manual
		1033518	3	•	•		•	Polyester	Manual	Manual	Manual	Manual



NAME	STANDARD	REF.	SIZES	ATTACHMENT POINT				WEB	BUCKLES			
				Dorsal	Sternal	Ventral	Side		Shoulder	Belt	Leg	Chest
TITAN™ RANGE												
TITAN™	EN 361	1011890	unique	•				Polyester			Manual	Manual
TITAN™	EN 361	1011891	unique	•	•			Polyester			Manual	Manual
TITAN™ + positioning belt	EN 361, EN 358	1011893	unique	•			•	Polyester			Manual	Manual
TITAN™ + positioning belt	EN 361, EN 358	1011894	unique	•	•		•	Polyester			Manual	Manual
ROPAX RANGE												
Ropax Dualtech	EN 361, EN 358, EN 813	1015110	S/M	•	•	•	•	Dualtech	Manual	Manual	Automatic	
		1015111	L/XL	•	•	•	•	Dualtech	Manual	Manual	Automatic	
Ropax - Quick connect buckle	EN 361, EN 358, EN 813	1014432	S/M	•	•	•	•	Black polyester	Manual	Manual	Automatic	
		1014433	L/XL	•	•	•	•	Black polyester	Manual	Manual	Automatic	
Ropax manual buckle	EN 361, EN 358, EN 813	1014434	S/M	•	•	•	•	Black polyester	Manual	Manual	Manual	
		1014435	L/XL	•	•	•	•	Black polyester	Manual	Manual	Manual	
ATEX CERTIFIED												
Antistatic ATEX	EN 361, ATEX 94/9/CE	1015074	S/M	•	•			Polyester Antistatic	Manual		Automatic	Automatic
		1015075	L/XL	•	•			Polyester Antistatic	Manual		Automatic	Automatic
		1030510	XXL	•	•			Polyester Antistatic	Manual		Automatic	Automatic
KEVLAR - FLAMED RESISTANT												
Kevlar	EN 361	1012333	S/M	•				Nomex	-		Manual	Manual
		1012334	L/XL	•				Nomex	-		Manual	Manual
		1012335	XXL	•				Nomex	-		Manual	Manual
Kevlar + adjustable shoulder strap	EN 361	1012336	S/M	•				Nomex	Manual		Manual	Manual
		1012337	L/XL	•				Nomex	Manual		Manual	Manual
		1012338	XXL	•				Nomex	Manual		Manual	Manual
TECHNICAL HARNESS												
Elastokuik comfort	EN 361, EN 358	1003023	S	•	•		•	Polyamide	Manual	Automatic	Automatic	Automatic
		1003022	M/L	•	•		•	Polyamide	Manual	Automatic	Automatic	Automatic
		1003024	XL	•	•		•	Polyamide	Manual	Automatic	Automatic	Automatic
Miller R'TST	EN 361, EN 358	1003018/R	S	•	•		•	Polyamide	CAM	Automatic	Automatic	
		1003017/R	M/L	•	•		•	Polyamide	CAM	Automatic	Automatic	
Elastotrans	EN 361, EN 358	1003028	M/L	•	•		•	Polyamide	Manual	Automatic	Automatic	
		1003029	S	•	•		•	Polyamide	Manual	Automatic	Automatic	
		1003030	XL	•	•		•	Polyamide	Manual	Automatic	Automatic	
RM	EN 361, EN 358	1003438	S	•	•	•	•	Polyamide	Manual	Automatic	Automatic	
		1003439	M/L	•	•	•	•	Polyamide	Manual	Automatic	Automatic	
Tower	EN 361, EN 358, EN813	1006255	M	•	•	•	•	Polyester	Manual	Manual	Manual	
IBEX-2R (black)	EN 361, EN 358, EN 813	1010269	M/L	•	•	•	•	Polyester	Manual	Manual	Manual	Manual
IBEX-2R	EN 361, EN 358, EN 813	1007021	M/L	•	•	•	•	Polyester	Manual	Manual	Manual	Manual
		1007022	M/L	•	•	•	•	Polyester	Manual	Manual	Manual	Manual
		1007386	S	•	•	•	•	Polyester	Manual	Manual	Manual	Manual
		1007387	XL	•	•	•	•	Polyester	Manual	Manual	Manual	Manual
RAM sit Harness	EN 813	1007025	M/L			•		Polyester		Manual	Manual	
		1007390	S			•		Polyester		Manual	Manual	
		1007391	XL			•		Polyester		Manual	Manual	
RAM sit Harness (black)	EN 813	1010251	S			•		Polyester		Manual	Manual	
		1010252	M/L			•		Polyester		Manual	Manual	
		1010253	XL			•		Polyester		Manual	Manual	



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MILLER SELF RETRACTING LIFELINES FEATURES

SWIVEL

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



WEBBING

Lightweight and high abrasion resistance.



FALL INDICATOR

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



EDGE TESTED

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



Edge tested

ENERGY ABSORBER

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



SCAFF HOOK

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



CABLE GALVANISED OR STAINLESS STEEL

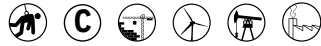
Cable and karabiners are treated to prevent from corrosion and rusting and extend service life.





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

FALCON™ BLOCK



The safest, most robust and comprehensive range of composite retractable lifelines on the market. 6.2m to 20m - Cable self-retracting lifeline.

FEATURES & BENEFITS

Benefits: Increase durability

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

Features: Easy adjustment

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



Ref.	Cable Length Meters	Cable	Connectors				Weight KG	Dimensions mm
			Top		Bottom	Snap hook with Fall indicator		
			Karabiner	Swivel	Swivel			
10 117 28	6.2	Galvanised	•	•	•	Steel	4	255 x 213 x 101
10 117 42	10	Galvanised	•	•	•	Steel	5	255 x 213 x 101
10 117 46	15	Galvanised	•	•	•	Steel	6.7	342 x 246 x 101
10 117 50	20	Galvanised	•	•	•	Steel	7.6	342 x 246 x 101
10 117 29	6.2	Stainless steel	•	•	•	Steel	4	255 x 213 x 101
10 117 43	10	Stainless steel	•	•	•	Steel	5	255 x 213 x 101
10 117 47	15	Stainless steel	•	•	•	Steel	6.7	342 x 246 x 101
10 117 51	20	Stainless steel	•	•	•	Steel	7.6	342 x 246 x 101
10 139 60	6.2	Stainless steel			•	Stainless steel	4	255 x 213 x 101
10 122 61	10	Stainless steel			•	Stainless steel	5	255 x 213 x 101
10 122 62	15	Stainless steel			•	Stainless steel	6.7	342 x 246 x 101
10 122 63	20	Stainless steel			•	Stainless steel	7.6	342 x 246 x 101
Atex								
10 179 21	10	Stainless steel	•		•	•	5	255 x 213 x 101
Offshore kit								
10 302 22	20	Stainless steel	•	•	•	Stainless steel	7.6	342 x 246 x 101
+ red protective bag								

+ red protective bag

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

Conforms to EN 360

* When used with the appropriate manufacturer recommended equipment.

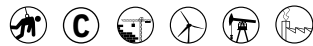
** The CE standard requires inspection by a trained competent person, following the Miller Repair Guide.

*** When used under typical working conditions.





BLACK RHINO™ BLOCK



Designed to endure the daily rigours of harsh environments.

2.7m – stainless steel cable lifeline.

FEATURES & BENEFITS

Benefits:

- The smallest and lightest 2.7-metre cable lifeline on the market
- No annual factory re-certification required* – lowers cost of ownership and increases productivity.
- Corrosion resistant components.
- Meets all applicable global industry standards.

Features: High resistant components

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

Ref.	Description
10 124 10	Black Rhino with swivel screwgate karabiner and swivel snap hook (22mm)
10 123 92	Black Rhino with swivel scaffold hook(65mm) and swivel snap hook (22mm)

* The CE standard requires inspection by a trained end-user competent person, following the Miller Repair Guide.

Conforms to EN 360

MIGHTYLITE™ BLOCK



Heavy-duty blocks for harsh conditions and tough environment.

6.2m to 40m – Cable self retracting lifeline.

FEATURES & BENEFITS

Benefit: For harsh conditions and tough environment:

- Heavy-duty performance from a compact and easy-to-use block.

Features: Lightweight composite blocks with heavy-duty fall arrest

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

Ref.	Mightylite Steel Housing			Cable			Handle
				Stainless Steel	Galvanised	Webbing	
	Model	Length (M)	Weight (Kg)	Ø 4.8Mm	Ø 4.8Mm	25Mm	
10 045 92	MI55	15	9.5	•			•
10 045 93	MI56	20	14.9	•			•
10 045 94	MI57	30	19	•			•
10 045 95	MI58	40	23.6	•			•
10 028 20	MI50	6.2	4		•		
10 045 71	MI54	10	5.6		•		
10 045 73	MI55	15	9.5		•		•
10 045 72	MI56	20	14.9		•		•
10 045 74	MI57	30	19		•		•
10 045 75	MI58	40	23.6		•		•
10 028 27	MI70	6.2	3.5			•	
10 028 28	MI71	15.5	9.4			•	

MIGHTEVAC® RESCUE BLOCK



Designed to endure the daily rigours of harsh environments.

2.7m – Stainless steel cable lifeline.

FEATURES & BENEFITS

Benefits: Heavy duty performance

- Easy-to-use.
- Used in conjunction with the Miller Tripod and dedicated brackets to form the core of a stable and secure confined entry/rescue system.
- Conforms to EN 360 and EN 1496.





MILLER TURBOLIT™ EDGE SELF-RETRACTING LIFELINE NEW

The Miller TurboLite edge is a lightweight and highly durable 2m edge-tested web self-retracting lifeline. It is certified at 140kgs and approved for foot level attachment.

FEATURES & BENEFITS

Benefits:

- Increased freedom of movement.
- Comfort at work.
- Reduced fall arrest distance, especially important when little vertical clearance is available.

Features:

- A twist-lock top karabiner for easy attachment to harness back D-ring.
- A swivel between housing and absorber to follow movements in all directions.
- A unique power spring mechanism inside housing for smooth sliding of lifeline.
- Integrated fall indicator.
- Unique aluminium karabiner with integrated swivel avoids twist effect of the webbing which optimises webbing retractability (less risk of blocking), without adding length (no separate swivel).
- Very quick locking mechanism.

Four combinations of connectors

Ref.	Anchorage connection	Harness connection	
10 334 64	Scaff hook 60mm with integrated swivel	Twistlock Alu	
10 334 65	Twistlock Alu with integrated swivel	Twistlock Alu	
10 334 66	Scaff hook GO60 60mm with integrated swivel	Twistlock Alu	
10 334 67	—	—	

Certified to the requirements of EN 360: 2002 - VG11.085 (FF2) + VG11.060 (Edge tested) 140kg certified (VG11.062)



SCORPION™ EDGE BLOCK



Inexpensive alternative for single energy absorbing lanyard.

2.7m – Edge tested retractable webbing lifeline.

FEATURES & BENEFITS

Benefits:

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

Features:

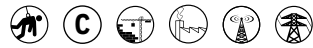
- Extremely robust and lightweight.
- Quick-activating braking mechanism limits a free fall to centimetres.
- Visual fall indicator – indicates the unit must be removed from service.
- Corrosion-resistant internal parts.
- High impact polymer cover.
- Stainless steel/aluminium components.
- Swivel at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



Ref.	Anchorage connector		Harness connector
10 168 40	Steel screwgate karabiner		Steel snap hook
10 168 41	Scaffold hook, (opening 63 mm)		Aluminium screwgate karabiner
10 168 42	Steel scaffold hook, (opening 55 mm)		Steel snap hook



TURBOLITE™ BLOCK



Best alternative to shock-absorbing lanyards used in Factor 2.

2m – Self retracting webbing lifeline.

FEATURES & BENEFITS

Benefits:

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

Features:

- Built-in web fall indicator identifies when to remove from service.
- Quick activating patent pending braking system.
- Provides 2m working capacity lifeline.
- Engineered webbing (vectran/polyester webbing) for greater abrasion resistance and long service life.
- Built-in swivel prevents lifeline from twisting during use.
- High-strength, impact-resistant nylon housing for maximum durability.



Ref.	Webbing side	Block side
10 180 15	Twistlock	Twistlock
10 180 13	Scaff hook (65mm)	Twistlock
10 180 14	Twistlock	Scaff hook (65mm)
10 179 00	Snap hook (21mm)	Twistlock (21mm)

Conforms to EN 360.

*The CE standard requires inspection by a trained competent person, following the Miller Repair Guide.

TWIN TURBO™ SYSTEM



An effective solution when working with low fall clearance

FEATURES & BENEFITS

Benefits:

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

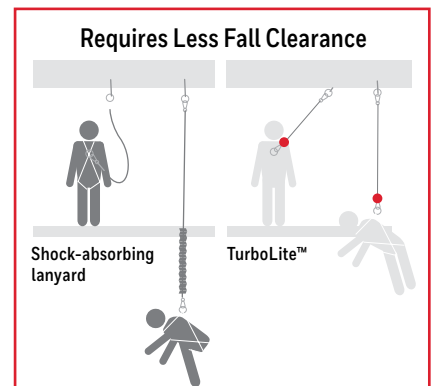
Features:

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

Conforms to EN360 & EN362



Ref.	Description
10 297 15	Twin Turbo bracket
10 297 16	Twin Turbo bracket & two TurboLite 1018013 with 2 aluminium scaff hook





FALCON™ BLOCK



6m-Self retracting webbing lifeline

FEATURES & BENEFITS

Benefits:

- Nylon casing comes with a lifetime guarantee.
- Best length/weight ratio on the market (6m unit weighs only 1.5kg).

Ref.	Anchorage connection	Harness connection
10 167 93	Swivel	-
10 167 94	Scaff hook alu (65mm)	Screwgate alu
10 167 95	Screwgate alu	Screwgate alu
10 167 96	Screwgate alu	Snap hook alu 22mm)

Conforms to EN 360

An annual inspection by a Miller Service Point (MSP) or the factory is mandatory. At the time of examination, the device must be opened and subjected to a complete inspection.

Features:

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



FALCON™ BLOCK WITH FALL INDICATOR

FEATURES & BENEFITS

Benefits:

- Stops the fall within a few centimeters (within 0.85 m).
- In case of a fall, the fall indicator deploys and the warning label appears*.
- No annual re-certification **.

Features:

- Quick activation.
- Fall indicator.
- Visual, tactile and functional inspection.

Ref.	Anchorage connection	Harness connection
10 311 40	Aluminium twist lock Karabiner	Aluminium twist lock Karabiner

* A self retracting lifeline that has arrested a person's fall from height must not be used again until a competent person has agreed on its further use. The product must be returned to the manufacturer or a Miller Service Point (MSP) together with the instruction manual (including the annual inspection data) for inspection and recertification.

** A check sheet has been developed and is available to all persons responsible for periodic examination. However the webbing must be replaced every 5 years, just as for the other webbing retractable devices.





AVIABLOC



1.5m and 2.5m – Retractable polyamide webbing lifeline

FEATURES & BENEFITS

Benefits:

- Working capacity of 2.5m maximum.
- Reduces the impact force of a fall.
- Integrated shock-absorber.
- Swivel at the harness connexion side to avoid twisting of the webbing.

Ref. Housing	Length	Anchorage Connection	Harness Connection
10 030 59	1.5m	Sgk*	Sgk*
10 028 71	2.5m	Sgk*	Sgk*
10 108 93	2.5m	Snap hook	Sgk*
10 083 32	2.5m	-	-

Ref. Housing	Length	Anchorage Connection	Harness Connection
10 083 31	2.5m	Sgk*	Sgk*
10 083 30	2.5m	-	Sgk*

Conforms to EN 360

*Sgk: Screw Gate Karabiner



Ref. 10 030 59
Ref. 10 028 71

Ref. 10 083 31

SCORPION™ BLOCK



Affordable alternative to shock-absorbing lanyards requiring reduced fall clearance.

2.7m - 2.8m – Self retracting webbing lifeline.

FEATURES & BENEFITS

Benefits: Reduced fall arrest forces

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

Features: Greater mobility and prevents tripping hazards

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

Ref.	Length	Anchorage connection	Harness connection
10 085 88	2.8m	Snap hook (18mm)	Scaff hook (50mm)+swivel
10 085 87	2.7m	Snap hook (22mm)+swivel	CS20 screw steel karabiner (17mm)
10 085 94	2.8m	Scaff hook (50mm)+swivel	CS20 screw steel karabiner (17mm)+swivel
10 085 93	2.7m	Scaff hook (50mm)+swivel	Snap hook
10 106 30	2.5m	Alu screw karabiner	Alu screw karabiner+swivel

*The CE standard requires inspection by a trained competent person, following the Miller Repair Guide.

Conforms to EN 360





Connecting Devices

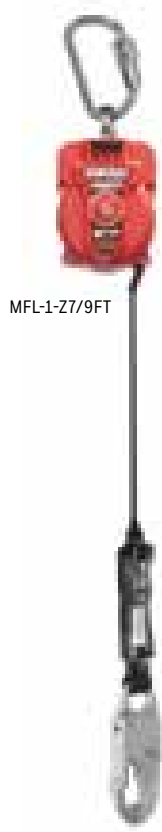
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MILLER TURBOLITE™ PERSONAL FALL LIMITERS

The cost-effective and competitive pricing of the Miller TurboLite Personal Fall Limiters will make shock-absorbing lanyards obsolete on the job site. Workers will no longer need to “switch-out” equipment to maintain a safe fall distance.

- First affordable alternative to shock-absorbing lanyards
- Extremely compact and lightweight
- Available in 6-ft. (1.8 m) and 9-ft. (2.7 m) working lengths
- Unit attaches directly to the harness back D-ring for greater mobility and versatility
- Engineered webbing for greater abrasion resistance and longer service life
- High-strength, impact-resistant nylon housing for maximum durability
- Built-in swivel prevents lifeline from twisting
- Rated for up to a 400-lb. (181.4 kg) worker
- No annual factory recertification required



MFL-1-Z7/6FT



MFL-1-Z7/6FT

SKU	Unit Connector	Lanyard End Connector	Weight
6-ft. Models			
MFL-1-Z7/6FT	Steel Carabiner	Steel Locking Snap Hook	2.5 lbs. (1.1 kg)
MFL-2-Z7/6FT	Steel Carabiner	Steel Locking Rebar Hook	3.4 lbs. (1.5 kg)
MFL-3-Z7/6FT	No unit connector	Steel Locking Snap Hook	2.0 lbs. (0.9 kg)
MFL-4-Z7/6FT	No unit connector	Steel Locking Rebar Hook	2.9 lbs. (1.3 kg)
MFL-5-Z7/6FT	No unit connector	Steel Locking Swivel Snap Hook	2.1 lbs. (1.0 kg)
MFL-6-Z7/6FT	No unit connector	Steel Locking Swivel Rebar Hook	2.7 lbs. (1.2 kg)
MFL-7/6FT	D-Ring Swivel Hook	Steel Locking Snap Hook	2.3 lbs. (1.0 kg)
MFL-8/6FT	D-Ring Swivel Hook	Steel Locking Rebar Hook	3.0 lbs. (1.4 kg)
MFL-9-Z7/6FT	Steel Locking Snap Hook	Steel Locking Snap Hook	2.7 lbs. (1.2 kg)
MFL-10-Z7/6FT	Steel Locking Snap Hook	Steel Locking Rebar Hook	3.6 lbs. (1.6 kg)
MFL-11-Z7/6FT	Aluminum Carabiner	Aluminum Locking Snap Hook	1.9 lbs. (0.86 kg)
MFL-12-Z7/6FT	Aluminum Carabiner	Aluminum Locking Rebar Hook	2.6 lbs. (1.2 kg)
MFL-14-Z7/6FT	Aluminum Locking Snap Hook	Aluminum Locking Snap Hook	2.5 lbs. (1.1 kg)
MFL-15-Z7/6FT	Aluminum Locking Snap Hook	Aluminum Locking Rebar Hook	3.3 lbs. (1.5 kg)
MFL-16-Z7/6FT	No unit connector	Aluminum Locking Snap Hook	1.9 lbs. (0.86 kg)
MFL-17-Z7/6FT	No unit connector	Aluminum Locking Rebar Hook	2.8 lbs. (1.3 kg)
9-ft. Models			
MFL-1-Z7/9FT	Steel Carabiner	Steel Locking Snap Hook	2.9 lbs. (1.3 kg)
MFL-3-Z7/9FT	No unit connector	Steel Locking Snap Hook	2.4 lbs. (1.1 kg)
MFL-5-Z7/9FT	No unit connector	Steel Locking Swivel Snap Hook	2.6 lbs. (1.2 kg)
MFL-9-Z7/9FT	Steel Locking Snap Hook	Steel Locking Snap Hook	3.1 lbs. (1.4 kg)
MFL-11-Z7/9FT	Aluminum Carabiner	Aluminum Locking Snap Hook	2.5 lbs. (1.1 kg)
MFL-12-Z7/9FT	Aluminum Carabiner	Aluminum Locking Rebar Hook	3.4 lbs. (1.5 kg)
MFL-14-Z7/9FT	Aluminum Locking Snap Hook	Aluminum Locking Snap Hook	2.8 lbs. (1.3 kg)
MFL-15-Z7/9FT	Aluminum Locking Snap Hook	Aluminum Locking Rebar Hook	3.6 lbs. (1.6 kg)
MFL-16-Z7/9FT	No unit connector	Aluminum Locking Snap Hook	2.3 lbs. (1.0 kg)
MFL-17-Z7/9FT	No unit connector	Aluminum Locking Rebar Hook	3.1 lbs. (1.4 kg)

Note: Locking snap hook – 3/4-in. (19 mm) gate opening. Locking rebar hook – 2-1/2-in. (63 mm) gate opening. All connectors include 3,600-lb. gate-strength



Steel Carabiner



Steel Locking Swivel Snap Hook



D-Ring Swivel Hook



Steel Locking Rebar Hook



Aluminum Carabiner



Steel Locking Snap Hook



Without Unit Connector



Aluminum Locking Snap Hook



Aluminum Rebar Hook



Steel Locking Swivel Rebar Hook



MILLER TURBO T-BAK™ PERSONAL FALL LIMITERS

The first and only retractable designed to tie-back anywhere along the lifeline.

- All-in-one, self-retracting lifeline/anchorage connector design reduces equipment required on the job site
- 7.5-ft. (2.3 m) Working Length
- Includes Miller 5K® Locking Snap Hook designed specifically for tie-back use
- Rated for up to a 400-lb. (181.4 kg) user
- Cost-effective alternative to tie-back, shock-absorbing lanyards
- Designed for anchoring below a user's harness back D-ring for greater safety
- Integrated shock absorber especially designed for tie-back applications with load indicator device
- Meets requirements for ANSI Z359.14 that states only 24-inches (.61m) or less of lifeline extends out of the housing when the unit is fully retracted

SKU	Description and Unit Connector	Weight
Miller Turbo T-BAK™ Personal Fall Limiter		
MFLT-1/7.5FT	Turbo T-BAK without unit connector	2.6 lbs. (1.2 kg)
MFLT-2/7.5FT	Turbo T-BAK with steel carabiner	3.2 lbs. (1.5 kg)
MFLT-3/7.5FT	Turbo T-BAK with lightweight, aluminum carabiner	2.8 lbs. (1.3 kg)
MFLT-5/7.5FT	Turbo T-BAK with steel locking snap hook with 3/4-in. gate opening	3.3 lbs. (1.5 kg)



MFLT-1/7.5FT

Miller Twin Turbo T-BAK™ Fall Protection System

MFLTC-1/7.5FT	Twin Turbo G2 Connector with two (2) MFLT-1/7.5FT Turbo T-BAK units	5.7 lbs. (2.6 kg)
MFLTB-1/7.5FT	Twin Turbo D-ring Connector with two (2) MFLT-1/7.5FT Turbo T-BAK units	6.1 lbs. (2.8 kg)

Note: All connectors include 3,600-lb. gate-strength

MILLER TWIN TURBOTM FALL PROTECTION SYSTEM WITH G2 CONNECTOR

New patent-pending Miller Twin Turbo™ G2 Connector easily adapts two (2) lightweight Miller TurboLite™ Personal Fall Limiters for continuous 100% tie-off fall protection.

- Better alternative to double-leg lanyards – Reduces fall clearance requirements for use in more applications
- Ultimate Mobility – PFLs swivel independently to prevent webbing from twisting and binding in the unit
- Lightest-weight Twin Connector on the market – Increases productivity by reducing worker fatigue
- Superior durability – Corrosion resistant aluminum connector and high-impact nylon result in a longer product life
- Superior safety – Webbing Retainer Clip rotates freely to prevent unintentional opening of carabiner gate
- D-Pad Clip – Maintains harness adjustment while working by keeping the harness webbing and D-Pad in place
- Connects to harness webbing below D-ring – Frees harness D-ring for rescue and connection to an overhead SRL
- Webbing Retainer Clip accommodates thicker webbing designs for more versatility and easy insertion of the webbing

SKU	Unit Connector	Lanyard End Connector	Weight
6-ft. Systems			
MFLC-3-Z7/6FT	Twin Turbo G2 Connector	Steel Locking Snap Hooks	4.6 lbs. (2.1 kg)
MFLC-4-Z7/6FT	Twin Turbo G2 Connector	Steel Locking Rebar Hooks	6.6 lbs. (2.9 kg)
MFLC-11-Z7/6FT	Twin Turbo G2 Connector	Aluminum Locking Snap Hooks	4.2 lbs. (1.9 kg)
MFLC-12-Z7/6FT	Twin Turbo G2 Connector	Aluminum Locking Rebar Hooks	5.8 lbs. (2.6 kg)

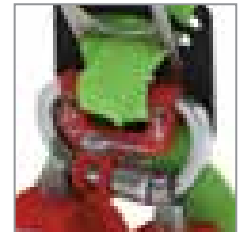
9-ft. Systems

MFLC-3-Z7/9FT	Twin Turbo G2 Connector	Steel Locking Snap Hooks	5.2 lbs. (2.4 kg)
MFLC-11-Z7/9FT	Twin Turbo G2 Connector	Aluminum Locking Snap Hooks	4.9 lbs. (2.2 kg)
MFLC-12-Z7/9FT	Twin Turbo G2 Connector	Aluminum Locking Rebar Hooks	6.6 lbs. (2.9 kg)

SKU	Unit Connector	Weight
Twin Turbo G2 Connector and Components		
MFLC/	Twin Turbo G2 Connector Kit – includes MFLC-1/, MFLC-2/, and MFLC-3/	0.37 lbs. (0.17 kg)
MFLC-1/	Aluminum Carabiner	0.29 lbs. (0.13 kg)
MFLC-2/	G2 Webbing Retainer Clip	0.04 lbs. (0.02 kg)
MFLC-3/	G2 D-Pad Connector Clip	0.04 lbs. (0.02 kg)

Note: All connectors include 3,600-lb. gate-strength

All Miller brand fall protection products meet applicable OSHA, ANSI and CSA requirements.



MFLC/



MFLC-12-Z7/9FT



MILLER TWIN TURBO™ FALL PROTECTION SYSTEMS WITH D-RING CONNECTOR

The new patent-pending Miller Twin Turbo D-Ring Connector easily adapts two (2) lightweight Miller TurboLite Personal Fall Limiters (PFLs) for continuous 100% tie-off fall protection.

- Replacement for double-legged shock-absorbing lanyards
- Innovative design that easily connects to the back D-ring of most fall protection harnesses with non-coated metallic back D-rings
- Increases worker productivity and versatility with freedom of movement - less restrictive than other units on the market
- Permits TurboLite PFLs to swivel in multiple directions for greater mobility; the swivel action prevents webbing from twisting and binding inside the unit
- An effective solution when working with low fall clearance
- Easy-to-use and assemble/disassemble
- Adapts to most Miller TurboLite PFL models

MFLB/



MFLB-4-Z7/6FT



SKU	Unit Connector	Lanyard End Connector	Weight
6-ft. Systems			
MFLB-3-Z7/6FT	Twin Turbo D-Ring Connector	Steel Locking Snap Hooks	4.9 lb. (2.2 kg)
MFLB-4-Z7/6FT	Twin Turbo D-Ring Connector	Steel Locking rebar Hooks	6.7 lb. (3.0 kg)
MFLB-11-Z7/6FT	Twin Turbo D-Ring Connector	Aluminum Locking Snap Hooks	4.2 lb. (1.9 kg)
MFLB-12-Z7/6FT	Twin Turbo D-Ring Connector	Aluminum Locking Rebar Hooks	5.6 lb. (2.5 kg)
9-ft. Systems			
MFLB-3-Z7/9FT	Twin Turbo D-Ring Connector	Steel Locking Snap Hooks	5.6 lb. (2.5 kg)
MFLB-11-Z7/9FT	Twin Turbo D-Ring Connector	Aluminum Locking Snap Hooks	5.3 lb. (2.4 kg)
MFLB-12-Z7/9FT	Twin Turbo D-Ring Connector	Aluminum Locking Rebar Hooks	7.0 lb. (3.2 kg)
Twin Turbo D-Ring Connector and Components			
MFLB/	Twin Turbo System D-Ring Connector	-	12.7 oz. (360 g)
MFLB-PARTS/	D-Ring Connector Parts Kit; Slide Lock Bolt (1), PFL Spacer (2), PFL Retainer Pin (2)	-	-

Note: Locking snap hook – 3/4-in. (19 mm) gate opening. Locking rebar hook – 2-1/2-in. (64 mm) gate opening. All connectors include 3,600-lb. gate-strength

MILLER SCORPION™ PERSONAL FALL LIMITERS

- Greater versatility through dual operation:
 - Attach directly to the harness D-ring for use as a personal fall limiter or,
 - Use as a traditional retractable lifeline
- Quick-activating, high-strength stainless steel braking system
- 9-ft. (2.7 m) of working capacity
- Small, lightweight design
- Variety of integral anchorage connectors available
- No annual factory recertification required
- Rated for up to a 310-lb. (140.6 kg) user
- 400-lbs. (181.4 kg) capacity models available upon request
- Visual load indicator indicates when the unit must be removed from service



PFL-4-Z7/9FT

SKU	Unit Connector	Lanyard End Connector	Weight
PFL-1-Z7/9FT	No unit connector	Steel Locking Snap Hook	2.9 lbs. (1.3 kg)
PFL-2-Z7/9FT	Steel Carabiner	Steel Locking Snap Hook	3.8 lbs. (1.7 kg)
PFL-3-Z7/9FT	Stainless Steel Swivel Shackle	Steel Locking snap hook	3.1 lbs. (1.4 kg)
PFL-4-Z7/9FT	Steel Carabiner & Swivel Shackle	Steel Locking Snap Hook	4.0 lbs. (1.8 kg)



SKU	Unit Connector	Lanyard End Connector	Weight
PFL-5/9FT	D-Ring Swivel Hook	Steel Locking Snap Hook	3.3 lbs. (1.5 kg)
PFL-6-Z7/9FT	Steel Locking Rebar Hook & Swivel Shackle	Steel Locking Snap Hook	4.7 lbs. (2.1 kg)
PFL-7-Z7/9FT	Steel Locking Snap Hook & Swivel Shackle	Steel Locking Snap Hook	4.1 lbs. (1.9 kg)
PFL-8/9FT	Captive Eye Carabiner	Steel Locking Snap Hook	3.5 lbs. (1.6 kg)
PFL-9-Z7/9FT	Steel Carabiner & Swivel Shackle	Steel Locking rebar hook	4.4 lbs. (2.0 kg)
PFL-10/9FT	D-Ring Swivel Hook	Steel Locking Rebar Hook	4.0 lbs. (1.8 kg)
PFL-11-Z7/9FT	Steel Locking Snap Hook & Swivel Shackle	Steel Locking Rebar Hook	4.4 lbs. (2.0 kg)
PFL-12-Z7/9FT	Steel Carabiner & Swivel Shackle	Steel Locking Swivel Rebar Hook	4.4 lbs. (2.0 kg)
PFL-13/9FT	D-Ring Swivel Hook	Steel Locking Swivel Rebar Hook	4.2 lbs. (1.9 kg)
PFL-14-Z7/9FT	Steel Locking Snap Hook & Swivel Shackle	Steel Locking Swivel Rebar Hook	4.6 lbs. (2.1 kg)
PFL-15-Z7/9FT	No unit connector	Steel Locking Swivel Snap Hook	3.3 lbs. (1.5 kg)
PFL-16-Z7/9FT	Steel Carabiner	Steel Locking Swivel Snap Hook	3.7 lbs. (1.7 kg)
PFL-17/9FT	No unit connector	Web loop for carabiner	2.3 lbs. (1.0 kg)
PFL-18-Z7/9FT	Aluminum Carabiner & Swivel Shackle	Aluminum Locking Snap Hook	3.5 lbs. (1.6 kg)
PFL-19-Z7/9FT	Aluminum Locking Rebar Hook & Swivel Shackle	Aluminum Locking Snap Hook	4.0 lbs. (1.8 kg)
PFL-20-Z7/9FT	Aluminum Locking Snap Hook & Swivel Shackle	Aluminum Locking Snap Hook	3.7 lbs. (1.7 kg)
PFL-21-Z7/9FT	Aluminum Locking Snap Hook & Swivel Shackle	Aluminum Locking Rebar Hook	4.1 lbs. (1.9 kg)

Note: Locking Snap Hook – 3/4-in. (19 mm) gate opening Locking Rebar Hook – 2-1/2-in. (64 mm) gate opening. All connectors include 3,600-lb. gate-strength

MILLER BLACK RHINO™ SELF-RETRACTING LIFELINES

Miller Black Rhino Self-Retracting Lifelines are designed with stainless steel wire rope to endure the daily rigors of harsh environments. Ideal for concrete construction, welding, steel erection, food processing and warehouse applications.

- Quick-activating, high-strength stainless steel braking system – arrests free falls, providing a quick, safe rescue
- Variety of integral anchorage connectors available
- Rated for up to a 310-lb. (140.6 kg) worker
- Integral load indicator – indicates when the unit must be removed from service and returned for repair
- Extended service life – corrosion-resistant stainless steel and aluminum components
- Integral internal shock absorber – consistently reduces fall forces

SKU	Unit Connector	Lanyard End Connector	Weight
CFL-1 -Z7/9FT	No Unit Connector	Steel Locking Swivel Snap Hook with load indicator	4.3 lbs. (1.9 kg)
CFL-2-Z7/9FT	Steel Twist-Lock Carabiner	Steel Locking Swivel Snap Hook with load indicator	4.8 lbs. (2.2 kg)
CFL-3 -Z7/9FT	Stainless Steel Swivel	Steel Locking Swivel Snap Hook with load indicator	4.5 lbs. (2.0 kg)
CFL-4-Z7/9FT	Stainless Steel Swivel & Steel Twist-Lock Carabiner	Steel Locking Swivel Snap Hook with load indicator	5.0 lbs. (2.3 kg)
CFL-5-Z7/9FT	Stainless Steel Swivel & Steel Locking Rebar Hook	Steel Locking Swivel Snap Hook with load indicator	5.7 lbs. (2.6 kg)
CFL-6 -Z7/9FT	Stainless Steel Swivel & Steel Twist-Lock Carabiner	Steel Locking Rebar Hook	5.15 lbs. (2.35 kg)

Note: Locking Snap Hook – 3/4-in. (19 mm) gate opening; Locking Rebar Hook – 2-1/2-in. (64 mm) gate opening.

All connectors include 3,600-lb. gate-strength



CFL-1-Z7/9FT



MILLER RETRACTABLE WEB LANYARDS

Designed for limited-range applications, the Miller Retractable Web Lanyard is lightweight and dependable. Ideal for order picker and warehouse applications

SKU	Description and Unit Connector	Weight
8327-Z7/10FTYL	10-ft. (3 m) of polyester webbing, complete with a top-swivel shackle, steel carabiner and an aluminum snap hook	3.7 lb. (1.7 kg)
8327A-Z7/10FTYL	10-ft. (3 m) of polyester webbing, with a top-swivel shackle unit connector and aluminum locking snap hook	3.7 lb. (1.7 kg)
8327A-Z7/10FTYL	8-ft. (2.4 m) of polyester webbing, with a top-swivel shackle and steel carabiner on anchorage and lanyard ends	3.7 lb. (1.7 kg)

Note: All connectors include 3,600-lb. gate-strength

8327A-Z7/10FTYL



MILLER MINILITE® FALL LIMITERS

The Miller MiniLite Fall Limiter is an 11-ft. (3.4 m) self-retracting web lanyard with a quick-activating braking system that limits free falls. In contrast to shock-absorbing lanyards, a fall limiter eliminates the need for extended fall clearance, minimizing the risk of injuries and making rescue easier.

- Lightweight, compact design
- Offers up to 11-ft. (3.4 m) of working capacity
- Quick-activating, high-strength stainless steel braking system
- Corrosion-resistant interior, frame and components
- No annual factory recertification required
- High-impact protective outer cover; visual load indicator
- Available with a variety of integral anchorage connectors
- Rated for up to a 310-lbs. (140.6 kg) user

SKU	Unit Connector	Lanyard End Connector	Weight
FL11-Z7/11FT	No unit connector	Steel Locking Snap Hook	3.0 lbs. (1.4 kg)
FL11-0-Z7/11FT	No unit connector	Steel Locking Swivel Snap Hook	2.7 lbs. (1.2 kg)
FL11-1-Z7/11FT	Steel Carabiner	Steel Locking Snap Hook	3.5 lbs. (1.6 kg)
FL11-2-Z7/11FT	Stainless Steel Swivel Shackle	Steel Locking Snap Hook	2.6 lbs. (1.2 kg)
FL11-3-Z7/11FT	Steel Carabiner & Swivel Shackle	Steel Locking Snap Hook	2.8 lbs. (1.3 kg)
FL11-4-Z7/11FT	Attached 3-ft. (1 m) cross-arm strap	Steel Locking Snap Hook	2.6 lbs. (1.2 kg)
FL11-5-Z7/11FT	Steel Locking Rebar Hook	Steel Locking Snap Hook	3.2 lbs. (1.5 kg)
FL11-6-Z7/11FT	Steel Locking Rebar Hook & Swivel Shackle	Steel Locking Snap Hook	3.2 lbs. (1.5 kg)
FL11-7-Z7/11FT	Steel Locking Snap Hook	Steel Locking Snap Hook	3.7 lbs. (1.7 kg)
FL11-8-Z7/11FT	Steel Locking Snap Hook & Swivel Shackle	Steel Locking Snap Hook	3.8 lbs. (1.7 kg)
FL11-9/11FT	No unit connector	Small Web Loop	2.6 lbs. (1.2 kg)
FL11-10/11FT	Swivel Shackle	Small Web Loop	2.3 lbs. (1.0 kg)
FL11-11-Z7/11FT	Steel Locking Snap Hook & Swivel Shackle	Steel Locking Rebar Hook	4.8 lbs. (2.2 kg)
FL11-12-Z7/11FT	Attached Captive-Eye Carabiner	Steel Locking Snap Hook	3.4 lbs. (1.5 kg)
FL11-13-Z7/11FT	No unit connector	Aluminum Locking Snap Hook	2.8 lbs. (1.3 kg)
FL11-14-Z7/11FT	Aluminum Carabiner & Swivel Shackle	Aluminum Locking Snap Hook	2.4 lbs. (1.1 kg)
FL11-15-Z7/11FT	Aluminum Locking Rebar Hook & Swivel Shackle	Aluminum Locking Snap Hook	2.7 lbs. (1.2 kg)
FL11-16-Z7/11FT	Aluminum Locking Snap Hook & Swivel Shackle	Aluminum Locking Snap Hook	3.4 lbs. (1.5 kg)

Note: Locking Snap Hook – 3/4-in. (19 mm) gate opening; Locking Rebar Hook – 2-1/2-in. (64 mm) gate opening.

All connectors include 3,600-lb. gate-strength

FL11-1-Z7/11FT





MILLER CAB MOUNT BRACKETS AND KITS

Cab Mount Brackets are designed for use with the Miller MiniLite, Miller Scorpion, Miller Black Rhino and Miller TurboLite self-retracting lifeline products.

- Designed to fit a wide range of lift trucks
- Quick and easy installation
- Non-protruding mount
- Heavy-duty steel construction

SKU	Description
CMB/	Bracket only (accommodates Miller MiniLite FL11-0-Z7/11FT, Miller Scorpion PFL-15-Z7/9FT, Miller Black Rhino CFL-1-Z7/9FT)
FL11CMK-Z7/	Lift Truck Kit (w/Miller MiniLite FL11-0-Z7/11FT & bracket)
PFLCMK-Z7/	Lift Truck Kit (w/Miller Scorpion PFL-15-Z7/9FT & bracket)
CFLCMK-Z7/	Lift Truck Kit (w/Miller Black Rhino CFL-1-Z7/9FT & bracket)

Note: Locking Snap Hook - 3/4-in. (19 mm) gate opening. All connectors include 3,600-lb. gate-strength



FL11CMK-Z7/
Miller MiniLite
FL11-0-Z7/11FT and
bracket



PFLCMK-Z7/
Miller Scorpion
PFL-15-Z7/9FT and
bracket



CFLCMK-Z7/
Miller Black
Rhino CFL-1-Z7/9FT
and bracket

MILLER FALCON™ SELF-RETRACTING LIFELINES

Extremely durable, the high impact-resistant nylon housing withstands the harsh rigors of the toughest applications. The lightest, most rugged line of composite retractables is designed with smooth, round edges to increase durability. Pound for pound the strongest, most durable retractable is available in lengths of 16-ft. (4.9 m), 20-ft. (6 m), 30-ft. (9 m), 50-ft. (15 m) and 65-ft. (20 m).

- Lightest composite unit on the market – easy to handle and transport
- Corrosion-resistant stainless steel and aluminum internal components extend service life and reduce replacement costs
- Unique side payout design reduces wear on the entry guide bushing and cable for smooth operation with less drag
- Built-in, ergonomically-designed molded handle on the 50-ft. (15 m) and 65-ft. (20 m) cable models
- Smooth, quiet operation; engineered spring retraction tension designed not to pull or drag on a worker to improve productivity and reduce fatigue
- Dual swivels (unit top and snap hook) included on all cable models to provide support and leverage when attaching to anchorage connector providing easy installation
- New and improved load indicators identify when the unit needs to be removed from service (cable models – on snap hook, web models – flag on webbing)
- Falcon web SRL models rated for up to 400-lbs. (181.4 kg) worker
- Falcon cable SRL models rated for up to a 310-lb. (140.6 kg) worker



SKU	Description	Weight
Miller Falcon Web Self-retracting Lifelines		
MP16P-Z7/16FT	16-ft. (4.9 m) web lifeline w/stainless steel swivel, steel twist-lock carabiner & steel locking snap hook	4.1 lb. (1.86 kg)
MP20P-Z7/20FT	20-ft. (6 m) web lifeline w/stainless steel swivel, steel twist-lock carabiner & steel locking snap hook	4.2 lb. (1.90 kg)
MP16P-1-Z7/16FT	16-ft. (4.9 m) web lifeline w/stainless steel swivel, aluminum twist-lock carabiner & aluminum locking snap hook	3.5 lb. (1.59 kg)
MP20P-1-Z7/20FT	20-ft. (6 m) web lifeline w/stainless steel swivel, aluminum twist-lock carabiner & aluminum locking snap hook	3.6 lb. (1.63 kg)
Miller Falcon Web Self-retracting Lifelines		
MP20G-Z7/20FT	20-ft. (6 m) galvanized cable (3/16-in. [5 mm]) w/tagline & carabiner	8.9 lb. (4.0 kg)
MP30G-Z7/30FT	30-ft. (9 m) galvanized cable (3/16-in. [5 mm]) w/tagline & carabiner	10.7 lb. (4.9 kg)
MP50G-Z7/50FT	50-ft. (15 m) galvanized cable (3/16-in. [5 mm]) w/tagline & carabiner	14.8 lb. (6.7 kg)
MP65G-Z7/65FT	65-ft. (20 m) galvanized cable (3/16-in. [5 mm]) w/tagline & carabiner	17.1 lb. (7.8 kg)
MP20SS-Z7/20FT	20-ft. (6 m) stainless steel cable (3/16-in. [5 mm]) w/tagline & carabiner	8.9 lb. (4.0 kg)
MP30SS-Z7/30FT	30-ft. (9 m) stainless steel cable (3/16-in. [5 mm]) w/tagline & carabiner	10.7 lb. (4.9 kg)
MP50SS-Z7/50FT	50-ft. (15 m) stainless steel cable (3/16-in. [5 mm]) w/tagline & carabiner	14.8 lb. (6.7 kg)
MP65SS-Z7/65FT	65-ft. (20 m) stainless steel cable (3/16-in. [5 mm]) w/tagline & carabiner	17.1 lb. (7.8 kg)

Note: Locking Snap Hook - 3/4-in. (19 mm) gate opening. All connectors include 3,600-lb. gate-strength

All Miller brand fall protection products meet applicable OSHA, ANSI and CSA requirements.



MILLER MIGHTYLITE™ SELF-RETRACTING LIFELINES

Miller MightyLite Self-Retracting Lifelines (SRLs) are up to 30% lighter than competitive models in their class.

- Durable and dependable, corrosion-resistant stainless steel and aluminum housing extend service life
- Rated for up to a 310-lb. (140.6 kg) worker
- Carabiner and tagline included
- Available in 20-ft. (6 m), 30-ft. (9 m), 50-ft. (15 m), 65-ft. (20 m), 100-ft. (30 m), 130-ft. (40 m) and 175-ft. (53 m) lengths



SKU	Description	Length	Weight
RL20P-Z7/20FT	Polyester webbing (1-in. [25 mm]) w/tagline & carabiner	20-ft. (6 m)	11 lb. (5.0 kg)
RL20G-Z7/20FT	Galvanized cable (3/16-in. [5 mm]) w/tagline & carabiner	20-ft. (6 m)	12 lb. (5.4 kg)
RLS30G-Z7/30FT	Galvanized cable (3/16-in. [5 mm]) w/tagline & carabiner	30-ft. (9 m)	14 lb. (6.4 kg)
RL50G-Z7/50FT	Galvanized cable (3/16-in. [5 mm]) w/tagline & carabiner	50-ft. (15 m)	22 lb. (10.0 kg)
RL50P-Z7/50FT	Polyester webbing (1-in. [25 mm]) w/tagline & carabiner	50-ft. (15 m)	21 lb. (9.5 kg)
RL65G-Z7/65FT	Galvanized cable (3/16-in. [5 mm]) w/tagline & carabiner	65-ft. (20 m)	30 lb. (10.4 kg)
RL100G-Z7/100FT	Galvanized cable (3/16-in. [5 mm]) w/tagline & carabiner	100-ft. (30 m)	53 lb. (24.0 kg)
RL130G-Z7/130FT	Galvanized cable (3/16-in. [5 mm]) w/tagline & carabiner	130-ft. (40 m)	56 lb. (25.4 kg)
RL175G-Z7/175FT	Galvanized cable (3/16-in. [5 mm]) w/tagline & carabiner	175-ft. (53 m)	70 lb. (31.8 kg)
RL20SS-Z7/20FT	Stainless steel cable (3/16-in. [5 mm]) w/tagline & carabiner	20-ft. (6 m)	12 lb. (5.4 kg)
RLS30S-Z7/30FT	Stainless steel cable (3/16-in. [5 mm]) w/tagline & carabiner	30-ft. (9 m)	14 lb. (6.4 kg)
RL50SS-Z7/50FT	Stainless steel cable (3/16-in. [5 mm]) w/tagline & carabiner	50-ft. (15 m)	21 lb. (9.5 kg)
RL65SS-Z7/65FT	Stainless steel cable (3/16-in. [5 mm]) w/tagline & carabiner	65-ft. (20 m)	24 lb. (10.9 kg)
RL100SS-Z7/100FT	Stainless steel cable (3/16-in. [5 mm]) w/tagline & carabiner	100-ft. (30 m)	54 lb. (24.5 kg)
RL130SS-Z7/130FT	Stainless steel cable (3/16-in. [5 mm]) w/tagline & carabiner	130-ft. (40 m)	56 lb. (25.4 kg)
RL175SS-Z7/175FT	Stainless steel cable (3/16-in. [5 mm]) w/tagline & carabiner	175-ft. (53 m)	70 lb. (31.8 kg)

Also available with a stainless steel swivel top and stainless steel swivel snap hook. To order, add an "S" to corresponding model number (Ex: RL20SS-S/20FT).

Note: Locking Snap Hook - 3/4-in. (19 mm) gate opening; Locking Rebar Hook - 2-1/2-in. (64 mm) gate opening. All connectors include 3,600-lb. gate-strength.

MILLER MIGHTYLITE™ LEADING EDGE SELF-RETRACTING LIFELINE

- Engineered for use in leading edge applications or with a traditional overhead anchorage
- Designed to protect a worker if a fall occurs that involves going over an edge
- Features a shock absorber integrated into the lifeline, lowering fall arrest forces
- Durable, corrosion-resistant stainless steel and aluminum construction extends service life
- 30% lighter than competitive models in class for easy handling
- Carabiner and tagline included for easy lifeline access and connection
- Dual swivels design (unit top and snap hook) minimizes lifeline twisting during use
- Rated for up to a 310 lb. (140.6 kg) user in leading edge applications and up to a 400 lb. (181.4 kg) user when mounted overhead
- Models available with Kevlar® Shock-Absorbing Packs for Welding Applications

SKU	Description	Length	Weight
RL20G-Z7LE/20FT	3/16-in. (5 mm) galvanized wire rope; carabiner and tagline	20-ft. (6 m)	11 lb. (5.0 kg)
RLS30G-Z7LE/30FT	3/16-in. (5 mm) galvanized wire rope; carabiner and tagline	30-ft. (9 m)	13 lb. (6.0 kg)
RL50G-Z7LE/50FT	3/16-in. (5 mm) galvanized wire rope; carabiner and tagline	50-ft. (15 m)	24 lb. (11.0 kg)
RL65G-Z7LE/65FT	3/16-in. (5 mm) galvanized wire rope; carabiner and tagline	65-ft. (20 m)	31 lb. (14.0 kg)

Note: Locking Snap Hook - 3/4-in (19 mm) gate opening. All connectors include 3,600-lb. gate-strength.





MILLER DURASEAL™ SELF-RETRACTING LIFELINE

Designed to lower your cost of ownership by keeping it in the field

- Prevents contaminants from entering the unit with highest industry rated sealed technology IP69K
- Built to last reusable brake design withstands multiple falls
- Quick, low cost repair is achieved with field replaceable lifeline
- Reduces fatigue and increases productivity with units up to 30% lighter than competitive sealed units
- Product service life is extended in the harshest environments with corrosion resistant components





HONEYWELL MILLER DURASEAL™ SELF-RETRACTING LIFELINE

The new patent-pending Miller DuraSeal™ Self-Retracting Lifeline (SRL) is designed to perform in the harshest environments including onshore and offshore oil and gas, mining and petrochemical. The sealed technology, reusable brake system, field replaceable lifeline and corrosion resistant materials keep the product in the field to lower your cost of ownership.



MILLER DURASEAL™ COMPETITIVE ADVANTAGES

Prevents contaminants from entering the unit with highest industry rated sealed technology IP69K

In addition to meeting IP68, the Miller DuraSeal™ meets IP69K – a more stringent test requiring close range high-pressure/high temperature spray downs. The Miller DuraSeal design entirely seals and protects the brake system, power spring and bearings to ensure these components are never exposed to debris, water or chemicals.

System built to last, withstanding multiple falls

The robust brake design withstands multiple falls, keeping the Miller DuraSeal™ in the field, lowering your cost of ownership.

Provides quick, low-cost repair

The Miller Rapid Replace field replaceable lifeline can be performed by the end-user in the field or an authorized Miller Repair Center.

Provides easier installation and transport

The lightest weight sealed SRL offering includes models up to 30% lighter than competitive sealed SRLs for easier installation and transport.

Enables quicker, easier installation and provides protection from rain

Models with mounting plate for attachment to a 4-hole bolt pattern common on oil and gas rigs include built-in spacers for easier installation. Waterproof design protects cable from rain.

Provides protection for a wider range of workers

The 420 lb. (189 kg) weight capacity provides protection for a wider range of workers carrying heavy tools.

Increases service life with new spring design

The power spring design keeps tension on the line, increasing the life service of the unit.

Prevents brake disengagement during a fall

Anti-ratcheting brake design provides positive brake engagement.

Lowers cost of ownership with no annual factory recertification

The robust design does not require annual recertification.* This keeps the product in the field lowering cost of ownership and increasing productivity.

*Except in Canada where the Canadian Standards Association require annual recertification.



Rotating Anchor Loop

Balances the unit to ensure the load is centered in the event of a fall.

Mounting Plate with Integral Spacers*

Integral spacers provide quicker, easier installation. A gasket between the housing and mounting plate prevents rain from entering the cable side of the unit.

*Applies to models with mounting plates only



Aluminum and Stainless Housing

Designed with corrosion resistant components, the Miller DuraSeal provides ultimate durability extending the product's service life.

Ergonomically Designed Carrying Handle/Secondary Anchorage

Provides a comfortable well-balanced feel and is approved for use as a secondary anchorage attaching the SRL to the structure using a tether line.

Miller Rapid Replace Lifeline

The field replaceable lifeline provides for quick, low-cost repair that can be performed by the end-user in the field or an authorized Miller Repair Center.

Equipped with Ultra-high Frequency RFID

Enables asset and inspection tracking.

Lifeline Grip

Optimized to provide a solid grasp of the lifeline when connecting to the user's harness.

Swivel

Built-in swivel prevents the lifeline from twisting.

Load Indicator

Activates in the event of a fall.

3,600 lb. Gate

The 3,600 lb. gate-strength hooks meet the most recent industry standards.

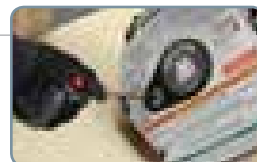
Field Replaceable Lifeline

The Miller Rapid Replace Line provides for quick, low-cost repair that can be performed by users in the field or an authorized Miller Repair Center.

For full step-by-step instructions, visit millerfallprotection.com



Pull out the entire length of cable until shoulder screws are visible and activate lock.



Remove the two shoulder screws on the drum through the side plate cover.



Insert new lifeline into the unit, install shoulder screws and ensure it has engaged.



HONEYWELL MILLER DURASEAL™ SELF-RETRACTING LIFELINE

Designed to lower your cost of ownership by keeping it in the field

SKU	Length	Lifeline Material	Weight	Dimensions		
				Length	Width	Depth
Miller DuraSeal™ Sealed SRL with cable sling, tagline and 2 carabiners						
SSRL50G1	50-ft (15 m)	Galvanized Steel	27.3 lb. (12 kg)	12.8 in. (325 mm)	11.8 in. (300 mm)	4.9 in. (125 mm)
SSRL50S1	50-ft (15 m)	Stainless Steel	27.3 lb. (12 kg)	12.8 in. (325 mm)	11.8 in. (300 mm)	4.9 in. (125 mm)
SSRL100G1	100-ft (30 m)	Galvanized Steel	59.7 lb. (27 kg)	15.7 in. (399 mm)	14.4 in. (366 mm)	6.6 in. (168 mm)
SRL100S1	100-ft (30 m)	Stainless Steel	59.7 lb. (27 kg)	15.7 in. (399 mm)	14.4 in. (366 mm)	6.6 in. (168 mm)
SRL130G1	130-ft (40 m)	Galvanized Steel	61.7 lb. (28 kg)	15.7 in. (399 mm)	14.4 in. (366 mm)	6.6 in. (168 mm)
SRL130S1	130-ft (40 m)	Stainless Steel	61.7 lb. (28 kg)	15.7 in. (399 mm)	14.4 in. (366 mm)	6.6 in. (168 mm)
SRL175G1	175-ft (53 m)	Galvanized Steel	76.5 lb. (35 kg)	15.7 in. (399 mm)	14.4 in. (366 mm)	7.8 in. (198 mm)
SRL175S1	175-ft (53 m)	Stainless Steel	76.5 lb. (35 kg)	15.7 in. (399 mm)	14.4 in. (366 mm)	7.8 in. (198 mm)
Miller DuraSeal™ Sealed SRL with cable sling, tagline, 2 carabiners and 4-hole mounting plate						
SSRL100G2	100-ft (30 m)	Galvanized Steel	61 lb. (28 kg)	15.7 in. (399 mm)	14.4 in. (366 mm)	6.6 in. (168 mm)
SSRL100S2	100-ft (30 m)	Stainless Steel	61 lb. (28 kg)	15.7 in. (399 mm)	14.4 in. (366 mm)	6.6 in. (168 mm)
SSRL130G2	130-ft (40 m)	Galvanized Steel	63 lb. (29 kg)	15.7 in. (399 mm)	14.4 in. (366 mm)	6.6 in. (168 mm)
SSRL130S2	130-ft (40 m)	Stainless Steel	63 lb. (29 kg)	15.7 in. (399 mm)	14.4 in. (366 mm)	6.6 in. (168 mm)
SSRL175G2	175-ft (53 m)	Galvanized Steel	77.9 lb. (29 kg)	15.7 in. (399 mm)	14.4 in. (366 mm)	7.8 in. (198 mm)
SSRL175S2	175-ft (53 m)	Stainless Steel	77.9 lb. (29 kg)	15.7 in. (399 mm)	14.4 in. (366 mm)	7.8 in. (198 mm)



ATTACHING WITH CARABINER



ATTACHING WITH 4-BOLT HOLE PATTERN





Length	Ref.	Standard	Cable		Webbing	Fall factor	Anchorage Connection		Harness Connection		Fall indicator	Weight
			Galvanised	Stainless Steel			Karabiner	Swivel	Swivel	Harness Connection		
FALCON™												
6.2m	1011728	EN 360	•			0 - 1	Screwgate	•	•	Steel snap hook	At snap hook	4kg
10m	1011742	EN 360	•			0 - 1	Screwgate	•	•	Steel snap hook	At snap hook	5kg
15m	1011746	EN 360	•			0 - 1	Screwgate	•	•	Steel snap hook	At snap hook	6.7kg
20m	1011750	EN 360	•			0 - 1	Screwgate	•	•	Steel snap hook	At snap hook	7.6kg
6.2m	1011729	EN 360		•		0 - 1	Screwgate	•	•	Steel snap hook	At snap hook	4kg
10m	1011743	EN 360		•		0 - 1	Screwgate	•	•	Steel snap hook	At snap hook	5kg
15m	1011747	EN 360		•		0 - 1	Screwgate	•	•	Steel snap hook	At snap hook	6.7kg
20m	1011751	EN 360		•		0 - 1	Screwgate	•	•	Steel snap hook	At snap hook	7.6kg
6.2m	1013960	EN 360		•		0 - 1		•		Stainless steel snap hook	At snap hook	4kg
10m	1012261	EN 360		•		0 - 1		•		Stainless steel snap hook	At snap hook	5kg
15m	1012262	EN 360		•		0 - 1		•		Stainless steel snap hook	At snap hook	6.7kg
20m	1012263	EN 360		•		0 - 1		•		Stainless steel snap hook	At snap hook	7.6kg
10m	1017921	ATEX					Screwgate	•	•	Steel snap hook	At snap hook	5kg
20m	1030222	OFFSHORE KIT		•			Stainless steel	•	•	Stainless steel snap hook	At snap hook	7.6kg
Note: Factor 2 only with steel sling												
BLACK RHINO												
2.7m	1012410	EN 360		•		0 - 1	Screwgate	•	•	Steel snap hook	At snap hook	2kg
2.7m	1012392	EN 360		•		0 - 1	Scaffold hook	•	•	Steel snap hook	At snap hook	2.3kg
MIGHTYLITE												
6.2m	1002820	EN 360	•			0 - 1			•	Steel snap hook	At snap hook	4kg
10m	1004571	EN 360	•			0 - 1			•	Steel snap hook	At snap hook	5.6kg
15m	1004573	EN 360	•			0 - 1			•	Steel snap hook	At snap hook	9.5kg
20m	1004572	EN 360	•			0 - 1			•	Steel snap hook	At snap hook	14.9kg
30m	1004574	EN 360	•			0 - 1			•	Steel snap hook	At snap hook	19kg
40m	1004575	EN 360	•			0 - 1			•	Steel snap hook	At snap hook	23.6kg
15m	1004592	EN 360		•		0 - 1			•	Steel snap hook	At snap hook	9.5kg
20m	1004593	EN 360		•		0 - 1			•	Steel snap hook	At snap hook	14.9kg
30m	1004594	EN 360		•		0 - 1			•	Steel snap hook	At snap hook	19kg
40m	1004595	EN 360		•		0 - 1			•	Steel snap hook	At snap hook	23.6kg
6.2m	1002827	EN 360			•	0 - 1			•	Steel snap hook	At snap hook	3.5kg
15.5m	1002828	EN 360			•	0 - 1			•	Steel snap hook	At snap hook	9.4kg
MIGHTY EVAC												
15m	1005149	EN 360, EN1496	•			0 - 1			•	Steel snap hook	At snap hook	13.5kg
30m	1005160	EN 360, EN1496	•			0 - 1			•	Steel snap hook	At snap hook	24.7kg
40m	1005161	EN 360, EN1496	•			0 - 1			•	Steel snap hook	At snap hook	27.6kg
15m	1014390	EN 360, EN1496		•		0 - 1			•	Steel snap hook	At snap hook	11.2kg
30m	1014370	EN 360, EN1496		•		0 - 1			•	Steel snap hook	At snap hook	18.5kg
SCORPION™ EDGE TESTED												
2.7m	1016840	EN360, VG11.060			•	0-1-2	Screwgate	•		Snap hook	Web shock absorber	1.5kg
2.7m	1016841				•	0-1-2	Scaffold hook	•		Screwgate	Web shock absorber	1.75kg
2.7m	1016842				•	0-1-2	Scaffold hook	•		Snap hook	Web shock absorber	1.75kg



Length	Ref.	Standard	Cable		Webbing	Fall factor	Anchorage Connection		Harness Connection		Fall indicator	Weight
			Galvanised	Stainless Steel			Karabiner	Swivel	Swivel	Harness connection		
TURBOLITETM EDGE TESTED												
2m	1033464	EN360, VG11.060, VG.062, VG.085			•	0-1-2	Scaffold hook	•		Aluminium twist lock	Warning label	1.4kg
2m	1033465				•	0-1-2	Aluminium twist lock	•		Aluminium twist lock	Warning label	1.0kg
2m	1033466				•	0-1-2	Scaffold hook G060	•		Aluminium twist lock	Warning label	1.2kg
2m	1033467				•	0-1-2					Warning label	0.7kg
Turbolite												
2m	1018015	EN 360. ANSI. OSHA			•	0-1-2	Screwgate	•		Screwgate	Web shock absorber	0.86kg
2m	1018013	EN 360. ANSI. OSHA			•	0-1-2	Screwgate	•		Scaffold hook	Web shock absorber	0.86kg
2m	1018014	EN 360. ANSI. OSHA			•	0-1-2	Scaffold hook	•		Screwgate	Web shock absorber	0.86kg
2m	1017900	EN 360. ANSI. OSHA			•	0-1-2	Screwgate	•		Steel snap hook	Web shock absorber	0.86kg
TWIN TURBO												
2m	1029716	EN 360. ANSI. OSHA			•		Twin turbo D-Ring			2 x Scaffold hook	Web shock absorber	2.1kg
FALCON™												
6m	1016793	EN 360			•	0-1		•				1.5kg
6m	1016794	EN 360			•	0-1	Scaffold hook	•		Screwgate		1.9kg
6m	1016795	EN 360			•	0-1	Screwgate	•		Screwgate		1.6kg
6m	1016796	EN 360			•	0-1	Screwgate	•		Snap hook		1.6kg
6m	1031140	EN 360			•	0-1	Aluminium twist lock	•		Aluminium twist lock	Warning label	1.4kg
SCORPION™												
2.8m	1008588	EN 360			•	0-1	Snap hook	•		Scaffold hook	Web shock absorber	2kg
2.7m	1008587	EN 360			•	0-1	Snap hook	•		Screwgate	Web shock absorber	2kg
2.8m	1008594	EN 360			•	0-1	Scaffold hook	•		Screwgate	Web shock absorber	2kg
2.7m	1008593	EN 360			•	0-1	Scaffold hook	•		Snap hook	Web shock absorber	2kg
2.5m	1010630	EN 360			•	0-1	Aluminium twist lock		•	Aluminium twist lock	Web shock absorber	2kg
AVIABLOC												
1.5m	1003059	EN 360			•	0-1	Screw gate karabiner			Sgk*	Web shock absorber	1.195kg
2.5m	1002871	EN 360			•	0-1	Screw gate karabiner			Sgk*	Web shock absorber	1.370kg
2.5m	1010893	EN 360			•	0-1	Snap hook			Sgk*	Web shock absorber	1.520kg
2.5m	1008332	EN 360			•	0-1	-			-	Web shock absorber	0.985kg
2.5m	1008331	EN 360			•	0-1	Screw gate karabiner			Sgk*	Web shock absorber	0.920kg
2.5m	1008330	EN 360			•	0-1	-			Sgk*	Web shock absorber	0.885kg



A lanyard is used to connect the workers harness to the anchorage point as an intermediate attachment when working at height. A connecting lanyard may be one of the 3 types: **Fall Arrest**, **Fall Restraint**, or **Work Positioning**.

MILLER LANYARDS FEATURES

ENERGY SHOCK ABSORBER

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



ELASTICATED LANYARD®

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



EDGE TESTED

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



Edge tested

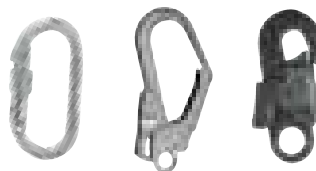
ADJUSTABLE

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



CONNECTORS

Connectors are available to attach to different anchorage points.

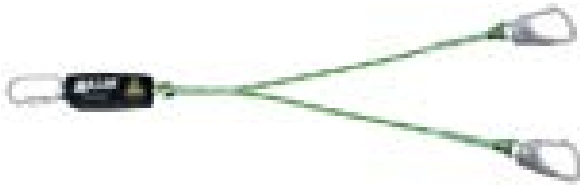




Edge resistant lanyards: unique solutions to solve the technical problem posed by the breaking of fall protection equipment on edges! To prevent the risk of failure on an edge during work at height, requires a two-fold solution: fall arrest equipment has been developed with resistance to failure on edges whilst also absorbing the fall arrest forces.

MILLER EDGE-TESTED KERMANTEL LANYARDS

Kernmantel shock absorbing lanyards



FEATURES & BENEFITS

Benefits:

- Edge tested kernmantel ropes.
- Safe work on edges.
- Abrasion resistant.
- Easy identifiable from a distance.
- Easy pre-use safety check.
- Fitting all workers needs (different length and connectors).

Features:

- Edge tested products (compliant to VG11 PPE 11.074).
- High quality kernmantel rope.
- Highly visible rope (Light green).
- Multicolor stitches assist inspection.
- Wide range of products.



Edge tested

Single lanyards Reference	Length			User connector		Anchorage connector	
	1m	1.5m	2m	Thimble Only	Karabiner	Thimble Only	Karabiner
10 323 63*	0.8m			X		X	
10 323 64*		1.3m		X		X	
10 323 65*			1.8m	X		X	
10 323 66	X				A		A
10 323 67		X			A		A
10 323 68			X		A		A
10 323 71			X		B		B
10 323 72*	X				B		C
10 323 73*		X			B		C
10 323 74*			X		B		C
10 323 76*		X			F		H
10 323 77*			X		F		H
10 323 78*	X				F		G
10 323 79*		X			F		G
10 323 80*			X		F		G
10 323 81*	X				F		E
10 323 82*		X			F		E
10 323 83*			X		F		E
10 324 09*			X		D		D
10 324 11*			X		D		G

Twin Lanyards Reference							
	1m	1.5m	2m	Thimble only	Karabiner	Thimble Only	Karabiner
10 323 87*	X				B		C
10 323 88*		X			B		C
10 323 90*	X				F		H
10 323 91*		X			F		H
10 323 93*	X				F		G
10 323 94*		X			F		G
10 323 96*	X				F		E
10 323 97*		X			F		E
10 324 12*		X			D		G
10 324 14*		X			D		I

Steel Karabiners			
10 189 60	A	Screw gate CS20	
10 189 63	B	Twist lock CS20	
10 092 49	C	Scaf hook G055	

Aluminium Karabiners			
10 286 30	D	Triple action Cigale	
10 064 52	E	Snap hook	
10 083 42	F	Twist lock Zicral	
10 189 77	G	Scaf hook ML04/G065	
10 189 72	H	Double action G060	
10 189 76	I	Scaf hook G0100	



To prevent the risk of a fall, it is made of stretch webbing and comes with a variety of connectors. With a maximum of 2m length, it includes an integrated shock absorber to dissipate the forces on the body in case of a fall. Light and stretchable, Manyard® moves with you.

EDGE-TESTED STRETCHABLE SHOCK-ABSORBING LANYARDS



FEATURES & BENEFITS (same as STRETCHABLE SHOCK-ABSORBING LANYARDS)

Additional benefits:

- Mechanical properties resistant against cutting and shearing.

Additional features:

- Patented core-yarn technology.
- Identifiable green tubular webbing with a black stripe or with a black shock-absorber.
- Wrapped filament combining two types of thread: one shock absorbent and one abrasion resistant.



Ref.	Length	Forked	Harness connector		Anchorage connector
10 179 16	2m	-	Aluminium Steel screwgate karabiner CS20		Scaffold hook, large opening aluminium 65mm
10 179 18	2m	-	Steel screwgate karabiner CS20		Steel screwgate karabiner CS20
10 285 20	1.5m	•	1/4 steel karabiner		Scaffold hook, large opening 55mm
10 285 21	2m	•	1/4 steel karabiner		Scaffold hook, large opening 55mm
10 285 22	2m	•	1/4 Zicral Alu. Screw karabiner		Scaffold hook, large opening 65mm
10 285 23	1.5m	•	1/4 Zicral Alu. Screw karabiner		Scaffold hook, large opening 65mm
10 285 24	2m	•	Aluminium screwgate karabiner CS20		G060, large opening aluminium 60mm
10 285 25	1.5m	•	Aluminium screwgate karabiner CS20		G060, large opening aluminium 60mm

SHOCK ABSORBING MANYARD®

STRETCHABLE SHOCK-ABSORBING LANYARDS



For reduced tripping hazards

FEATURES & BENEFITS

Benefits:

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

Features:

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



Ref.	Length	Model	Connectors
10 053 24	1.5m	ME86	65mm scaffold hook and galvanised connector
10 053 25	2m	ME86	65mm scaffold hook and galvanised connector
10 053 17	1.5m	ME82	2 galvanised connectors (CS20)
10 053 18	2m	ME82	2 galvanised connectors (CS20)

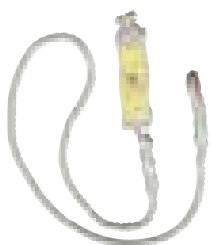
Conforms to EN 355

Ref.	Length	Model	Connectors
10 053 26	1.5m	ME83	Snap hook and galvanised connector
10 053 27	2m	ME83	Snap hook and galvanised connector
10 304 90	1.2m	Forked Manyard®	-
10 139 70	1.5m	Forked Manyard®	65mm scaffold hooks and galvanised connector
10 134 91	2m	Forked Manyard®	65mm scaffold hooks and galvanised connector

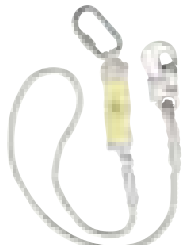


Between rope and webbing shock-absorbing lanyards, the choice is primarily one of preference since they both offer the same high level of performance. Available with a variety of attachments and designed to better meet fall protection needs. Standard : EN355

TITAN™ B - TITAN™ B1 - TITAN™ C3



TITAN™ B



TITAN™ B1



TITAN™ C3

Ref.	Length	Model	Description
10 082 75	1.8m	TITAN™ B	Rope shock-absorbing lanyard. No connectors.
10 082 76	2.0m	TITAN™ B1	Rope shock-absorbing lanyard with snap hook and screwgate karabiner.
10 082 81	2.0m	TITAN™ C3	Rope shock-absorbing lanyard with screwgate karabiner and scaffold hook (65mm opening).

ME/AMORSTOP



FEATURES & BENEFITS

Benefits: Cost-effective choice for fall protection

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

Features:

- Made of highly resistant and durable 12mm polyamide rope.



ME52

Model	Ref.	Length (m)	Harness Connector	Anchorage Connector	
ME51	10 029 06	2	CS20	65mm aluminium Scaffold hook	
ME52	10 029 07	2	CS20	CS20	
AMORSTOP	10 032 16	1.5	CS20	CS20	
ME53	10 045 78	2	CS20	18mm Snap hook	
ME53	10 052 90	1.5	CS20	18mm Snap hook	
ME54	10 045 91	2	CS20	55mm Scaffold hook	
ME54	10 052 78	1.5	CS20	55mm Scaffold hook	
AMORSTOP	10 032 20	1.3	None	None	



Used to ensure a permanent connection to an anchorage point at all times when climbing on and round the work place. Maintaining an anchorage connection as high as possible minimises the fall clearance, reducing the effect of a fall by stopping impact with structure. Standard:EN355.

ME00-06



Webbing lanyard with shock absorber, 1.5m to 2m.

FEATURES & BENEFITS

Benefits: Cost-effective choice for fall protection

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

Features:

- Made of highly resistant and durable 23mm polyester webbing.



ME02

Model	Ref.	Length (m)	Harness Connector	Anchorage Connector
ME00	10 029 01	1.8	None	None
ME02	10 029 03	2	CS20	CS20
ME03	10 029 04	2	ML06	ML06
ME06	10 052 79	1.5	CS20	65mm Scaffold hook
ME06	10 045 79	2	CS20	65mm Scaffold hook

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



FEATURES & BENEFITS

Benefits: Permanently connected when moving

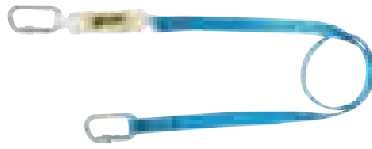
- Easily connected and removed.
- Double-legged lanyard to move around whilst being connected at all times.
- Compact, light-weight shock-absorber.

Features: Lightweight & versatile fall arrest lanyard designed for maximum protection

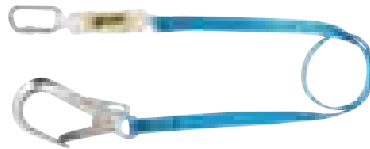
- Robust polyester webbing 23mm.
- Integrated polyamide shock-absorber.

Ref. Housing	Length	Connectors
10 029 02	2m	3 Screwgate karabiners (18mm opening)
10 045 90	2m	Screwgate karabiner and 2 scaff hooks (65mm opening)
10 066 75	1.5m	Screwgate karabiner and 2 scaff hooks (65mm opening)
10 032 32	1m	Screwgate karabiner + 2 GO60 (60mm)
10 051 31	1.5m	Screwgate karabiner + 2 GO60 (60mm)
10 032 35	2m	Screwgate karabiner + 2 GO60 (60mm)
10 032 33	1m	¼ Twistlock karabiner + 2 scaff hooks (65mm)



**TITAN™ A2 - TITAN™ A3**

TITAN™ A2



TITAN™ A3

Ref.	Length	Model	Description
10 143 30	1.5m	TITAN™ A2	Webbing shock absorbing lanyard with screwgate karabiner.
10 134 30	2m	TITAN™ A3	Webbing shock absorbing lanyard with screwgate karabiner and scaffold hook (65mm).
10 151 40	1.75m	TITAN™ A3	Webbing shock absorbing lanyard with screwgate karabiner and scaffold hook (65mm).
10 160 96	1.5m	TITAN™ A3	Webbing shock absorbing lanyard with screwgate karabiner and scaffold hook (65mm).

ATEX LANYARD**FEATURES & BENEFITS****Benefit:**

- Prevents risk of electrostatic discharge igniting an explosive atmosphere.

Features:

- Energy absorber.
- 2 GØ60 karabiner and 1 twist lock karabiner.
- Antistatic polyester webbing 25mm.
- Shock absorber: Polyester/Polyamide.

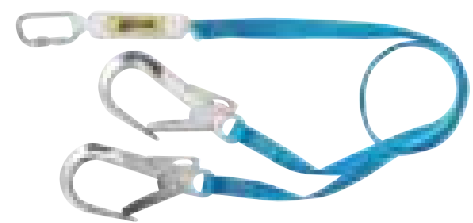


Ref.	Length
10 158 59	1.15m

Standard: ATEX EN 13463-1 (2001)

FORKED TITAN™ A3

Connectors: 2 scaffold hooks (65mm) and screwgate karabiner



Ref.	Length
10 134 31	2m

TIE-BACK FORKED SHOCK-ABSORBING LANYARD

Technical fall arrest lanyard

FEATURES & BENEFITS**Benefits:**

- Forked lanyard for 100% tie-off: Ideal for climbing a tower or ladder.
- Shock-absorber limits fall arrest forces < 6kN.

Features:

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

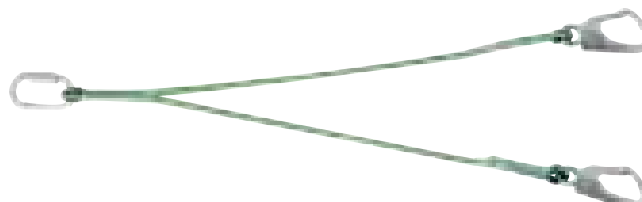
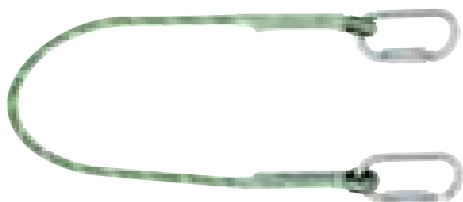


Ref. Housing	Connectors
10 070 13	3 captive eye karabiners (18mm opening)
10 070 15	without connectors
10 102 06	with 2 scaff hooks 65mm



MILLER KERMANTEL LANYARDS

Kernmantel restraint lanyards



FEATURES & BENEFITS

Benefits:

- Ultra-resistant and new stylish kernmantel ropes.
- Abrasion resistant.
- Easily identifiable from a distance.
- Easy pre-use safety check.
- Fitting all workers needs (different lengths and connectors)

Features:

- High quality kernmantel rope.
- Highly visible rope (Light green).
- Multicolor stitches assist inspection.
- Wide range of products.

Single lanyards Reference	Length			User connector		Anchorage connector	
	1m	1.5m	2m	Thimble only	Karabiner	THIMBLE ONLY	Karabiner
10 323 30*	0.8m			X		X	
10 323 31*		1.3m		X		X	
10 323 32*			1.8m	X		X	
10 323 36	X				B		B
10 323 37		X			B		B
10 323 40*		X			B		C
10 323 41*			X		B		C
10 323 42	X				F		G
10 323 43		X			F		G
10 323 45*	X				F		E
10 323 46*		X			F		E
10 324 02*	X				D		G
10 324 03*	X	X			D		G
10 334 90*	X				B		H

TWIN lanyards Reference	1m	1.5m	2m	Thimble only	Karabiner	THIMBLE ONLY	Karabiner
10 323 51*	X				B		C
10 323 52*		X			B		C
10 323 54*	X				F		H
10 323 55*		X			F		H
10 323 57*	X				F		G
10 323 58*		X			F		G
10 323 60*	X				F		E
10 323 61*		X			F		E
10 324 06*	X				D		G
10 324 07*		X			D		G

Steel karabiners

10 189 60	A	Screw gate CS20	
10 189 63	B	Twist lock CS20	
10 092 49	C	Scaf hook G055	

Aluminium karabiners

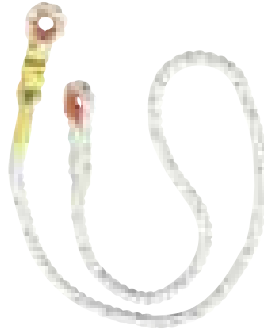
10 286 30	D	Triple action Cigale	
10 064 52	E	Snap hook	
10 083 42	F	Twist lock Zicral	
10 189 77	G	Scaf hook ML04/G065	
10 189 72	H	Double action G060	
10 189 76	I	Scaf hook G0100	

**TITAN™****FEATURES & BENEFITS****Benefit: Lightweight**

- With or without connectors.

Features: Polyamide rope - 12mm

- Available length from 1m to 1.8m.
- Spliced loop with protective plastic thimble.



Ref.	Length
10 082 70	1m
10 082 71	1.5m
10 082 72	1.8m

Conforms to EN 354

TITAN™ R14

Adjustable without connectors



Ref.	Length
10 082 73	1.8m

Conforms to EN 354

**MILLER H-DESIGN®
WEBBING EXTENSION****NEW****FEATURES**

- 42 cm webbing extension for easy connection to rear D-ring*
- Removable to replace in case of damage
- Conforms to EN 354



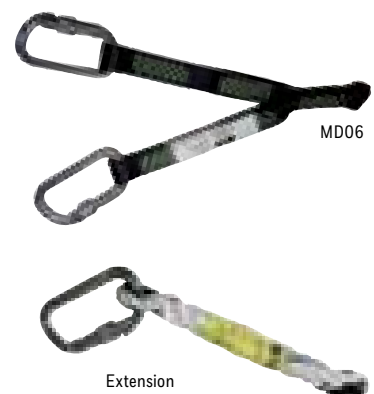
Ref.	Name
10 328 93	webbing extension
10 328 94	webbing extension + twist-lock

*approximately 30cm length when attached with larks head knot and 52cm length when attached with twist-lock karabiner. Check the final length before use as a fall arrest or restraint system shall not exceed 2m.

MD06**FEATURES & BENEFITS****Benefit: Lightweight extension**

- With or without connectors.

Model	Ref.	Length (m)	Connector		Connector	
MD06	10 309 51	0.40	Loop		2 x CS20	
Extension	10 028 88	0.30	Loop		CS20	



MD06

Extension



Used to allow hands free work, to complement a fall arrest system. The length is easily adjustable with one hand to fit around the structure and then onto the side D-rings of the harness/belt. Conforms to EN 358.

MILLER HANDZUP®



Work positioning lanyard that leaves your hands free to work in complete safety!

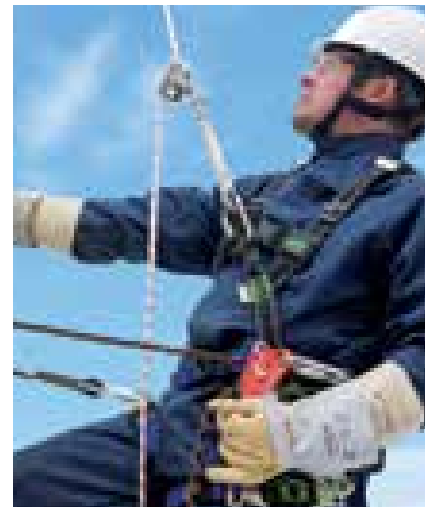
FEATURES & BENEFITS

Benefits:

- Specially designed for improved handling and greater comfort during work
- Just a few seconds are sufficient to accurately adjust the lanyard to the perfect work positioning point.
- An economical system: it is not necessary to change the entire system when only the rope is unserviceable. The rope can be replaced by a user when necessary.
- Rope that lasts double the length of time: the new polyamide braided rope is twice as resistant compared to ordinary rope.

Features:

- 2 aluminium side plates.
- ABS handle.
- Aluminium compartment.
- Stainless steel pivoting cam.
- 100% polyamide braided rope, diameter 12mm with or without protection sleeve.
- Plastic sleeve protecting rope termination.
- Optional repositionable locking screw.



	Rope length							Karabiner at rope termination	Protective sheath	Karabiner on tensioner
Ref.	2 M	3 M	4 M	5 M	10 M	20 M	30 M			
10 320 97	X							B	X	A
10 320 98		X						B	X	A
10 320 99			X					B	X	A
10 321 00	X							B		A
10 321 01		X						B		A
10 321 02			X					B		A
10 322 40				X				B		A
10 321 24					X			-		-
10 321 25						X		-		-
10 321 26							X	-		-
10 321 18	X							D	X	D
10 321 19		X						D	X	D
10 321 20			X					D	X	D
10 321 21	X							D		D
10 321 22		X						D		D
10 321 23			X					D		D



A : 1/4 turn karabiner



B : Snap hook



D : Triple action oval karabiner

This new system is particularly recommended in the fields of telecommunications, transport and electricity.

**MC03**

2m to 4m

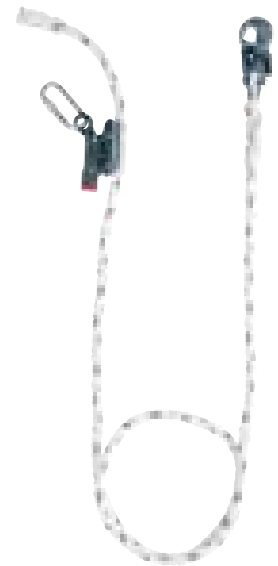
FEATURES & BENEFITS

Benefit: Ideal for those who have to work at height in a safe and supported hands-free position

- Easy to connect to the side D-rings of the harness.

Features: Easy to use

- Jaw type length adjuster for progressive one-handed adjustment.
- Ø 16mm polyamide rope.
- Connectors: galvanised steel karabiner and alloy snap hook, 18mm opening.



Ref.	Length
10 028 78	2m
10 028 79	3m
10 028 80	4m

TITAN™

Adjustable work positioning lanyard

FEATURES & BENEFITS**Benefits:**

- Easy to use.
- Adjustable.

Features:

- Adjustable 12mm or 14mm polyamide rope lanyard.
- Length 1.8m to 2m.

Ref. Housing	ø rope	Length	Connectors
10 082 85	12mm	1.80m	No connector
10 082 87	12mm	2m	Loop and twistlock karabiner
10 082 88	12mm	2m	2 twistlock karabiners
10 082 86	14mm	2m	Loop and 18mm snap hook





MILLER® ARC-RATED SHOCK-ABSORBING LANYARDS

- Meets stringent ASTM F887-05 arc-flash standards
- Designed to protect workers from electric arc-flash and arc-blast exposure
- Arc-rated Kevlar webbing in both single- and double-legged models
- Available with Kevlar choke-off loop for a “metal-less” connection



933KR-Z7/6FTBKC

SKU	Material	Style	No. of Legs	Harness Connection	Anchorage Connection	Standard Length
913K-Z7/6FTBKC	Kevlar webbing	Lanyard w/SofStop shock absorber	One	Locking snap hook	Locking snap hook	6-ft. (1.8 m)
913KR-Z7/6FTBKC	Kevlar webbing	Lanyard w/SofStop shock absorber	One	Locking rebar hook	Locking rebar hook	6-ft. (1.8 m)
933K-Z7/6FTBKC	Kevlar webbing	Lanyard w/SofStop shock absorber	One	Choke-off loop	Locking snap hook	6-ft. (1.8 m)
8798K-Z7/6FTBKC	Kevlar webbing	Lanyard w/SofStop shock absorber	Two	Locking rebar hook	Locking snap hook	6-ft. (1.8 m)
8798KR-Z7/6FTBKC	Kevlar webbing	Lanyard w/SofStop shock absorber	Two	Locking rebar hook	Locking rebar hook	6-ft. (1.8 m)

Note: All connectors include 3,600-lb. gate strength.

MILLER MANYARD HP™ SHOCK-ABSORBING LANYARDS

With 20 years of design refinement, the “Original” Miller Manyard HP Shock-Absorbing Lanyards feature:

- Specially-woven shock-absorbing inner core smoothly expands to reduce fall arrest forces
- Heavy-duty tubular outer jacket serves as a back-up lanyard
- Unique warning flag provides visual proof that a lanyard has been involved in a fall and must be removed from service

SKU	Number of Legs	Harness Connection	Anchorage Connection	Special Features	Standard Length
216TWLS-Z7/6FTGNC	One	Locking snap hook	Locking snap hook	Warning flag	6-ft. (1.8 m)
219TWRS-Z7/6FTGNC	One	Locking snap hook	Locking rebar hook	Warning flag	6-ft. (1.8 m)
231TWRS-Z7/6FTGNC	Two	Locking snap hook	Locking rebar hooks	Warning flag	6-ft. (1.8 m)
232TWLS-Z7/6FTGNC	Two	Locking snap hook	Locking snap hooks	Warning flag	6-ft. (1.8 m)
233TWLS-Z7/6FTGNC	One	Choke-off loop	Locking snap hook	Warning flag	6-ft. (1.8 m)
233TWRS-Z7/6FTGNC	One	Web choke-off loop	Locking rebar hook	Warning flag	6-ft. (1.8 m)
266TWLS/6FTGNC	Two	Web choke-off loop	Locking snap hooks	Warning flag	6-ft. (1.8 m)
266TWRS/6FTGNC	Two	Web choke-off loop	Locking rebar hooks	Warning flag	6-ft. (1.8 m)



216TWLS-Z7/6FTGNC



231TWRS-Z7/6FTGNC



MILLER MANYARD® II STRETCHABLE SHOCK-ABSORBING LANYARDS

- Manyard II Lanyards contract 6-ft. (1.8 m) to 4-ft. (1.2 m), greatly reducing the chances of tripping, snagging, or dragging
- Specially-woven shock-absorbing inner core smoothly expands to reduce fall arrest forces
- A heavy-duty outer jacket serves as a wear indicator and back-up strap to the red inner core for added safety
- Working load of 310-lbs. (140.6 kg) and features a warning flag to indicate that it has arrested a fall



216M-Z7/6FTGN

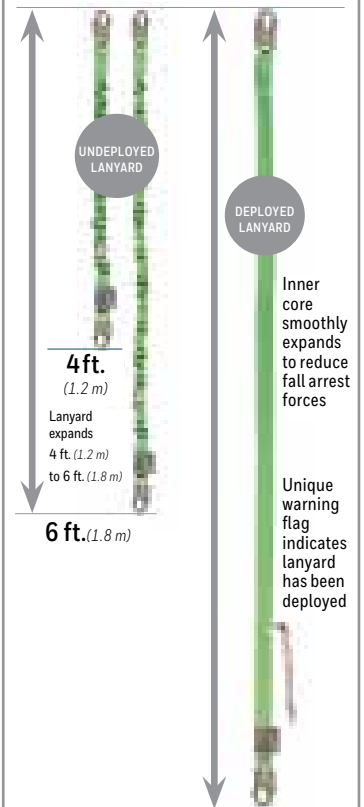


231M-Z7/6FTGN



Manyard II Shock-Absorbing Lanyard: Before and After Deployment

Always know your fall distance and select proper equipment to meet the fall clearance. See page 20 for details.



SKU	Material	No. of Legs	Harness Connection	Anchorage Connection	Special Features	Standard Length
216M-Z7/6FTGN	Webbing	One	Locking snap hook	Locking snap hook	Warning flag / Red core wear indicator	6-ft. (1.8 m)
219M-Z7/6FTGN	Webbing	One	Locking snap hook	Locking rebar hook	Warning flag / Red core wear indicator	6-ft. (1.8 m)
231M-Z7/6FTGN	Webbing	Two	Locking snap hook	Locking rebar hooks	Warning flag / Red core wear indicator	6-ft. (1.8 m)
232M-Z7/6FTGN	Webbing	Two	Locking snap hook	Locking snap hooks	Warning flag / Red core wear indicator	6-ft. (1.8 m)
233MORS-Z7/6FTGN	Webbing	One	Choke-off loop & "O" Ring extension	Locking rebar hook	Warning flag / Red core wear indicator	6-ft. (1.8 m)

*Available in lengths from 4-ft. (1.2 m) to 10-ft. (3 m).

Locking Snap Hook – 3/4-in. (19 mm) gate opening; Locking Rebar Hook – 2-1/2-in. (64 mm) gate opening. All connectors include 3,600-lb. gate-strength.



MILLER "O-RING" OPTION

OSHA regulation 1926.502, Section (d) personal fall arrest systems, paragraph (6) states that ...

"snap hooks shall not be engaged to a D-ring to which another snap hook or other connector is attached."

This means a retractable unit and a lanyard cannot simultaneously be attached to the same harness back D-ring.

Since it is potentially dangerous, difficult and time-consuming to switch back and forth from a lanyard to a retractable, the Miller Lanyard "O-ring" option solves this concern by allowing the retractable to be attached to the lanyard O-ring, while the lanyard remains connected to the back D-ring of the harness. This eliminates the need to continually change attachment points from a lanyard to a retractable. The placement of the O-ring is designed so that if a fall occurs, the lanyard shock absorber will not engage and the retractable unit will arrest the fall.

Note: The Lanyard O-Ring Option is available on any



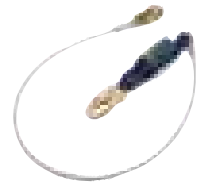
Miller shock-absorbing lanyard, single- or double-legged lanyards.

To order, add an "O" as a suffix to the model number (Ex: 913BO; 913SSO).

MILLER WELDING LANYARDS

SKU	Material	No. of Legs	Harness Connection	Anchorage Connection	Special Features	Standard Length
907K-Z7/6FTBL	1/4-in. (6 mm) cable	One	Locking snap hook	Locking snap hook	SofStop shock absorber w/Nomex cover & Kevlar core	6-ft. (1.8 m)
913K-Z7/6FTBL	Nomex/Kevlar webbing	One	Locking snap hook	Locking snap hook	SofStop shock absorber w/Nomex cover & Kevlar core	6-ft. (1.8 m)

Note: All connectors include 3,600-lb. gate strength.



907K-Z7/6FTBL

MILLER STRETCHSTOP® LANYARDS WITH SOFSTOP® SHOCK ABSORBER

- StretchStop Lanyards contract 6-ft. (1.8 m) to 4-ft. (1.2 m), greatly reducing the chances of tripping, snagging, or dragging
- Includes a heavy-duty back-up safety strap
- SofStop Shock Absorber pack is designed with a specially-woven inner core that smoothly expands to reduce fall arrest forces

SKU	Material	No. of Legs	Harness Connection	Anchorage Connection	Standard Length
913SS-Z7/6FTGN	Webbing	One	Locking snap hook	Locking snap hook	6-ft. (1.8 m)
913RSS-Z7/6FTGN	Webbing	One	Locking snap hook	Locking rebar hook	6-ft. (1.8 m)
8798SS-Z7/6FTGN	Webbing	Two	Locking snap hook	Locking snap hook	6-ft. (1.8 m)
8798RSS-Z7/6FTGN	Webbing	Two	Locking snap hook	Locking rebar hook	6-ft. (1.8 m)

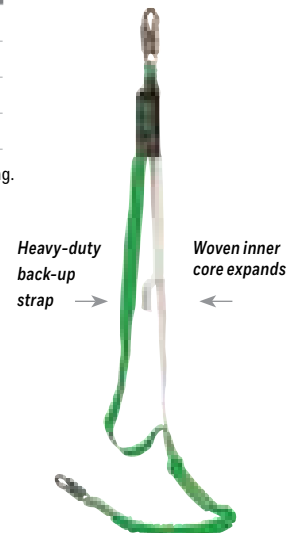
*Available in lengths from 4-ft. (1.2 m) to 10-ft. (3 m). Locking Snap Hook – 3/4-in. (19 mm) gate opening; Locking Rebar Hook – 2-1/2-in. (64 mm) gate opening. All connectors include 3,600-lb. gate-strength.



913SS-Z7/6FTGN



8798RSS-Z7/6FTGN





STRETCHSTOP® LANYARDS WITH RESCUE LOOPS AND MAX SOFSTOP® SHOCK ABSORBER

SKU	Description	Weight
940RSS-RR-Z7/6FTGN	6-ft. (1.8 m) Single Leg StretchStop® Lanyard with Metal Rescue Rings, Locking Snap Hook and Locking Rebar Hook	5.0 lbs. (2.3 kg)
980RSS-RR-Z7/6FTGN	Double Leg StretchStop® Lanyard with Metal Rescue Rings, Locking Snap Hook and Locking Rebar Hooks	3.5 lbs. (1.6 kg)

Note: All connectors include 3,600-lb. gate strength.

MILLER BACKBITER® TIE-BACK LANYARDS

The innovative Miller BackBiter Tie-Back Lanyard with the Miller 5K® Snap Hook was designed from top to bottom for tie-back use.

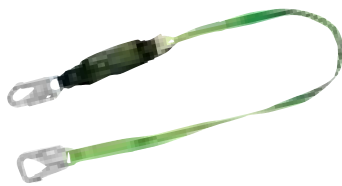
- First snap hook with a 5,000-lb. (22 kN) gate load capacity from any angle
- All-in-one lanyard with SofStop® Shock Absorber and cross-arm anchorage connector
- SofStop Shock Absorber pack is designed with a specially-woven inner core that smoothly expands to reduce fall arrest forces
- Heavy-duty polyester webbing and Cordura® nylon webbing with five times more abrasion resistance

SKU	Material	No. of Legs	Harness Connection	Anchorage Connection	Standard Length
913B/6FTGN	Webbing	One	Locking snap hook	Locking 5K snap hook	6-ft. (1.8 m)
8798B/6FTGN	Webbing	Two	Locking snap hook	Locking 5K snap hooks	6-ft. (1.8 m)

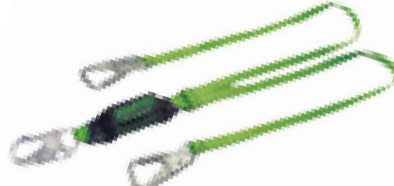
Locking Snap Hook – 3/4-in. (19 mm) gate opening. Cordura is a registered trademark of E. I. DuPont.
All connectors include 3,600-lb. gate-strength.



Featuring the
Miller 5K®
Snap Hook



913B/6FTGN



8798B/6FTGN

MILLER HP™ LANYARDS W/SOFSTOP® SHOCK ABSORBER

The Miller HP Lanyards are a collection of the most popular standard Miller brand lanyards with SofStop Shock Absorbers.

- SofStop Shock Absorber pack is designed with a specially-woven inner core that smoothly expands to reduce fall arrest forces
- Includes heavy-duty back-up safety strap

SKU	Material	No. of Legs	Harness Connection	Anchorage Connection	Special Features	Standard Length
910TWLS-Z7/6FTGN	Webbing	One	Locking snap hook	Locking snap hook	Adjustable	6-ft. (1.8 m)
913TWLS-Z7/6FTGN	Webbing	One	Locking snap hook	Locking snap hook	–	6-ft. (1.8 m)
8798T-Z7/6FTGN	Webbing	Two	Locking snap hook	Locking snap hooks	–	6-ft. (1.8 m)
8798TR-Z7/6FTGN	Webbing	Two	Locking snap hook	Locking rebar hooks	–	6-ft. (1.8 m)
922TWRS-Z7/6FTGK		one	Locking snap hook	locking rebar hook	–	6-ft. (1.8 m)
8878T-Z7/6FTGN		two	Locking snap hook	locking snap hooks	Adjustable	6-ft. (1.8 m)
8878TR-Z7/6FTGN		two	Locking snap hook	Locking rebar hooks	Adjustable	6-ft. (1.8 m)

Locking Snap Hook – 3/4-in. (19 mm) gate opening; Locking Rebar Hook – 2-1/2-in. (64 mm) gate opening. Aluminum models available upon request.
All connectors include 3,600-lb. gate-strength.



913TWLS-Z7/6FTGN



8798TR-Z7/6FTGN

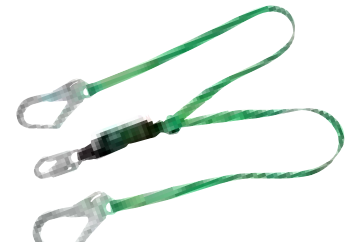


MILLER VINYL-COATED SHOCK-ABSORBING LANYARDS

Miller Vinyl-Coated Shock-Absorbing Lanyards feature a special vinyl coating on the webbing to protect against a variety of liquids that could compromise overall performance. Miller Vinyl-Coated Products are effective in a wide range of applications, including: Food Processing, Petrochemical, Water Treatment, Painting, Billboards and General Industry.



913PC/6FTGN



8798PCR/6FTGN

- SofStop Shock Absorber pack is designed with a specially-woven inner core that smoothly expands to reduce fall arrest forces
- Includes heavy-duty back-up safety strap
- Zinc-plated steel snap hooks
- User-rated to 310 lbs. (140.6 kg)

SKU	Material	No. of Legs	Harness Connection	Anchorage Connection	Standard Length
913PC/6FTGN	Vinyl-coated webbing	One	Locking snap hook	Locking snap hook	6-ft. (1.8 m)
922PCR/6FTGN	Vinyl-coated webbing	One	Locking snap hook	Locking snap hook	6-ft. (1.8 m)
8798PC/6FTGN	Vinyl-coated webbing	Two	Locking snap hook	Locking snap hooks	6-ft. (1.8 m)
8798PCR/6FTGN	Vinyl-coated webbing	Two	Locking snap hook	Locking rebar hooks	6-ft. (1.8 m)

Locking Snap Hook – 3/4-in. (19 mm) gate opening; Locking Rebar Hook – 2-1/2-in. (64 mm) gate opening. Aluminum models available upon request. All connectors include 3,600-lb. gate-strength.

MILLER ROPE, CABLE AND WEB LANYARDS WITH SOFSTOP® SHOCK ABSORBER

SofStop Shock Absorber pack is designed with a specially-woven inner core that smoothly expands to reduce fall arrest forces.



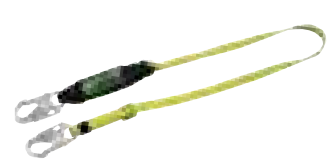
928LS-Z7/18INBK



901RLS-2/6FTWH



907NLS-Z7/6FTYL



910WLS/6FTYL

SKU	Material	No. of Legs	Harness Connection	Anchorage Connection	Special Features	Standard Length
928LS-Z7/18INYL	–	N/A	Locking snap hook	D-ring	–	18-in. (457 mm)
901RLS-2/6FTWH*	Rope	One	Locking snap hook	Locking snap hook	–	6-ft. (1.8 m)
903RLS-2/6FTWH*	Rope	One	Locking snap hook	Locking snap hook	Adjustable	4-ft. (1.2 m) to 6-ft. (1.8 m)
907LS-Z7/6FTYL	Cable rope	One	Locking snap hook	Locking snap hook	–	6-ft. (1.8 m)
907NLS-Z7/6FTYL	Vinyl-coated cable rope	One	Locking snap hook	Locking snap hook	–	6-ft. (1.8 m)
910WLS/6FTYL	Webbing	One	Locking snap hook	Locking snap hook	Adjustable	4-ft. (1.2 m) to 6-ft. (1.8 m)
913WLS-Z7/6FTYL	Webbing	One	Locking snap hook	Locking snap hook	–	6-ft. (1.8 m)
940WLS-Z7/6FTGN	Webbing	One	Locking snap hook	Locking snap hook	SofStop Double Pack**	6-ft. (1.8 m)
980WLS-Z7/6FTGN	Webbing	Two	Locking snap hook	Locking snap hook	SofStop Double Pack**	6-ft. (1.8 m)
8798/6FTYL	Webbing	Two	Locking snap hook	Locking snap hooks	–	6-ft. (1.8 m)
8798R/6FTYL	Webbing	Two	Locking snap hook	Locking rebar hooks	–	6-ft. (1.8 m)

*To order polyester rope, add “-5” to the corresponding SKU number (Ex.: 903RLS-5/6FTWH).

**SofStop Double Pack for 12-ft. (3.7 m) free fall per OSHA. Duty-rated 400 lbs. (181.4 kg) capacity.

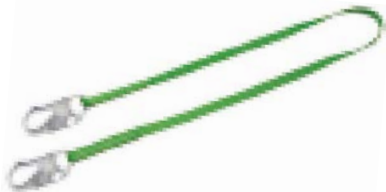
Locking Snap Hook – 3/4-in. (19 mm) gate opening; Locking Rebar Hook – 2-1/2-in. (64 mm) gate opening. All connectors include 3,600-lb. gate-strength.



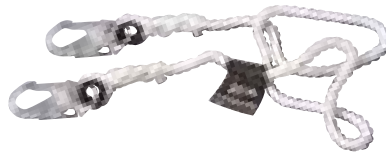
MILLER HP™ & MILLER POSITIONING AND RESTRAINT LANYARDS

Rope, Cable and Web Lanyards recommended for
“work positioning” and “restraint” only.

- Rope lanyards are available in standard nylon or polyester (for greater chemical resistance) to meet user needs
- Cable lanyards are heat resistant and highly abrasion resistant
- Standard web lanyards are economical, abrasion resistant and easy to clean



213TWSL-Z7/6FTGN



201RLS-2-Z7/6FTWH



207LS-Z7/6FTG

SKU	Material	Harness Connection	Anchorage Connection	Special Features	Length*
MILLER HP POSITIONING AND RESTRAINT LANYARDS					
210TWSL-Z7/6FTGN	Webbing	Locking snap hook	Locking snap hook	Adjustable	6-ft. (1.8 m)
213TWSL-Z7/6FTGN	Webbing	Locking snap hook	Locking snap hook	-	6-ft. (1.8 m)
8928-Z7/18INBK	D-ring extension				
MILLER POSITIONING AND RESTRAINT LANYARDS					
198RLS-2/6FTWH	Nylon rope	Choke-off loop	Locking snap hook	-	4-ft. (1.2 m) to 6-ft. (1.8 m)
201RLS-2-Z7/6FTWH	Nylon rope	Locking snap hook	Locking snap hook	-	6-ft. (1.8 m)
207LS-Z7/6FTG	Cable	Locking snap hook	Locking snap hook	-	6-ft. (1.8 m)
207NLS-Z7/6FTV	Vinyl-coated wire rope	Locking snap hook	Locking snap hook	-	6-ft. (1.8 m)
210WLS-Z7/6FTYL	Polyester webbing	Locking snap hook	Locking snap hook	Adjustable	6-ft. (1.8 m)
212WLS-Z7/6FTYL	Polyester webbing	Locking snap hook	Web loop	-	6-ft. (1.8 m)
213WLS-Z7/6FTYL	Polyester webbing	Locking snap hook	Locking snap hook	-	6-ft. (1.8 m)
226WRS-Z7/6FTYL	Polyester webbing	Locking snap hook	Locking rebar hook	-	6-ft. (1.8 m)
1014937	Kernmantle rope	Twist-lock carabiner	Locking rebar hook	Non-removable adjustable rope grab	6-ft. (1.8 m)
1014936	Kernmantle rope	Twist-lock carabiner	Locking rebar hook	-	4-ft. (1.2 m)

*Additional lengths are available. Locking Snap Hook – 3/4-in. (19 mm) gate opening; Locking Rebar Hook – 2-1/2-in. (64 mm) gate opening. All connectors include 3,600-lb. gate-strength.

MILLER POSITIONING ASSEMBLIES

SKU	Description
6756RS-Z7	Rebar chain assembly w/locking rebar hook, attached swivel & two locking snap hooks
6757WRS-Z7/35INGN*	Rebar web assembly w/locking rebar hook & two locking snap hooks
6756RS4-Z7/	4-link rebar chain assembly w/two locking snap hooks & one locking rebar hook; swivel attachment

*Also available in 27-in. (685 mm) or 40-in. (1016 mm) lengths. Locking Snap Hook – 3/4-in. (19 mm) gate opening; Locking Rebar Hook – 2-1/2-in. (64 mm) gate opening. All connectors include 3,600-lb. gate-strength.



6756RS-Z7



6757WRS-Z7/35INGN



MILLER SAFETY STRAPS

NF Series

A 1-3/4-in. (44 mm) wide, 100% nylon safety strap offers a friction buckle to adjust the length of the strap quickly and easily.

SKU	Description	Length
6NFLS-Z7/6FTYL	1-3/4-in. (44 mm) wide, 100% nylon safety strap w/ friction buckle	6-ft. (1.8 m) length
7NFLS-Z7/7FTYL	1-3/4-in. (44 mm) wide, 100% nylon safety strap w/ friction buckle	7-ft. (2.1 m) length

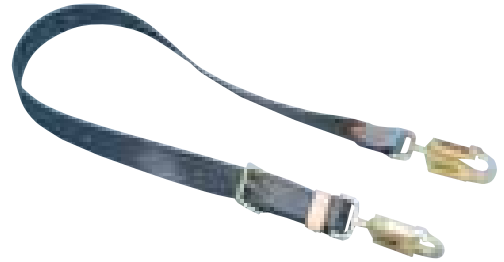


6NFLS-Z7/6FTYL

YR Series

Strong safety strap, made of a six-ply nylon, remains flexible in all types of weather conditions. Tongue buckle adjuster included for quick, safe adjustment.

SKU	Description	Length
6YRLS-Z7/6FTBR	Strong, six-ply nylon safety strap w/tongue buckle adjuster	6-ft. (1.8 m) length
7YRLS-Z7/7FTBR	Strong, six-ply nylon safety strap w/tongue buckle adjuster	7-ft. (2.1 m) length



6YRLS-Z7/6FTBR

MILLER STOPFALL™

Fall Restraint System

The Miller StopFall Fall Restraint Device was created for linemen by linemen to make pole climbing as safe, comfortable and convenient as possible, eliminating room for error and increasing safety.

- The only wood pole product of its type, it provides a straightforward solution allowing workers to climb naturally and instinctively.
- The unique spring-loaded cinching feature of the Miller StopFall keeps the unit in constant contact around the pole.
- Its minimal points of adjustment make worker training quick and easy.
- Designed to easily and naturally climb [hitchhike] wood poles in a position that's both comfortable and ergonomically accepted.

SKU	Description	Weight
7700A-Z7/YL/GP-1	StopFall Restraint Device with heavy-duty outer wear strap and inner security strap with unique gaffs for instant grip on wood poles	6.6 lbs. (3 kg)



7700A-Z7/YL/GP-1



Accommodates wood poles ranging from 20-in. to 60-in. circumference.



Model	Standards	Webbing	Rope	Simple	Forked	0,30 m	0,40 m	1 M	1.2 M	1.5 M	1.8 M	2 M	User connector	Anchorage connector
SHOCK ABSORBING LANYARDS AND MANYARD®														
AMORSTOP	EN 355		•	•						1003220			None	None
AMORSTOP	EN 355		•	•						1003216			CS20	CS20
ME54	EN 355		•	•						1005278			CS20	Scaff hook 55mm
ME53	EN 355		•	•						1005290			CS20	Snap hook
ME51	EN 355		•	•								1002906	CS20	Scaff hook 65mm
ME52	EN 355		•	•								1002907	CS20	CS20
ME53	EN 355		•	•								1004578	CS20	Snap hook
ME54	EN 355		•	•								1004591	CS20	Scaff hook 55mm
ME00	EN 355	•		•							1002901		No	No
ME02	EN 355	•		•								1002903	CS20	CS20
ME03	EN 355	•		•								1002904	Triple action	Triple action
ME06	EN 355	•		•						1005279		1004579	CS20	Scaff hook 65mm
Titan™ B	EN 355		•	•							1008275		Thimble loops	Absorber
Titan™ B1	EN 355		•	•								1008276	CS20	Snap hook
Titan™ C3	EN 355		•	•								1008281	CS20	Scaff hook 65mm
Titan™ A2	EN 355	•		•						1014330			CS20	CS20
Titan™ A3	EN 355	•		•						1016096	1015140	1013430	CS20	Scaff hook 65mm
Titan™	EN 355	•			•							1013431	CS20	2xScaff hook 65mm
Forked lanyard	EN 355	•			•			1003232					1/4 Turn	2xG060
Forked lanyard	EN 355	•			•			1003233					1/4 Turn	2xScaff hook 65mm
Forked lanyard	EN 355	•			•					1005131			1/4 Turn	2xG060
Forked lanyard	EN 355	•			•					1007013			1/4 Turn	Twist lock
Forked lanyard	EN 355	•			•					1007015			No	No
Forked lanyard	EN255	•			•					1010206			1/4 Turn	2xScaff hook 65mm
Forked lanyard	EN 355	•			•							1004590	CS20	2xScaff hook 65mm
Forked lanyard	EN 355	•			•					1006675			CS20	2xScaff hook 65mm
Forked lanyard	EN 355	•			•							1002902	1/4 Turn	2xCS20
Forked lanyard	EN 355	•			•							1003235	1/4 Turn	2xG060
Atex	EN 355/ ATEX	•			•					1015859			CS20	2xG060
Kernmantel lanyards	EN355		•	•				1032363 (0,8m)		1032364 (1,3m)	1032365		Thimble only	Thimble only
Kernmantel lanyards	EN355		•	•				1032366		1032367		1032368	Screw gate CS20	Screw gate CS20
Kernmantel lanyards	EN355		•	•								1032371	Twist lock CS20	Twist lock CS20
Kernmantel lanyards	EN355		•	•				1032372		1032373		1032374	Twist lock CS20	Scaf hook G055
Kernmantel lanyards	EN355		•	•						1032376		1032377	Twist lock Zicral	Double action G060
Kernmantel lanyards	EN355		•	•				1032378		1032379		1032380	Twist lock Zicral	Scaf hook ML04/G065
Kernmantel lanyards	EN355		•	•				1032381		1032382		1032383	Twist lock Zicral	Snap hook
Kernmantel lanyards	EN355		•	•								1032409	Triple action Cigale	Triple action Cigale
Kernmantel lanyards	EN355		•	•								1032411	Triple action Cigale	Scaf hook ML04/G065
Kernmantel lanyards	EN355		•		•			1032387		1032388			Twist lock CS20	Scaf hook G055
Kernmantel lanyards	EN355		•		•			1032390		1032391			Twist lock Zicral	Double action G060
Kernmantel lanyards	EN355		•		•			1032393		1032394			Twist lock Zicral	Scaf hook ML04/G065
Kernmantel lanyards	EN355		•		•			1032396		1032397			Twist lock Zicral	Snap hook
Kernmantel lanyards	EN355		•		•					1032412			Triple action Cigale	Scaf hook ML04/G065
Kernmantel lanyards	EN355		•		•					1032414			Triple action Cigale	Scaf hook G0100



Model	Standards	Webbing	Rope	Simple	Forked	0,30 m	0,40 m	1 M	1.2 M	1.5 M	1.8 M	2 M	User connector	Anchorage connector
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SHOCK ABSORBING MANYARD®

Manyard® ME86	EN 355	•		•						1005324			CS20	Scaff hook 65mm
Manyard® ME82	EN 355	•		•						1005317			CS20	CS20
Manyard® ME83	EN 355	•		•						1005326			CS20	Snap Hook
Manyard® ME86	EN 355	•		•								1005325	CS20	Scaff hook 65mm
Manyard® ME82	EN 355	•		•								1005318	CS20	CS20
Manyard® ME83	EN 355	•		•								1005327	CS20	Snap hook
Edge tested Manyard®	EN 355	•		•								1017916	CS20	Scaff hook 65mm
Edge tested Manyard®	EN 355	•		•								1017918	CS20	CS20
Twin Edge tested Manyard®	EN 355	•			•					1028520			1/4 steel karabiner	2xScaff hook 55mm
Twin Edge tested Manyard®	EN 355	•			•						1028521		1/4 steel karabiner	2xScaff hook 55mm
Twin Edge tested Manyard®	EN 355	•			•							1028522	1/4 Zicral Alu. Screw karabiner	2xScaff hook 65mm
Twin Edge tested Manyard®	EN 355	•			•					1028523			1/4 Zicral Alu. Screw karabiner	2xScaff hook 65mm
Twin Edge tested Manyard®	EN 355	•			•							1028524	CS20	Double action G060
Twin Edge tested Manyard®	EN 355	•			•					1028525			CS20	Double action G060
Twin Manyard®	EN 355	•			•				1030490					
Twin Manyard®	EN 355	•			•					1013970			CS20	2xScaff hook 65mm
Twin Manyard®	EN 355	•			•							1013491	CS20	2xScaff hook 65mm

RESTRAINT LANYARD

Kernmantel lanyards	EN354 & 358		•	•				1032330 (0,8m)		1032331 (1,3m)	1032332		Thimble only	Thimble only
Kernmantel lanyards	EN354 & 358		•	•				1032336		1032337			Twist lock CS20	Twist lock CS20
Kernmantel lanyards	EN354 & 358		•	•						1032340		1032341	Twist lock CS20	Scaff hook G055
Kernmantel lanyards	EN354 & 358		•	•				1032342		1032343			Twist lock Zicral	Scaff hook ML04/ G065
Kernmantel lanyards	EN354 & 358		•	•				1032345		1032346			Twist lock Zicral	Snap hook
Kernmantel lanyards	EN354 & 358		•	•				1032402		1032403			Triple action Cigale	Scaff hook ML04/ G065
Kernmantel lanyards	EN354 & 358		•		•			1032351		1032352			Twist lock CS20	Scaff hook G055
Kernmantel lanyards	EN354 & 358		•		•			1032354		1032355			Twist lock Zicral	Double action G060
Kernmantel lanyards	EN354 & 358		•		•			1032357		1032358			Twist lock Zicral	Scaff hook ML04/ G065
Kernmantel lanyards	EN354 & 358		•		•			1032360		1032361			Twist lock Zicral	Snap hook
Kernmantel lanyards	EN354 & 358		•		•			1032406		1032407			Triple action Cigale	Scaff hook ML04/ G065
Kernmantel lanyards	EN354 & 358			•				1033490					Twist lock CS20	Double action G060
TitanTM	EN 354		•	•				1008270					Thimble loops	Thimble loops
TitanTM	EN 354		•	•						1008271			Thimble loops	Thimble loops
TitanTM	EN 354		•	•							1008273		Thimble loops	Thimble loops
TitanTM	EN 354		•	•							1008272		Thimble loops	Thimble loops
MD06	EN 354	•			•			1030951					CS20	Loop
Extension	EN 354						1002888						CS20	Loop
Miller H-Design® Webbing extension	EN354	•		•				1032894					Twist lock CS20	loop
Miller H-Design® Webbing extension	EN354	•		•				1032893					loop	loop

WORK POSITIONING LANYARD

Miller HandZup®	See more details on page 360													
TitanTM	EN 358		•	•							1008285		No	No
MC03	EN 358		•	•								1002878	Spliced loops	Snap hook
MC03	EN 358		•	•								1002879 (3m)	Spliced loops	Snap hook
MC03	EN 358		•	•								1002880 (4m)	Spliced loops	Snap hook
TitanTM	EN 358		•	•								1008286	Spliced loops	Snap hook
TitanTM	EN 358		•	•								1008287	Spliced loops	Twist lock
TitanTM	EN 358		•	•								1008288	CS20	CS20



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

STICK RUN



Rope grab for vertical, horizontal and sloping applications

FEATURES & BENEFITS

Benefits:

- Easy to use.
- Automatic mode for vertical use.
- Manual mode for work positioning in horizontal and sloping use.
- Stick run glides freely over the line without manual intervention.

Features:

- Rope grab in stainless steel.
- Suitable for 10/12mm or 14/16mm rope.
- Automatic locking for vertical use.
- Weight: 0.62kg.
- Manual locking position for horizontal work and restraint purposes, repositioning manually along rope.

Stick Run is sold without a rope

Ref.	Model	For Ø rope	Extension
10 076 40	MF51	Kernmantel 10.5 mm	-
10 028 75	MF51	Polyamide 14 mm	-
10 076 18	MF52	Kernmantel 10.5 mm	0.3m lanyard and connector (CS20)
10 028 76	MF52	Polyamide 14 mm	

Conforms to EN 353-2. Recommended for use with Miller ropes only (see page 365)



ALTOCHUT



Rope grab for vertical use

FEATURES & BENEFITS

Benefits:

- Prevents workers from falling during ascent or descent.
- Glides freely along the rope without manual intervention.
- Offers a more comfortable attachment to the front anchorage point on the harness.

Features:

- Rope grab in stainless steel.
- Suitable for 10/12mm or 14/16mm ropes.
- Weight: 0.5kg.

Altochut is sold without a rope

Ref.	For Ø rope
10 029 33	Kernmantel 10.5 mm
10 029 37	Polyamide 14 mm

Altochut is sold without a rope

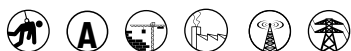
Ref.	For Ø rope	Extension
10 030 64	Kernmantel 10.5 mm	0.3m lanyard and connector (CS20)
10 030 71	Polyamide 14 mm	

Conforms to EN 353-2. Recommended for use with Miller ropes only (see page 365).





ANCHORAGE LINE



Suitable for vertical, horizontal and sloping applications.

FEATURES & BENEFITS

Benefit:

- Can be installed by means of the telescopic pole and anchorage connector.

Features:

- Twisted polyamide rope or kernmantel rope, diam. 10.5mm and screwgate karabiner.
- Supplied with galvanised connector and counterweight.

- Anchorage line is suitable for use with a 10/12mm or 14mm/16mm rope grab.
- Available in various lengths.

Length	Twisted Polyamide rope, diam. 14mm and screwgate karabiner	Twisted Polyamide rope, diam. 12mm and screwgate karabiner	Kernmantel rope, diam. 10.5mm and screwgate karabiner	Kernmantel rope, diam. 11mm	Kernmantel rope, diam. 11mm, black	Nylon rope, diam. 12mm with 2 stitched splices
with counterweight	x	x	x			
10m	10 028 91	10 113 44	10 076 13			
15m			10 031 74			
20m	10 028 92	10 113 45	10 076 14			
25m						10 117 26
30m	10 028 93	10 113 46	10 076 15			10 117 23
35m						10 117 24
40m	10 028 94		10 076 16			
45m						
50m	10 028 95		10 076 17	10 101 85		
60m			10 031 72			
100m					10 101 87	
200m				10 101 82		



ROCKER ROPE LOCK



Automatic rope grab features work positioning function

FEATURES & BENEFITS

Benefits:

- Fall arrester and work positioning device.
- Versatile and lightweight fall arrest system.
- Designed for use in conjunction with a manual descender or technical rope access or rescue
- Compact and easy-to-use.
- Locking catch can be activated to hold the Rocker in position on the rope.

Features:

- Easy-to-use automatic rope grab (EN 353-2).
- Manual rope positioning (EN 353-2).
- Length adjuster for positioning lanyard.
- Tensioning device for horizontal lifeline.
- Pulley blocking device.
- Suitable for 10/12mm rope.
- Weight: 0.17kg.



Rocker is sold without a rope

Ref.	Colour
10 070 31	Purple
10 102 21	Black

CE certified Rope grab: EN 353-2; Work positioning EN 358 recommended for use with Miller Kernmantel rope only.

TITAN™ ROPE GRAB



Rope grab for both vertical and horizontal applications.

Automatic Rope grab with anchorage line from 10m to 30m.

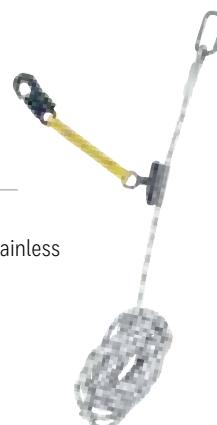
FEATURES & BENEFITS

Benefits:

- Automatically locks onto the rope in the event of a fall.
- Moves on the rope without manual intervention.
- 0.3m lanyard and connector facilitates attachment to harness.
- Easy-to-use design with hands-free operation for maximum freedom of movement.

Features:

- Durable and corrosion-resistant stainless steel construction.
- Lightweight.
- Includes rope anchorage line.
- Diameter 12mm



Ref.	Length	Description
10 111 90	10m	Rope grab
10 117 00	15m	Rope grab
10 111 91	20m	Rope grab
10 111 92	30m	Rope grab

CE Certified and conforms to EN 353-2





SCREW GATE KARABINERS



CS20

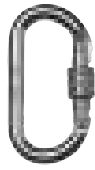


- Material: Aluminium.
- Opening: 30mm.
- Resistance: 25kN.
- Dim.: 104 x 58mm.
- Weight: 165g.
- Multi-purpose karabiner.

Ref

10 043 00/A

Conforms to Standard:
EN 362 Class B



CS20 ALU



- Material: Aluminium.
- Opening: 17mm.
- Resistance: 23kN.
- Dim.: 111 x 60mm.
- Weight: 80g.
- Multi-purpose karabiner.

Ref

10 092 76

Conforms to Standard:
EN 362 Class B



ML01



- Material: Aluminium.
- Opening: 19mm.
- Resistance: 30kN.
- Dim.: 110 x 65mm.
- Weight: 90g.
- Pear-shaped for easier belay.

Ref

10 028 33

Conforms to Standard:
EN 362 Class B



ML06



- Material: Aluminium.
- Opening: 21mm.
- Resistance: 22 kN.
- Dim.: 123 x 72mm.
- Weight: 93g.
- Multi-purpose karabiner.

Ref

10 189 61

Conforms to Standard:
EN 362 Class B

TWIST LOCK KARABINERS



CS20



- Material: Steel.
- Opening: 18mm.
- Resistance: 25kN.
- Dim.: 104 x 58mm.
- Weight: 172g.

Ref

10 189 63

Conforms to Standard:
EN 362 Class B



ZICRAL



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

Ref

10 189 68

Conforms to Standard:
EN 362 Class B



ZICRAL 2



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

Ref

10 083 42

Conforms to Standard:
EN 362 Class B



SUPER-TOP



- Material: Aluminium.
- Opening: 21mm.
- Resistance: 22kN.
- Dim.: 123 x 70mm.
- Weight: 90g.

Ref

10 189 69

Conforms to Standard:
EN 362 Class A/T



DOUBLE ACTION KARABINERS AND HOOKS



G030



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

Ref

10 043 00/A

Conforms to Standard:
EN 362 Class T



G060



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

Ref

10 189 72

Conforms to Standard:
EN 362 Class A



SNAP HOOK



- Material: Steel.
- Opening: 18mm.
- Resistance: 25kN.
- Dim.: 132 x 64mm.
- Weight: 240g.

Ref

10 189 73

Conforms to Standard:
EN 362 Class T



G055



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

Ref

10 092 49

Conforms to Standard:
EN 362 Class A



G085



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

Ref

10 092 58

Conforms to Standard:
EN 362 Class A



G0100



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

Ref

10 189 76

Conforms to Standard:
EN 362 Class A



ML04



- Material: Aluminium.
- Opening: 65 mm.
- Resistance: 22kN.
- Dim.: 255 x 120 mm.
- Weight: 470g.

Ref

10 189 77

Conforms to Standard:
EN 362 Class A

TRIPLE ACTION KARABINERS



FRELON



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

Ref

10 189 71

Conforms to Standard: EN 362 Class B



CIGALE



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

Ref

10 286 30

Conforms to Standard: EN 362 Class B



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

- have a static resistance.
- be located at a safe distance above any lower obstacles.
- be as vertical as possible to the work station to avoid the swing effect.

WEBBING ANCHORAGE SLING



Allows a reliable connection point which adapts to a wide range of anchorage points.

FEATURES & BENEFITS

Benefits:

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

Ref.	Length
10 029 16	0.6m
10 029 17	0.8m

Conforms to EN795b:1996

Features:

- 23mm yellow polyester webbing.
- Breaking strength: > 10kN.
- Colour coded to differentiate lengths.

Ref.	Length
10 032 45	1.0m
10 029 18	1.2m
10 029 19	1.5m



TITAN™



Webbing anchorage sling.

FEATURES & BENEFITS

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

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

Ref.	Length
10 083 60	0.6m
10 083 61	0.8m

Conforms to EN795b:1996 & EN566

Features:

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

Ref.	Length
10 083 62	1.0m
10 083 63	1.2m
10 083 64	1.5m





MJ51 STEEL SLING



FEATURES & BENEFITS

Benefits:

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

Ref.	Length
10 178 22	0.66m
10 028 97	1m
10 031 78	2m
10 031 79	3m

Conforms to EN 795b

Features:

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



GIRDER GRIP MJ52



FEATURES & BENEFITS

Benefit: Easy to use and open

- Lightweight.

Ref.	Ø
10 189 79	75mm
10 189 80	100mm
10 189 81	140mm

Conforms to EN 362 Class A

Features: Stainless steel

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



ANCHORAGE PLATE



FEATURES & BENEFITS

Benefit:

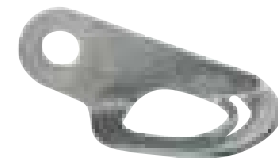
- Fall indicator allows the device to be checked easily.

Ref.
10 029 96

Conforms to EN 795 Class A1

Features: Stainless steel

- Fixing point diameter: Ø 13mm.
- Maximum load before deformation: 300kN.
- Weight: 0,062kg.
- Breaking strength: >20kN.



BEAM GLIDE



FEATURES & BENEFITS

Benefits:

- Fully adjustable beam anchorage device.
- Suitable for beam widths from 75mm to 360mm.

Ref.	Size
10 070 66	Unique

Conforms to EN 795b

Features:

- Aluminium construction.
- Breaking strength: 22kN.
- Weight: 1.4kg.





CROCHEVIT JIRAF



FEATURES & BENEFITS

Benefits: Allows an anchor point to be installed far overhead

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

Features:

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

Ref.

10 028 99

Conforms to EN 795 Class B

CROCHEVIT, JIRAF TO BE USED WITH:
TELESCOPIC POLE
FROM 6 TO 9.40M

See Next Page



G0100 JIRAF



FEATURES & BENEFITS

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

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

Features:

- Aluminium connector.
- Opening: 110mm.
- Weight 1.48kg

Ref.

10 029 81

Conforms to EN 795 Class B



G065 JIRAF



FEATURES & BENEFITS

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

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

Features:

- Aluminium connector.
- Opening: 65mm.
- Weight 1.05kg

Ref.

10 029 00

Conforms to EN 795 Class B



CROCHEVIT - MJ50



FEATURES & BENEFITS

Benefits: Easy-to-install

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

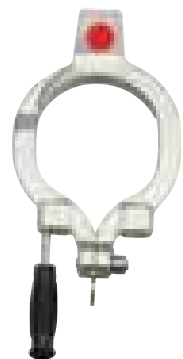
Features:

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

Ref.

10 028 96

Conforms to EN 795b Class B





SERPENT TEMPORARY HORIZONTAL LIFELINE



The durable solution for construction

FEATURES & BENEFITS

Benefits:

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

Features:

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

Ref.	Size
10 076 10	20m

Conforms to EN795b



WEBBING MOBILE LIFELINE WITH ANCHORAGE SLING



Webbing Temporary Horizontal Lifeline

FEATURES & BENEFITS

Benefits:

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

Features:

- Durable polyester webbing with 35 mm.
- Length adjuster.
- Delivered in a bag.

Ref.	Size
10 111 60	20m

Conforms to EN795b



TELESCOPIC POLE



Fixing an anchorage point from a distance

FEATURES & BENEFITS

Benefits: Light-weight

- Compact for easy transportation.
- Easy vertical deployment.

Features MK00:

- 3 elements for easier deployment from the ground.
- Retracted length: 2.6m.

Ref.	Extended Length
10 028 98	7.5m

Conforms to EN795b

Features JIRAF:

- 5 elements for easier deployment from the ground.

Ref.	Extended Length	Retracted Length
10 066 29	6m	1.55m
10 029 79	9.40m	2.44m

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





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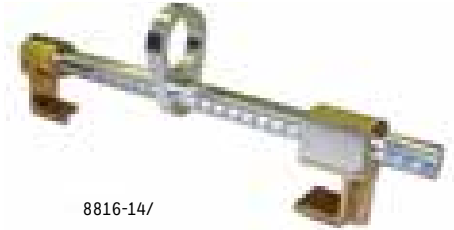
TEMPORARY ANCHORAGE CONNECTORS

Anchorage Connectors are designed as the intermediary for securing a connecting device to an anchorage. Careful consideration should be given to selecting a proper anchorage for ultimate safety. The anchorage should be easily accessible, located a safe distance above any lower obstacles and support 5,000 lbs. (22 kN) per worker.

MILLER SHADOW®**Sliding and Fixed Adjustable Beam Anchors**

Miller Shadow Sliding and Fixed Adjustable Beam Anchors connect horizontally to a wide range of I and H beam flanges from 3-in. (76 mm) to 24-in. (610 mm) wide and up to 2-1/2-in. (64 mm) thick. Once attached, the beam anchor (SKUs 8814 and 8816) slides along the beam with the worker to provide increased safety, mobility and productivity.

The fixed beam anchors (SKU 8815) are designed to be tightened horizontally or vertically, firmly gripping the beam or column to provide a temporary or permanent anchorage attachment.



8816-14/

SKU	Description	Fits Flange Sizes	Maximum Flange Thickness
8814-12/	Lightweight, sliding Shadow Beam Anchor – stainless steel & high-strength aluminum	4-in. to 12-in. (102 mm to 305 mm)	1-1/4 in. (32 mm)
8814-24/	Lightweight, sliding Shadow Beam Anchor – stainless steel & high-strength aluminum	12-in. to 24-in. (305 mm to 610 mm)	2-1/2 in. (63.5 mm)
8815-12/	Lightweight, fixed Beam Anchor – stainless steel & high-strength aluminum	4-in. to 12-in. (102 mm to 305 mm)	1-1/4 in. (32 mm)
8815-24/	Lightweight, fixed Beam Anchor – stainless steel & high-strength aluminum	12-in. to 24-in. (305 mm to 610 mm)	2-1/2 in. (63.5 mm)
8816-14/	Lightweight, sliding ShadowLite Beam Anchor – high-strength aluminum & bronze; 4.2 lbs. (2 kg)	3-in. to 14-in. (76 mm to 356 mm)	1-1/4 in. (32 mm)

Miller Shock-Absorbing Web Lanyards For Use With Miller Beam Anchors

8816-14/	Single leg, 6-ft. (1.8 m) shock-absorbing web lanyard w/Double SofStop pack, two locking snap hooks (designed for 12-ft. [3.7 m] fall – use w/beam anchors)
----------	---

MILLER GRIP™

The Miller Grip Anchorage connectors are reusable and can be removed and simply re-installed in a new location. Constructed of stainless steel, aluminum and other non-corrosive materials for a longer service life.

Miller Grip™ Anchorage Connector

A safe anchor point is established when the Miller Grip Anchor is inserted into a properly-sized, cured concrete hole. Designed for use in cured concrete with a compression strength of at least 3,000 psi (20.7 MPa), it can be used for vertical or overhead/ceiling surface applications.

Miller Grip Anchor (SKU 497/) can be used with SkyGrip™ Horizontal Lifeline components for a two-person system (see SkyGrip Kit [SG497/60FT] on pg. 18 for details)



496/



494/

SKU	Fits Flange Sizes	Description
MILLER Grip Anchorage Connector		
496/	3/4-in. (19 mm)	5,000-lb. (2,268 kg) ultimate strength; for single user connection; 400-lbs. (181 kg) maximum capacity
497/	1-in. (25 mm)	10,000-lb. (4,536 kg) ultimate strength; for single user connection; 400-lbs. (181 kg) maximum capacity
Miller Grip Friction Bolt Anchorage Connector		
494/	1 1/2-in. (39 mm)	10,000 lbs. (4,536 kg) ultimate strength; for single user 400-lbs. (181 kg) maximum capacity



MILLER SWIVEL ANCHORS

with 360° rotation

Revolutionary swivel design provides freedom of movement!

New Miller Swivel Anchors, with a revolutionary 360° rotation, connect to a worker's fall arrest system to safely protect while working at heights and include options for use in concrete and steel. Select from the Miller Swivel Anchors with D-ring or the Miller Drop-Through Swivel Anchors to meet your specific application needs.

Miller Swivel Anchors with D-ring

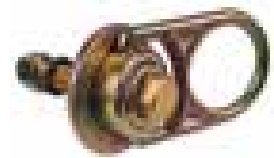
SKU	Description	Weight
10,000 lb (10K) Swivel Hybrid Anchor		
RACSWH100Y	10K Removable/reusable concrete anchor with swivel D-ring	2.1 lb (1.0 kg)
10,000 lb (10K) Zinc-Plated Swivel Anchors		
RACSWY100N	10K zinc-plated swivel only (hardware not included)	1.4 lb (0.6 kg)
RACSWY100S	10K zinc-plated swivel anchor with steel mounting hardware	1.9 lb (0.9 kg)
RACSWY100C	10K zinc-plated swivel anchor with concrete mounting hardware	2.1 lb (1.0 kg)
RACSWY1SBA	Steel mounting hardware only (swivel not included)	-
RACSWY1CSA	Concrete mounting hardware only (swivel not included)	-
RACSWP100N-KIT	Weld kit for RACSWY100N	2.3 lb (1.0 kg)
RACSWX100N	Steel back plate for RACSWY100N (bolt not included)	1.7 lb (0.8 kg)
5,000 Lb (5K) Stainless Steel Swivel Anchors		
RACSWS100N-316	5K stainless steel swivel only (hardware not included)	1.4 lb (0.6 kg)
RACSWS100S-316	5K stainless steel swivel anchor with stainless steel mounting hardware	2.0 lb (0.9 kg)
RACSWS100C-316	5K stainless steel swivel anchor with concrete mounting hardware. RACDNC-TOOL required (sold separately)	1.9 lb (0.9 kg)
RACSWS1SBA-316	Stainless steel mounting hardware only (swivel not included)	-
RACSWS1DNC-316	Concrete mounting hardware only (swivel not included)	-
RACDNC-TOOL	Concrete bolt assembly tool	0.7 lb (0.3 kg)
RACSWP100N-316	Weld kit for RACSWS100N-316	3.7 lb (1.7 kg)
5,000 lb (5K) Zinc-Plated Swivel Anchors		
RACSWY050N	5K zinc-plated swivel only (hardware not included)	0.8 lb (0.4 kg)
RACSWY050S	5K zinc-plated swivel anchor with steel mounting hardware	1.1 lb (0.5 kg)
RACSWY050C	5K zinc-plated swivel anchor with concrete mounting hardware	1.2 lb (0.5 kg)
RACSWY2SBA	Steel mounting hardware only (swivel not included)	-
RACSWY2CSA	Concrete mounting only (swivel not included)	-

Miller Drop-Through Swivel Anchors

SKU	Description	Weight
RACDTA-5K/6FT	6-ft. (1.8 m) 5K drop-through anchor with 4-in. (10 cm) round plate & swivel	1.6 lb (0.7 kg)
RACDTA-5K6/6FT	6-ft. (1.8 m) 5K drop-through anchor with 6-in. (15 cm) square plate & swivel	2.6 lb (1.2 kg)
RACDTA-5K12/6FT	6-ft. (1.8 m) 5K drop-through anchor with 12-in. (30 cm) square plate & swivel	9.0 lb (4.1 kg)



RACSWH100Y



RACSWY100S



RACSWS100S-316



RACSWY050S



RACDTA-5K6/6FT



TEMPORARY ANCHORAGE CONNECTORS



Cross-Arm Anchorage Connectors

6-ft. (1.8 m) web Cross-Arm Strap wraps around I-beams and other structures and attaches with a 2-in. (51 mm) D-ring that slips through a 3-in. (76 mm) D-ring to form a secure attachment point for lanyards and other connecting devices. 400-lbs. (181 kg) maximum capacity.

8183/3FTGN - 3-ft. (0.9 m) model

8183/6FTGN - 6-ft. (1.8 m) model



Looped Cross-Arm Anchorage Connectors

The looped cross-arm anchorage connector features a 2-in. (50 mm) D-ring which slips through looped webbing. 400-lbs. (181 kg) maximum capacity.

8185/3FTGN - 3-ft. (0.9 m) model

8185/6FTGN - 6-ft. (1.8 m) model

8185K/6FTBK - 6-ft. (1.8 m) Nomex/Kevlar model



Cable Anchorage Connector

The Cable Anchorage Connector creates quick, easy and secure anchorage attachment. Constructed of 1/4-in. (6 mm) vinyl-coated, galvanized cable and a steel 3-in. (76 mm) O-ring. Standard length is 6 ft. (1.8 m); additional lengths available. 400-lbs. (181.4 kg) maximum capacity.

8187V/6FTV - 6-ft. cable with steel captive eye carabiner with 1-in. (25 mm) gate opening

8186V-Z7/6FTV - 6-ft. cable with steel locking snap hook with 3/4" gate opening



Cross-Arm Chain Anchor

The 6-ft. (1.8 m) Chain Anchor provides a single user with an easy-to-install, temporary anchorage connector. It easily wraps around I-beams or other structures. This product safely wraps around corners and sharp edges and is ideal to use in environments where chemical, heat or welding splatter may occur. 400-lbs. (181 kg) maximum capacity.

440/6FT



Disposable Concrete Anchor Strap

Uniquely designed to provide temporary anchorage on concrete forms. Constructed of 1-3/4-in. (44 mm) wide, abrasion-resistant webbing. Standard lengths of 2 ft. (.6 m) and 4 ft. (1.2 m); additional lengths available.

8185C/4FTGN - anchor strap with steel D-ring capable of withstanding 5,000 lbs. (22 kN).

8185CX/4FTGN - anchor strap with web loop on each end with inner wear pad for carabiner attachment



Rebar Hook Anchor

Designed to facilitate anchoring to scaffolding, pipe or angle iron, and features a locking rebar hook with SofStop Shock Absorber and a D-ring on the other end to accommodate the connecting device. 310-lbs. (140.6 kg) maximum capacity.

485-Z7/22INYL

Features a locking rebar hook for easy, one-hand installation and a D-ring on the other end to accommodate the connecting device. 400-lbs. (181.4 kg) maximum capacity.

480-Z7/19INGN

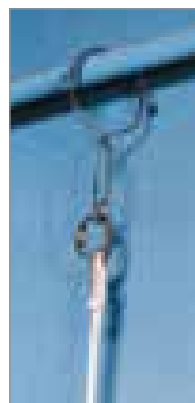


Push-Thru Eye Bolt Anchors

Spring-action anchorage connector offers simple one-hand installation and can be used for a wide range of applications. Fits 3/4-in. (19 mm) dia. holes and includes the integral SofStop Shock Absorber.

420/22IN; 310-lbs. (140.6 kg) maximum capacity.

420NS/ (w/o shock absorber); 400-lbs. (181 kg)



Wire Hook Anchor

Stainless steel **Wire Hook** connects to various approved anchorages including railings, small I-beams, angle iron and scaffolding. Simply squeeze the spring-loaded hook and slip the large opening over the approved structure. 400-lbs. (181 kg) maximum capacity.

470/



Aerial Lift Boom Strap

Made of 2-in. (51 mm) nylon webbing. Includes a sliding D-ring for proper placement on booms and an adjustable buckle that easily tightens into position.

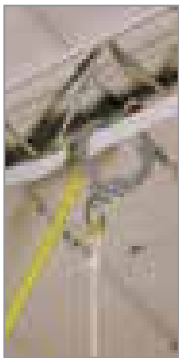
6404/50INYL



Boom Strap

Made of 2-in. (51 mm) polyester webbing. Features a steel ratchet buckle with a leather wear pad.

M10FD/10FTYL



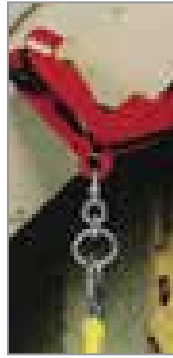
Extension Pole and Hook Anchors

The 20-ft. (6 m) fiberglass pole and spring-loaded hook is ideal for use with climbing ladders and towers. Installs fall arrest systems up to 20 ft. (6 m) from ground level to angle iron, piping and related structures. 400-lbs. (181 kg) maximum capacity.

475/

475-1/ (Anchor Hook only)

475-2/ (Anchor Extension Pole only)



Beam Clamps

The **Beam Clamp** is a steel anchor point that can be attached to horizontal I-beams, S-beams or W-beams. Its swivel attachment ring prevents twisting of the worker's connecting device.

450/ accommodates beams with a maximum width of 9 in. (229 mm).

455/ accommodates beams with a maximum width of 12-1/2 in. (318 mm). 400-lbs. (181.4 kg) maximum capacity.



Concrete D-Bolt Anchorage Connector

417C/ includes a 5/8-in. (16 mm) stud-type expansion anchor that is ideal for applications with concrete and lightweight concrete that meet required specifications (min. 2,000 psi [13.8 MPa]). Can be installed on a vertical wall or overhead for versatility. Concrete Expansion Bolt (417CBOLT/) available separately.

417C/ - Concrete D-Bolt Anchorage Connector

417CBOLT/ - Concrete Expansion Bolt



Carabiners – 400-lbs. (181.4 kg) maximum capacity Steel double-lock carabiner;

1-in. (25 mm) gate opening.

17D-1/



Lightweight, aluminum double-lock carabiner;

.79-in. (20 mm) gate opening.

17D-2-Z7/



Lightweight, aluminum triple-lock carabiner;

.94-in. (24 mm) gate opening.

17D-3-Z7/



Large, steel double-lock carabiner;

2-in. (51 mm) gate opening.

18D-1/



Large, aluminum double-lock carabiner;

2-in (51mm) gate opening.

18D-2-Z7/



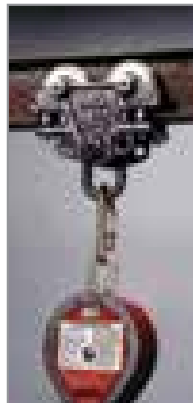
PERMANENT ANCHORAGE CONNECTORS



Mounted D-Ring

Steel **D-Ring Anchor** with plate, complete with four 3/8-in. (111 mm) diameter bolts, lockwashers, nuts and drilling template

410/



Beam Trolley

Adjustable and slides along with the worker to provide maximum mobility.

9065/BK adjusts to fit beam flanges from 3-in. (76 mm) to 4-1/2-in. (114 mm) wide.

Lightweight Beam Trolley Retrofit Kits:

9065-1/ Kit converts 9065/BK beam trolley to accommodate I-beams up to 8-1/2-in. (216 mm) wide.

9065-2/ Kit converts 9065/BK beam trolley to accommodate I-beams up to 12-in. (305 mm) wide. 400-lbs. (181.4 kg) maximum capacity.



D-Bolt Anchor

D-Bolt Anchor for up to 3/4-in. (19 mm) working thickness includes a 1/2-in. (13 mm) diameter bolt with lockwasher and nut (415/).



D-Bolt Anchor

For up to 4-in. (102 mm) working thickness. Includes a 5/8-in. (16 mm) diameter bolt with lockwasher and nut

416/ - D-Bolt Anchor with hardware

416SS/ - Stainless steel D-Bolt Anchor with hardware

417/ - D-Bolt Anchor without hardware

417SS/ - Stainless Steel D-Bolt Anchor without hardware

SÖLL ROOF ANCHOR NEW

The Söll Roof Anchors can be deployed as Single Anchor Points on virtually all the major roof types including Concrete, Metal Sheathing, Membrane, Sandwich and Standing Seam. The cutting edge design of the Söll Roof Anchors allows customers to benefit from modern roofing design whilst ensuring superior safety and structural integrity. Each anchor comprises an anchorage eye and the fixation material to the substructure. The posts with baseplates have a built-in energy absorbing function. The lightweight design enables easy transport to the roofs, all anchors can be easily and quickly mounted with standard tools.

Standards:



EN 795:2012 tested. DIBt certified (for Concrete and Trapezoidal anchors)

The Söll Roof Anchors must only be used in combination with the following safety accessories:

For work presenting a risk of falls, EN 363 compliant fall arrester and EN 355 compliant shock absorbers;

For workplace positioning, EN 358 compliant restraining systems;

Rescue systems complying with EN 1496, 1497 and 1498.





Four different types of products to adapt to any kind of roof:

CONCRETE ROOF ANCHOR

Advantages:

- + Built-in energy absorption function
- + Strong support with baseplate for a concrete surface
- + Suitable for up to four users
- + Easy installation with four drive-in dowels

Part number	Order reference	Description
27803	10 346 64	300mm height
27804	10 346 65	400mm height
27805	10 346 66	500mm height
27806	10 346 67	600mm height
27807	10 346 68	700mm height



TRAPEZOIDAL ROOF ANCHOR

Advantages:

- + Built-in energy absorption function
- + Optimal for trapezoidal substructure
- + Suitable for up to three users
- + Simple attachment with self-cutting screws

Part number	Order reference	Description
27799	10 346 60	300mm height
27800	10 346 61	400mm height
27801	10 346 62	500mm height
27802	10 346 63	600mm height



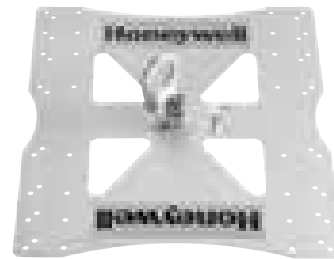


SANDWICH ROOF ANCHOR

Advantages:

- + Flexibility thanks to two anchor types covering all standard Sandwich Roofing systems
- + Also usable for trapezoidal substructure (negative)
- + Fast installation with self-cutting screws
- + Suitable for up to three users

Part number	Order reference	Description
27809	10 346 69	SW-1 - Beading distance: 243/ 250/ 310/ 333 mm
27810	10 346 70	SW-2 - Beading distance: 183/ 207/ 275/ 280 mm

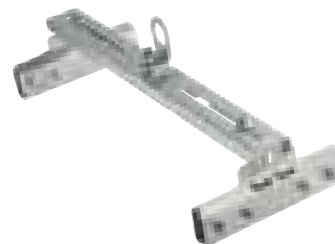


STANDING SEAM ANCHOR

Advantages:

- + Taylor-made for rounded-edge standing seam roofs (like e.g. Kalzip and BEMO)
- + Easy clamp installation
- + Suitable for multiple users

Part number	Order reference	Description
27811	10 346 71	up to 2 users





MOBILE ANCHORAGE CONNECTORS

MILLER EDGE™

Fall Protection System

The first and only cost-effective, portable, engineered anchorage solution designed to protect workers engaged in leading edge deck construction. The **Miller Edge System** reduces the need for a safety monitor or a temporary cable lifeline system on leading edge deck construction.

- Freestanding, mobile overhead anchor point
- Solid wheel casters
- Two integral eye bolt attachment points accommodate self-retracting lifelines
- Predetermined integral lifting points
- Heavy-duty steel construction with protective enamel paint
- Easy access handles on front and rear



9081/

Applications: Concrete deck construction, bridge decks, window washing, vault entry, rescue situations

SKU	Description
9081/	Standard Miller Edge with 7-1/2-ft. (2.3 m) anchorage height
9081/6.5FT	Miller Edge with 6-1/2-ft. (2 m) anchorage height
9081/9.5FT	Miller Edge with 9-1/2-ft. (2.9 m) anchorage height; includes 300-lb. (136 kg) additional required counterweight
9081/VBK-9.5FT	9-1/2-ft. (2.9 m) height conversion kit; includes 9081/VB-9.5FT & 9081WT/300LB; converts a Standard Edge System (9081/) into a 9-1/2-ft. (2.9 m) high anchorage system
9081/VB-9.5FT	Vertical boom for 9-1/2-ft. (2.9 m) high Edge System; boom measures 108 in. (2.7 m)
9081/VB-6.5FT	Vertical boom for 6-1/2-ft. (2 m) high Edge System; boom measures 72 in. (1.8 m)
9081WT/300LB	Set of 300-lb. (136 kg) counterweights required for 9-1/2-ft. (2.9 m) high Edge System
9081MRMB/	MightEvac SRL with Emergency Retrieval Hoist Bracket for Edge System; holds 1 or 2 MightEvac SRLs (MightEvac SRL, bracket & pulley sold separately)
9082/	Swivel Bracket (retrofit) for 20-ft. (6 m) & 30-ft. (9 m) MightyLite SRL (optional)
9083/	Swivel Bracket (retrofit) for 50-ft. (15 m) & 65-ft. (20 m) MightyLite SRL (optional)

9082/
Swivel Bracket

MILLER SKYORB™

Overhead Rotational Boom Anchor

The new SkyORB Overhead Rotational Boom Anchor provides a safe overhead anchorage that is designed specifically for use around vehicles, utilizing the vehicle weight to secure the anchor for proper fall arrest, eliminating the need for heavy and bulky counter weights. The SkyORB Anchor is a pre-engineered system that replaces the need for very expensive, custom engineered, fixed overhead anchor systems.

- Provides workers with an easy and quick connection with their fall arrest system while working at height
- Designed to eliminate the need for heavy and bulky counter weights by utilizing vehicle weight to safely secure the system in place
- Weighing only 1,050 lbs. (476 kg), it is significantly lighter than competitive systems on the market
- The adjustable telescoping mast allows the height of the system to be varied from 14 ft.–20 ft. (4 m - 6 m) to accommodate lower roofs and overhead obstacles
- Features a boom that rotates 360°, allowing it to be easily positioned above the worker's head, minimizing free-fall distance and swing fall
- Patented energy absorbing technology reduces forces on the system
- Modular design is easy to assemble and transport using only a forklift

SKU	Description	Weight*	Crate Dimensions* L x W x H
SORBSYS	Cable assembly kit, base, mast and boom	1,530 lbs (694 kg)	121" x 40" x 19" (3 m x 1 m x 0.5 m)
SORBCABLEKIT	Shock absorber cable assembly replacement kit (includes cable with swaged ends, two (2) shock absorbers, a clevis and pin, and one (1) carabiner)	8 lbs. (3.63 kg)	72" x 6" x 6" (1.83 m x 0.15 m x 0.15 m)

*Shipping weight displayed. Product weight is 1,050 lbs. (476 kg). Dimensions displayed reflect measurements of the crate for shipping purposes.





RIGID RAIL SYSTEMS

The safest solution for virtually every environment. Featuring an open track design, exclusively engineered for easy movement, Rigid Rail Systems provide the highest degree of mobility and safety, while reducing the risk of injury in elevated work environments. Available in various configurations and support center distances, these systems make fall protection easily customizable and cost-effective.

Inverted “L” System

This system provides fall protection coverage while working on top of vehicles or elevated machinery. The single foundation design is ideal in areas where space for a foundation is limited. Select from 20 ft., 40 ft., or 60 ft. (6 m, 12 m, or 18 m) of fall protection coverage. System height is 30 ft. or 32 ft. (9 m or 10 m), depending which model is selected, and can hold up to (2) two workers at a time. Note: This system includes a rebar cage assembly for the standard foundation.

“T” Dual Track System

This system provides dual fall protection coverage for those working side-by-side on top of vehicles or elevated machinery. The single foundation design and parallel tracks make this system ideal for railroad tracks running parallel in close proximity to each other or two truck loading stations. Select from 20 ft., 40 ft., or 60 ft. (6 m, 12 m, or 18 m) of fall protection coverage. System height is 32 ft. (10 m) and can hold up to (4) four workers at a time.

Note: This system includes a rebar cage assembly for the standard foundation.

“P” Series System

This portable system provides an economical solution for fall protection needs in areas that require temporary fall protection. The modular design allows for the system to be transported by forklift to a new location in just minutes. Select from 20 ft., 40 ft., or 60 ft. (6 m, 12 m, or 18 m) of fall protection coverage. System height is 25 ft. to 27 ft. (8 m) depending which model is selected and can hold up to (2) two workers at a time.

Note: This system includes materials for the required assembly including base and counterweights. Ideal solution for mines and quarries.

SKU	Description	System Height	Rail Length	Weight
Inverted “L” System (Each system includes a tagline assist kit, providing the ability to store the tagline when not in use)				
FSL0020	Rigid Rail system for up to (2) two workers with one beam trolley (additional beam trolley sold separately)	30-ft. (9.1 m)	19-ft. (5.8 m)	2,475 lbs. (1,123 kg)
FSL0040	Rigid Rail system for up to (2) two workers with one beam trolley (additional beam trolley sold separately)	32-ft. (9.8 m)	39-ft. (11.9 m)	3,336 lbs. (1,513 kg)
FSL0060	Rigid Rail system for up to (2) two workers with one beam trolley (additional beam trolley sold separately)	32-ft. (9.8 m)	54-ft. (16.5 m)	3,936 lbs. (1,785 kg)
FSLSPH	Single point anchorage system (rigid rail not included)	30-ft. (9.1 m)	-	1,875 lbs. (850 kg)
“T” Dual Track System (Each system includes a tagline assist kit, providing the ability to store the tagline when not in use)				
FST0020	Rigid Rail system for up to (4) four workers with two beam trolleys (additional trolleys sold separately)	32-ft. (9.8 m)	19-ft. (5.8 m)	3,048 lbs. (1,383 kg)
FST0040	Rigid Rail system for up to (4) four workers with two beam trolleys (additional trolleys sold separately)	32-ft. (9.8 m)	39-ft. (11.9 m)	5,861 lbs. (2,659 kg)
FST0060	Rigid Rail system for up to (4) four workers with two beam trolleys (additional trolleys sold separately)	32-ft. (9.8 m)	54-ft. (16.5 m)	6,461 lbs. (2,930 kg)
FSTSPH	Single point anchorage system (rigid rail not included)	32-ft. (9.8 m)	-	2,498 lbs. (1,133 kg)
“P” Series System (Each system includes a tagline assist kit, providing the ability to store the tagline when not in use)				
FSP0020	Rigid Rail system for up to (2) two workers with one beam trolley (additional beam trolley sold separately)	27-ft. (8.2 m)	22-ft. (6.7 m)	10,362 lbs. (4,700 kg)
FSP0040	Rigid Rail system for up to (2) two workers with one beam trolley (additional beam trolley sold separately)	26-ft. (8.0 m)	39-ft. (11.9 m)	23,440 lbs. (10,632 kg)
FSP0060	Rigid Rail system for up to (2) two workers with one beam trolley (additional beam trolley sold separately)	26-ft. (8.0 m)	57-ft. (17.4 m)	23,928 lbs. (10,854 kg)
FSPSPH	Single point anchorage system (rigid rail not included)	25-ft. (7.6 m)	-	9,762 lbs. (4,428 kg)



Rigid Rail System Inverted "L"



Rigid Rail System "T" Dual Track



Rigid Rail System "P" Series

AERIAL LIFT KITS

Miller Aerial Lift Kits offer a complete personal fall arrest system for lift truck applications.

Personal Fall Limiter Kit

Includes: Miller TurboLite™ PFL, Miller® Harness, and a Durable Carrying Case

SKU	Description
MK650-4UMFL-1/6FTC	<ul style="list-style-type: none"> - Universal (L/XL) full-body harness w/tongue buckle leg straps (650-4/UYK) - 6-ft. (1.8 m) Miller TurboLite PFL w/twist-lock carabiner and locking snap hook (MFL-1-Z7/6FT) - Durable carrying bag (702B/BK)

Lanyard Kit

Includes: DuraFlex® Harness, Manyard® II Shock-Absorbing Lanyard and an Aerial Lift Boom Strap

SKU	Description
8112L/UGN	<ul style="list-style-type: none"> - DuraFlex® Utility Harness (E752/UGN) - Manyard® II Shock-Absorbing Lanyard (233M-Z7/6FTGN) - Aerial Lift Boom Strap (6404/50INVL)





HORIZONTAL LIFELINE KITS

MILLER SKYGRIP™

Temporary Horizontal Lifeline Systems

- Designed for easy installation on steel and concrete applications
- Interchangeable stanchion posts enable systems to be used for steel or concrete applications maximizing investment and increasing versatility
- Above the beam quick installation and adjustment for increased safety
- Stainless steel energy absorber minimizes fall clearance
- Tension indicator ensures proper tensioning which is critical to knowing fall clearance
- Continuous pass-through design provides 100% tie-off connection with multi-span systems
- Lightweight, compact and provides easier handling, installation, and storage
- Durable zinc-plated steel construction provides corrosion resistance for increased durability and longer service life



For Concrete Applications

Miller SkyGrip Temporary Horizontal Lifeline Systems for concrete applications feature **unique** stanchion adjustment that allows the anchorage to be repositioned, minimizing obstruction and increasing safety.

- Uniquely designed for angled adjustment – swings out of the way when placing deck-pans between beams (common in bridge construction)
- Slider bracket tensions tie-back chain to minimize fall clearance
- Bases can be positioned parallel or perpendicular to the beam
- Three methods of attachment include:



V-Grip rebar attachments
(Rebar sizes 4 to 11)



Expansion anchor bolts
(Purchased separately)



Precast inserts
(Purchased separately)



Slider bracket assists
with quick installation



Complete system includes stanchions, tie-back brackets, chain connectors, slider brackets, energy absorber(s), line tension indicator, turnbuckle, cable and hardware. Attach to rebar, coil inserts or concrete expansion bolts.

SKU	Description	Number of Stanchions	Pass-through Brackets for Intermediate Stanchions	Number of Energy Absorbers	Workers per System
SGC/30FT	30-ft. (9 m) system	2	No intermediate stanchions	1	2
SGC/60FT	60-ft. (18 m) system	2	No intermediate stanchions	1	2
SGC/120FT	120-ft. (37 m) system	3	1	2	4
SGC/180FT	180-ft. (55 m) system	4	2	2	5
SGC/240FT	240-ft. (73 m) system	5	3	2	5
SGC/300FT	300-ft. (91 m) system	6	4	2	5

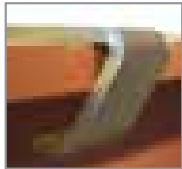
SKU	Description
SYSTEM COMPONENTS	
SGC	Concrete stanchion w/base
SGCB	Base for concrete
SGCA	Set of two (2) tie-back brackets, two (2) chain connectors, two (2) slider brackets & hardware



For Steel Applications

Miller SkyGrip Temporary Horizontal Lifeline Systems for steel applications are compact and lightweight for easy installation, while providing greater user mobility for increased productivity.

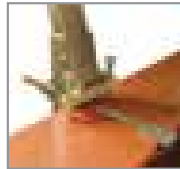
- Two base/crossbar adjustment systems accommodate wide range of steel beam sizes
- Low-profile crossbar – reduces trip hazard
- Quick grip above-the-beam adjustment – patent-pending design allows for easy one-person installation and dismantle, increasing safety and productivity



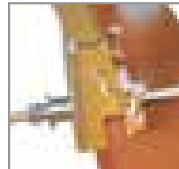
Position crossbar



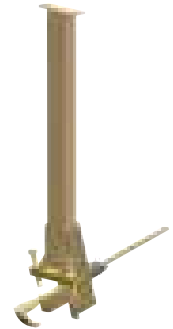
Fine-tune adjustment



Stanchion installation complete



All adjustments above-the-beam



Complete system includes stanchions, energy absorber(s), line tension indicator, turnbuckle, cable and hardware.

SKU	Description	Number of Stanchions	Pass-through Brackets for Intermediate Stanchions	Number of Energy Absorbers	Workers per System
WITH STANDARD BASE – Fit beam flanges 4-in. to 18-in. (.1 m to .5 m) wide and up to 2-1/4-in. (57 mm) thick.					
SGS18/30FT	30-ft. (9 m) system	2	No intermediate stanchions	1	2
SGS18/60FT	60-ft. (18 m) system	2	No intermediate stanchions	1	2
SGS18/120FT	120-ft. (37 m) system	3	1	2	4
SGS18/180FT	180-ft. (55 m) system	4	2	2	6
SGS18/240FT	240-ft. (73 m) system	5	3	2	6
SGS18/300FT	300-ft. (91 m) system	6	4	2	6
WITH LARGE BASE – Fit beam flanges 4-in. to 36-in. (.1 m to .9 m) wide and 1-in. to 3-3/8-in. (25 mm to 86 mm) thick.					
SGS36/30FT	30-ft. (9 m) system	2	No intermediate stanchions	1	2
SGS36/60FT	60-ft. (18 m) system	2	No intermediate stanchions	1	2
SGS36/120FT	120-ft. (37 m) system	3	1	2	4
SGS36/180FT	180-ft. (55 m) system	4	2	2	6
SGS36/240FT	240-ft. (73 m) system	5	3	2	6
SGS36/300FT	300-ft. (91 m) system	6	4	2	6

SYSTEM COMPONENTS	Beam Flange Width	Beam Flange Thickness	
SGS18	Stanchion w/standard base	4-in. to 18-in. (.1 m to .5 m)	Up to 2-1/4-in. (57 mm)
SGS36	Stanchion w/large base	12-in. to 36-in. (.3 m to .9 m)	2-1/4-in. to 3-3/8-in. (57 mm to 86 mm)
SGSB18	Standard base	4-in. to 18-in. (.1 m to .5 m)	Up to 2-1/4-in. (57 mm)
SGSB36	Large base	4-in. to 36-in. (.1 m to .9 m)	1-in. to 3-3/8-in. (25 mm to 86 mm)
SGSEXT18	Standard ext. bar w/adjuster	4-in. to 18-in. (.1 m to .5 m)	Up to 2-1/4-in. (57 mm)
SGSEXT36	Large extension bar w/adjuster	4-in. to 36-in. (.1 m to .9 m)	1-in. to 3-3/8-in. (25 mm to 86 mm)

Components for both Steel and Concrete Applications

SKU	Description
SGP	Stanchion post
SGIH	Intermediate pass-through kit
SGXK	SkyGrip Stainless Steel Energy Absorber Kit w/tension indicator & two (2) shackles
SGX	SkyGrip Stainless Steel Energy Absorber



MILLER SKYGRIP™ HORIZONTAL LIFELINE KITS

Galvanized Cable Horizontal Lifeline System Kits

A **Miller SkyGrip Cable Lifeline** may be used in conjunction with approved Miller brand anchorage connectors to provide a temporary horizontal lifeline system that is quick and easy to install.



416/

Miller D-Bolt Anchors may be installed to approved structures to provide a temporary or permanent anchorage.

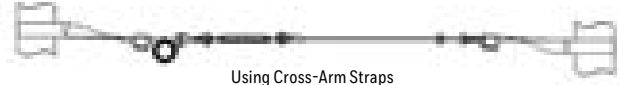


Using D-Bolt Anchors



8183

Miller Cross-Arm Straps conveniently wrap around I-beams and other structures to form secure points of attachment.



Using Cross-Arm Straps



497/

Miller Grip Anchors may be used in concrete substrate or mining friction bolts to provide secure points of attachment.



Using Miller Grip Anchors



8815-12/

Miller Fixed Beam Anchors connect both horizontally and vertically to beams or columns. A durable, spring-loaded, positive-lock engagement pin ensures proper installation.



Using Fixed Beam Anchors

SKU	Description
SG416/60FT	60-ft. (18.3 m) Kit w/two SKU 416/ D-Bolt Anchors
SG417/60FT	60-ft. (18.3 m) Kit w/two SKU 417/ D-Bolt Anchors
SG494/60FT	60-ft. (18.3 m) Kit w/two SKU 494/ Mining Bolt Anchors
SG497/60FT	60-ft. (18.3 m) Kit w/two SKU 497/ Grip Anchors
SG8183-10/60FT	60-ft. (18.3 m) Kit w/two 10-ft. (3 m) SKU 8183 Cross-Arm Straps
SG8815-12/60FT	60-ft. (18.3 m) Kit w/two SKU 8815-12/ Fixed Beam Anchors
SG8815-24/60FT	60-ft. (18.3 m) Kit w/two SKU 8815-24/ Fixed Beam Anchors

Stainless Steel Horizontal Lifeline System Kits

Miller SkyGrip Stainless Steel Permanent Horizontal Lifeline Systems Kits are designed for quick, easy installation in corrosive environments. A variety of innovative features have been engineered into these systems, making them extremely user friendly with enhanced safety considerations.

- Single span systems – spans adjust up to 60-ft. (18.3 m) and accommodate up to two workers
- Compact and lightweight – provides for easier handling and installation
- Ideal for corrosive environments – designed for petrochemical, pharmaceutical, food processing, outdoor and off-shore applications



SKU	Length	Description
SGLLK-FS/30FT	30 ft. (9 m)	SS lifeline; four (4) SS anchor shackles, turnbuckle, cable clamps, tension indicator, thimble & energy absorber
SGLLK-FS/60FT	60 ft. (18 m)	SS lifeline; four (4) SS anchor shackles, turnbuckle, cable clamps, tension indicator, thimble & energy absorber
SG416-FS/60FT	60 ft. (18 m)	SS lifeline kit (SGLLK-FS/60FT); two (2) 416SS/ D-Bolt Anchors
SG417-FS/60FT	60 ft. (18 m)	SS lifeline kit (SGLLK-FS/60FT); two (2) 417SS/ D-Bolt Anchors
SGXK-FS	–	SS energy absorber kit with SS tension indicator, two (2) SS anchor shackles & SS hardware
416SS/	–	SS D-bolt anchor, 5/8-in. (16 mm) hole for hardware, 5/8-in. (16 mm) dia. x 5-in. (127 mm) long SS bolt w/nut & washer
417SS/	–	SS D-bolt anchor, 5/8-in. (16 mm) hole for hardware, does not include hardware



MILLER TECHLINE™

Temporary Horizontal Rope Lifeline System Kits

A premium temporary horizontal rope lifeline system for **two workers**. The black static kernmantle lifeline provides ultimate durability for tough environments while reducing fall clearance requirements. An in-line system shock absorber reduces forces while O-ring connections allow for ease of mobility. The systems are quick and easy to install, lightweight and portable.

- Low-stretch rope lifeline for better performance/less deflection
- Kit accommodates two workers
- Lightweight kit; easy to carry
- Quick and easy to install for increased productivity
- Cross-arm anchorage straps for easy installation
- Connecting O-rings for greater mobility
- Shock absorber pack reduces fall arrest forces
- Designed so anchorage points only need to be rated for 5,000 lbs. (22 kN)
- Rope lifeline adjuster to accommodate required length
- Waterproof bucket for safe storage



SKU	Description	Kit Contents
HLLR2-Z7/30FT	30-ft. (9 m) Rope Temporary HLL System	11/16-in. (17.5 mm) kernmantle-style rope lifeline / Lifeline adjuster / Two (2) heavy-duty cross-arm for two workers, anchorage straps / Shock absorber pack / Two (2) connecting O-rings / Waterproof bucket
HLLR2-Z7/60FT	60-ft. (18 m) Rope Temporary HLL System	11/16-in. (17.5 mm) kernmantle-style rope lifeline / Lifeline adjuster / Two (2) heavy-duty cross-arm for two workers, anchorage straps / Shock absorber pack / Two (2) connecting O-rings / Waterproof bucket



SÖLL ANCHORAGES

Screw-fix eyes with EN 795-a* and en50308 certification

FEATURES & BENEFITS

Benefits:

- Easy to install* in threaded holes or with self-locking nuts.
- Rated for two persons or 22kN.

Features: Load-indicating eyes

- High-visibility EN50308 yellow colour.
- Corrosion-resistant stainless steel.
- Swivel anchorage eye with a unique S-shaped profile.
- Safely deforms under excessive load, giving a clear indication of the need for replacement after a fall.



Ref.: 10 304 91



Ref.: 10 315 84

Ref.	Description
10 304 91	Söll Eye Anchor
10 315 84	Söll Turn Eye

Ref.	Description
10 315 81	Söll Anchorage Eye

* EN 795-A anchorages shall be installed by a competent engineer in accordance with approved national standards, and inspected at least once every 12 months (6 months if used for work positioning or suspension).



Ref.: 10 315 81

DURAHOIST™ TOTEM ANCHORAGE POST

Securing access and maintenance work with low space clearance.

Designed to provide a safe anchorage point.

FEATURES & BENEFITS

Benefits: Work safely in factor 1

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

Features: Lightweight and resistant

- Aluminium post.
- "S" anchorage with fall indicator deformed in case of a fall.
- 2 operators maximum on each S – up to 4 operators.
- Light: only 7.5kg.

Stainless steel base plate

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

Ref.	Description
10 295 02	Aluminium Post

Conforms to EN795 class A-1, when used with the plate

Ref.	Description
10 295 03	Stainless steel base plate
10 297 20	Accessory, Totem transportation bag

Conforms to EN795 class A-1





ROPE ASCENDER



FEATURES & BENEFITS

Benefits:

- Ascenders are designed to connect easily onto the rope with one hand.
- Comfortable and efficient grip for improved climbing control.

Features:

- Ideally used in conjunction with a foot-loop.
- The manual ascender incorporate a lightweight alloy handle.
- Enables the operator to ascend a fixed rope.
- For rope diameters 10-13mm.
- Weight 0.21kg.

Ref.	Description
10 070 41	Right-hand ascender
10 073 93	Left hand ascender

Conforms to EN 567



CAM-CLEAN ASCENDER



FEATURES & BENEFITS

Benefits: Increase safety

- Used in conjunction with the rope ascender.
- Chest ascender designed to hold the operator in a comfortable upright position.

Features:

- Rope diameter: 8mm to 12mm.
- Anti return system.
- Weight: 0.16kg.

Ref.	Size
10 042 54	Unique

Conforms to EN 567



SHORCO SLING AND FOOT LOOP SET



FEATURES & BENEFITS

Benefits: Foot lock technique to climb

- Used in conjunction with the Rope Ascender and Cam-Clean.
- Shorco Sling and Foot loop set allows a fixed rope to be climbed by using the Foot Lock Technique.

Feature:

- Polyester webbing with karabiners.

Ref.	Size
10 101 68	Unique

ABS LOCK



FEATURES & BENEFITS

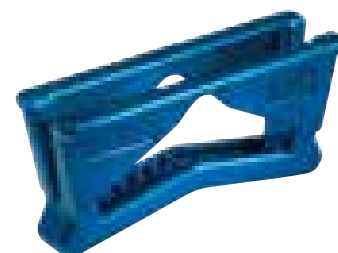
Benefit: Practical

- Used to belay from the ground the person equipping a structure with temporary anchor points.

Features:

- Automatic and dynamic belay system.
- To use with 9mm to 11mm rope.
- Weight: 0.103kg.

Ref.	Size
10 042 10	Unique





INDY DESCENDER



FEATURES & BENEFITS

Benefits: The operator's safety is guaranteed

- Ergonomic and easy-to-use.
- Descent is activated and controlled through pressure onto the handle.
- Descent stops if the pressure on the handle is too weak or strong.

Features: Aluminium & stainless steel

- Anti-panic auto-braking system.
- Maximum descent speed: 2m/s.
- Suitable for Miller 10-13mm rope (see page 365).
- Weight: 0.49kg.
- Lowering of max. 2 people.
- Upwards sliding is possible.

Ref.	Size
10 320 22	Unique

Conforms to EN 341 Class A and EN12841/C



PROALLP TECH DESCENDER



FEATURES & BENEFITS

Benefit: Control and versatility

- Ideal for technical access, rescue and intervention.

Features: Screw and autolock controlled rate rope descender

- Light alloy material.
- Designed to hold up to two people (max.250kg) in a rescue scenario.
- Option of both screw and auto-lock controlled-rate rope descent.
- Includes ascender, belay brake, tensioned line brake and hauling system brake function.
- Suitable for Miller 10-13mm kernmantel rope (see page 365).
- Weight: 0.62kg.

Ref.	Colour
10 070 57	Purple
10 102 22	Black

Conforms to PR EN 12841C



FIG 8 DESCENDER



FEATURES & BENEFITS

Benefit:

- Lightweight

Features:

- Aluminium.
- Rescue descender for 9-12mm braided rope.
- Weight: 0.13kg.

Ref.	Size
10 102 20	Unique





Miller Descent/Rescue and Confined Space

Rescue & Evacuation – Descent Devices	114
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MILLER SAFESCAPE® ELITE



Rescue and Descent device for emergency situations. Ideal for rescue and descent - up to 500m.

FEATURES & BENEFITS

Benefits:

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

References on demand, depending on the rope length.

Please contact your customer service for more information

=> without handwheel.

=> with handwheel.

=> with handwheel and handle.

=> with handwheel and ladder bracket.

Material:

- High-quality anodised aluminium housing.
- Centrifugal brake controls the descent and reduces vibration.
- Descent loads possible from 30kg – 250kg (2 people).
- Rope length 20-200 m as standard descent capacity (up to 500 m on request).
- Descent is quick (1m/s) and smooth.
- Use in an emergency by 2 people weighing up to 250kg.

Conforms to EN 341:2011 and meets ANSI and OSHA requirements



MILLER SAFESCAPE® ELITE CASE



Exceptional storage solution for the Miller SafEscape® ELITE.

FEATURES & BENEFITS

Benefits:

- Rescue equipment can be safely stored for up to ten years without the need for costly inspection. Components must be inspected every ten years allowing a lower cost and inspection down time.
- Vibration tested and easy to inspect.
- Humidity check using a hygrometer, which is visible externally.
- Robust and durable.
- Backpack easy to carry and ideal for evacuation and rescue operations.

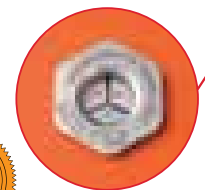
Features:

- Two reflective strips 38 x 30.3 cm making it easier to locate in the dark.
- Polypropylene case with protection rating IP67 (watertight and dustproof).
- Lock: ABS.
- Moisture indicator 30/40/50.
- Temperature range: -40 °C to 99 °C.
- Dual-compartment bag.

Miller SafEscape® Elite kit customisation:

The contents of each kit can be customised to meet specific customers' needs, contact the Techniserv department (see p.387).

Conforms to EN 341:2011 (the case and its contents have been tested according to EN60068) and meets ANSI and OSHA requirements.



Humidity checker

Feature	Peli 1600 case	Peli 1610 case	Peli 1620
Internal dimensions	54.4 x 41.9 x 20 cm	55 x 42.2 x 26.8 cm	56 x 43.2 x 32 cm
External dimensions	61.6 x 49.3 x 22 cm	62.7 x 49.7 x 30.3 cm	63 x 49.2 x 35.2 cm
Lid depth	4.4 cm	5.2 cm	5.2 cm
Depth of base	15.5 cm	21.6 cm	26.8 cm
Internal volume	45.6 dm ³	45.6 dm ³	77.41 dm ³
Weight (empty case)	5.9 kg	9.07 kg	11.33 kg
Suitcase colour	Orange	Black	Black
Possible rope length	Up to 80 m	Up to 120 m	> 120 m



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

RESCUE CARRYING BAG

FEATURES & BENEFITS



Benefit:

- Carry the Miller SafEscape elite, rope and accessories.

Features:

- Waterproof.

Ref.	Size	Ø	Height
10 101 91	M	23cm	59cm
10 101 90	L	26cm	69cm
10 293 40	XL	48cm	69cm

Contact us to arrange rescue training on your site.

QUADPOD*



FEATURES & BENEFITS

Mobile anchorage point.

Benefits: Ideal for cliff top rescue and confined spaces

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

Conforms to EN 795 Class B

Ref.
10 070 27

* Recommended to use in conjunction with Self tailing winch.

MILLER SAFESCAPE® ELITE EVACUATION KIT



Descent kit for emergency

FEATURES & BENEFITS

Benefit:

- All in one bag.

Features:

- Includes a Miller SafEscape ELITE with wheel and handle, fitted with 20 m rope.
- Anchorage sling.
- Waterproof bag.

Ref.	Length
10 293 50	20 m



MILLER SAFESCAPE® ELITE RESCUE KIT



General rescue kit with 80m rope

FEATURES & BENEFITS

Benefit:

- All in one rescue kit.

Features:

- 1 Miller SafEscape ELITE with handwheel and Ladder adapter, fitted with 80m rope.
- 1 Red rescue carrying bag.
- 2 Slings of 1.2m.
- 1 Rope grab.
- 4 Karabiners.
- 1 Pulley.
- 1 Edge protection.
- 1 T-Bar.

Ref.	Length
10 288 11	80 m



Features: Multi-positioning

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



MILLER QUICKPICK™

Rescue Kits

Miller QuickPick™ Rescue Kits deliver peace of mind during unexpected, stressful peer-rescue situations. The rescuer can remotely attach the system to the suspended worker while remaining securely anchored on the walking/working surface. All rescue components are contained in one easy-to-store kit with no assembly necessary - only requiring an overhead anchorage.

- Out-of-the-bag solution for prompt rescue – no assembly required
- Quickly raise or lower a fallen worker to safety – avoid suspension trauma
- Professional rescue solution – enhances worker safety and corporate rescue plan
- Simplified Rescue Systems – Premium or Standard Kit choices

Premium QuickPick Rescue Kits

- Best choice for users whose job does not normally include rescue
- Includes a Backup Braking System that acts as a secondary fall protection device.
- Highly efficient hauling system with a 5:1 lifting ratio, making heavier loads easier to lift
- Complies with OSHA and ANSI including the stringent ANSI Z359.4 Safety Requirements for Assisted Rescue and Self-Rescue Systems
- Rated for up to a 400-lb. (181.4 kg) user

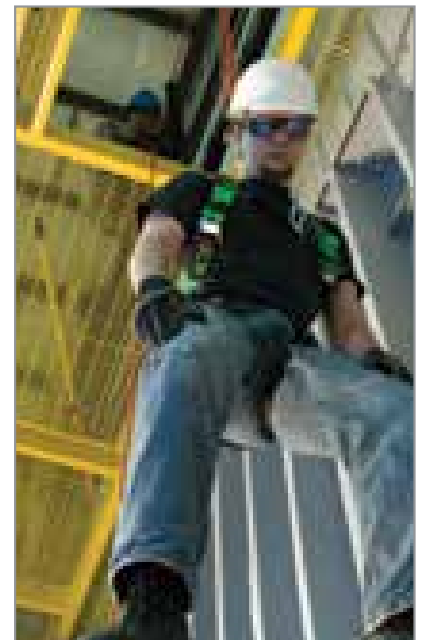
Standard QuickPick Rescue Kits

- Designed for users more experienced with rescue
- Provides an economical kit configuration for conducting rescue with workers who are confident in managing rescue systems
- Efficient hauling system with a 4:1 lifting ratio, making heavier loads easier to lift
- Complies with OSHA and ANSI A10.32
- Rated for up to a 310-lb. (140.6 kg) user



QP/50FT

KU	Description	Maximum Capacity	Product Weight
Premium Kits - Include backup braking system, pulleys, rope, rescue pole with clip, pigtail rope control handle, carabiners, and cross-arm anchorage connector, Miller WristBandit™ Tool Lanyard, kit bag and pole bag.			
QP/25FT	25-ft. (7.6 m) Working Length System	400-lbs. (181.4 kg)	22.9 lbs. (10.3 kg)
QP/50FT	50-ft. (15 m) Working Length System	400-lbs. (181.4 kg)	30.4 lbs. (13.7 kg)
QP/75FT	75-ft. (22.9 m) Working Length System	400-lbs. (181.4 kg)	37.9 lbs. (17.1 kg)
QP/100FT	100-ft. (30 m) Working Length System	400-lbs. (181.4 kg)	45.4 lbs. (20.5 kg)
Standard Kits - Include pulleys, rope, rescue pole with clip, pigtail rope control handle, carabiners, and cross-arm anchorage connector, Miller WristBandit™ Tool Lanyard, kit bag and pole bag.			
QP-1/25FT	25-ft. (7.6 m) Working Length System	310-lbs. (140.6 kg)	17.6 lbs. (7.9 kg)
QP-1/50FT	50-ft. (15 m) Working Length System	310-lbs. (140.6 kg)	25.1 lbs. (11.3 kg)
QP-1/75FT	75-ft. (22.9 m) Working Length System	310-lbs. (140.6 kg)	32.6 lbs. (14.7 kg)
QP-1/100FT	100-ft. (30 m) Working Length System	310-lbs. (140.6 kg)	40.1 lbs. (18.1 kg)
Components			
QP-EP	12-ft. (3.7 m) Rescue Pole with Carabiner Clip, Carabiner, Pigtail, Miller WristBandit™ Tool Lanyard and bag	-	5.7 lbs. (2.5 kg)
QP-SC	Replacement Carabiner Clip	-	0.1 lbs. (0.04 kg)
QP-RHA	Rope Control Handle	400-lbs. (181.4 kg)	0.5 lbs. (0.2 kg)



All Miller brand fall protection products meet applicable OSHA, ANSI and CSA requirements.



SELF TAILING WINCH



FEATURES & BENEFITS

Benefits:

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

Features:

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

Ref.
10 070 29

SINGLE SWIVEL CHEEK PULLEY



FEATURES & BENEFITS

Benefits:

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

Features:

- Aluminium construction.
- Suitable for ropes up to 12.7mm diameter.
- Tensile strength 3000 kg.
- Lightweight alloy: 0.12kg.

Ref.	Description	Colour
10 070 38	Single attachment	Dark blue
10 102 24	Dual attachment	Purple

TWIN ALLOY RESCUE PULLEY



FEATURES & BENEFITS

Benefits: High efficiency dual attachment pulley

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

Features:

- Dual attachment double swivel cheek pulley for pulley systems and hauling.
- Suitable for ropes up to 12.7mm.
- Tensile strength 3000 kg.
- Lightweight alloy: 0.28kg.

Ref.	Description
10 070 29	Dual attachment

TELESCOPIC REACH POLE



FEATURES & BENEFITS

Benefit:

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

Features:

- Karabiner is held in an opened position.
- Fiberglass telescoping pole which collapses to 0.8m.
- Length 3.45m.

Ref.
10 178 24

RESCUE ROPE GRAB



FEATURES & BENEFITS

Benefit:

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

Feature:

- Suitable for 10/12mm ropes.

Ref.
10 288 07

EDGE PROTECTION



FEATURES & BENEFITS

Benefit:

- Prevents the rope being cut against a sharp edge when lifting or lowering a person.

Feature:

- Stainless steel.

Ref.
10 288 08



MILLER DURAHOIST™

Portable Confined Space Systems

Complete Four-Piece Hoist/Winch Systems

DuraHoist Complete Four-Piece Confined Space Systems

consist of a One-Piece Adjustable Mast (DH-3/) and Three-Piece Portable Base (DH-4/).

Suggested applications:

Public Utilities: Vault and manhole entry, pump/lift/valve stations, water treatment and wastewater industries

General Industry (Food, Chemical, Pulp and Paper): Elevated manholes, storage tanks, platforms/mezzanines, underground vaults, clarifier tanks, pre-heaters

- System breaks down into four lightweight aluminum components for easy storage, transport and set-up. No tools required for assembly.
- Overall system height adjusts from 79 in. (2.01 m) to 100 in. (2.54 m)
- Modular design allows the use of various fixed and portable bases and an optional mast with extensions. Multiple winches and/or lifeline systems may be mounted as required.



Refer to the Miller DuraHoist Confined Space Safety Systems brochure for additional products.

SKU	Description	Weight
DH-1/	Four-Piece System with ManHandler hoist/winch w/65-ft. (20 m) of 3/16-in. (5 mm) galvanized steel cable	133.5 lb. (60.6 kg)
DH-2/	Four-Piece System without ManHandler hoist/winch	91 lb. (41.3 kg)

Adjustable Mast Options

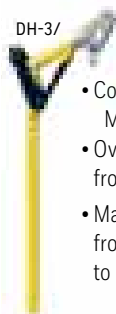
Combining Lower Mast Extensions with the One-Piece Adjustable Mast or the Two-Piece Upper Mast eliminates the need for custom-length masts. The Upper Mast also provides additional solutions to height-restrictive applications.

SKU	Description	Weight
DH-3/	One-Piece Adjustable Mast	29 lb. (13.2 kg)
DH-21/	12-in. (0.30 m) to 29-in. (0.74 m) Adjustable Offset Upper Mast	23 lb. (10.4 kg)
DH-23	30-in. (0.76 m) to 48-in. (1.22 m) Adjustable Offset Upper Mast	29 lb. (13.2 kg)
DH-22/21	21-in. (0.53 m) Lower Mast Extension	14 lb. (6.4 kg)
DH-22/33	33-in. (0.84 m) Lower Mast Extension	17 lb. (7.7 kg)
DH-22/45	45-in. (1.14 m) Lower Mast Extension	20 lb. (9.1 kg)
DH-22/57	57-in. (1.45 m) Lower Mast Extension	23 lb. (10.4 kg)

Carrying bags are available. Refer to the Miller DuraHoist Confined Space Safety Systems brochure at www.millerfallprotection.com.

ONE-PIECE ADJUSTABLE MAST

DH-3/

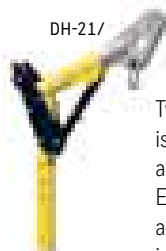


- Compatible with any **one** Lower Mast Extension
- Overall mast height adjusts from 74 in. (1.88 m) to 89 in. (2.26 m)
- Mast offset adjusts from 12 in. (0.30 m) to 29 in. (0.74 m)



TWO-PIECE UPPER MAST

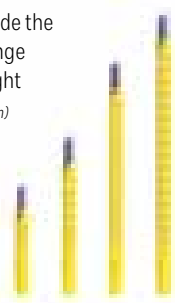
DH-21/



Two-piece upper mast is compatible with any **two** Lower Mast Extensions, not exceeding a combined 90 in. (2.29 m) in height for the DH-21/ or 78 in. (1.98 m) for the DH-23

LOWER MAST EXTENSIONS

Extensions provide the flexibility to change overall mast height from 41 in. (1.04 m) to 146 in. (3.71 m)





Portable and Fixed Base Options

All of the following bases are compatible with all Adjustable Mast Options. All base options include PVC liner.

Three-Piece Portable Base



Three lightweight aluminum components for easy transport. Features adjustable aluminum screws and a built-in level

indicator for easy set-up on uneven surfaces. No tools required for assembly.

DH-4/ – Maximum 29-in. (0.74 m) offset

DH-24 – Maximum 48-in. (1.22 m) offset

Manhole Collar



Designed for applications involving frequent set-ups over similarly-sized access openings. Simply slip collar into sewer manhole, tank hatch or other opening.

Available from 17.5 in. (0.44 m) to 27.5 in. (0.70 m), in increments of 2-in. Add number to end of **DH-11/**.

Adjustable Barrel Mount Sleeve



Designed for shoring, wall and parapet applications where frequent set-up over varying wall thicknesses is

required. Accommodates wall thicknesses up to a max. of 24 in. (0.61 m).

DH-6/



Floor Mount Sleeve

Mounts to horizontal concrete or steel structures.

DH-7ZP/ – Zinc-plated, mild steel

DH-7SS/ – Stainless steel



Wall Mount Sleeve

Mounts to vertical concrete or steel structures. Compact design creates minimal intrusion into work space.

DH-8ZP/ – Zinc-plated, mild steel

DH-8SS/ – Stainless steel



Core Mount Sleeve

Designed for slip-in installation into a 4-in. (0.10 m) diameter core hole in concrete or in an existing steel structure.

DH-9ZP/ – Zinc-plated, mild steel

DH-9SS/ – Stainless steel

Barrel Mount Sleeve w/3.5-in. (0.09 m) Opening



Eight independent clamping screws allow temporary installations over edges of shoring cans, walls and other structures.

DH-5/

Flush Floor Mount Sleeve



Eliminates the potential trip hazard presented by other floor mount sleeves. Installs into a 4-in. (0.10 m) diameter core hole in concrete or in an existing steel structure.

DH-20ZP/ – Zinc-plated, mild steel

DH-20SS/ – Stainless steel

Vehicle Hitch Mount Sleeve



Designed to install into a 2-in. (0.05 m) receiver on an attendant vehicle to provide a portable anchor point for confined space entry/retrieval, rescue and fall arrest applications.

DH-12/ – Maximum 29-in. (0.74 m) offset

DH-25 – Maximum 48-in. (1.22 m) offset

Accessories

SKU	Description	Weight
DH-18/	Equipment Cart for DuraHoist Four-Piece Hoist System (DH-1/, DH-2/)	40 lbs. (18.1 kg)
DH-18DC/	Dust Cover for the DuraHoist Equipment Cart	2 lbs. (0.91 kg)
DH-4WK/	Wheel Kit (two wheels) for the DuraHoist Three-Piece Base (DH-4/)	30 lbs. (13.6 kg)

DH-18/

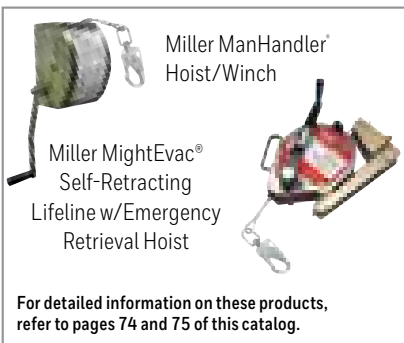


DH-4WK/



Carrying bags are available. Refer to the Miller DuraHoist Confined Space Safety Systems brochure at www.millerfallprotection.com.

MILLER HOISTS/WINCHES AND MOUNTING BRACKETS



The Complete Mounting Bracket Assembly (DH-19-MILLER/) is **required** to mount a Miller ManHandler Hoist/Winch or a Miller MightEvac SRL to the DuraHoist Portable Confined Space System.

SKU	Description	Weight
DH-19-MILLER/	Complete Mounting Bracket Assembly	3.1 lbs. (1.4 kg)
DH-19/	Winch Mount Bracket	1.6 lbs. (0.73 kg)
DH-AB-MILLER/	Adapter Bracket for Miller MightEvac SRL (Requires a DH-19/ Bracket)	1.5 lbs. (0.68 kg)



DH-19-MILLER/
(Assembly of DH-19/ bracket
and DH-AB-MILLER/ bracket)



DH-AB-MILLER/



DH-19/

All Miller brand fall protection products meet applicable OSHA, ANSI and CSA requirements.



MILLER DURAHOIST™

Portable Fall Arrest Post and Extension Post

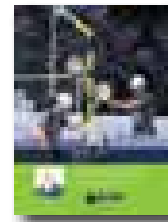
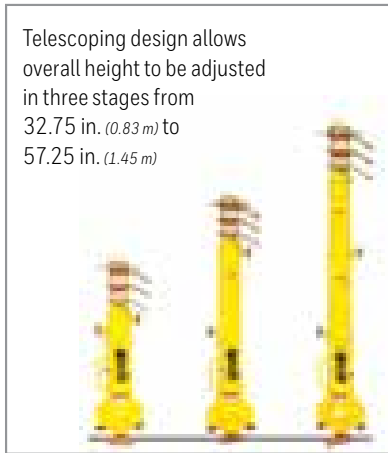
Provides three independent swivel tie-off points for fall arrest anchorage (*three worker maximum in any configuration*). Suggested Applications: Electrical transformers, leading edge deck work, confined space and rescue, industrial presses, bridge cranes, large cranes, and limited horizontal lifeline applications.

- Three-stage/four-position telescoping design and aluminum construction for easy transportation and set-up
- Leveling screws allow the system to be plumbed to vertical on inclines up to 15 degrees
- Portable and fixed bases allow for versatile usage

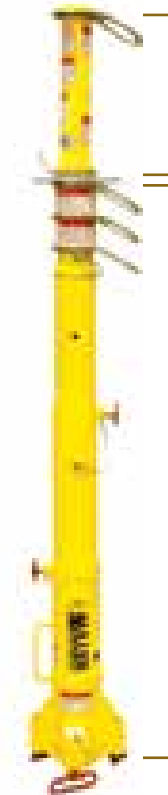
SKU	Description	Weight
DH-AP-1/	Portable Fall Arrest Post	38 lb. (17.2 kg)
DH-AP-2/	14-in. (0.36 m) Extension Post	4.5 lb. (2.0 kg)



Telescoping design allows overall height to be adjusted in three stages from 32.75 in. (0.83 m) to 57.25 in. (1.45 m)



Refer to the Miller DuraHoist Confined Space Safety Systems brochure for additional products.
millerfallprotection.com



← 14-in. (0.36 m) Extension Post
Provides option to tie-off one worker at an increased height of 68.5 in. (1.74 m)
DH-AP-2/

← Portable Fall Arrest Post
DH-AP-1/

MILLER DURAHOIST™

Rescue/Material Handling Davit Arm

- Designed for rescue and material handling applications
- Quick-attach design assembles easily
- Lightweight aluminum construction makes davit arm easy to transport and set-up

SKU	Description	Weight
DH-AP-3/	Rescue/Material Handling Davit Arm	20.5 lbs. (9.3 kg)





MILLER TECHLINE™

Temporary Horizontal Lifeline (HLL) System Kits

TechLine System Kits offer continuous fall protection for the length of the lifeline when used in conjunction with the Miller **DuraHoist™ Fall Arrest Post** (DH-AP-1/). Ideal for applications where an overhead anchorage does not exist.

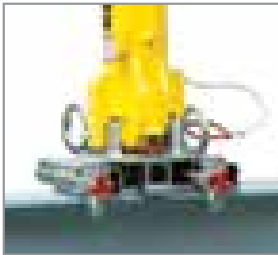
Kits include:

- 11/16-in. (17.5 mm) kernmantle rope lifeline
- Two connecting O-rings
- In-line shock absorber
- Lifeline adjuster/tensioner
- Snap hook

SKU	Maximum Span	No. of O-rings	No. of Workers
HLLR2-L/30FT	30 ft. (9 m)	2	2 workers
HLLR2-L/60FT	60 ft. (18 m)	2	2 workers

MILLER DURAHOIST™ ANCHOR BASE AND ANCHOR PLATES

Portable Anchor Base and Anchor Plate



Portable I-beam Anchor Base
Attaches to steel I-beams.
DH-AP-9/



Bolt-on Anchor Plate
For use in concrete or steel applications (portable or permanent)
DH-AP-12/

Fixed Anchor Plates

Designed to be permanently welded to existing structures in locations of frequent work, or where the use of a portable base is impractical. Plates for inclined surfaces (DH-AP-6/, DH-AP-7/) can be customized to your specific incline requirements up to a maximum of 45 degrees.



Plate w/Tie-off Anchor
DH-AP-4/



Standard Plate
DH-AP-5/



Plate for Inclined Surfaces w/Tie-off Anchor
DH-AP-6/



Plate for Inclined Surfaces
DH-AP-7/

MILLER HOISTS/WINCHES AND MOUNTING BRACKETS

Miller MightEvac® Self-Retracting Lifeline w/Emergency Retrieval Hoist

Miller ManHandler® Hoist/Winch

For detailed information on these products, refer to pages 74 and 75 in this catalog.



Adapter plate for mounting DH-AB-Miller/ to DH-AP-3/
DH-AP-10/



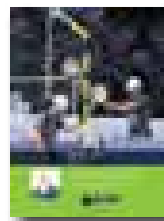
Assembly of DH-AP-10/ and DH-AB-Miller/
DH-AP-11/



Adapter bracket for DBI winch
DH-AB-DBI/



Flat quick mount bracket
DH-AP-8/



Refer to the Miller DuraHoist Confined Space Safety Systems brochure for additional products.
millerfallprotection.com





HONEYWELL MILLER NEW DURAHOIST 3POD FOR CONFINED SPACES

DuraHoist 3Pod: A single tripod adjustable to various confined space work situations. It is easy to transport and rapid to install.

- Easy to carry & move (leg profile ergonomic for hand grip)
- Easy & safe to install in less than 2 minutes (all legs open simultaneously, 1 knob fixing all legs together)
- Adaptable to different manhole sizes (1m – 1.50m – 2.50m)
- Certified to the last requirements of the EN 795:2012 class B (CN/TS 16415)
- Tested for 2 persons (up to 140kg each)



WHAT'S A FALL ARREST SYSTEM FOR CONFINED SPACES?

- 1 ANCHORAGE STRUCTURE**
Fall arrest system compliant to EN795:2012 B
- 2 WINCH**
Lifting load disposal. Machine Directive 2006/42/CEE
- 3 SELF RETRACTING LIFELINE WITH RETRIEVAL WINCH**
Compliant to EN 360:2002 and EN 1496:2006
- 4 SAFETY HARNESS**
Compliant to EN 361:2002

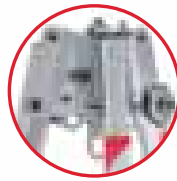




FEATURES AND BENEFITS

UNIQUE OPENING/FIXATION MECHANISM PLACED IN THE HEAD OF THE TRIPOD

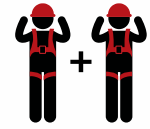
- + Improved productivity
- + Fast adjusting and locking system for different leg opening angles (at 1m - 1.50m - 2.50m adapted to any manhole)
- + Number of attachment point on the head (3 holes + 1 eye-swivel)



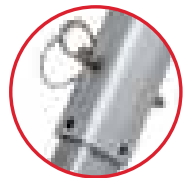
PATENT PENDING

AVAILABLE TO ATTACH UP TO 2 PERSONS

and each weighing up to 140kg



MAX 140KG MAX 140KG



ADJUSTABLE LEGS

- + End-stop leg at maximum length
- + Engraved marking for easy leg height adjustment (visual marking to position pin in hole)
- + Safe locking pin

ROBUST LEG DESIGN

- + Ergonomic leg's profile for hand grip
- + Resistant legs
- + Improved rescue when victim is pulled over to the side

EASY & QUICK CONNECTION BRACKETS FOR RAPID INSTALLATION OF ACCESSORIES ON OUTSIDE TRIPOD LEG:

- + Rescuing device to stop the fall and rescue the person
- + Winch for lifting loads (Maximal weight load limit 300kg)

LIGHTWEIGHT MATERIAL

- + Aluminium lightweight (16kg) and durable

STABILITY

- + Durable foot sole
- + Good stability and maximum slip resistance to all ground surfaces

When closed, the legs are fixed and the tripod can be easily transported by gripping just one leg.



1.45m when closed for easy transport in small vehicles.

Specially designed for:

- Water Utilities (sewer lines, pumping & treatment station)
- Oil & Gas
- Electrical & Telecom companies
- Food and Chemical industries



DURAHOIST 3POD RANGE

KITS		DuraHoist 3pod 1034430	MIGHTYLITE EVAC 15m Galvanized Wire Rope 1005149-A	MIGHTYLITE EVAC 15m Stainless Steel 1014390-A	MIGHTYLITE EVAC bracket for 15m DuraHoist 3pod 1034431	MIGHTYLITE EVAC 30m Galvanized Wire Rope 1005160-A*	MIGHTYLITE EVAC bracket for 30m DuraHoist 3pod 1034750*	DuraHoist Winch 15m Stainless Steel 1034611	DuraHoist Winch 30m Stainless Steel 1034612	Winch Bracket for 15m & 30m 1034613
1034910	3pod + MightEvac 15m G + Bracket	✓	✓		✓					
1034911	3pod + MightEvac 15m G Winch 15m + 2 brackets	✓	✓		✓			✓		✓
1034912	3pod + MightEvac 15m SS + Bracket	✓		✓	✓					
1034913	3pod + MightEvac 15m SS + Winch 15m + 2 brackets	✓		✓	✓			✓		✓
1034914*	3pod + MightEvac 30m G + Bracket	✓				✓	✓			
1034915*	3pod + MightEvac 30m G + Winch 30m + 2 brackets	✓				✓	✓		✓	✓

TRIPOD



You
Tube

WATCH THE
PRODUCT VIDEO



Ref.

10 344 30

Conforms to EN 795 (b)

Accessories

1034511*	Bag for DuraHoist 3pod
1034432	Leg Plug set (3x Leg plug)
1034433	Leg Push pin set (3xDetent pin 70mm incl. lanyard and fixtures)
1034434	Foot Webbing (1xComplete feet webbing)
1034435	Foot Sole set (3xRubber soles)



Dedicated full body
safety harness: new
confined spaces Miller
H-Design® harness



DURAHOIST WORK WINCH



FEATURES & BENEFITS

Benefits:

- Compact and robust.
- Both a rescue and material winch.
- Manhandler* is easy to operate.

Features:

- Brake holding – friction disk.
- Housing in steel, yellow chromate plating.
- Mechanical efficiency 5:1.
- Overspeed braking system and load indicator.
- Integrated bracket for tripod.
- Swivel snap hook.
- Maximum charge: 150kg.

Ref.	Length	Description
1034611	20m	Lifeline material: stainless steel cable
1034612	30m	Lifeline material: stainless steel cable
1034613	20m & 30m	Brackets

Conforms to EN 1496







MIGHTEVAC® RESCUE/ RETRIEVAL HOIST



Combines the superior performance and reliability for emergency evacuation 15m to 40m - Cable self-retracting lifeline with emergency retrieval winch

FEATURES & BENEFITS

Benefits: Heavy duty performance

- Easy-to-use.
- Used in conjunction with the Miller Tripod and dedicated brackets to form the core of a stable and secure confined entry/rescue system.

Features:

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



Ref.	Length	Description
10 051 49-A	15m	Lifeline material: Galvanised steel
10 051 60-A	30m	Lifeline material: Galvanised steel
10 143 90-A	15m	Lifeline material: Stainless steel
	30m	Lifeline material: Stainless steel
10 344 31	15m	Brackets for MightEvac®
10 347 50	30m	Brackets for MightEvac®

Conforms to EN 360 and EN 1496

MILLER PULLEY*



FEATURES & BENEFITS

Benefit: Flat and swing sided with large diameter roller that promotes excellent efficiency

Feature:

- Stainless steel pulley.



Ref.
10 114 71

*included with MN10 Tripod

POTEX



Portable pivoting davit column

FEATURES & BENEFITS

Benefits: Easy access to confined spaces

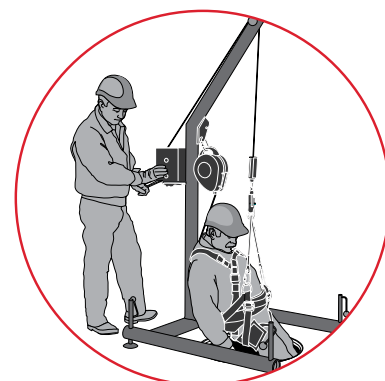
- Mounting plates: Portable davit arm is available with a wide selection of base mountings - to suit temporary/semi-permanent mobile working environments.

Material: Pivoting uni-hoist system

- Integrated rescue winch 30m.
- Adjustable legs to fit most confined space entry.

Ref.
10 029 20

Conforms to EN 795(b)





T-BAR

FEATURES & BENEFITS

Used specifically to raise the rope away from the edge.



Ref.
10 288 09

RESCUE TRIANGLE



FEATURES & BENEFITS

Benefit:

- Rescue triangle is fully adjustable for adults and children

Features:

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

Ref.
10 048 76

Conforms to EN 1498B



EMERGENCY RESCUE SLING

FEATURES & BENEFITS

Benefits:

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

Ref.
10 070 63

Conforms to EN1498



Features: Multi-positioning

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



EVAC BODY SPLINT KIT



FEATURES & BENEFITS

Benefits: Lightweight body splint ideal for confined space evacuation

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

Features:

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

Ref.	Description
10 317 86	Evac body splint kit includes:
10 302 85	Spider straps
10 070 46	Evac body splint
10 323 20	Yellow transport and storage bag





TOOL BANDIT™



BENEFITS & FEATURES

Benefits: Prevent tools from dropping that can cause serious injuries on the worksite

- Can be fixed to the worker's belt or wrist.
- Designed to secure the tool whilst still allowing freedom of movement.

Features:

- Lanyard with karabiner and wrist fixing system.
- Maximum load: 2.5kg.

Ref.	Description
11 002 10	Display box with 12 Bandit™ Lanyard Tool holder
10 145 91 one each	Tool Bandit™
10 124 91	Bulk bag of 36 Wrist Bandit™ tool holders

MILLER RELIEF™ STEP



BENEFITS & FEATURES

Benefits: Alleviate the effects of suspension trauma

- The Relief™ Step can be attached to any harness brand.
- Easily deployed for a short term solution to the worker's safety and comfort.

Feature:

- Easy to deploy webbing.

Ref.	Description
11 002 11	Display box of 12 pairs
10 315 70 one pair	Miller Relief™ Step

COWTAIL SLING



BENEFITS & FEATURES

Benefits: Reliable connecting device with reinforced loops at end

- Lightweight.

Features: Dyneema 15mm

- Used to attach a variety of ancillary devices.
- Sling with reinforced loops at each end.
- Suitable for connecting different devices within an access or rescue system.

Ref.	Description
10 070 59	30cm
10 070 58	60cm

Conforms to EN 354 and EN 566

EDGE ROLLER



BENEFITS & FEATURES

Benefit

- Designed to protect the rope when used on abrasive edges

Features:

- Highly durable stainless steel shaft and brass bearings.
- 50mm wide roller allows the simultaneous use of 3 ropes.

Ref.
10 070 43

CLIMBERS HELMET



BENEFITS & FEATURES

Benefit

- Protects from impacts from above and side

Features:

- Polypropylene climbers helmet with fully adjustable cotton lining and good air circulation reduces the build up of moisture.
- Comfortable skull webbing and chin strap.
- Fitted with attachment point for head torch.

Ref.	Colour	Weight
10 070 48	Red	410g

Conforms to EN 397 and EN 50365

CLIMBERS HELMET



BENEFITS & FEATURES

Benefits:

- Protects from impacts from above and side.
- Firm and comfortable fit.

Features :

- Short-peak (20mm) helmet with 4-point nylon skull webbing and forehead comfort band
- 4-point quick-release chin strap and 3-level height adjustment.
- Internal card holder for identification or medical information.

Ref.	Colour	Weight
10 309 40	White	330 g

Conforms to EN 397 and EN 50365



ROPE PROTECTOR



FEATURES & BENEFITS

Benefit

- Designed to protect the rope against abrasion and cutting eg. on buildings or construction site

Features:

- PVC reinforced rope protector.
- Easy-to-fit with velcro seam.

Ref.

10 102 14

PLASTIC BOX



FEATURES & BENEFITS

Features: Plastic storage box

Dimensions: 800x400x300mm.

Ref.

10 044 71

SPORT BAG



BENEFITS & FEATURES

Features:

- Polyester with central zip fastener.
- 2 large carrying handles and shoulder strap.
- Dimensions: 590x270x270mm.
- Weight: 0.740kg.

Ref.

10 028 65

INDUSTRIAL CLIMBERS SEAT



FEATURES & BENEFITS

Benefit

- Seat offers a comfortable supported position for the operator
- ⚠ Use in conjunction with a suitable safety harness.

Features:

- Padded seat with waterproof, abrasionresistant PVC coated nylon covering.
- Supplied with two connectors.
- Adjustable straps for perfect fit.
- Complete with convenient attachment points for accessories.

Ref.

10 070 56

PERSONAL PROTECTIVE EQUIPMENT BAG



BENEFITS & FEATURES

Features:

- 3 outside pockets.
- 2 large carrying handles and 1 shoulder strap.
- Dimensions: 500 x 330 x 250mm.
- Weight: 0.938kg.

Ref.

10 044 54

KIT BLOCK



FEATURES & BENEFITS

Benefits:

- Secures foot of a ladder to prevent slipping
- Avoid all risks of fall over or slipping.
- Fix safely the ladder.

Features:

- Kit including 2 fixing blocks and a 8m rope.

Ref.

10 029 97

MILLER BLACK BACKPACK

NEW



Ref.

10 070 67

BACK PACK



BENEFITS & FEATURES

Benefit: Large capacity

Features:

- Heavy duty blue PVC Back Pack.
- Shoulder straps.
- Quick connect buckles.

Ref.	Capacity	Height
10 044 43	30l	410mm
10 044 44	60l	650mm



Engineered Solutions

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SÖLL FUSION® ROOF ANCHOR POST

Söll Fusion® single anchorage point absorbs energy and keeps forces close to the roof surface. The single anchorage point is tested for connecting up to 2 people while maintaining loads on the structure below 10kN.

360° protection : In the event of a fall, the Söll Fusion® Roof Anchor Post bends in the direction of the force, the built-in, energy-absorbing component activates and the base remains securely attached to the roof surface.

Söll Fusion® Roof Anchor Post conforms to EN795 Class A.



SÖLL SHOCKFUSION® HORIZONTAL LIFELINE SYSTEM

Designed for light weight industrial and commercial roof applications.



The Söll ShockFusion® horizontal lifeline (HLL) system reduces fall distance (minimised line deflection) while effectively managing system forces to maintain a safe connection to a variety of roof structures. The unique surface-mounted design eliminates the need to penetrate the roof structure, making installation quick and easy while reducing labour costs.

- **Unique engineered Söll ShockFusion® design :**

- Successfully tested for spans up to 20 m
- Designed for up to 6 users (with max. 4 users within the same span)
- Guarantees loads on the roofing structure < 10 kN

- **Increased mobility and safety for working at height :**

- End and corner posts effectively manage system forces without tipping over through a built-in energy absorbing component
- Resulting in minimized line deflection (reduced possible fall distance)
- Allows installation at a nearer proximity to the roof edge
- Easier rescue provided in case of a fall

- **Durable design for long-lasting, reliable installation**

- **Time-efficient and cost-effective installation**

- **Maintains a safe connection to a variety of roof structures :
membrane, standing seam, trapezoidal metal sheeting, concrete**

Söll ShockFusion® HLL system conforms to EN795 Class C.



Söll ShockFusion and Söll Xenon are available for Miller trained professional installers only.

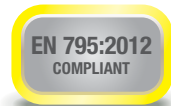


SÖLL XENON® 2.0 HORIZONTAL LIFELINE SYSTEM

Designed for industrial applications (crane runways, loading bays...) and roofing.

FEATURES & BENEFITS

- Conforms to EN 795:2012 standard
- Guarantees structural integrity and protects up to seven workers
- The unique multi-functional shock absorber prevents damage to a variety of structures
- The standard and overhead shuttle have excellent sliding performance



The Söll Xenon 2.0 Horizontal Lifeline System is an innovative height safety solution that conforms to new EN 795:2012 standards and regulations*. It's a high quality, durable system made of corrosion resistant stainless steel and is ideally suited to industrial applications like working on crane runways, loading bays and roofs. The system also doubles as an anchorage point to easily rescue workers should they fall. If a fall occurs, this effective system ensures structural damage is prevented.

The Lifeline System incorporates a unique, state-of-the-art shock absorber, which uses patented Miller 'Force-dispersal Technology' to provide fall protection for up to seven workers across a maximum span of 20m (1X19 cable, 8mm wide), depending on the line configuration.

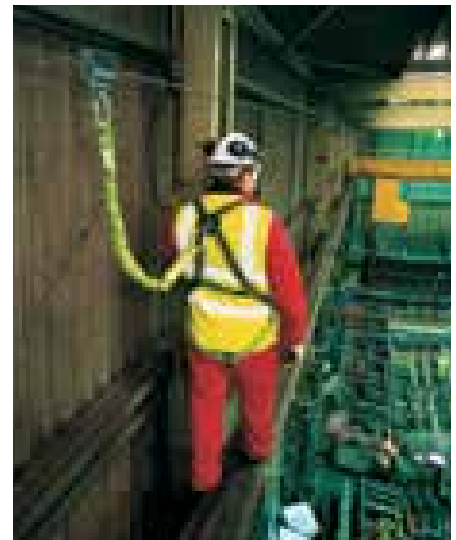
The new Söll Xenon energy absorber functions as a four-in-one device: a tension indicator, a cable tensioner, an energy absorber and a fall indicator. Only one energy absorber is necessary for all installations, irrespective of whether it's an overhead or standard installation (on posts or against walls).

A new Söll Xenon overhead shuttle completes the system allowing for heavy usage with self retractable lifelines up to 20kg.

Compliance and testing

The Söll Xenon 2.0 Horizontal Lifeline System complies with EN 795:2012, the latest European standard for anchor devices*.

- To demonstrate that the system would prevent structural damage following a fall as well as provide anchorage to rescue workers, it successfully passed a dynamic strength and integrity test with a mass of 100kg, plus a further 200kg for three minutes.
- To prove how effective the Miller 'Force-dispersal Technology' would perform if up to seven workers fell consecutively the system was put through a 'multiple fall' test. A test mass of 200kg (representing two workers) was initially dropped followed by five more masses weighing 100kg each (representing five workers). To test for structural integrity, an extra 650kg was added to the load for three minutes.



Standard shuttle



Overhead shuttle

*System also complies with the requirements of OSHA, ANSI and AS/NZS

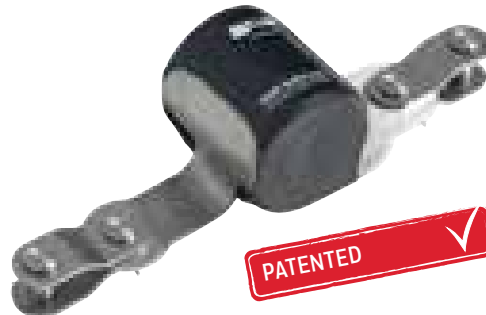


SÖLL SAFELINE® 2.0 HORIZONTAL LIFELINE SYSTEM

Designed for rigid roof applications.

FEATURES & BENEFITS

- Exceptional shock absorber guarantees structural integrity for roofing applications following EN 795:2012 standard
- An easy to install system with few components that protects up to three workers
- System doubles as anchorage to rescue fallen workers



The Söll SafeLine 2.0 Horizontal Lifeline System is an easy to install anchorage device, ideal for roofing applications. The system consists of a limited number of components that need no specific tooling.

The Söll SafeLine 2.0 Horizontal Lifeline System conforms to new EN 795:2012 standards and regulations. It's a high quality, durable system made of corrosion resistant stainless steel and is ideally suited to roof installations. The system also doubles as an anchorage point to easily rescue workers should they fall. If a fall occurs, this effective system prevents structural damage.

The Lifeline System incorporates a unique, state-of-the-art shock absorber, which uses Miller patented 'Force-dispersal Technology' to provide fall protection for up to three workers across a maximum span of 15m, depending on the characteristics of the lifeline.



Miller®/Epicure/LFM

SÖLL VI-GO - VERTICAL STEEL CABLE FALL PROTECTION SYSTEM

Söll Vi-Go is a fall protection system that can be retrofitted onto existing climbing devices such as ladders or rungs used in wind turbine, power supply, telecommunication or other industry.

It is basically made up of a steel rope or cable (three different types), fastening elements and a guided type fall arrester.

Safety for all users

Each fall arrester is equipped with a shock absorbing element made of stainless steel which is unique to Miller by Honeywell.

EASY TO INSTALL SHOCK ABSORBER WITH EXCEPTIONAL PERFORMANCE

The Söll SafeLine absorber can be easily and rapidly fixed with the axles and pins provided. The black shrink tube around the shock absorber is UV-resistant.

The shock absorber has been designed to disperse energy during a fall to protect both workers and the roof structure. Its patented 'Force-dispersal Technology' ensures that energy is distributed evenly when the shock absorber is deployed.

EASY TO ORDER KIT WITH INSTALLATION ESSENTIALS

Söll Safeline is proposed as a kit containing the new shock absorber, a tensioner with integrated tension indicator, cable end clamps and an identity plate. Additionally to these essential components, only intermediate parts and the correct cable length need to be ordered.



Söll SafeLine can only be installed by qualified installers who have undergone appropriate training.





VI-GO™

Ladder Climbing Safety Systems

Vi-Go Ladder Climbing Safety Systems provide the ultimate in safety with continuous fall protection when climbing fixed ladders. Systems can be custom designed to meet the needs of your specific application.

- Lower cost of ownership – Do-it-yourself inspection. No costly, annual manufacturer inspections often required by other systems.
- Option to cut cable lengths on site for greater versatility
- Accommodate up to four (4) workers at a time – Increasing productivity
- Select Automatic or Manual Personal Fall Arrestor Cable Sleeves – Both cable sleeves are designed to follow the user along the lifeline while ascending or descending, instantly locking in the event of a fall
- Available in galvanized or stainless steel cable

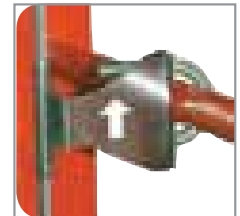


With Automatic Pass-Through

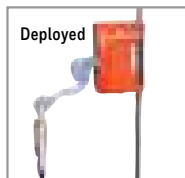
- Uninterrupted fall protection – uniquely-designed, patent-pending Vi-Go Cable Sleeve automatically bypasses intermediate cable guides, keeping both hands free for climbing; travels smoothly along cable and locks instantly in the event of a fall
- Easy, one-hand operation for attachment/detachment from the system. No pins/chains or external parts to lose or damage.
- Automatic pass-through cable guides secure lifeline to prevent cable wear and enable the system to accommodate curves
- Attachment mechanism engineered to prevent incorrect installation, ensuring greater safety. Unit will not open if attached incorrectly.
- Cable sleeve integrated shock-absorbing element
- Accommodate 5/16-in. (8 mm) or 3/8-in. (10 mm) cable



Vi-Go Automatic Pass-Through Cable Sleeve



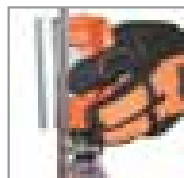
Automatic Pass-Through Cable Guide



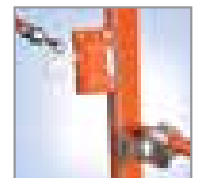
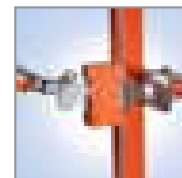
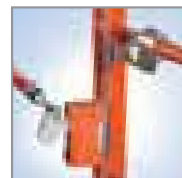
Deployed
Integrated stainless steel shock-absorbing element



Easy, one-hand attachment



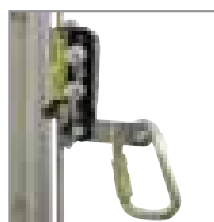
Design prevents upside-down installation (channel will not open)



Vi-Go automatic pass-through cable sleeve glides easily through intermediate cable guides uninterrupted. Hands and feet are free for climbing.

With Manual Pass-Through

- Require manual removal/insertion of cable with intermediate guides
- Cable guides secure lifeline to prevent cable wear
- Manual Vi-Go Cable Sleeve follows the worker while ascending and descending
- Cable sleeve locks instantly in the event of a fall
- Accommodate 3/8-in. (10 mm) cable



Manual Vi-Go Cable Sleeve with Carabiner



Manual Pass-Through Cable Guide



SÖLL GLIDELOC® VERTICAL RAIL SYSTEM

Söll GlideLoc is a safe vertical climbing system permanently installed on buildings, towers, masts and several other structures.

Söll GlideLoc systems are available as ladders as well as guide rails and conform to EN353-1. They allow a combination of vertical and horizontal access without having to disconnect.

Söll GlideLoc ladders have an integrated rail for the guided-type fall arrester in the centre. They are available in aluminium, galvanised steel and stainless steel. Guide rails can also be retrofitted to existing ladders.

ROBUST FOR MORE SAFETY

- Strong rigid metal structure.
- The ladder can be used to fix a rescue device.
- The state-of-the-art Söll BodyControl fall arresters certified according to EN353-1:2014 provide greater safety through quick arrest in all fall situations, both backwards and downwards.

ROBUST FOR IMPROVED COST OF OWNERSHIP

- The rigid rail system withstands constant wear and incidental shock loads (vs. cable systems).
- The yearly inspection is easy and quick with only a few checkpoints.
- Thanks to the quality of the components, only limited repairs or replacement of parts necessary.
- The lifespan is unlimited as long as the system passes the yearly inspection.

FLEXIBILITY

- Wide range of mounting brackets allow installation on most structures.
- Customised brackets can be supplied on demand.
- There is no height limit for installation of rails on the tallest buildings, masts or towers.

CLIMBING COMFORT

- The absence of intermediate brackets allow fall arresters to slide smoothly along the rails.
- Söll BodyControl fall arresters are designed for comfortable climbing with or without leaning backwards.



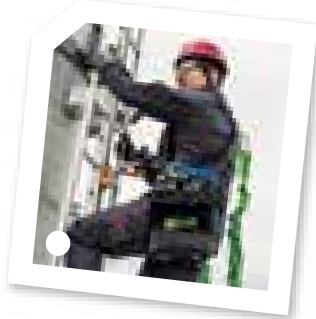
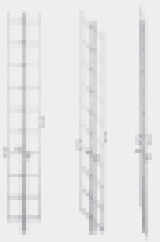


SÖLL GLIDELOC® INNOVATIVE SYSTEM DESIGNS

NEW

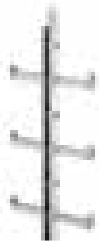
1 Söll PivotLoc ladder

Söll PivotLoc is a foldable ladder system with incorporated GlideLoc fall protection rail. In the closed position, the rungs pivot together behind the central guide rail.



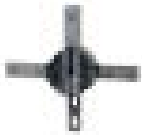
2 Y-Spar

Cost-effective alternative. The low surface area keeps wind loads applied to the sub-structure to a minimum.



3 Turntable

Allows safe continuous transfer from ladders to horizontal rail and vice versa without disconnecting.



4 Horizontal guide rail

Available both straight and curved, which allows safe access along narrow platforms.



5 Folding footrests

Must be provided as rest platforms at regular distances in case of high ascent routes for added safety.



6 Rotary exit section

Climbers can safely access and leave the top of the guide rail while standing on the upper platform.



7 Twin ladder

The operator can glide his hands along the side spars when ascending without having to hold onto the rungs. Ideal for dirty surroundings. Offers high distortion resistance.



8 Twisted change-over rail

Allows a climber to move safely onto a roof or a platform away from the edge of the roof before disconnecting from the system.



9 Ho-ver turn table

Simple means of changing direction from the end of a vertical rail to a horizontal rail and vice versa.



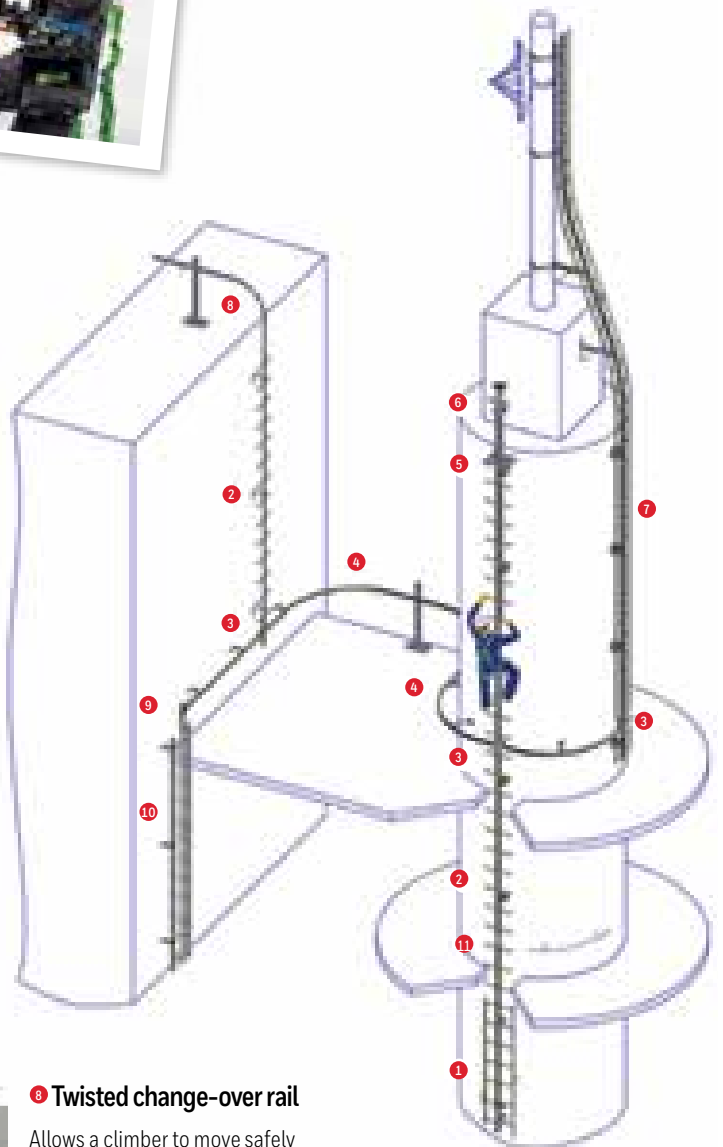
10 Vertical guide rail

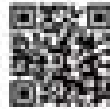
Can be assembled on existing ladders, step irons etc.



11 Exit section

A climber can detach the fall arrester from the rail after ascending and insert it into the rail before descending.





Watch the product video

NEW

SÖLL® BODYCONTROL FALL ARRESTERS

A new generation of guided-type fall arresters designed for comfortable climbing, providing more safety in all fall situations through quick arrest. Söll BodyControl shuttles are compliant with the latest standard EN353-1:2014

HIGHEST SAFETY STANDARD

- 2 independent fall arrest functionalities activate for both back and downward fall situations.
- Quick arrest: <140mm.
- Ultra-quick arrest in case the rail has mounting holes: <70mm thanks to the additional safety nose.
- Visual fall indicator.
- Pictograms on the shuttles to ensure correct use.

Broad applicability

- Certified for workers: 40 – 140 kg.
- Works with inclined ladders & rails: -10° to +15°.

Comfort

- Suspended axle mechanism (for wheels) ensures the smooth running of the device in all circumstances (including when passing joints) reducing worker fatigue.
- Ergonomic 'big and easy-to-grip' karabiner, which is easy to handle with gloves.

Robustness and durability

- Bigger and more robust polymer wheels: lifetime twice as long as conventional wheels.
- New shuttle housing design covers 80% of shock absorber to protect it from impacts and reduce the need for maintenance.
- Trilock karabiner can withstand « 30kN » and gate « 16kN ».

Name	Part Number	Order reference	Body	Safety Catch	Karabiner
Söll BodyControl I	27441	10 339 80	Aluminium	Stainless steel	Aluminium
Söll BodyControl I	27440	10 339 81			
Söll Comfort ²	23331	10 276 40	Stainless steel		Stainless stee
Söll Universal II	25805	10 292 49			Aluminium

Other shuttles available for use on Söll GlideLoc rails



Söll BodyControl I

The sternal attachment designed for comfortable climbing close to the ladder provides more safety in all fall situations through quick arrest. It's the ideal solution for confined spaces, manholes, caged ladders.

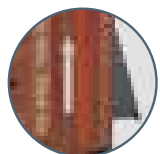
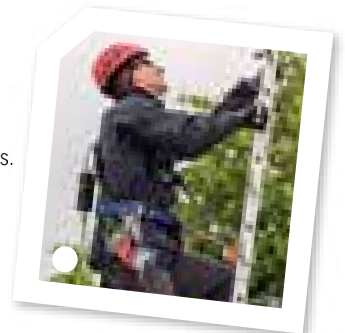
Söll BodyControl I



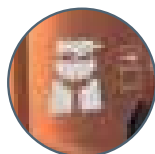
Söll BodyControl II

The ventral attachment makes climbing more comfortable because it allows leaning backwards. The sternal strap ensures safety in all fall situations, including backwards.

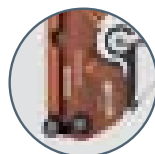
Söll BodyControl II



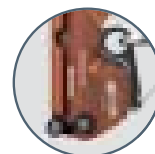
1 Correct rail insert direction



2 Ventral connection (to EN 361 certified attachment point on harness)



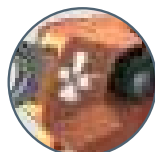
3 Activated fall indicator



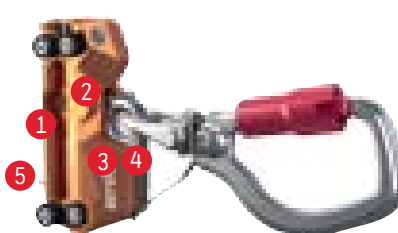
4 Non-activated fall indicator



5 Safety nose for ultra-quick arrest



6 Sternal connection



Söll BodyControl I = sternal attachment



Söll BodyControl II = sternal + ventral attachment (EN 361 certified attachment points on harness)



SÖLL MULTIRAIL®

Stainless steel and aluminium Horizontal Rail System

FEATURES & BENEFITS

- New state-of-the-art aluminium rail system
- Quick and easy installation with great fixation distances up to 6m
- Guarantees protection for up to 6 users
- Conforms to EN 795:2012 type D standard

The Söll MultiRail Horizontal Rail System conforms to the latest European standard **EN 795:2012** type D and CEN/TS 16415:2013 regulations for horizontal anchor devices.

This rail offers the highest level of fall protection to people along the entire fall risk area. Söll MultiRail is not only for installation at foot level or overhead but can also be installed sideways for use as a handrail.

The high quality **stainless steel** product line resistant in the toughest environmental conditions has been extended with an **aluminium** system to provide the best price-quality solution for low-corrosive work environments. Söll MultiRail offers an adapted solution for any industrial building or wind energy turbine. The elegant design of the aluminium solution makes it an aesthetic safety solution for commercial and historical buildings. Various fixation possibilities are available for different structures. Just a few bolts and tools are required for a **quick and easy assembly** of the rail system.

Söll MultiRail provides fall protection for up to 6 workers across a maximum span of 6m, depending on the rail configuration. If a fall occurs, this effective system ensures that structural damage is prevented through energy absorption by the several intermediate brackets and the end-fixing devices.

Four different runners ensure smooth movement of the worker along the rail: closed runner for frequent use of the same rail, openable runner for flexible use on several rail systems, wheeled runner for overhead applications and a lockable runner for working situations where the shuttle should not move.

Robust rail system that is quick and easy to install

In case of a fall, the energy is reduced by the bending of the rail, thereby the structure remains protected. The low friction mounting brackets transmit in the event of a fall the absolute minimum impact to the structure. In conformity with the EN795:2012 standard, the rail can absorb forces up to 70 kg without permanent deformation. The rail is not fixed into mounting brackets and therefore compensates for thermal expansion. Easy connection of curves, T- and X-junctions allow the system to be easily customized to any structure.



**EN 795:2012
COMPLIANT**





SÖLL MULTIRAIL® MOBILE ANCHOR POINTS :

CLOSED RUNNER

Available in stainless steel with polyamide inlays to minimize friction and provide great gliding performance, it is fitted with a stainless steel connector. As wheels are not necessary, it is dirt-resistant as well as very light, only 400g. It can be removed from the system at the end-stop exit sections or remain permanently on the rail. The closed runner is designed for Söll MultiRail systems with defined entry and exit points.



OPENABLE RUNNER

Available in stainless steel with polyamide inlays to minimize friction and provide great gliding performance, it is fitted with a stainless steel connector.

As wheels are not necessary, it is dirt-resistant as well as very light, only 600g. By means of an easy to use opening and closing mechanism, it can be removed or attached anywhere along the rail offering more flexibility to the user during his work. The openable runner is proposed for companies with high frequency of use on several Söll MultiRail systems or where the systems do not have defined entry and exit points.

OVERHEAD RUNNER

Made from stainless steel with 4 load-bearing wheels and a swiveling stainless steel eye, the wheeled runner may only be used for overhead applications. The runner can pass horizontal curves. It can be used with a self retractable lifeline. The worker attached to the lifeline can cover a wide working zone.



LOCKABLE RUNNER

Made from stainless steel with an additional bolt to lock, this runner is ideal for use on rails attached to objects in motion such as those installed on trucks. The runner stays in place when the truck is driven.



Miller / Epicure / Moulin Soufflet



Fall Protection and Prevention Training

- Fall Prevention And Protection Training143**
- Training Courses144**
 - Fall Protection 144
- Maintenance & Repair145**



FALL PREVENTION AND PROTECTION TRAINING

Honeywell offers comprehensive training options in Canada designed to help you comply with mandatory government and company safety at height training requirements. Courses are available for all levels of training and provide practical, hands-on learning through active participation that increases comprehension and retention.

- Experienced instructors; live demonstrations and hands-on training
- Save \$\$\$ when you book Qualified Person & Qualified Inspector of Fall Protection Equipment as a combo
- Each participant will receive a certificate after successful course completion
- All courses require a minimum number of participants
- Mobile Road Shows/On-Site Training offer on-site fall protection demos & training to your location



TRAINING COURSES

Fall Protection

- **End-User Fall Protection**

Learn the fundamentals of fall protection; regulations that apply to fall protection; methods of eliminating fall hazards; equipment specifications, care, use, limitations and inspection; and fall protection planning requirement and importance.

- **Qualified Inspector of Fall Protection Equipment**

Get the required skills for the inspection criteria as per CSA, ANSI and the applicable regulatory body.

- **Confined Space Entry**

End-User will be trained to recognize the risks and hazards associated with confined spaces and the methods of controlling them.

- **OSSA Fire Watch Train the Trainer**

Designed for instructors required to provide fire watch training and includes knowledge and proficiency in the classification and identification of types of fires and extinguishers.

On-Site

- Honeywell is the leading provider of on-site training options, conveniently held at your facility or work-site. Schedule one of our Training experts to work with your employees in their own environment.





MAINTENANCE & REPAIR

- **We can offer a full repair & service training program**

As required by European Norms (EN) & American National Standards Institute (ANSI) for the class 3 PPE as the full equipment must be yearly inspected according the procedure described in the checklist.

- **A repair guide** including list of tools, inspection sheet, photos. We remind you that this repair guide is only dedicated to the technicians trained by Honeywell (Miller Service Point).
- List of Spare parts & prices available on demand.

The use of our products is restricted to competent persons having undergone appropriate training (provided by an authorized person or organization) or under the supervision of a competent supervisor. The completion of this training must be recorded by the issue of a course certificate showing the date, location, name and company of the training organization, the full name of the user, etc.

Please contact our Honeywell Training department for more information.





GLOSSARY OF TERMS

Anchorage – a secure point of attachment for lifelines, lanyards or deceleration devices.

Anchorage Connector – used to join the connecting device (lanyard, lifeline, or deceleration device) to the anchorage.

Arresting Force – the force transmitted to the body when a fall is arrested. Also known as Fall Arrest Force.

Body Belt – a waist strap for attaching to a lanyard, lifeline or deceleration device. Used for positioning and/or restraint. Also known as a Safety Belt.

Body Harness – a design of straps which is secured about a person in a manner to distribute fall arresting forces over at least the thighs, pelvis, waist, chest and shoulders, with provisions for attaching it to other components of a personal fall arrest system. Also known as a Full-Body Harness.

Body Wear – the personal protective equipment worn by a worker, such as a body belt or body harness.

Buckle – an integral connector used to attach straps or webbing segments together or to themselves.

- **Cam Buckle** – an integral connector whereby the shoulder straps can be easily adjusted simultaneously with one hand. Promotes proper snug fit; will not slip or misadjust.

- **Friction Buckle** – an integral connector whereby the webbing passes over the knurled bar and back down between the knurled bar and frame to adjust and tighten webbing straps.

- **Mating Buckle** – an integral connector whereby a center bar is pushed through a square link. Webbing is then tightened for proper fit.

- **Quick-Connect Buckle** – for leg and chest harness straps that interlock similar to a seat belt for easy use and features a dual-tab release mechanism to prevent accidental opening.

- **Tongue Buckle** – an integral connector similar to a standard belt buckle whereby a webbing strap is inserted through the buckle placing the buckle tongue through the appropriate grommet hole. Also known as a Grommet Buckle.

Competent Person – one who is capable of identifying existing and predictable hazards in the surroundings or working conditions which are hazardous, or dangerous to employees, and who has the authority to take prompt corrective measures to eliminate them.

Connecting Device – the critical link which joins the body wear to the anchorage/anchorage connector, such as shockabsorbing lanyard, fall limiter, self-retracting lifeline, rope grab, etc.

Connector – a mechanism or device used to join together components of a personal fall arrest system or parts of a component within the system. See also Hardware.

D-Ring – an integral component or provision commonly found on body wear and some anchorage connectors which allows for attaching a connecting device (lanyard, lifeline, or deceleration device).

Deceleration Device – any mechanism which serves to dissipate energy during a fall arrest, limiting the forces imposed on a person.

Deceleration Distance – the additional vertical distance a falling person travels, excluding lifeline elongation and free fall distance, before stopping, from the point at which the deceleration device begins to operate. It is measured as the distance between the location of a person's body harness attachment point at the moment of activation (onset of fall arrest forces) of the deceleration device during a fall, and the location of that attachment point after the person comes to a full stop.

Fall Indicator – a safety device or warning flag which serves to let a user know that a shock-absorbing lanyard, harness or selfretracting lifeline has been involved in a fall and should be removed from service.

Fall Limiter – a self-retracting lifeline/lanyard with a quickactivating braking system that limits a free fall. Refer to Self-Retracting Lifeline/Lanyard. (Ex.: Miller Scorpion™ and Miller TurboLite™)

Free Fall – the act of falling before the personal fall arrest system begins to arrest the fall.

Free Fall Distance – the vertical distance a person falls before the fall arrest system begins to arrest the fall.

Full-Body Harness – (See Body Harness.)

Hardware – buckles, D-rings, snap hooks and associated connectors which are used to attach components of a personal fall arrest system or parts of a component within the system.

Lanyard – a flexible line of rope, wire rope/cable, or webbing which generally has a connector at each end for securing a body belt or body harness to a lifeline, deceleration device or anchorage.

Lanyard Ring – a component of a body harness that allows the user to attach a lanyard when not in use so that it is not hanging freely.



GLOSSARY OF TERMS

Lifeline – a line provided for direct or indirect attachment to a body belt, body harness, lanyard, or deceleration device. Such lifelines may be horizontal or vertical in application.

Lower Level – an area or surface to which a person can fall.

Maximum Arrest Force – the peak force on the body during arrest of a fall by the fall arrest system. Also known as Peak Fall Arrest Force.

Maximum Elongation – the maximum distance a shock absorber will deploy to arrest a fall.

Personal Fall Arrest System – an arrangement of components that together will arrest a person in a fall from a working level. It typically consists of an anchorage, connecting device and body harness, and may include a lanyard, deceleration device, lifeline or a combination of these.

Personal Fall Limiter (PFL) – a self-retracting lanyard with a quick-activating braking system that limits a free fall. In addition, a PFL offers versatility through dual operation by either attaching directly to the harness back D-ring for use as a personal fall limiter, or can be used as a traditional retractable lifeline. (Ex.: Miller Scorpion™ and Miller TurboLite™)

Required Fall Clearance – the maximum vertical distance between the full-body harness attachment point and the lowest extremity of the body before and after the fall is arrested including lanyard extension and/or deceleration distance.

Retractable Lifeline – See Self-Retracting Lifeline/Lanyard.

Roll-out – a process by which a snap hook, carabiner or similar device unintentionally disengages from another component to which it is attached.

Rope Grab – a deceleration device which travels on a lifeline and automatically engages the lifeline and locks to arrest a fall. - Trailing Rope Grab – a rope grab which moves freely up and down the lifeline with hands-free operation.

Self-Retracting Lifeline/Lanyard – a deceleration device containing a drum-wound line which can be slowly extracted from or retracted onto the drum under slight tension during normal worker movement, and which, after onset of a fall, automatically locks the drum and arrests the fall. Refer to Fall Limiter. (Ex.: Miller MightyLite™, Falcon™ and Black Rhino™ Self-Retracting Lifelines.)

Shock Absorber – a component of a personal fall arrest system which allows dissipation of energy by extending deceleration distance reducing fall arrest forces.

Shock-Absorbing Lanyard – specially-designed lanyard that elongates during a fall to significantly reduce fall arresting forces.

Snap Hook – a connector with a hook-shaped member, keeper, latch or other similar arrangement which may be opened to receive an object and, when released, automatically closes to retain the object.

- **Locking Snap Hook** – a snap hook that includes a locking mechanism which will keep the hook closed and locked until manually unlocked and opened.

Strap – a length of webbing.

Stretchable Harness – a full-body harness that is more comfortable to wear because the webbing is a blend of nylon, polyester, and a specially-formulated elastomer that stretches. Includes provisions for attaching a lanyard, lifeline or deceleration device.

Sub-Pelvic Strap – a full-body harness strap, which passes under the buttocks without passing through the crotch, that is designed to transmit forces applied during fall arrest or post-fall suspension to the sub-pelvic part of the body. Suspension Trauma (Orthostatic Intolerance) – when a person falls and remains both vertical and sedentary for a period of time, blood pools in the veins of the legs, which could result in unconsciousness. If a person is not rescued quickly, permanent damage and possibly death may result. (Ex.: Miller Relief Step™ Safety Device.)

Tie-Back Lanyard – a flexible line of heavy-duty, abrasionresistant webbing designed to be used as the connecting device and anchorage connector with a specially-engineered snap hook able to withstand 5,000 lbs. (22 kN) (Ex.: Miller BackBiter® Tie- Back Lanyard.)

Total Fall Clearance Distance – the maximum vertical distance that a worker could potentially fall and still avoid contact with a lower level.

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META_Fall_Protection_SB | Rev01 | 11/17
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