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## Fall Protection Catalogue – Canada

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# INTRODUCTION

## Elevating worker safety.

### YOUR SAFETY IS OUR PRIORITY

That’s why Miller® offers you a comprehensive range of fall protection solutions that meet the highest standards of quality and performance.

Whether you need harnesses, lanyards, lifelines, anchors, connectors, or accessories, we have the right product for your specific application. Our products are designed to be comfortable, durable, and easy to use, so you can focus on your work without compromising your safety.

### But we don’t stop at products.

We also provide you with the training, support, and service you need to make the most of your fall protection investment. From online courses and webinars to on-site instruction and certification, we have the resources to help you develop your skills and knowledge. And if you have any questions or concerns, our experts are ready to assist you with their technical expertise and industry experience.

At Miller, we are committed to helping you achieve your goals while protecting you from the hazards of working at height. **We believe that nothing is impossible when you have the right tools and the right attitude.**

**You can reach new heights of excellence — ask us how.**



# ABCs OF FALL PROTECTION

## A

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PERSONAL FALL ARREST SYSTEM

Three key components of the Personal Fall Arrest System (PFAS) must be in place and properly used to provide maximum worker protection.


Individually, these components will not provide protection from a fall. However, when used properly and in conjunction with each other, they form a PFAS that becomes vitally important to safety on the jobsite.

A

**ANCHORAGE/  
ANCHORAGE CONNECTOR**

**Anchorage**  
Commonly referred to as a tie-off point (Ex: I-beam)


**Anchorage Connector**  
Used to join the connecting device to the anchorage (Ex: beam anchor)



B

**BODY WEAR**


The personal protective equipment worn by the workers (Ex: full body harness)



C

**CONNECTING DEVICE**


The critical link which joins the body wear to the anchorage/ anchorage connector (Ex: self-retracting lifeline or shock-absorbing lanyard)



D

**DESCENT AND RESCUE**


Working extreme heights in confined spaces and in changing weather conditions may present many challenges. Descent and rescue devices are used to raise or lower a fallen worker to safety.



SIX EASY STEPS THAT COULD SAVE YOUR LIFE


HOW TO DON A HARNESS

1




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

2



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

3




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

4




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

5



Connect chest strap and position in midchest area. Tighten to keep shoulder straps taut.

6

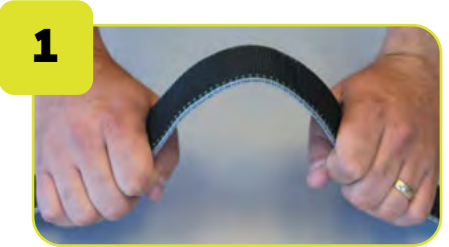


After all straps have been buckled, tighten all buckles so that harness fits snug but allows full range of movement. Pass excess strap through loop keepers.



INSPECTION AND MAINTENANCE

HARNESSTESTING



WEBBING

Grasp the webbing with your hands 6 in to 8 in apart. Bend the webbing in an inverted “U” as shown. The resulting surface tension makes damaged fibers or cuts easier to detect. Follow this procedure the entire length of the webbing, inspecting both sides of each strap. Look for frayed edges, broken fibers, pulled stitches, cuts, burns, and chemical damage.



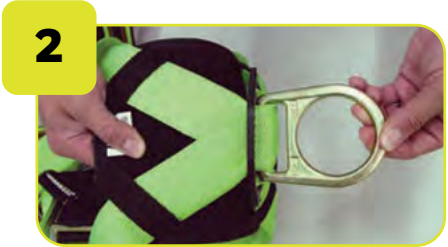
TONGUE BUCKLES/GROMMETS

Buckle tongues should be free of distortion in shape and motion. They should overlap the buckle frame and move freely back and forth in their socket. Roller should turn freely on frame. Check for distortion or sharp edges. Inspect for loose, distorted, or broken grommets. Webbing should not have additional punched holes.



INSPECTION TAG

Inspect fall arrest indicators for signs of activation. Remove from service if broken or stretched. Please refer to owner’s manual for more information on fall indicators.



D-RINGS/BACK PADS

Check D-rings for distortion, cracks, breaks, and rough or sharp edges. The D-ring should pivot freely. Inspect for any unusual wear, frayed or cut fibers, or broken stitching of the D-ring attachments. Pads should also be inspected for cracks, excessive wear, or other signs of damage.



QUICK-CONNECT BUCKLES

Inspect the buckle for distortion. The outer bars and center bars must be straight. Make sure dual-tab release mechanism is free of debris and engages properly.



BUCKLES

Inspect for any unusual wear, frayed or cut fibers, or broken stitching of the buckle attachments. Inspect the buckle for distortion. The outer bars and center bars must be straight. Pay special attention to corners and attachment points at the center bar.



HARNESSTESTING

Inspect fall arrest indicators (located on the back D-ring pad) for signs of activation. Remove from service if broken or stretched between any of the four (4) pairs of arrows.

INSPECTION AND MAINTENANCE

SELF-RETRACTING DEVICE TESTING

1. CHECK HOUSING

Before every use, inspect the unit’s housing for loose fasteners and bent, cracked, distorted, worn, malfunctioning, or damaged parts.

2. LIFELINE

Test the lifeline retraction and tension by pulling out the entire lifeline and allow to retract back into the unit. Always maintain a light tension on the lifeline as it retracts.

The lifeline should pull out freely and retract all the way back into the unit. Do not use the unit if the lifeline does not retract. The lifeline must be checked regularly for signs of damage. Inspect for cuts, burns, corrosion, kinks, frays, or worn areas. Inspect any sewing (web lifelines) for loose, broken, or damaged stitching.

3. BRAKING MECHANISM

The braking mechanism can be tested by grasping the lifeline above the load indicator and applying a sharp steady pull downward which will engage the brakes. There should be no slippage of the lifeline while the brakes are engaged. Once tension is released, the brakes will disengage and the unit will return to the retractable mode. Do not use the unit if the brakes do not engage.

Every Miller Self-Retracting Device will be equipped with one of the following load impact indicators and must be checked by the instructions below; do not use the unit if the load impact indicator has been activated.

Webbing Load Indicator

A fold sewn into the webbing lifeline above the snap hook serves as the impact indicator. A warning flag is included and will be exposed should the lifeline be subjected to fall arresting forces.

Swivel Snap Load Indicator

The snap hook load impact indicator is built into the swivel part of the snap hook. The swivel eye will elongate and expose a red area at the location illustrated when subjected to fall arrest forces.

Load Indicator from Shock Absorber Pack

Miller Turbolite™+ Edge and applicable Turbolite+ Hot Flash PFL are equipped with a load indicator built into the shock absorber pack. When subjected to fall arrest forces the internal white energy absorber will become exposed or deploy as shown or the pin may show damage or fracture.

4. SNAP HOOK/CARABINER/REBAR HOOK

The connector gate (keeper) should seat into the nose without binding and should not be distorted, obstructed or damaged. The gate spring should exert sufficient force to firmly close the gate. The gate locking mechanism must prevent the gate from opening when closed. For swivel connectors the swivel should operate smoothly.

CLEANING

Basic care of all safety equipment will prolong the durable life of the unit and will contribute toward the performance of its vital safety function.

Proper storage and maintenance after use are as important as cleansing the equipment of dirt, corrosives, or contaminants. Storage areas should be clean, dry, and free of exposure to fumes or corrosive elements.

1. Nylon or Polyester

Remove all surface dirt with a sponge dampened in plain water. Squeeze the sponge dry. Dip the sponge in a mild solution of water and commercial soap or detergent. Work up a thick lather with a vigorous back-and-forth motion, then wipe with a clean cloth. Hang freely to dry, but away from excessive heat.

2. Housing

Periodically clean the unit using a damp cloth and mild detergent. Towel dry the equipment and allow it to dry completely without exposing it to heat, steam, or prolonged sunlight.





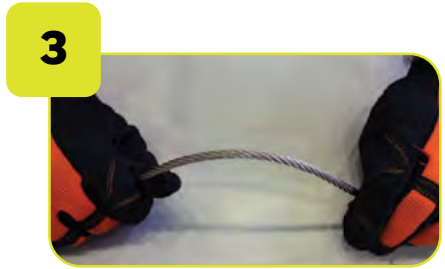
INSPECTION AND MAINTENANCE  
LANYARD INSPECTION



**HARDWARE: SNAPS**  
Inspect closely for hook and eye distortions, cracks, corrosion, or pitted surfaces. The keeper (latch) should seat into the nose without binding and should not be distorted or obstructed. The keeper spring should exert sufficient force to firmly close the keeper. Keeper locks must prevent the keeper from opening when the keeper closes.



**HARDWARE: THIMBLES**  
The thimble must be firmly seated in the eye of the splice, and the splice should have no loose or cut strands. The edges of the thimble must be free of sharp edges, distortion, or cracks.



**WIRE ROPE LANYARD**  
Always wear gloves when inspecting a wire rope lanyard, broken strands can cause injury. While rotating the wire rope lanyard, watch for cuts, frayed areas, or unusual wearing patterns on the wire. Broken strands will separate from the body of the lanyard.



**WEB LANYARD**  
While bending webbing over a pipe or mandrel, observe each side of the webbed lanyard. This will reveal any cuts, snags, or breaks. Swelling, discoloration, cracks, and charring are obvious signs of chemical or heat damage. Observe closely for any breaks in stitching. Inspect lanyard warning flag for signs of activation.



**ROPE LANYARD**  
Rotate the rope lanyard while inspecting from end-to-end for any fuzzy, worn, broken, or cut fibers. Weakened areas from extreme loads will appear as a noticeable change in original diameter. The rope diameter should be uniform throughout, following a short break-in period.



**SHOCK ABSORBER PACK**  
The outer portion of the pack should be examined for burn holes and tears. Stitching on areas where the pack is sewn to D-rings, belts, or lanyards should be examined for loose strands, rips, deterioration, or other signs of activation.



At Miller, we believe that nothing is impossible when you have the right tools and the right attitude.





# Anchorage Connectors and System Kits

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ANCHORAGE CONNECTORS AND SYSTEM KITS

## 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 lb per worker.

CROSS-ARM ANCHORAGE CONNECTORS

Explore our selection of Cross-Arm Anchorage Connectors, designed to provide reliable support and stability for a variety of structural applications. 400 lb maximum capacity.

SKU	Description	Material
8180/22INGN	Scaffold short choker 22 in	Nylon
8183/2FTGN	2-ft model	Nylon
8183/3FTGN	3 ft model	Nylon
8183/4FTGN	4 ft model	Nylon
8183/5FTGN	5-ft model	Nylon
8183/6FTGN	6-ft model	Nylon
8183/8FTGN	8-ft model	Nylon
8183/12FTGN	12-ft model	Nylon
8183/15FTGN	15-ft model	Nylon
8183/20FTGN	20-ft model	Nylon
8183/25FTGN	25-ft model	Nylon
8184/3FTGN	3-ft model with wear pad	Nylon
8184/6FTGN	6-ft model with wear pad	Nylon
8185/2FTGN	2-ft model	Nylon
8185/3FTGN	3-ft model	Nylon
8185/4FTGN	4-ft model	Nylon
8185/5FTGN	5-ft model	Nylon
8185/6FTGN	6-ft model	Nylon
T7314/3FTAF	Titan 3-ft model	Polyester
T7314/4FTAF	Titan 4-ft model	Polyester
T7314/6FTAF	Titan 6 ft model	Polyester
8185K/2FTBK	2 ft model	Kevlar
8185K/3FTBK	3-ft model	Kevlar
8185K/6FTBL	6 ft model	Kevlar

CROSS-ARM CHAIN ANCHOR

The 6 ft 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 lb maximum capacity.

SKU	Description
440/6FT	6-ft model



8180/22INGN



8183/3FTGN



8185/6FTGN



440/6FT



ANCHORAGE CONNECTORS AND SYSTEM KITS

TEMPORARY ANCHORAGE CONNECTORS

DISPOSABLE CONCRETE ANCHOR STRAP

Uniquely designed to provide temporary anchorage on concrete forms. Constructed of 1-3/4 in wide, abrasion-resistant webbing.

SKU	Description
8185C/2FTGN	Concrete anchor strap with steel D-ring 2-ft model
8185C/3FTGN	Concrete anchor strap with steel D-ring 3-ft model
8185C/4FTGN	Concrete anchor strap with steel D-ring 4-ft model



8185C/3FTGN

CONCRETE D-BOLT ANCHORAGE CONNECTOR

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

SKU	Description
417C/	Concrete D-bolt Anchorage Connector with hardware
417CBOLT/	Concrete expansion bolt



417C/

MILLER SHADOW®

Lightweight 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 to 24 in wide and up to 2-½ in 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.



8815-12/



8816-14/

SKU	Application	Description	Fits Flange Sizes	Maximum Flange Thickness
8814-12/	Horizontal	Sliding Shadow Beam Anchor – stainless steel & high-strength aluminum	4 in to 12 in	1-1/4 in
8814-24/	Horizontal	Sliding Shadow Beam Anchor – stainless steel & high-strength aluminum	12 in to 24 in	2-1/2 in
8815-12/	Vertical/Horizontal	Fixed Beam Anchor – stainless steel & high-strength aluminum	4 in to 12 in	1-1/4 in
8815-24/	Vertical/Horizontal	Fixed Beam Anchor – stainless steel & high-strength aluminum	12 in to 24 in	2-1/2 in
8816-14/	Horizontal	Sliding ShadowLite™ Beam Anchor – high-strength aluminum & bronze, 4.2 lb	3 in to 14 in	1-1/4 in

ANCHORAGE CONNECTORS AND SYSTEM KITS

TEMPORARY ANCHORAGE CONNECTORS

WIRE HOOK ANCHOR

The stainless steel wire hook connects to various approved anchorages. Simply squeeze the springloaded hook and slip the large opening over the approved structure. 400 lb maximum capacity.

SKU	Description
470/	Can accommodate up to approx 5-1/2 inch wide by approx 8-inch structural member

CABLE ANCHORAGE CONNECTOR

The Cable Anchorage Connector creates quick, easy and secure anchorage attachment. Constructed of 1/4-in vinyl-coated, galvanized cable and a 3-in steel O-ring. 400 lb maximum capacity.

SKU	Description
WITH STEEL LOCKING SNAP HOOK WITH 3/4-IN GATE OPENING	
8186V-Z7/3FTV	3-ft cable
8186V-Z7/4FTV	4-ft cable
8186V-Z7/6FTV	6-ft cable
8186V-Z7/10FTV	10-ft cable
WITH STEEL CAPTIVE EYE CARABINER WITH 1-IN GATE OPENING	
8187V/3FTV	3-ft cable
8187V/4FTV	4-ft cable
8187V/6FTV	6-ft cable
8187V/8FTV	8-ft cable
8187V/10FTV	10-ft cable

Cable cross arm 3/8-in stainless steel wire rope and two zinc-plated steel O-rings

SKU	Description
SSRLTRK	4-ft cable

SPECTRA SLINGS

North® Spectra® Slings are used as anchorage connectors for fall arrest and travel restraint applications. The slings must be used in accordance with proper fall protection methods and are designed for personnel fall arresting only.

Spectra Fiber is a polyethylene-based fiber and is the lightest and strongest of man made fibers. It will withstand high load strains; it floats, and exhibits superior resistance to chemicals, water, and ultraviolet light.

SKU	Description
FP242/4	4-ft sling
FP242/6	6-ft sling



470/



8186V-Z7/4FTV

8187V/6FTV



SSRLTRK



FP242



ANCHORAGE CONNECTORS AND SYSTEM KITS

TEMPORARY ANCHORAGE CONNECTORS

EXTENSION POLE AND HOOK ANCHORS

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

SKU	Description
475/	Extension pole with anchor hook
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. 400 lb maximum capacity.

SKU	Description
450/	Accommodates beams with a maximum width of 9 in
455/	Accommodates beams with a maximum width of 12-1/2 in

CARABINERS

400 lb maximum capacity.

SKU	Description
17D-1/	Double-action twist-lock carabiner, steel, 1-in gate opening
17D-1PIN/	Double-action twist-lock carabiner, steel, 1-in gate opening w/captive eye pin
17D-2-Z7/	Double-action twist-lock carabiner, aluminum, 1-in gate opening
17D-3-Z7/	Triple-action twist-lock carabiner, aluminum, 0.875-in gate opening
18D-1/	Double-action twist-lock carabiner, steel, 2-in gate opening
18D-2-Z7/	Double-action twist-lock carabiner, aluminum, 2-in gate opening
18D-1-PINONLY/	Captive eye pin only for 18D-1/
SSRLC	Double-action twist-lock carabiner, stainless steel, 3/4-in gate opening



475/



455/



17D-3-Z7/ 18D-1/ 18D-2-Z7/

ANCHORAGE CONNECTORS AND SYSTEM KITS

PERMANENT ANCHORAGE CONNECTORS

MOUNTED D-RING

SKU	Description
410/	Steel D-ring anchor with mounting bracket, 400 lb maximum capacity. For use by ONE person only

BEAM TROLLEY

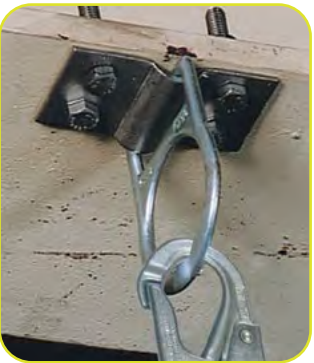
Adjustable and slides along with the worker to provide maximum mobility. 400 lb maximum capacity.

SKU	Description
9065/BK	Beam trolley adjusts to fit beam flanges from 3 in to 4-1/2 in wide
LIGHTWEIGHT BEAM TROLLEY RETROFIT KITS	
9065-1/	Kit converts 9065/BK beam trolley to accommodate I-beams up to 8-1/2 in wide
9065-2/	Kit converts 9065/BK beam trolley to accommodate I-beams up to 12 in wide

D-BOLT ANCHORS

Anchorage connectors are designed as the intermediary for securing a connecting device to an anchorage. The anchorage should be easily accessible, located a safe distance above any lower obstacles and support 5,000 lb per worker. 400 lb maximum capacity.

SKU	Description
415/	D-bolt anchor for up to 3/4-in working thickness, includes a 1/2-in diameter bolt with lockwasher and nut
416/	D-bolt anchor for up to 4-in working thickness, includes a 5/8-in diameter bolt with lockwasher and nut
416SS/	Stainless steel D-bolt anchor for up to 4-in working thickness, includes a 5/8-in diameter bolt with lockwasher and nut
417/	D-bolt anchor accommodates 5/8-in fastener, without hardware
417SS/	Stainless steel D-bolt anchor, without hardware
418/	D-bolt anchor for up to 4-in working thickness includes a 3/4-in diameter bolt with lockwasher and nut
419/	D-bolt anchor accommodates 3/4-in fasteners without hardware



410/



9065/BK



415/



416/







ANCHORAGE CONNECTORS AND SYSTEM KITS

MOBILE ANCHORAGE CONNECTORS

MILLER SKYORB™

Overhead Rotational Boom Anchor

The 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 lb, 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 to 20 ft 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 lb*	121 in x 40 in x 19 in
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 lb	72 in x 6 in x 6 in

SKU	Description
SORBCRATE	SkyORB crate
SORBHWBOOM	SkyORB hardware kit with boom
SORBHWBPIN	SkyORB hardware kit with boom pins
SORBHWBRACE	SkyORB hardware kit with bracing
SORBHWCHOCK	SkyORB hardware kit with chock
SORBHWMAST	SkyORB hardware kit with mast
SORBHWMPINS	SkyORB hardware kit with mast pins

\*Shipping weight displayed. Product weight is 1,050 lb. Dimensions displayed reflect measurements of the crate for shipping purposes.

ANCHORAGE CONNECTORS AND SYSTEM KITS

HORIZONTAL LIFELINE KITS

RAPID RESTRAINT KIT

Working on elevated work surfaces (EWS) like industrial-sized HVAC chillers present multiple fall hazards. When located on a rooftop near an unprotected edge, simply approaching the chiller may expose the technician to the risk of falling. Since the working height is greater than 4 ft, some means of fall protection is required per OSHA 1910. Introducing the Miller Rapid Restraint Kit.

BENEFITS

Easy to set-up

- Allows technician to set-up system easily and quickly (as little as 10 minutes\*)
  - Easy set-up allows technicians to stay productive in the field
  - Components can be easily transported by technician to the work area (kit is supplied with a practical backpack)
- \*As tested internally.*

User friendly and intuitive

- Adjustment points are readily accessible
- Ease of adjustment allows technicians to reach broad work areas
- Easy body positioning (i.e., kneeling, standing, work on elevated surfaces)

Compliant

- The Rapid Restraint Kit meets all applicable OSHA 1926 (subpart M) and OSHA 1910 standards for fall protection

SKU	Description
3012-4016-001	Rapid Restraint Kit

THE KIT INCLUDES:

- Restraint line 30 ft
- Rope grabs
- Cross-arm straps
- Adjustable-rope lanyards
- Carabiners
- Backpack
- Instruction manual





ANCHORAGE CONNECTORS AND SYSTEM KITS

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 calculating 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**, **anchor bolts**, and **precast inserts**.

Complete system includes: stanchions, tie-back brackets, chain connectors, slider brackets, energy absorber(s), line tension indicator, turnbuckle, cable and hardware.

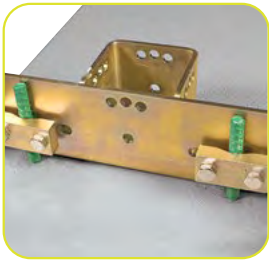
SKU	Description	Number of Stanchions	Pass-through Brackets for Intermediate Stanchions	Number of Energy Absorbers	Workers per System
SGC/30FT	30-ft system	2	No intermediate stanchions	1	2
SGC/60FT	60-ft system	2	No intermediate stanchions	1	2
SGC/120FT	120-ft system	3	1	2	4
SGC/180FT	180-ft system	4	2	2	5
SGC/240FT	240-ft system	5	3	2	5
SGC/300FT	300-ft system	6	4	2	5

COMPONENTS FOR CONCRETE APPLICATIONS

SKU	Description
SGC	Concrete stanchion w/base and V-Grip rebar attachment assemblies
SGCB	Base and V-Grip rebar attachment assemblies
SGCA	Set of two (2) tie back brackets (includes V-Grip rebar attachment assemblies), two (2) chain connectors, two (2) slider brackets and hardware
SGCT	Combination clamp & thimble
SGIH	Intermediate pass-through kit



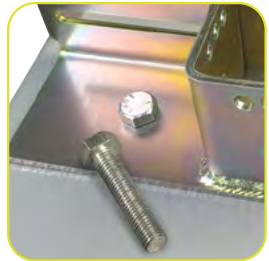
Rebar size 4 to 11  
Rebar spacing 4 in to 12 in



Rebar size 4 to 11. Rebar spacing 8 in to 13 in



Anchor bolts  
(Purchased separately)



Precast inserts  
(Purchased separately)

ANCHORAGE CONNECTORS AND SYSTEM KITS

HORIZONTAL LIFELINE KITS

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 allows for easy one-person installation and dismantle, increasing safety and productivity
- For applications where the beam flange is up to 2-1/4-in thick and 12 to 36 in wide

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

HORIZONTAL LIFELINE KIT WITH STANDARD BASE - FIT BEAM FLANGES 4 IN TO 18 IN WIDE AND UP TO 2-1/4-IN THICK					
SKU	Description	Number of Stanchions	Pass-through Brackets for Intermediate Stanchions	Number of Energy Absorbers	Workers per System
SGS18/30FT	30-ft system	2	No intermediate stanchions	1	2
SGS18/60FT	60-ft system	2	No intermediate stanchions	1	2
SGS18/120FT	120-ft system	3	1	2	4
SGS18/180FT	180-ft system	4	2	2	6
SGS18/240FT	240-ft system	5	3	2	6
SGS18/300FT	300-ft system	6	4	2	6
HORIZONTAL LIFELINE KIT WITH LARGE BASE - FIT BEAM FLANGES 4 IN TO 36 IN WIDE AND MIN 1-IN TO MAX 3-3/8-IN THICK					
SGS36/30FT	30-ft system	2	No intermediate stanchions	1	2
SGS36/60FT	60-ft system	2	No intermediate stanchions	1	2
SGS36/120FT	120-ft system	3	1	2	4
SGS36/180FT	180-ft system	4	2	2	6
SGS36/240FT	240-ft system	5	3	2	6
SGS36/300FT	300-ft system	6	4	2	6

COMPONENTS FOR STEEL APPLICATIONS

SKU	Description	Beam Flange Width	Beam Flange Thickness
SGS18	Stanchion w/standard base	4 in to 18 in	2-1/4 in
SGS36	Stanchion w/large base	12 in to 36 in	2-1/4 in to 3-3/8 in
SGSB18	Standard base	4 in to 18 in	2-1/4 in
SGSB36	Large base	12 in to 36 in	2-1/4 in to 3-3/8 in
SGSEXT18	Standard ext. bar w/adjuster	4 in to 18 in	2-1/4 in
SGSEXT36	Large extension bar w/adjuster	12 in to 36 in	2-1/4 in to 3-3/8 in



Position crossbar



Stanchion installation complete



ANCHORAGE CONNECTORS AND SYSTEM KITS

HORIZONTAL LIFELINE KITS

Additional Applications

- Large extension bar can be used with standard base
- Once a stanchion/base assembly has been completely installed and secured to the beam given the required specifications, a worker may use the stanchion as an anchor point for one person (steel application only)
- The SkyGrip steel system can be installed perpendicular to the support beams when tie-back assembly kit is used. (Part number SGCA)

Contact your Miller Fall Protection representative if you need any support.

COMPONENTS FOR BOTH STEEL AND CONCRETE APPLICATIONS

SKU	Description
SGP-H5	Stanchion post
SGIH	Intermediate pass-through kit
SGX	SkyGrip stainless steel energy absorber
SGXK	SkyGrip stainless steel energy absorber kit w/tension indicator & two (2) shackles and hardware
SGXK-FS	SS Tensioner w/shock absorber
SGSEXPIN	Extension bar replacement pin
SGTB	Turnbuckle, 5/8 inch
SGTB-FS	SS Turnbuckle
SGTI	Tension indicator
SGVG	V-Grip/Rebar clamp assemblies
SGW	Double saddle wire rope clip
SGW-FS/SS	SS Double saddle wire rope clip



ANCHORAGE CONNECTORS AND SYSTEM KITS

HORIZONTAL LIFELINE KITS

MILLER SKYGRIP

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



8183/10FTGN

Miller Cross-Arm Straps

Conveniently wrap around I-beams and other structures to form secure points of attachment.



Using **cross-arm** straps



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
SG416/30FT	30-ft kit w/two SKU 416/ D-bolt anchors
SG416/60FT	60-ft kit w/two SKU 416/ D-bolt anchors
SG416/90FT	90-ft kit w/two SKU 416/ D-bolt anchors
SG416/120FT	120-ft kit w/two SKU 416/ D-bolt anchors
SG417/30FT	30-ft kit w/two SKU 417/ D-bolt anchors, <b>does not include anchor hardware</b>
SG417/60FT	60-ft kit w/two SKU 417/ D-bolt anchors, <b>does not include anchor hardware</b>
SG8183-10/60FT	60-ft kit w/two SKU 8183/10FTGN 10-ft Cross-arm strap
SG8815-12/30FT	30-ft kit w/two SKU 8815-12/ Fixed beam anchors
SG8815-12/60FT	60-ft kit w/two SKU 8815-12/ Fixed beam anchors
SG8815-24/60FT	60-ft kit w/two SKU 8815-24/ Fixed beam anchors
SGXK	Galv. energy absorber kit includes; SS coil shock absorber, galv. tension indicator, two (2) galv. anchor shackles & galv. hardware
SGXK-FS	SS energy absorber kit includes SS coil energy absorber, SS tension indicator, two (2) SS anchor shackles & SS hardware
416/	Galv. D-bolt anchor, 5/8-in hole for hardware, 5/8-in dia. x 5-in long galv. bolt w/nut & washer
417/	Galv. D-bolt anchor, 5/8-in hole for hardware, <b>does not include hardware</b>

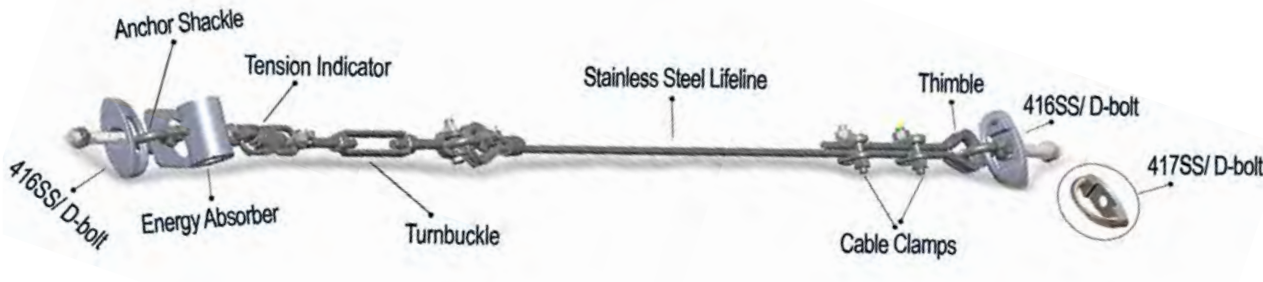
ANCHORAGE CONNECTORS AND SYSTEM KITS

HORIZONTAL LIFELINE KITS

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 and accommodate up to two workers (no intermediate bracket required)
- Multi span systems – max two workers per 60 ft max span, up to six total workers on systems over 60 ft
- Compact and lightweight – provides for easier handling and installation
- Ideal for corrosive environments – designed for petrochemical, pharmaceutical, food processing, outdoor, and off-shore applications



30 ft (9 m) kit w/two SKU 416/ D-bolt anchors

SKU	Description	Anchorage Connector
SGLLK-FS/20FT	20-ft SS lifeline, four (4) SS anchor shackles, turnbuckle, cable clamps, tension indicator, thimble, & energy absorber	D-bolt with hardware not included
SGLLK-FS/30FT	30-ft SS lifeline, four (4) SS anchor shackles, turnbuckle, cable clamps, tension indicator, thimble, & energy absorber	D-bolt with hardware not included
SGLLK-FS/40FT	40-ft SS lifeline, four (4) SS anchor shackles, turnbuckle, cable clamps, tension indicator, thimble, & energy absorber	D-bolt with hardware not included
SGLLK-FS/60FT	60-ft SS lifeline, four (4) SS anchor shackles, turnbuckle, cable clamps, tension indicator, thimble, & energy absorber	D-bolt with hardware not included
SGLLK-FS/120FT	120-ft SS lifeline, four (4) SS anchor shackles, turnbuckle, cable clamps, tension indicator, thimble, & energy absorber	D-bolt with hardware not included
SGLLK-FS/150FT	150-ft SS lifeline, four (4) SS anchor shackles, turnbuckle, cable clamps, tension indicator, thimble, & energy absorber	D-bolt with hardware not included
SG416-FS/30FT	30-ft SS lifeline kit (SGLLK-FS/30FT), two (2) 416SS/ D-bolt anchors	D-bolt with hardware included
SG416-FS/60FT	60-ft SS lifeline kit (SGLLK-FS/60FT), two (2) 416SS/ D-bolt anchors	D-bolt with hardware included
SG416-FS/120FT	120-ft SS lifeline kit (SGLLK-FS/120FT), two (3) 416SS/ D-bolt anchors	D-bolt with hardware included
SG417-FS/30FT	30-ft SS lifeline kit (SGLLK-FS/30FT), two (2) 417SS/ D-bolt anchors	D-bolt included, anchor hardware not included
SG417-FS/60FT	60-ft SS lifeline kit (SGLLK-FS/60FT), two (2) 417SS/ D-bolt anchors	D-bolt included, anchor hardware not included
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 hole for hardware, 5/8-in dia. x 5-in long SS bolt w/nut & washer	–
417SS/	SS D-bolt anchor, 5/8-in hole for hardware, <b>does not include anchor hardware</b>	–

ANCHORAGE CONNECTORS AND SYSTEM KITS

HORIZONTAL LIFELINE KITS

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 lb
- Rope lifeline adjuster to accommodate required length (Standard tools required for tensioning, not included)
- Bucket for safe storage



HLLR2-Z7/30FT

SKU	Description	Kit Contents
HLLR2-Z7/30FT	30-ft Rope Temporary HLL System	11/16-in Kernmantle-style rope lifeline 30-ft working length, lifeline adjuster, 2 heavy-duty cross-arm straps 10 ft, shock absorber pack, 2 connecting O-rings and 5 gal bucket
HLLR2-Z7/60FT	60-ft Rope Temporary HLL System	11/16-in Kernmantle-style rope lifeline 60-ft working length, lifeline adjuster, 2 heavy-duty cross-arm straps 10 ft, shock absorber pack, 2 connecting O-rings and 5 gal bucket
HLLR2-L/30FT	30-ft Rope Temporary HLL System	11/16-in Kernmantle-style rope lifeline 30-ft working length, lifeline adjuster, shock absorber pack, 2 connecting O-rings and 5 gal bucket. <b>No cross arm straps included</b>
HLLR2-L/60FT	60-ft Rope Temporary HLL System	11/16-in Kernmantle-style rope lifeline 60-ft working length, lifeline adjuster, shock absorber pack, 2 connecting O-rings and 5 gal bucket. <b>No cross arm straps included</b>
HLLCS/10FT	Replacement 10-ft cross arm strap	–





ANCHORAGE CONNECTORS AND SYSTEM KITS

HORIZONTAL LIFELINE KITS

MILLER SHOCKFUSION™

Horizontal Lifeline Kits for Rooftop Safety

A variety of do-it-yourself Miller ShockFusion Horizontal Lifeline (HLL) Kits for rooftop safety are now available and offer the same innovative energy absorbing design as a custom ShockFusion System. The new kits are designed for simple straight-line configurations and can be rated for one to four users depending on the application.

The kits feature the ability to pass through the intermediate maintaining 100% connection along the length of the full system. All Miller ShockFusion HLL Kits are designed to minimize deflection in the lifeline while effectively managing system forces to maintain a safe connection to a variety of roof structures. The unique mounting system makes installation quick and easy while reducing labor costs.

Contact the Miller Engineered Solutions team for assistance and pricing of kit systems:

[MESservices@PIPGlobal.com](mailto:MESservices@PIPGlobal.com)

Note: If your application does not meet the requirements of a kit style system, please contact the Miller Engineered Solutions team to explore options for a custom engineered system:

[MESservices@PIPGlobal.com](mailto:MESservices@PIPGlobal.com)



ANCHORAGE CONNECTORS AND SYSTEM KITS

HORIZONTAL LIFELINE KITS

MILLER XENON® HORIZONTAL LIFELINE KITS

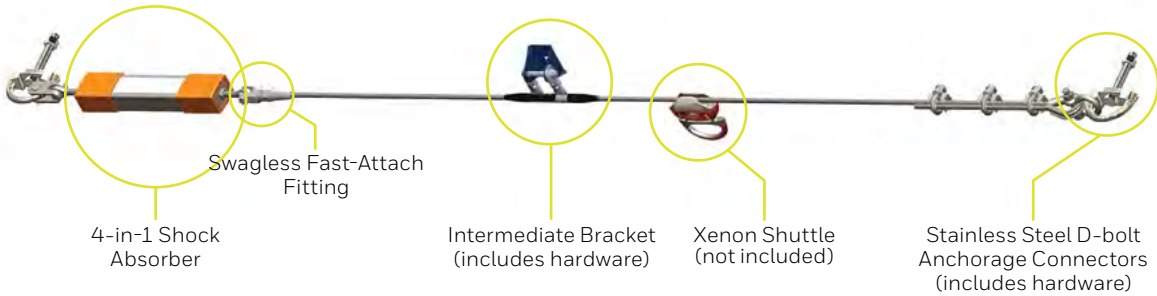
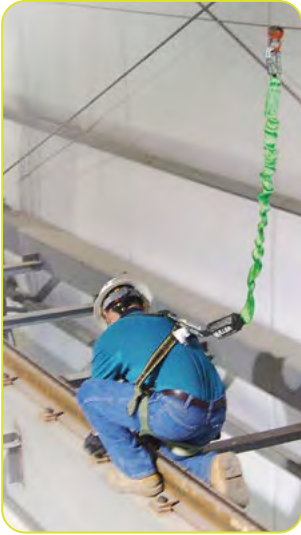
Xenon Horizontal Lifeline Kits – Straight-Line Kits

Straight-line kits can be installed by contractors and customers without the need for a certified installer. A variety of kit lengths are available with maximum intermediate spans of 30 ft and will accommodate one to four users depending on the configuration. The kits feature the ability to pass through the intermediate maintaining 100% connection along the length of the full system. Kits must be installed at an elevation that can be reached by the users, typically **5-ft to 7-ft** above the walking working surface.

All Miller Xenon HLL Kits are designed to minimize deflection in the lifeline while effectively managing system forces to maintain a safe connection to the supporting structure.

Note: If your application requires the HLL to be mounted at a height above the users reach or does not meet the other requirements of a kit style system, please contact the Miller Engineered Solutions team to explore options for a custom engineered system:

[MESservices@PIPGlobal.com](mailto:MESservices@PIPGlobal.com)



MILLER XENON HORIZONTAL LIFELINE KITS

SKU	System Length	Number of Intermediate Brackets
X00030	30 ft	0
X00060	60 ft	1
X00090	90 ft	2
X00120	120 ft	3
X00150	150 ft	4
X00180	180 ft	5
X00210	210 ft	6
X00240	240 ft	7
X00270	270 ft	8
X00300	300 ft	9
X00330	330 ft	10
X00360	360 ft	11
X00390	390 ft	12
X00420	420 ft	13
X00450	450 ft	14
X00480	480 ft	15
X00510	510 ft	16

Longer length available, contact the [MESservices@PIPGlobal.com](mailto:MESservices@PIPGlobal.com).  
Xenon shuttle sold separately (1005709)  
Each kit includes one (1) shock absorber for one to two users. Additional shock absorber needed for three to four users (FPH\_24353).  
Additional intermediate brackets can be added to shorten system sub-spans and create additional support points (1010608).

ANCHORAGE CONNECTORS AND SYSTEM KITS

HORIZONTAL LIFELINE KITS

MILLER XENON HORIZONTAL LIFELINE KITS REPLACEMENT PARTS

SKU	Title	Description
1005709	Xenon Shuttle	Self-aligns for smooth automatic pass-through of of-intermediate brackets, dual-locking mechanism for added safety
RP105/	Cable Pulley	Cable pulley, for use with a single span Xenon HLL (30 ft) placed at an elevation out of reach from the user. Limited to use with smaller SRD's (PFL's) only
XC00060	Cable Lifeline	5/16-in diameter SS, 7x7 wire rope, 60 ft
XC00120	Cable Lifeline	5/16-in diameter SS, 7x7 wire rope, 120 ft
XC00150	Cable Lifeline	5/16-in diameter SS, 7x7 wire rope, 150 ft
XC00180	Cable Lifeline	5/16-in diameter SS, 7x7 wire rope, 180 ft
XC00210	Cable Lifeline	5/16-in diameter SS, 7x7 wire rope, 210 ft
XC00240	Cable Lifeline	5/16-in diameter SS, 7x7 wire rope, 240 ft
XC00270	Cable Lifeline	5/16-in diameter SS, 7x7 wire rope, 270 ft
XC00300	Cable Lifeline	5/16-in diameter SS, 7x7 wire rope, 300 ft
XC00330	Cable Lifeline	5/16-in diameter SS, 7x7 wire rope, 330 ft
XC00360	Cable Lifeline	5/16-in diameter SS, 7x7 wire rope, 360 ft
XC00390	Cable Lifeline	5/16-in diameter SS, 7x7 wire rope, 390 ft
XC00420	Cable Lifeline	5/16-in diameter SS, 7x7 wire rope, 420 ft
XC00450	Cable Lifeline	5/16-in diameter SS, 7x7 wire rope, 450 ft
XC00480	Cable Lifeline	5/16-in diameter SS, 7x7 wire rope, 480 ft
FPH_24353	Xenon 4-in-1 Shock Absorber	4-in-1unit: absorbs energy to reduce system forces,-includes a turnbuckle mechanism for easy tensioning, fall-indicator to show someone has fallen, compact design allows for immediate connection for added worker safety
1013720	Fast-Attach Fitting	Provides for easy-installation of cable, requires no specialty swaging tools
1010608	Intermediate Support Bracket with Hardware	Intermediate support bracket allows for free floating or locked positioning and easy passage of Xenon shuttle; includes 1/2-in x 3-in long stainless steel bolt, nut and washer
FPH_23496	Intermediate Support Bracket	Intermediate support bracket allows for free floating or locked positioning and easy passage of Xenon shuttle (Hardware not included)
XP00001	Thimble (1)	Stainless steel thimble
XP00002	Cable Clip (3)	5/16-in wire rope clip
SGAS-SS	Anchor Shackle (1)	7/16-in stainless steel shackle with bolt, nut and cotter pin
416SS/	Stainless Steel D-bolt Anchorage Connector with Hardware	Can be mounted on a vertical surface or overhead for added versatility,-includes 5/8-in diameter x 5-in long stainless steel bolt w/nut & washer
417SS/	Stainless Steel D-bolt Anchorage Connector	Features 5/8-in hole for hardware, can be mounted on a vertical surface or overhead for added versatility (Hardware not included)
23949	Plastic Guide	5/16-in-intermediate plastic guide (Installation tool not included)
FPH_22624	Plastic Guide Installation Tool	Installation tool for replacement plastic-intermediate bracket guides (FPH_23949)



23949



417SS/



1005709



RP105/



FPH\_24353



1013720



1010608



FPH\_23496



416SS/

ANCHORAGE CONNECTORS AND SYSTEM KITS

VERTICAL CLIMBING SYSTEM KITS

MILLER VI-GO™ VERTICAL CABLE SYSTEM

Ladder Climbing Systems

The Vi-Go Vertical Cable system provides the ultimate safety with continuous fall protection when climbing fixed ladders. Systems are available in easy-to-install kits or as a build your own option.

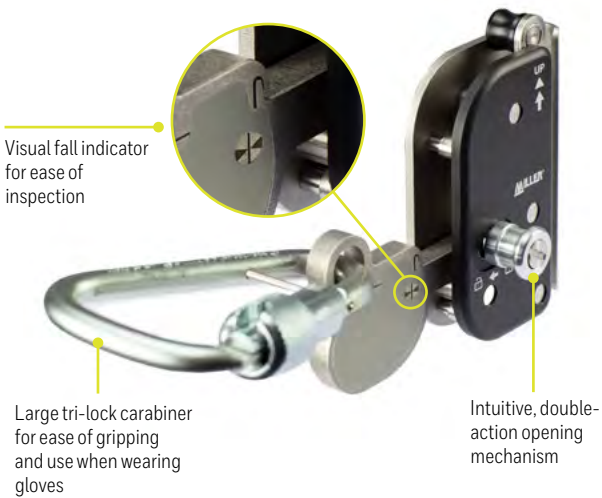
Benefits of the System

- Accommodates up to four workers at a time
- Includes multiple components to perfectly adapt to almost any ladder
- Available with 3/8-in cable, galvanized or stainless steel components
- OSHA, ANSI, CSA, and EN standards (depending on the configuration)
- VC500 Fall Arrester glides easily through intermediate brackets, uninterrupted: hands and feet are free for climbing

VC500 FALL ARRESTERS

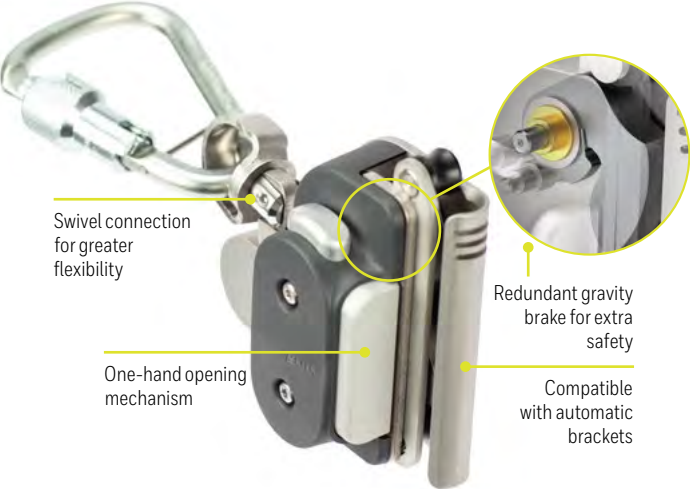
FPH\_VC510

Sturdy and Effective Fall Arrester



FPH\_VC570

The Choice for Global, Demanding Users



Sold Separately - One Shutter per Climber		
Part Number	Cable Size	Standards
FPH_VC570	3/8-in galvanized and stainless steel	ANSI Z359.16-2016, OSHA 1910.29 / OSHA 1926.502, CSA Z259.2.5-2017



ANCHORAGE CONNECTORS AND SYSTEM KITS

VERTICAL CLIMBING SYSTEM KITS

MILLER VI-GO SYSTEM KITS

Galvanized Steel	Stainless Steel	Galvanized Steel	Stainless Steel	Cable Length	No. of Intermediate Brackets
Rung Clamp	Rung Clamp	Platform Ex. (PE)	Platform Ex. (PE)		
VGG/10FT	VGS/10FT	VGGPE/10FT	VGSPE/10FT	10 ft	0
VGG/20FT	VGS/20FT	VGGPE/20FT	VGSPE/20FT	20 ft	0
VGG/30FT	VGS/30FT	VGGPE/30FT	VGSPE/30FT	30 ft	0
VGG/40FT	VGS/40FT	VGGPE/40FT	VGSPE/40FT	40 ft	0 Standard 1 PE version
VGG/50FT	VGS/50FT	VGGPE/50FT	VGSPE/50FT	50 ft	1
VGG/60FT	VGS/60FT	VGGPE/60FT	VGSPE/60FT	60 ft	1
VGG/70FT	VGS/70FT	VGGPE/70FT	VGSPE/70FT	70 ft	1
VGG/80FT	VGS/80FT	VGGPE/80FT	VGSPE/80FT	80 ft	1 Standard 2 PE version
VGG/90FT	VGS/90FT	VGGPE/90FT	VGSPE/90FT	90 ft	2
VGG/100FT	VGS/100FT	VGGPE/100FT	VGSPE/100FT	100 ft	2
VGG/110FT	VGS/110FT	VGGPE/110FT	VGSPE/110FT	110 ft	2
VGG/120FT	VGS/120FT	VGGPE/120FT	VGSPE/120FT	120 ft	2 Standard 3 PE version

ALL KITS INCLUDE:

- A top bracket: rung clamp or platform extension
  - A bottom bracket with universal tensioner
  - A top shock absorber (only for stainless steel kits)
  - A 3/8-in steel cable lifeline
- Intermediate brackets (quantity as required for the kit)
  - All the necessary fasteners
  - Identification plate
  - Instruction manual

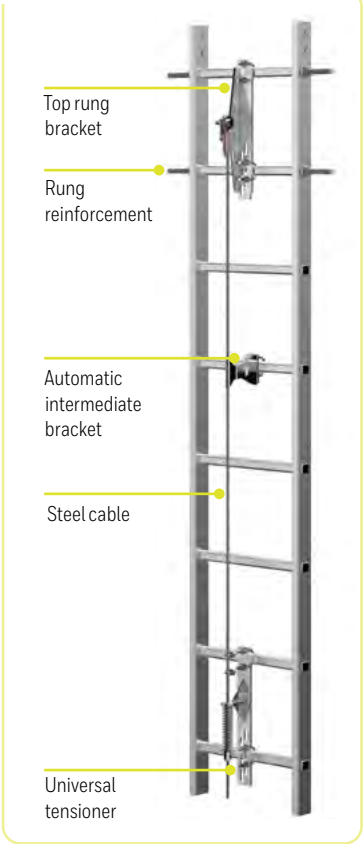
Fall arresters and harnesses with front D-ring sold separately.

All the components in the stainless steel kits are made of stainless steel.  
All the components in the galvanized steel kits are made of galvanized steel, except the intermediate bracket that is made of stainless steel.

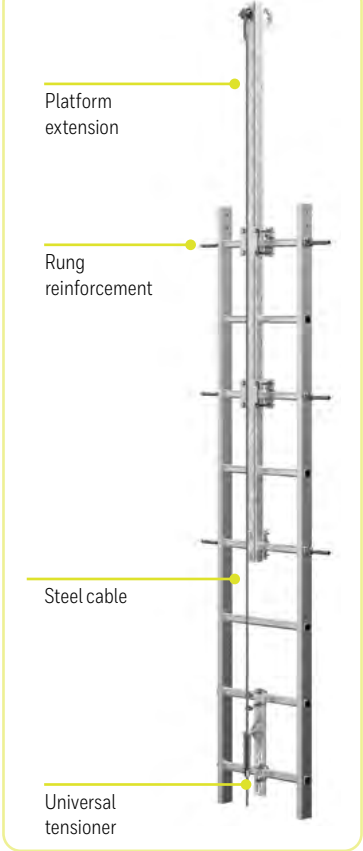
Longer installations, up to 500 ft, are possible ordering the spare components with the appropriate length of cable and number of intermediate brackets.  
Contact the Miller sale specialist for support.

*\* Picture may vary from galvanized to stainless steel*

System with Top Rung Bracket



System with Platform Extension

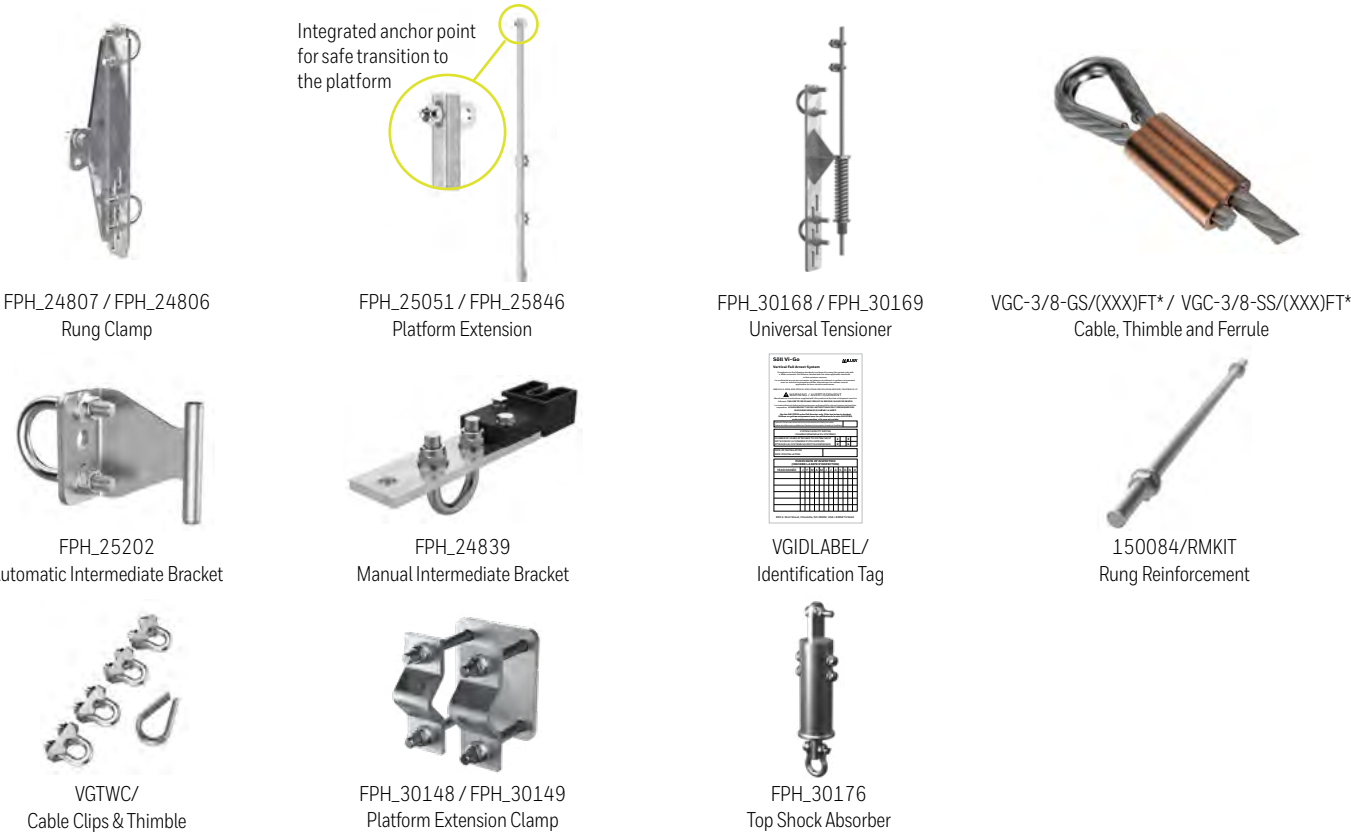


ANCHORAGE CONNECTORS AND SYSTEM KITS

VERTICAL CLIMBING SYSTEM KITS

MILLER VI-GO SYSTEM KITS

SKU	Description	Material
FPH_24807	Rung clamp; cable fixing clamp fastened directly to ladder rungs using elongated holes to suit different ladder rung distances. For rung profiles 1 in to 1-1/2 in	Galvanized steel
FPH_24806	Rung clamp; cable fixing clamp fastened directly to ladder rungs using elongated holes to suit different ladder rung distances. For rung profiles 1 in to 1-1/2 in	Stainless steel
FPH_25051	Platform extension; for applications where cables need to extend above the top of the ladder to allow safe access to platform	Galvanized steel
FPH_25846	Platform extension; for applications where cables need to extend above the top of the ladder to allow safe access to platform	Stainless steel
FPH_30168	Platform extension; cable tensioner with integrated rung bracket and tension indicator for quick installation	Galvanized steel
FPH_30169	Universal tensioner; cable tensioner with integrated rung bracket and tension indicator for quick installation	Stainless steel
VGC-3/8-GS/(XXX)FT	Sold in 10-ft increments, includes thimble and ferrule	Galvanized steel
VGC-3/8-SS/(XXX)FT	Sold in 10-ft increments, includes thimble and ferrule	Stainless steel
FPH_25202	Automatic intermediate bracket; fitted to ladder rung to hold the cable in place. For rung profiles 1 in to 1-1/2 in	Stainless steel
FPH_24839	Fitted to ladder rung to hold the cable in place. For rung profiles 1 in to 1-1/2 in	Stainless steel
VGIDLABEL/	Laminated identification/inspection tag	Galvanized steel
150084/RMKIT	Rung reinforcement; ror reinforcement of hollow rungs as in the case when using cable extensions above the ladder	Stainless steel
VGTCW/	Identification tag; can be used as top or bottom cable end terminal for flexibility during installation	Galvanized steel
FPH_30148	Platform extension clamp; additional spare rung clamp to spread the load on more ladder rungs	Stainless steel
FPH_30149	Platform extension clamp; additional spare rung clamp to spread the load on more ladder rungs	Galvanized steel
FPH_30176	Top shock absorber; shock absorber needed only if stainless steel cables are used with legacy fall arresters. VGCS, VGCS-C, VGCS-SC, TRCS, TRCS-C, TRCS-SC	Stainless steel





ANCHORAGE CONNECTORS AND SYSTEM KITS

VERTICAL CLIMBING SYSTEM KITS

MILLER GLIDELOC® VERTICAL RAIL SYSTEM

The GlideLoc Vertical Rail System is the state-of-the-art solution to provide safety at height when climbing permanent ladders.

The GlideLoc vertical rail system is designed to withstand the effects of harsh weather conditions and variable temperatures. The design can be adapted to suit different structural requirements thanks to its flexibility and a broad range of accessories.

The system is available in different materials:

- **Hot-dipped galvanized steel** is a cost-effective solution for conventional applications
- **Stainless steel** is the best solution for harsh environments such as chemical plants, food production, offshore sites, and industrial chimneys
- **Aluminium** offers a smooth surface and a sleek appearance, while highly resistant to corrosion and distortion. The lightweight designs makes the installation easier

The GlideLoc VR600 series fall arresters are engineered to facilitate effortless climbing for all users, regardless of their experience level or climbing technique.

VR600 FALL ARRESTERS

- Effortless climbing experience
- Minimum static strength is 3600 lb
- Familiar and intuitive connection to the rail through entry points
- Anti-panic features; secondary independent and automatic locking shuttle
- Integrated RFID for asset management
- Visual fall indicator for ease of inspection
- Tri-lock carabiner with min. 3600 lb brake strength

FPH\_VR650

Smooth climb while leaning back or in confined space



Part Number	Description	Standards
FPH_VR650	Detachable at the top or bottom of the rail only	ANSI 14.3-2008 / ANSI Z359.16-2016, OSHA 1910.29 / OSHA 1926.502 / OSHA 1910.140, CSA Z259.2.5-2017
FPH_VR670	Detachable anywhere along the rail at any point	

GlideLoc Fall Arrester and other Glideloc Vertical Rail System components are designed for use with Miller-approved components only. Substitution or replacement with non-approved component combinations, sub-systems, or both, may affect or interfere with the safe function of each other and endanger the compatibility within the system. This incompatibility may affect the reliability and safety of the total system.

ANCHORAGE CONNECTORS AND SYSTEM KITS

VERTICAL CLIMBING SYSTEM KITS

MILLER GLIDELOC SYSTEM KITS

Systems are available in easy to install kits including:

- Vertical rails (quantity depending on the kit) with splice connection
- Rung clamps for rungs up to 1-1/4-in diameter (FPH\_14804 galv. kits or FPH\_14813 SS kits) (quantity depending on the kit)
- Two end stops (FPH\_26027)
- All the necessary fastener, Identification plate, installation instructions included in the instruction manual

Systems can be customized for your application with a range of additional components:

- Brackets for larger ladder rungs
- Brackets to attach to ladder side rails
- Foldable foot rests for long ladders
- Shaft entry device to provide easy access to manholes
- Exit section
- Rotary exit

GlideLoc Vertical Height Access Ladder System Kits

SKU			System Length	Sections of 10 ft (3.0m) rail	Number of Ladder Rung Clamps
Galvanized	Aluminium	Stainless Steel			
GG0020	GA0020	GS0020	20 ft	2	4
GG0030	GA0030	GS0030	30 ft	3	6
GG0040	GA0040	GS0040	40 ft	4	7
GG0050	GA0050	GS0050	50 ft	5	9
GG0060	GA0060	GS0060	60 ft	6	10
GG0070	GA0070	GS0070	70 ft	7	11
GG0080	GA0080	GS0080	80 ft	8	13
GG0090	GA0090	GS0090	90 ft	9	14
GG0100	GA0100	GS0100	100 ft	10	16
GG0110	GA0110	GS0110	110 ft	11	17
GG0120	GA0120	GS0120	120 ft	12	19
GG0140	GA0140	GS0140	140 ft	14	21
GG0160	GA0160	GS0160	160 ft	16	24
GG0180	GA0180	GS0180	180 ft	18	27
GG0200	GA0200	GS0200	200 ft	20	30

For longer system please contact Contact Miller Engineed Services for support.  
[MESservices@PIPGlobal.com](mailto:MESservices@PIPGlobal.com)



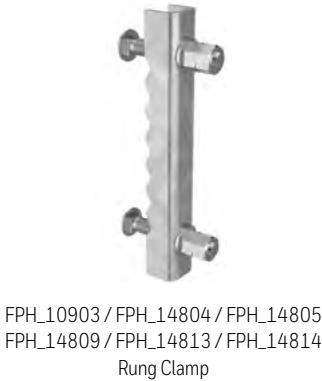


ANCHORAGE CONNECTORS AND SYSTEM KITS

VERTICAL CLIMBING SYSTEM KITS

MILLER GLIDELOC SYSTEM COMPONENTS

SKU	Material	Description
FPH_14622	Galvanized steel	Vertical guide rail; for applications where the rail needs to be assembled on existing ladders. Includes the rail splice connector. Length of 10 ft-1 in
FPH_15729	Aluminum	Vertical guide rail; for applications where the rail needs to be assembled on existing ladders. Includes the rail splice connector. Length of 10 ft-1 in
FPH_16852	Stainless steel	Vertical guide rail; for applications where the rail needs to be assembled on existing ladders. Includes the rail splice connector. Length of 10 ft-1 in
FPH_11317	Galvanized steel	Exit section; allows detaching and attaching the fall arrester from the rail
FPH_16978	Stainless steel	Exit section; allows detaching and attaching the fall arrester from the rail
FPH_11382	Galvanized steel	Side mount clamp; enables mounting rail along the side of ladder. Fits side rail size up to width 2-3/8, thickness 9/16
FPH_16847	Stainless steel	Side mount clamp; enables mounting rail along the side of ladder. Fits side rail size up to width 2-3/8, thickness 9/16
FPH_23724	Galvanized steel	Folding foot rest; provides a rest platform that conveniently folds out of the way when not in use
FPH_26087	Galvanized steel	Rotary exit section; allows safe access to leave the top of the guide rail while standing on the upper platform
FPH_10903	Galvanized steel	Rung clamp for ladders with round rungs for diameters up to 1 in
FPH_14804	Galvanized steel	Rung clamp for ladders with round rungs for diameters 1 in to 1-1/4 in
FPH_14805	Galvanized steel	Rung clamp for ladders with round rungs for diameters 1-1/4 in to 1-3/4 in
FPH_14809	Stainless steel	Rung clamp for ladders with round rungs for diameters up to 1 in
FPH_14813	Stainless steel	Rung clamp for ladders with round rungs for diameters 1 in to 1-1/4 in
FPH_14814	Stainless steel	Rung clamp for ladders with round rungs for diameters 1-1/4 in to 1-3/4 in

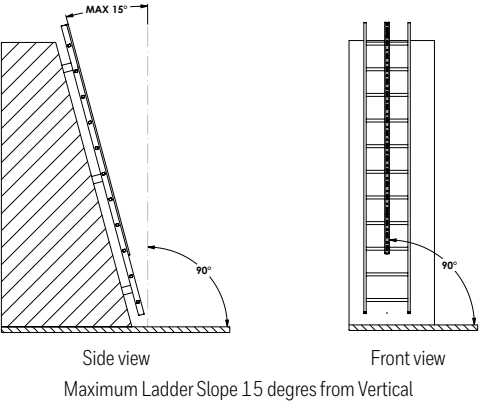


ANCHORAGE CONNECTORS AND SYSTEM KITS

VERTICAL CLIMBING SYSTEM KITS

MILLER GLIDELOC® SYSTEM COMPONENTS

SKU	Material	Description
FPH_26027	Stainless steel	End-stop; for use on vertical rail applications. Allows for entering & exiting the system with GlideLoc fall arresters
FPH_11634	Stainless steel	Rigid end-stop; for use with vertical rail, prevents GlideLoc fall arresters from being removed from rail
FPH_17065	Stainless steel	Shaft entering device; allows safe entry of a shaft such as a manhole. The prongs slip into coupling device FPH_16191. For complete system both parts are required
FPH_16191	Stainless steel	Coupling device used with shaft entering device FPH_17065
FPH_30162	Galvanized steel	Rung clamp for ladders with rungs made of U or rectangular profiles. 3/4 in to 1-1/2 in
FPH_30163	Galvanized steel	Rung clamp for ladders with rungs made of U or rectangular profiles. 1-1/2 in to 2-3/4 in
FPH_30164	Stainless steel	Rung clamp for ladders with rungs made of U or rectangular profiles. 3/4 in to 1-1/2 in
FPH_30165	Stainless steel	Rung clamp for ladders with rungs made of U or rectangular profiles. 1-1/2 in to 2-3/4 in



ANCHORAGE CONNECTORS AND SYSTEM KITS

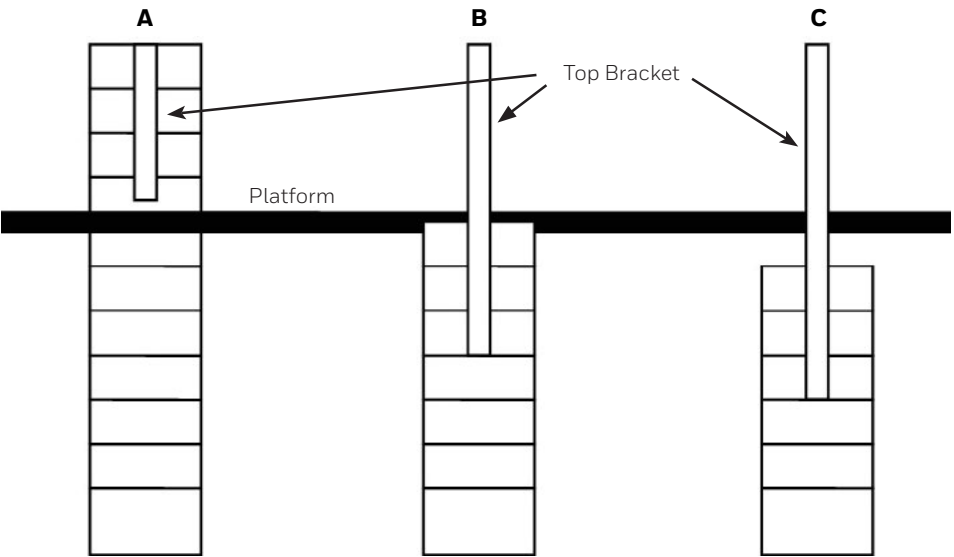
VERTICAL CLIMBING SYSTEM KITS

FIXED LADDER SAFETY SYSTEM WITH TOP BRACKET AND SELF-RETRACTING LIFELINE

Fixed Ladder Safety System. No Cable Needed.

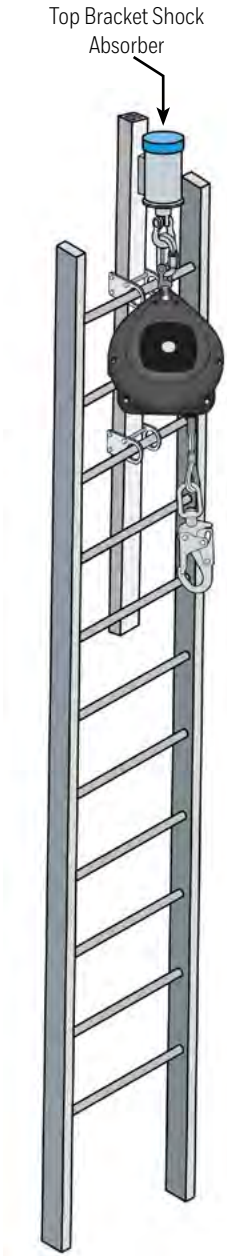
Combine our nearly indestructible Falcon™ Self-Retracting Lifelines (SRL) with our Ladder Top Bracket Assembly for a cost-competitive solution to ladder safety. Meet OSHA's fixed ladder regulation (1910.23) requiring a personal fall arrest or ladder safety system on fixed ladders over 24 ft. Contact [MESservices@PIPGlobal.com](mailto:MESservices@PIPGlobal.com) for details.

Typical setup for ladder climbing safety has the ladder exceeding past the platform (A), ladder stopping at the platform (B), or the ladder stopping 1-2 rungs before the platform (C).



SKU	Description
TRTB-7	7-ft galvanized top bracket assembly with built-in shock absorber
TRTB-10	10-ft galvanized top bracket assembly with built-in shock absorber

Please refer to the Falcon and MightyLite™ (in the Connecting Devices section) to select your preferred length.



ANCHORAGE CONNECTORS AND SYSTEM KITS

VERTICAL CLIMBING SYSTEM KITS

SAF-T-CLIMB®

Ladder Climbing System

A basic straight-rail Saf-T-Climb System consists of five components:

SYSTEM COMPONENTS

1 SAF-T-NOTCH RAIL

SKU	Description	Material
526-101-001R	Saf-T-Notch Rail	Galvanized rail
526-102-001	Saf-T-Notch Rail	Aluminum rail
526-105-001	Saf-T-Notch Rail	Type 316L stainless steel rail

Specify length when ordering; if the ladder starts at the ground, subtract two feet from the total rail length (for shuttle installation/removal)

If using a removable dismount, subtract an additional foot from the total rail length

If using a permanent dismount, subtract three additional feet from the total rail length

2 RUNG CLAMPS

SKU	Description	Material
024-101-001	Round rungs up to 1-1/4-in diameter	Galvanized
024-102-001	Round rungs up to 1-1/4-in diameter	Aluminum
024-105-001	Round rungs up to 1-1/4-in diameter	Type 316L stainless steel
024-101-002	Square rungs up to 1-1/4-in thickness	Galvanized
024-102-002	Square rungs up to 1-1/4-in thickness	Aluminum
024-105-002	Square rungs up to 1-1/4-in thickness	Type 316L stainless steel

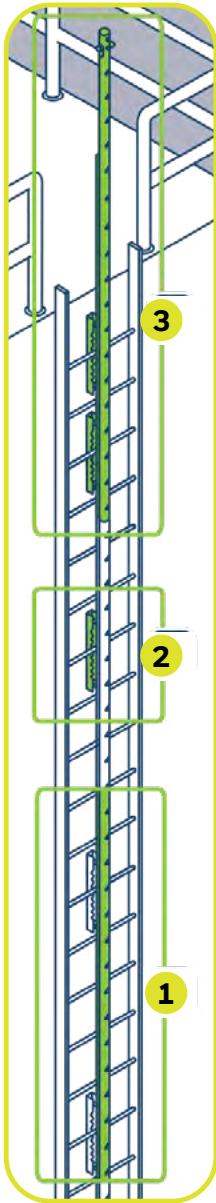
Use one rung clamp at least every 6 ft (Aluminum uses one at least every 4 ft)

Rung clamps must be placed above and below splice on first available rung

Add one additional rung clamp if using a removable dismount. Add two rung clamps if using a permanent dismount

3 DISMOUNT EXTENSIONS

SKU	Description	Material
REMOVABLE ASCENDING HATCH DISMOUNT AND HOLDER (Removable Extension Holder sold separately)		
808-101-042R	42-in Removable Extension	Galvanized
808-101-142	Removable Extension Holder	Galvanized
808-102-042	42-in Removable Extension	Aluminum
808-102-142	Removable Extension Holder	Aluminum
808-105-042	42-in Removable Extension	Type 316L stainless steel
808-105-142	Removable Extension Holder	Type 316L stainless steel
REMOVABLE DESCENDING HATCH DISMOUNT		
803-101-054R	54-in Removable Extension	Galvanized
803-102-054	54-in Removable Extension	Aluminum
803-105-054	54-in Removable Extension	Type 316L stainless steel
SAF-T-PIVOT PERMANENT DISMOUNT (Rung clamps required for installation sold separately - two per 8 ft extension)		
527-101-001R	8-ft Permanent Extension	Galvanized
527-102-001	8-ft Permanent Extension	Aluminum
527-105-001	8-ft Permanent Extension	Type 316L stainless steel





ANCHORAGE CONNECTORS AND SYSTEM KITS

VERTICAL CLIMBING SYSTEM KITS

USER EQUIPMENT

4 SAF-T-GRIP SHUTTLE

SKU	Description
602-100-003-H5	Saf-T-Grip Shuttle, locks into the rail in the event of a fall

Each user requires a Saf-T-Grip shuttle

5 SAF-T-CLIMB HARNESS

SKU	Description
733-201-001	Universal Harness (L/XL) with medium belt
733-201-002	Universal Harness (L/XL) with large belt
733-201-003	Universal Harness (L/XL) with XL belt
733-201-004	Universal Harness (L/XL) with small belt

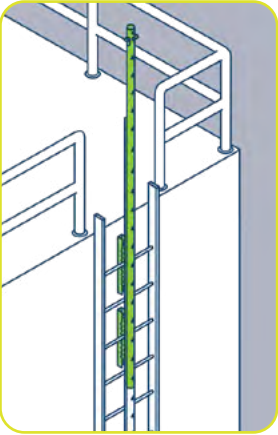
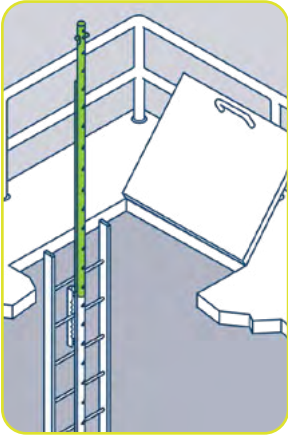
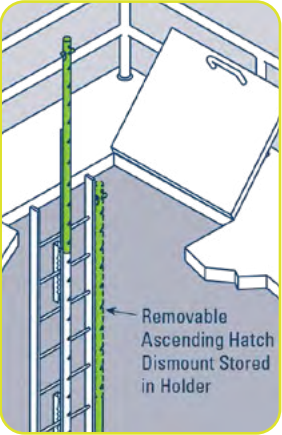
Each user requires a Saf-T-Climb harness.

Custom Saf-T Climb Systems

The need for custom Saf-T-Climb designs including curves and platforms, requires more detail. For more information on custom systems, please contact the Miller Engineered Solutions team for assistance with engined systems [MESservices@PIPGlobal.com](mailto:MESservices@PIPGlobal.com)



DISMOUNT EXTENSION OPTIONS:



Removable Ascending Hatch Dismount and Holder

This dismount is removable to allow a hatch door to close. The dismount is stored in a holder at the top of the ladder. A worker climbs from the bottom and installs the dismount when he reaches the top. The dismount holder eliminates the need to carry the dismount while climbing.

Removable Descending Hatch Dismount

This dismount is removable and installed when a worker needs to climb down. The dismount is removable to allow the hatch door to close.

Saf-T-Pivot Permanent Dismount

This dismount is affixed to the ladder and allows the worker to safely dismount at the top of the ladder. Rung clamps required for installation sold separately.

ANCHORAGE CONNECTORS AND SYSTEM KITS

ROOFING

TEMPORARY ROOF ANCHORS

Maximum working load 310 lb, RA251/max. working load is 420 lb

SKU	Description
RA15-1/	10 reusable anchors w/D-rings and screws
RA20-1/	2 reusable anchors w/screws
RA25-1/	Temporary foldable roof anchor designed for roof pitches from 0 - 12/12
RA35-1/	Reusable anchor for flat surfaces, with swivel D-ring



RA25-1/



RA35-1/

PERMANENT ROOF ANCHORAGES

Designed for residential and commercial construction on new or existing roofs to provide a quick, safe anchorage point.

MILLER SINGLE D

- The Single D Permanent Roof Anchor is designed to provide one (1) D-ring anchorage point when securely installed on a wood roof sub-surface or vertical wall
- Accommodates single user for fall protection
- Maximum working load 310 lb

SKU	Description
RA41/	Stainless steel permanent single D-ring complete with eight (8) 16d nails

MILLER DOUBLE D

- The Double D Permanent Roof Anchor is designed to provide two (2) D-ring anchorage points when securely installed on a wood roof sub-surface
- Accommodates single user for fall protection
- Maximum working load 310 lb

SKU	Description
RA40/	Stainless steel permanent double D-ring complete with eight (8) 16d nails
RA40/50BULK	Bulk pack of 50

MILLER CLAW

- The Claw Permanent Roof Anchor is designed to provide a single anchorage point when securely installed on a wood rafter or truss member. The Claw anchor fits wood sizes: 2-in x 4-in, 2-in x 6-in, 2-in x 8-in, 2-in x 10-in or 2-in x 12-in
- Accommodates single user for fall protection
- Maximum working load 310 lb

SKU	Description
RA45/	Stainless steel permanent roof anchor, complete with UV-resistant Santoprene® flashing, protective cap, and twelve (12) 1-1/2 in nails



RA15-1/



RA20-1/



RA41/



RA40/



RA45/





BODY WEAR

GENERAL APPLICATION HARNESS

H700 SERIES HARNESSES

FEATURES AND BENEFITS

**1. One-pull trauma relief step** provides a state-of-the-art solution for suspension trauma relief.

We've radically simplified what is usually a complicated four-step process. By integrating a patented release mechanism for quick deployment of our two high-performance One-Pull Trauma Relief Steps (one for each foot), the suspended person conveniently stands up in the H700 harness. The pressure being applied to the arteries and veins around the top of the legs is quickly relieved, avoiding the risk of serious injury or death. See user instructions.

**2. Configurable leg strap design** for customizable comfort.

Our new Pivot Strap Adjuster offers worker mobility and comfort, allowing workers to adjust the shape of their leg straps, depending on the action that needs to be performed (crouching, bending, crawling, etc.)

**3. Modular lightweight accessory straps** for adjustability and convenience.

Low-profile, configurable accessory organizer. These straps allow workers to conveniently attach and move pouches around the MOLLE strap. They accommodate a large number of accessories. Reinforced stitching also provides safety and security for heavyweight accessories. When not in use, the webbing straps don't get tangled.

Available on Construction Comfort models.

**4. Practical integrated SRL connector**  
The convenient Self-Retracting Lifeline (SRL) integrated connector allows for easy attachment of personal single/twin SRLs and carabiners.

**5. User-friendly lanyard keepers & tool tether anchors**  
Tool tether anchors and lanyard keepers are also positioned in several convenient locations, including front and waist.

**6. Optimized label protection and identifiable harness size**  
New protected name plate identification and QR code.

**7. Lighter-than-ever**  
This lightweight full body harness offers workers at height less heft, more comfort, and easier movability. It reduces muscular fatigue, motion constraints and sweat, all common hazards when using a poorly designed harness.

**8. High tech 3D padding**  
Innovative, multi-layered padding has been designed for enhanced breathability and venting, keeping workers drier and cooler by combining airflow channel breathability, moisture dispersion technology, and 3D knitted fabric.

Our shoulder back padding has also been designed to protect workers from the robust twin personal SRLs. Workers can also remove the shoulder back padding if needed for cleaning purposes.

**9. Rated to 420 lb (max. weight capacity)**



BODY WEAR

GENERAL APPLICATION HARNESS

H700 SERIES HARNESS WITH ALUMINUM HARDWARE

SKU	Size	Back D-ring	Side D-rings	Front D-ring	Shoulder D-rings	Chest Buckle	Leg Buckles	Belt
H7CC1A0	XS	✔	✔	✔		Quick-connect	Tongue	✔
H7CC1A1	S/M							
H7CC1A2	Universal							
H7CC1A3	XXL							
H7CC1A4	3/4XL							
H7CC2A0	XS	✔				Quick-connect	Tongue	✔
H7CC2A1	S/M							
H7CC2A2	Universal							
H7CC2A3	XXL							
H7CC2A4	3/4XL							
H7CC3A0	XS	✔	✔	✔		Quick-connect	Quick-connect	✔
H7CC3A1	S/M							
H7CC3A2	Universal							
H7CC3A3	XXL							
H7CC3A4	3/4XL							
H7CC3AS0	XS	✔	✔	✔	✔	Quick-connect	Quick-connect	✔
H7CC3AS1	S/M							
H7CC3AS2	Universal							
H7CC3AS3	XXL							
H7CC3AS4	3/4XL							
H7IC1A0	XS	✔				Quick-connect	Quick-connect	
H7IC1A1	S/M							
H7IC1A2	Universal							
H7IC1A3	XXL							
H7IC1A4	3/4XL							
H7IC2A0	XS	✔		✔		Quick-connect	Quick-connect	
H7IC2A1	S/M							
H7IC2A2	Universal							
H7IC2A3	XXL							
H7IC2A4	3/4XL							
H7IC3A0	XS	✔	✔	✔		Quick-connect	Quick-connect	
H7IC3A1	S/M							
H7IC3A2	Universal							
H7IC3A3	XXL							
H7IC3A4	3/4XL							
H7IC2AS0	XS	✔		✔	✔	Quick-connect	Quick-connect	
H7IC2AS1	S/M							
H7IC2AS2	Universal							
H7IC2AS3	XXL							
H7IC2AS4	3/4XL							

The new Miller H700 Series meets OSHA 1926.502, ANSI Z359.11, and CSA Z259.10 standards. Rated up to 420 lb (max. weight capacity).

BODY WEAR

GENERAL APPLICATION HARNESS

REVOLUTION SERIES 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 seven 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



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



**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 Finials**  
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



BODY WEAR

GENERAL APPLICATION HARNESS



REVOLUTION HARNESS WITH STEEL HARDWARE

SKU	Size	Back D-ring	Side D-rings	Front D-ring	Shoulder	Chest Strap Buckle	Leg Strap Buckles	Removable Belt
RDT-QC/XSBK	XS	✓				Quick-connect	Quick-connect	
RDT-QC/S/MBK	S/M							
RDT-QC/UBK	Universal							
RDT-QC/XXL/XXXLBK	2XL/3XL							
RDT-TB/S/MBK	S/M	✓				Quick-connect	Tongue	
RDT-TB/UBK	Universal							
RDT-TB/XXL/XXXLBK	2XL/3XL							
RDT-QC-B /S/MBK	S/M	✓				Quick-connect	Quick-connect	✓
RDT-QC-B/UBK	Universal							
RDT-QC-B/3XLBK	2XL/3XL							
RDT-TB-DP/UBK	Universal	✓	✓			Quick-connect	Tongue	
RDT-TB-DP/3XLBK	2XL/3XL							
RDT-QC-BDP/S/MBK	S/M	✓	✓			Quick-connect	Quick-connect	✓
RDT-QC-BDP/UBK	Universal							
RDT-QC-BDP/3XLBK	2XL/3XL							
RDT-TB-BDP/S/MBK	S/M	✓	✓			Quick-connect	Tongue	✓
RDT-TB-BDP/UBK	Universal							
RDT-TB-BDP/3XLBK	2XL/3XL							
RDTSD-QC/S/MBK	S/M	✓						
RDTSD-QC/UBK	Universal							
RDTFD-QC/S/MBK	S/M	✓		✓		Quick-connect	Quick-connect	
RDTFD-QC/UBK	Universal							
RDTFD-QC/3XLBK	2XL/3XL							
RDTFD-TB/UBK	Universal	✓		✓	D-rings	Quick-connect	Quick-connect	
RDTFD-QC-BDP/S/MBK	S/M	✓	✓	✓				
RDTFD-QC-BDP/UBK	Universal							
RDTFD-TB-BDP/UBK	Universal	✓	✓	✓		Quick-connect	Tongue	✓
RDTFD-TB-BDP/3XLBK	2XL/3XL							

These harnesses meet OSHA and certified ANSI Z359.11, and CSA Z259.10 standards. Rated up to 420 lb (max. weight capacity).



BODY WEAR

GENERAL APPLICATION HARNESS

AIRCORE HARNESSES

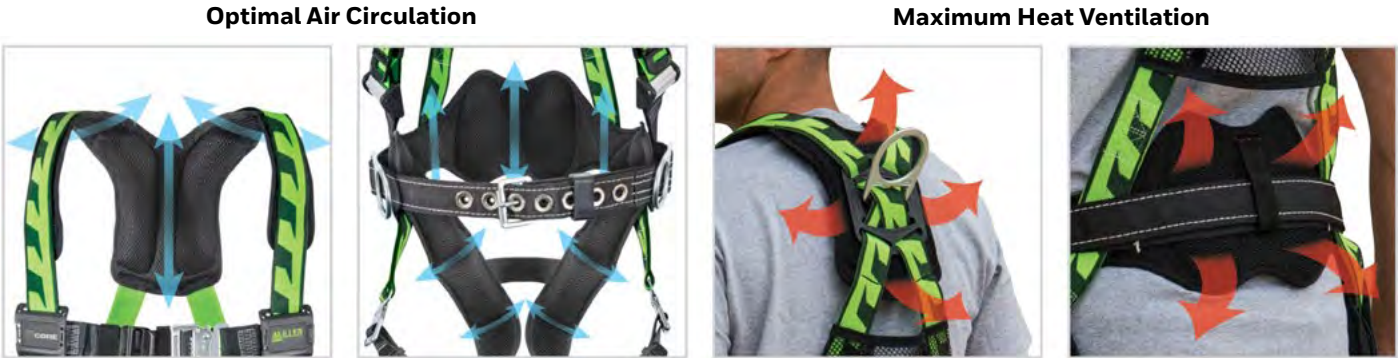
FEATURES AND BENEFITS

1. **Breathable, Open-Core Padding Technology**
2. **Custom designed for the Shoulders /Lumbar/Legs (patent pending)**  
**Optimal airflow / circulation**
  - Engineered to increase airflow through and around padding  
**Strategically placed padding**
  - Reduces heat and moisture entrapment, keeping a worker drier and cooler
  - Contoured design minimizes contact around the neck, lower back and inner thighs, reducing chafing and irritation
3. **Lightweight**
  - Materials and components selected to reduce fatigue for all-day endurance and increased productivity (available in steel or aluminum hardware)
4. **Stand-Up Back D-Ring**
  - Easily adjusts; simplifies attachment; back pad with built-in fall indicator
5. **Patented DuraFlex Stretchable Webbing**
  - Stretches with every movement; greater mobility and increased comfort

6. **Integral Label Pack**
  - Miller RFID-enabled technology for inventory management; easy tracking, inspection, and monitoring
7. **Front D-Ring**
  - Designed for use in climbing, confined space and rescue applications; available on select models
8. **Cam Buckle**
  - Easy, one-hand adjustment/ release allows simultaneous adjustment of shoulder straps
9. **Mesh Back Shield**
  - Durable, knitted mesh membrane minimizes moisture absorption and maintains optimal air circulation
10. **Quick-Connect Chest Buckle**
  - Easy donning; dual tab release mechanism
11. **Removable Belt**
  - Uniquely designed to stay in position when disconnected, even when tools are attached; available on select models
12. **Web Finial**
  - Clip-on design safely organizes webbing after proper adjustment



AC-QC-BDP/UGN



BODY WEAR

GENERAL APPLICATION HARNESS

AIRCORE HARNESS WITH STEEL HARDWARE AND GREEN WEBBING

SKU	Size	Back D-ring	Side D-rings	Front D-ring	Shoulder D-ring	Chest Strap Buckle	Leg Strap Buckles	Lumbar Pad/ Removable Belt
AC-QC/XSGN	Xsmall	✓				Quick-connect	Quick-connect	
AC-QC/S/MGN	S/M							
AC-QC/UGN	Universal							
AC-QC2/3XLGN	2XL/3XL							
AC-QC/4XLGN	4XL	✓	✓			Quick-connect	Quick-connect	
AC-QC-D/S/MGN	S/M							
AC-QC-D/UGN	Universal							
AC-QC-D2/3XLGN	2XL/3XL							
AC-QC-BDP/S/MGN	S/M	✓	✓			Quick-connect	Quick-connect	✓
AC-QC-BDP/UGN	Universal							
AC-QC-BDP2/3XLGN	2XL/3XL							
AC-QC-BDP/4XLGN	4XL							
AC-TB/XSGN	Xsmall	✓				Quick-connect	Tongue	
AC-TB/S/MGN	S/M							
AC-TB/UGN	Universal							
AC-TB2/3XLGN	2XL/3XL							
AC-TB/4XLGN	4XL	✓	✓			Quick-connect	Tongue	
AC-TB-D/S/MGN	S/M							
AC-TB-D/UGN	Universal							
AC-TB-D2/3XLGN	2XL/3XL							
AC-TB-BDP/S/MGN	S/M	✓	✓			Quick-connect	Tongue	✓
AC-TB-BDP/UGN	Universal							
AC-TB-BDP2/3XLGN	2XL/3XL							
AC-TB-BDP/4XLGN	4XL							

These harnesses meet OSHA and certified ANSI Z359.11 and CSA Z259.10 standards. Rated up to 420 lb (max. weight capacity).



AC-TB/UGN

AC-QC/UGN

AC-QC-BDPUGN

BODY WEAR

GENERAL APPLICATION HARNESS

AIRCORE HARNESS WITH STEEL HARDWARE AND GREEN WEBBING (Continued)

SKU	Size	Back D-ring	Side D-rings	Front D-ring	Shoulder D-ring	Chest Strap Buckle	Leg Strap Buckles	Lumbar Pad/ Removable Belt
ACSD-QCSMG	S/M	✓			✓	Quick-connect	Quick-connect	
ACSD-QCUG	Universal							
ACSD-QC23XG	2XL/3XL							
ACF-QCSMG	S/M	✓				Quick-connect	Quick-connect	
ACF-QCUG	Universal			✓				
ACF-QC23XG	2XL/3XL			✓				
ACF-QCDSMG	S/M	✓				Quick-connect	Quick-connect	
ACF-QCDUG	Universal		✓	✓				
ACF-QCD23XG	2XL/3XL		✓	✓				
ACF-QCBDPSMG	S/M	✓				Quick-connect	Quick-connect	
ACF-QCBDPUG	Universal		✓	✓				
ACF-QCBDP23XG	2XL/3XL		✓	✓				
ACFSD-QCUG	Universal	✓		✓	✓	Quick-connect	Quick-connect	
ACF-TBSMG	S/M	✓				Quick-connect	Tongue	
ACF-TBUG	Universal			✓				
ACF-TB23XG	2XL/3XL			✓				
ACF-TBDXSG	Xsmall	✓				Quick-connect	Tongue	
ACF-TBDSMG	S/M		✓	✓				
ACF-TBDUG	Universal		✓	✓				
ACF-TBD23XG	2XL/3XL	✓				Quick-connect	Tongue	
ACF-TBBDPSMG	S/M							
ACF-TBBDPUG	Universal		✓	✓				
ACF-TBBDP23XG	2XL/3XL		✓	✓		Quick-connect	Tongue	✓

These harnesses Meet OSHA and Certified ANSI Z359.11 and CSA Zm59.10 standards.  
Rated up to 420 lb (max. weight capacity).



ACF-TBDUG



ACF-QCUG

BODY WEAR

GENERAL APPLICATION HARNESS

AIRCORE HARNESS WITH STEEL HARDWARE AND BLUE WEBBING

SKU	Size	Back D-ring	Side D-rings	Front D-ring	Shoulder D-ring	Chest Strap Buckle	Leg Strap Buckles	Lumbar Pad/ Removable Belt	
AC-QC/S/MBL	S/M	✔							
AC-QC/UBL	Universal					Quick-connect	Quick-connect		
AC-QC2/3XLBL	2XL/3XL								
AC-QC-D/S/MBL	S/M	✔	✔			Quick-connect	Quick-connect		
AC-QC-D/UBL	Universal								
AC-QC-BDP/S/MBL	S/M	✔	✔						
AC-QC-BDP/UBL	Universal					Quick-connect	Quick-connect	✔	
AC-QC-BDP2/3XLBL	2XL/3XL								
AC-TB/S/MBL	S/M	✔							
AC-TB/UBL	Universal					Quick-connect	Tongue		
AC-TB2/3XLBL	2XL/3XL								
AC-TB-D/S/MBL	S/M	✔	✔			Quick-connect	Tongue		
AC-TB-D/UBL	Universal								
AC-TB-BDP/S/MBL	S/M	✔	✔			Quick-connect	Tongue	✔	
AC-TB-BDP/UBL	Universal								
ACF-QCUB	Universal	✔		✔		Quick-connect	Quick-connect		
ACF-QC23XB	2XL/3XL								
ACF-QCDXSB	Xsmall	✔							
ACF-QCDSMB	S/M			✔	✔		Quick-connect	Quick-connect	
ACF-QCDUB	Universal								
ACF-QCD23XB	2XL/3XL								
ACF-QCBDPXSMB	Xsmall	✔	✔	✔		Quick-connect	Quick-connect	✔	
ACF-QCBDPSMB	S/M								
ACF-QCBDPUB	Universal								
ACF-QCBDP23XB	2XL/3XL								
ACF-QCBDP4XB	4XL								
ACF-TBDUB	Universal	✔	✔	✔		Quick-connect	Tongue		
ACF-TBD23XB	2XL/3XL								
ACF-TBBDPUB	Universal	✔	✔	✔		Quick-connect	Tongue	✔	
ACF-TBBDP23XB	2XL/3XL								

These harnesses meet OSHA and certified ANSI Z359.11 and CSA Z259.10 standards.  
Rated up to 420 lb (max. weight capacity).



AC-QC-BDP-UB



AC-QC2\_3XLB



BODY WEAR

GENERAL APPLICATION HARNESS

AIRCORE HARNESS WITH ALUMINUM HARDWARE AND **GREEN** WEBBING

SKU	Size	Back D-ring	Side D-rings	Front D-ring	Shoulder D-ring	Chest Strap Buckle	Leg Strap Buckles	Lumbar Pad/ Removable Belt
ACA-QC/XSGN	Xsmall	✓				Quick-connect	Quick-connect	
ACA-QC/S/MGN	S/M							
ACA-QC/UGN	Universal							
ACA-QC2/3XLGN	2XL/3XL							
ACA-QC-D/UGN	Universal	✓	✓			Quick-connect	Quick-connect	
ACA-QC-D2/3XLGN	2XL/3XL							
ACA-QC-BDP/S/MGN	S/M	✓	✓			Quick-connect	Quick-connect	✓
ACA-QC-BDP/UGN	Universal							
ACA-QC-BDP2/3XLGN	2XL/3XL							
ACA-TB/S/MGN	S/M	✓				Quick-connect	Tongue	
ACA-TB/UGN	Universal							
ACA-TB2/3XLGN	2XL/3XL							
ACA-TB-D/UGN	Universal	✓	✓			Quick-connect	Tongue	
ACA-TB-D2/3XLGN	2XL/3XL							
ACA-TB-BDP/S/MGN	S/M	✓	✓			Quick-connect	Tongue	✓
ACA-TB-BDP/UGN	Universal							
ACA-TB-BDP2/3XLGN	2XL/3XL							
AAF-QCXSG	Xsmall	✓		✓		Quick-connect	Quick-connect	
AAF-QCSMG	S/M							
AAF-QCUG	Universal							
AAF-QC23XG	2XL/3XL							
AAF-QCDSMG	S/M	✓	✓	✓		Quick-connect	Quick-connect	
AAF-QCDUG	Universal							
AAF-QCD23XG	2XL/3XL							
AAF-QCBDPSMG	S/M	✓	✓	✓		Quick-connect	Quick-connect	✓
AAF-QCBDPUG	Universal							
AAF-QCBDP23XG	2XL/3XL							
AAF-TBSMG	S/M	✓		✓		Quick-connect	Tongue	
AAF-TBUG	Universal							
AAF-TB23XG	2XL/3XL							
AAF-TBDUG	Universal	✓	✓	✓		Quick-connect	Tongue	
AAF-TBD23XG	2XL/3XL							
AAF-TBBDPSMG	S/M	✓	✓	✓		Quick-connect	Tongue	✓
AAF-TBBDPUG	Universal							
AAF-TBBDP23XG	2XL/3XL							

These harnesses meet OSHA and certified ANSI Z359.11 and CSA Z259.10 standards.  
Rated up to 420 lb (max. weight capacity).

BODY WEAR

GENERAL APPLICATION HARNESS

AIRCORE HARNESS WITH ALUMINUM HARDWARE AND **BLUE** WEBBING

SKU	Size	Back D-ring	Side D-rings	Front D-ring	Shoulder D-ring	Chest Strap Buckle	Leg Strap Buckles	Lumbar Pad/ Removable Belt
ACA-QC/XSBL	Xsmall	✔				Quick-connect	Quick-connect	
ACA-QC/S/MBL	S/M							
ACA-QC/UBL	Universal							
ACA-QC2/3XLBL	2XL/3XL							
ACA-QC-D/S/MBL	S/M	✔	✔			Quick-connect	Quick-connect	
ACA-QC-D/UBL	Universal							
ACA-QC-D2/3XLBL	2XL/3XL							
ACA-QC-BDP/S/MBL	S/M	✔	✔			Quick-connect	Quick-connect	✔
ACA-QC-BDP/UBL	Universal							
ACA-QC-BDP2/3XLBL	2XL/3XL							
ACA-TB/S/MBL	S/M	✔				Quick-connect	Tongue	
ACA-TB/UBL	Universal							
ACA-TB2/3XLBL	2XL/3XL							
ACA-TB-BDP/S/MBL	S/M	✔	✔			Quick-connect	Tongue	✔
ACA-TB-BDP/UBL	Universal							
ACA-TB-BDP2/3XLBL	2XL/3XL							
ACA-TB-D/UBL	Universal	✔	✔			Quick-connect	Tongue	
AAF-QCUB	Universal	✔	✔	✔		Quick-connect	Quick-connect	
AAF-QCDSMB	S/M	✔	✔	✔		Quick-connect	Quick-connect	
AAF-QCDUB	Universal							
AAF-QCD23XB	2XL/3XL							
AAF-QCBDPSMB	S/M	✔	✔	✔		Quick-connect	Quick-connect	✔
AAF-QCBDPUB	Universal							
AAF-QCBDP23XB	2XL/3XL							
AAF-TBSMB	S/M	✔		✔		Quick-connect	Tongue	
AAF-TBUB	Universal							
AAF-TB23XB	2XL/3XL							
AAF-TBDUB	Universal	✔	✔	✔		Quick-connect	Tongue	
AAF-TBBDPSMB	S/M	✔	✔	✔		Quick-connect	Tongue	✔
AAF-TBBDPUB	Universal							
AAF-TBD23XB	2XL/3XL							

These harnesses meet OSHA and certified ANSI Z359.11 and CSA Z259.10 standards.  
Rated up to 420 lb (max. weight capacity).



AAF-QCUB



ACA-QC-BDP/UBL

BODY WEAR

## GENERAL APPLICATION HARNESS

AIRCORE HARNESSES FOR OIL AND GAS

- **Multiple Back D-ring connections** – 18-in 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	Size	Webbing Color	Back D-ring	Side D-rings	Front D-ring	Chest Strap Buckle	Leg Strap Buckles	Lumbar Pad/ Removable Belt	Options
WITH STEEL HARDWARE									
ACOG-TBSMG	S/M	Green	✔		✔	Mating	Tongue	✔	
ACOG-TBUG	Universal								
ACOG-TB23XG	2XL/3XL								
ACOG-TBBCSMB	S/M	Blue	✔		✔	Mating	Tongue	✔	Removable Bos'n Chair with Side D-rings
ACOG-TBBCUB	Universal								
ACOG-TBSSSMB	S/M	Blue	✔		✔	Mating	Tongue	✔	Removable Seat Sling with Side D-rings
ACOG-TBSSUB	Universal								
ACOG-TBSS23XB	2XL/3XL								
ACOG-TBSSSMG	S/M	Green	✔		✔	Mating	Tongue	✔	Removable Seat Sling with Side D-rings
ACOG-TBSSUG	Universal								
ACOG-TBSS23XG	2XL/3XL								
ACCESSORIES									
ACOG-SS	Seat Sling with Side D-rings								
ACOG-BC	Bos'n Chair with Side D-rings								

These harnesses meet OSHA and certified ANSI Z359.11 and CSA Z259.10 standards. Rated up to 420 lb (max. weight capacity).



ACOG-SS



ACOG-BC

BODY WEAR

## GENERAL APPLICATION HARNESS

AIRCORE HARNESSES 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



ACFW-QCBDPUG-back

SKU	Size	Webbing Color	Back D-ring	Side D-rings	Front D-ring	Chest Strap Buckle	Leg Strap Buckles	Lumbar Pad/ Removable Belt	Extended Back D-ring
WITH STEEL HARDWARE									
ACFW-QCBDPSMG	S/M	Green	✔	✔	✔	Quick-connect	Quick-connect	✔	
ACFW-QCBDPUG	Universal								
ACFW-QCBDP23XG	2XL/3XL								
ACFW-QCBDPSMB	S/M	Blue	✔	✔	✔	Quick-connect	Quick-connect	✔	
ACFW-QCBDPUB	Universal								
ACFW-QCBDP23XB	2XL/3XL								
WITH ALUMINUM HARDWARE									
AAFW-QCBDPSMG	S/M	Green	✔	✔	✔	Quick-connect	Quick-connect	✔	
AAFW-QCBDPUG	Universal								

These harnesses meet OSHA and certified ANSI Z359.11 and CSA Z259.10 standards. Rated up to 420 lb (max. weight capacity).



BODY WEAR

GENERAL APPLICATION HARNESS

AIRCORE TOWER CLIMBING HARNESS

- 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	Size	Webbing Color	Back D-ring	Side D-rings	Front D-ring	Chest Strap Buckle	Leg Strap Buckles	Lumbar Pad/ Removable Belt	Options
WITH STEEL HARDWARE									
ACT-QCSMG	S/M	Green	✓	✓	✓	Quick-connect	Quick-connect	✓	
ACT-QCUG	Universal								
ACT-QCSMB	S/M	Blue							
ACT-QCUB	Universal		✓	✓	✓	Quick-connect	Quick-connect	✓	
ACT-QC23XB	2XL/3XL								
ACT-QCBCSMG	S/M	Green	✓	✓	✓	Quick-connect	Quick-connect	✓	Removable Bos'n Chair with Side D-rings
ACT-QCBCUG	Universal								
WITH ALUMINUM HARDWARE									
AAT-QCSMG	S/M	Green							
AAT-QCUG	Universal		✓	✓	✓	Quick-connect	Quick-connect	✓	
AAT-QC23XG	2XL/3XL								
AAT-QCUB	Universal	Blue							
AAT-QC23XB	2XL/3XL		✓	✓	✓	Quick-connect	Quick-connect	✓	
AAT-QCBCSMG	S/M	Green							
AAT-QCBCUG	Universal		✓	✓	✓	Quick-connect	Quick-connect	✓	Removable Bos'n Chair with Side D-rings
AAT-QCBC23XG	2XL/3XL								
AAT-QCBCSMB	S/M	Blue							
AAT-QCBCUB	Universal		✓	✓	✓	Quick-connect	Quick-connect	✓	Removable Bos'n Chair with Side D-rings
ACCESSORIES									
AAT-BC	Bos'n Chair with Steel Side D-rings								

These harnesses meet OSHA and certified ANSI Z359.11 and CSA Z259.10 standards. Rated up to 420 lb (max. weight capacity).





BODY WEAR

GENERAL APPLICATION HARNESS

H500 SERIES HARNESSES

Miller recognized the need for change and revolutionized a new generation of safety harnesses, the Miller H500 series, around four key worker-centric value drivers: ergonomic safety, usability, style and performance.

The new Miller H500 integrates evidence-based “best-in-class” anatomically and ergonomically designed pressure-relief breathable paddings for more comfort and freedom of movement, and introduces a variety of other new smart and intuitive safety features.

The Miller H500 aims beyond compliance to keep workers safe and supported – making their jobs easier and keeping them more safe.

FEATURES AND BENEFITS

1. Greater freedom of movement

  - **New** specially formulated webbing flexes to accommodate movement and body contours for optimum comfort around legs/shoulders
  - **New** patented shoulder/back padding design minimizes overhead muscular fatigue (overexertion)
  - Waist pad with adequate foam density for optimum lumbar support
  - Lighter-than-ever harnesses
2. More breathability

  - **New** “best-in-class” anatomically and ergonomically designed pressure-relief breathable shoulder/back padding keeps workers drier and cooler
  - **Three times more breathable** compared to the next best alternative (less water vapour resistance – RET)\*
3. Smart anti-tangle for a hassle-free donning experience
4. Dedicated SRL web link for easy attachment of personal SRLs
5. User-friendly resettable lanyard keepers
  - Allows users to attach lanyard when not in use
6. Clearly identifiable smart impact indicators for hassle-free inspection
7. Optimized label protection with self-contained and practical Velcro®-label pouch
8. Improved visible stitch pattern for easy inspection
9. Rated to 420 lb (max. weight capacity)



BODY WEAR

GENERAL APPLICATION HARNESS

SKU	Size	Back D-ring	Side D-rings	Front D-ring	Shoulder D-rings	Chest Buckles	Leg Buckles	Comfort Padding	Belt
H500 SERIES HARNESS WITH STEEL D-RINGS									
H5CC311021	S/M					Mating	Tongue	✓	✓
H5CC311022	Universal	✓	✓						
H5CC311023	XXL								
H5CC311121	S/M					Mating	Tongue	✓	✓
H5CC311122	Universal	✓	✓	✓					
H5CC311123	XXL								
H5CC221121	S/M					Quick-connect	Quick-connect	✓	✓
H5CC221122	Universal	✓		✓					
H5CC221123	XXL								
H5CC311001	S/M					Mating	Tongue	✓	✓
H5CC311002	Universal	✓							
H5CC311003	XXL								
H5CS311021	S/M					Mating	Tongue		✓
H5CS311022	Universal	✓	✓						
H5CS311023	XXL								
H5CS31102S1	S/M					Mating	Tongue		✓
H5CS31102S2	Universal	✓	✓		✓				
H5CS31102S3	XXL								
H5CS221021	S/M					Mating	Tongue		✓
H5CS221022	Universal	✓	✓	✓					
H5CS221023	XXL								
H5CS311121	S/M					Quick-connect	Quick-connect		✓
H5CS311122	Universal	✓	✓						
H5CS311123	XXL								
H5IC311001	S/M					Mating	Tongue	✓	
H5IC311002	Universal	✓							
H5IC311003	XXL								
H5IC221001	S/M					Quick-connect	Quick-connect	✓	
H5IC221002	Universal	✓							
H5IC221003	XXL								
H5IC221021	S/M					Quick-connect	Quick-connect	✓	
H5IC221022	Universal	✓	✓						
H5IC221023	XXL								
H5IC311121	S/M					Mating	Tongue	✓	
H5IC311122	Universal	✓	✓	✓					
H5IC311123	XXL								
H5IC221101	S/M					Quick-connect	Quick-connect	✓	
H5IC221102	Universal	✓		✓					
H5IC221103	XXL								
H5ISP311001	S/M					Mating	Tongue		
H5ISP311002	Universal	✓							
H5ISP311003	XXL								
H5ISP311021	S/M					Mating	Tongue		
H5ISP311022	Universal	✓	✓						
H5ISP311023	XXL								

The H500 Series meets OSHA and certified ANSI Z359.11 and CSA Z259.10 standards. Rated up to 420 lb (max. weight capacity).



BODY WEAR

GENERAL APPLICATION HARNESS

SKU	Size	Back D-ring	Side D-rings	Front D-ring	Shoulder D-rings	Chest Buckles	Leg Buckles	Comfort Padding	Belt
H500 SERIES HARNESS WITH STEEL D-RINGS									
H5IS311101	S/M	✓		✓		Mating	Tongue		
H5IS311102	Universal								
H5IS311103	XXL								
H5IS31110S1	S/M	✓		✓	✓	Mating	Tongue		
H5IS31110S2	Universal								
H5IS31110S3	XXL								
H5IS311121	S/M	✓	✓	✓		Mating	Tongue		
H5IS311122	Universal								
H5IS311123	XXL								
H5ISP221001	S/M	✓				Quick-connect	Quick-connect		
H5ISP221002	Universal								
H5ISP221003	XXL								
H5ISP111001	S/M	✓				Mating	Mating		
H5ISP111002	Universal								
H5ISP111003	XXL								
H5ISP111021	S/M	✓	✓			Mating	Mating		
H5ISP111022	Universal								
H5ISP111023	XXL								
H5ISP321001	S/M	✓				Quick-connect	Tongue		
H5ISP321002	Universal								
H5ISP321003	XXL								
H5ISP221021	S/M	✓	✓			Quick-connect	Quick-connect		
H5ISP221022	Universal								
H5ISP221023	XXL								
H5IS321101	S/M	✓		✓		Quick-connect	Tongue		
H5IS321102	Universal								
H5IS321103	XXL								
H5IS321111	S/M	✓	✓	✓		Quick-connect	Tongue		
H5IS321112	Universal								
H5IS321113	XXL								
H500 SERIES HARNESS WITH ALUMINUM D-RINGS									
H5CC312221	S/M	✓	✓	✓		Mating	Tongue	✓	✓
H5CC312222	Universal								
H5CC312223	XXL								
H5CC222221	S/M	✓	✓	✓		Quick-connect	Quick-connect	✓	✓
H5CC222222	Universal								
H5CC222223	XXL								
H5CC222021	S/M	✓	✓			Quick-connect	Quick-connect	✓	✓
H5CC222022	Universal								
H5CC222023	XXL								
H5IC222021	S/M	✓	✓			Quick-connect	Quick-connect	✓	
H5IC222022	Universal								
H5IC222023	XXL								

The H500 Series meets OSHA and certified ANSI Z359.11 and CSA Z259.10 standards  
Rated up to 420 lb (max. weight capacity).

BODY WEAR

GENERAL APPLICATION HARNESS

DURAFLEX PYTHON HARNESS

DuraFlex Python Harnesses feature cushioned tubular webbing in the shoulder straps to minimize possible discomfort around the neck and shoulders when required to wear a tool belt. DuraFlex stretchable webbing in the lower torso for greater flexibility, mobility and less fatigue.

- Tubular webbing designed with contoured edge improves comfort, durable, high-density, water-repellent foam
- Fully-adjustable harness design, along with the stretchable webbing, ensures proper fit without sacrificing comfort
- Self-contained label pack encapsulates labels minimizing damage and loss. Integrated and oversized pull-free lanyard rings
- Soft and flexible D-ring back pad further enhances comfort



SKU	Size	Webbing Color	Back D-ring	Side D-rings	Front D-ring	Chest Strap Buckle	Leg Strap Buckles
WITH STEEL HARDWARE							
P950/S/MGN	M	Green	✓			Mating	Mating
P950/UGN	Universal						
P950/XXLGN	XXL						
P950/XXXLGN	XXXL	Green	✓			Mating	Tongue
P950-4/S/MGN	M						
P950-4/UGN	Universal						
P950-4/XXLGN	XXL	Green	✓	✓		Mating	Tongue
P950-58/S/MGN	M						
P950-58/UGN	Universal						
P950-58/XXLGN	XXL	Green	✓			Quick-connect	Quick-connect
P950QC/S/MGN	S/M						
P950QC/UGN	Universal						
P950QC/XXLGN	XXL	Blue	✓			Quick-connect	Quick-connect
P950QC/XXXLGN	XXXL						
P950DQC/S/MBL	S/M						
P950DQC/UBL	Universal	Green	✓	✓		Quick-connect	Quick-connect
P950DQC/XXLBL	XXL						
P950QC-7/S/MGN	S/M						
P950QC-7/UGN	Universal	Green	✓	✓		Quick-connect	Quick-connect
P950QC-7/XXLGN	XXL						
P950QC-7/XXXLGN	XXXL						

The H500 Series meets OSHA and certified ANSI Z359.11 and CSA Z259.10 standards.  
Rated up to 420 lb (max. weight capacity).

BODY WEAR

GENERAL APPLICATION HARNESS

TITAN II NON-STRETCH HARNESSES

- Increased worksite safety with hi-viz color webbing
- Easier vertical adjustability that stays in place
- Slip resistant back D-ring pad and forward positioned side D-rings, keeping your tool bags in the right place
- Oversized ID tags provide quick and easy harness size identification
- Back strap increases safety by preventing roll out in the event of a fall
- Contractor harness has more comfort and better fit with lighter, strategically-placed padding that provides optimal airflow
- Rated for a 420 lb worker



SKU	Size	Back D-ring	Side D-rings	Front D-ring	Chest Strap Buckle	Leg Strap Buckles	Belt	
T4500/XSAK	XS	Steel			Mating	Tongue		
T4500/S/MAK	S/M							
T4500/UAK	Universal							
T4500/XXLAK	XXL							
T4500/XXXLAK	XXXL							
T4500FD/UAK	Universal	Steel		✓	Mating	Tongue		
T4507/S/MAK	S/M	Steel	✓		Mating	Tongue		
T4507/UAK	Universal							
T4507/XXLAK	XXL							
T4507/XXXLAK	XXXL							
T4507FD/UAK	Universal	Steel	✓	✓	Mating	Tongue		
Contractor Harness – Includes integrated back/shoulder pads								
T4577/S/MAK	S/M	Steel	✓	✓	Mating	Tongue	✓	
T4577/UAK	Universal							
T4577/XXLAK	XXL							
T4577/XXXLAK	XXXL							

The Titan Series meets OSHA and certified ANSI Z359.11 and CSA Z259.10 standards. Rated up to 420 lb.(max. weight capacity).



T4577



T4507FD

BODY WEAR

GENERAL APPLICATION HARNESS

H100 SERIES HARNESSES

The Miller H100 series has been designed around a simple concept: provide a fundamental fall protection line with exceptional value. The new H100 series was assembled to meet the most common fall protection needs while maintaining a focus on value and safety.

The H100 series is Miller’s cost-effective, quality, construction, and general industry compliant harness designed to meet the most common fall protection needs.

FEATURES AND BENEFITS

- Reliable quality:** Built with our legendary quality and reliability
- Lightweight:** More comfortable
- Five points of adjustment** for a custom fit
- Covered identification labels:** Protects labels during the life of the harness
- New distinctive vibrant color webbing**
- Cost-effective**

SKU	Size	Back D-ring	Chest StrapBuckles	Leg Buckles
H11110021	S/M	✓	Mating	Mating
H11110022	Universal			
H11110023	XXL/XXXL			
H13110021	S/M	✓	Mating	Tongue
H13110022	Universal			
H13110023	XXL/XXXL			

The H100 Series meets OSHA and certified ANSI Z359.11 and CSA Z259.10 standards. Rated up to 420 lb (max. weight capacity).



H13



BODY WEAR

WELDING AND ARC FLASH HARNESS

REVOLUTION ARC-RATED HARNESS

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 44 kN (10,000 lb) 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, assuring arc protection, and durability that eclipses any nylon webbing
- The Kevlar web loop on the back pad allows for a “metal-less” connection when used with a Kevlar shock-absorbing lanyard with a choke-off loop
- All Miller Revolution Arc-Rated Harnesses have bright red binding on every pad, making them easily identifiable as an arc-rated product



SKU	Size	Back D-ring	Side D-rings	Front D-ring	Chest Strap Buckle	Leg Strap Buckles	Sub-pelvic Strap	Removable Belt
RKNAR-QC/S/MBK	S/M	✓			Quick-connect	Quick-connect	✓	
RKNAR-QC/UBK	Universal							
RKNAR-QC/3XLBK	2XL/3XL							
RKNAR-QC/4XLBK	4XL	✓			Quick-connect	Tongue	✓	
RKNAR-TB/UBK	Universal							
RKNAR-TB/3XLBK	2XL/3XL							
RKNAR-QC-BDP/S/MBK	S/M	✓	✓		Quick-connect	Quick-connect	✓	✓
RKNAR-QC-BDP/UBK	Universal							
RKNAR-QC-BDP/3XLBK	2XL/3XL							
RKNAR-TB-BDP/S/MBK	S/M	✓	✓		Quick-connect	Tongue	✓	✓
RKNAR-TB-BDP/UBK	Universal							
RKNAR-TB-BDP/3XLBK	2XL/3XL							
RKNARRL-QC/S/MBK	S/M	✓		Resue Loops	Quick-connect	Quick-connect	✓	
RKNARRL-QC/UBK	Universal							
RKNARRL-QC/3XLBK	2XL/3XL							
RKNARRL-TB/S/MBK	S/M	✓		Resue Loops	Quick-connect	Tongue	✓	
RKNARRL-TB/UBK	Universal							
RKNARRL-TB/3XBK	2XL/3XL							
RKNARRL-QCBDP/SMBK	S/M	✓	✓	Resue Loops	Quick-connect	Quick-connect	✓	✓
RKNARRL-QC-BDP/UBK	Universal							
RKNARRLQCBDP/3XLBK	2XL/3XL							
RKNARRL-TB-BDP/UBK	Universal	✓	✓	Resue Loops	Quick-connect	Tongue	✓	✓

These harnesses meet AFTM F887, OSHA, and certified ANSI Z359.11. Some SKUs are certified CSA Z259.10. Please refer to the latest Canadian catalog or contact Customer Care. Rated up to 420 lb (max. weight capacity). Kevlar & Nomex are registered trademarks of E. I. DuPont.

BODY WEAR

WELDING AND ARC FLASH HARNESS

H500 ARC FLASH HARNESS

FEATURES AND BENEFITS

1. Polyamide webbing ASTM F887 certified arc flash 40 cal/cm²
2. Removable shoulder padding
3. Dielectric back D-ring with dedicated SRL web link for easy attachment of personal SRLs.
4. Polyamide front webbing loops
5. The A/2 Identification tag serves as a reminder to ensure the secure connection of two webbing loops when utilizing the sternal attachment point
6. User-friendly resettable lanyard keepers. Allows users to attach lanyard when not in use
7. Dielectric shoulder strap adjuster buckle
8. Easy visual sizing
9. Dielectric quick-connect on legs and chest
10. Clearly identifiable smart impact indicators for hassle-free inspection with outside personalization tag
11. Improved visible stitch pattern for easy inspection
12. Clear Arc Flash application visual icon
13. Optimized label protection with self-contained and practical Velcro-label FR material pouch
14. Safety polyamide belt with dielectric quick-connect buckle
15. Meets ASTM F887, OSHA 1926.502, certified ANSI Z359.11-2021, and CSA Z259.10-2018 Class ALR & ALPR
16. Maximum worker weight capacity rated OSHA and CSA 420 lb and ANSI 310 lb

SKU	Size	Back D-ring	Side D-rings & Belt	Chest Strap Buckles	Leg Strap Buckles	SRL Web Link (WL)
H5AFC1S1	S/M	✓	✓	Dielectric Quick-connect	Dielectric Quick-connect	✓
H5AFC1S2	U (L/XL)					
H5AFC1S3	XXL					
H5AFC2S1	S/M	✓		Dielectric Quick-connect	Dielectric Quick-connect	✓
H5AFC2S2	U (L/XL)					
H5AFC2S3	XXL					



BODY WEAR

WELDING AND ARC FLASH HARNESS

REVOLUTION KEVLAR-NOMEX WEBBING

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

- Engineered with permanent fire retardant (FR) properties
- Offers the durability and FR properties of Kevlar R 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 lb capacity



RKN-QC/UBK

SKU	Size	Back D-ring	Side D-rings and Pad	Front D-ring	Chest Strap Buckle	Leg Strap Buckles	Removable Belt
RKN-QC/S/MBK	S/M	✓			Quick-connect	Quick-connect	
RKN-QC/UBK	Universal						
RKN-QC/XXL/XXXLBK	2XL/3XL						
RKN-QC-B/S/MBK	S/M	✓			Quick-connect	Quick-connect	✓
RKN-QC-B/UBK	Universal						
RKN-QC-B/3XLBK	2XL/3XL						
RKN-QC-BDP/S/MBK	S/M	✓	✓		Quick-connect	Quick-connect	✓
RKN-QC-BDP/UBK	Universal						
RKN-QC-BDP/3XLBK	2XL/3XL						
RKN-TB/S/MBK	S/M	✓			Quick-connect	Tongue	
RKN-TB/UBK	Universal						
RKN-TB/XXL/XXXLBK	2XL/3XL						

These harnesses meet OSHA and certified ANSI Z359.11. Some SKUs are certified CSA Z259.10. Please refer to the latest Canadian catalog or contact Customer Care.  
Rated up to 420 lb (max. weight capacity).

HEAVY-DUTY WELDING/ARC FLASH 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

SKU	Size	Back D-ring	Chest Strap Buckle	Leg Strap Buckles
850K/S/MBL	S/M	Web	Mating	Mating
850K/UBL	Universal			
850K/XXLBL	2XL			
850K/XXXLBL	3XL	Web	Quick-connect	Quick-connect
850KQC/S/MBK	S/M			
850KQC/UBK	Universal			
850KQC/XXLBK	2XL			



850KQC/UBK

These harnesses meet OSHA and certified ANSI Z359.11. Some SKUs are certified CSA Z259.10. Please refer to the latest Canadian catalog or contact Customer Care.  
Rated up to 420 lb (max. weight capacity).

BODY WEAR

WELDING AND ARC FLASH HARNESS

H500 WELDING HARNESS

The H500 welding full body harness were specially developed for work at heights, whether it's welding, soldering, grinding or any other task that generates heat and spark. It's important to protect yourself at heights and your surroundings from the risks of fire, explosions, burns, and fumes. The H500 Welding series is Miller's cost-effective harness, which features heat-resistant and flame-retardant capabilities.

- Specially formulated heat resistant and flame-retardant (FR) webbing flexes to accommodate movement and body contours for optimum comfort around legs and shoulders
- User-friendly resettable lanyard keepers. Allows users to attach lanyard when not in use
- Optimized label protection with self-contained and practical Velcro-label FR material pouch
- Easy visual sizing
- Outside personalization tag
- Dedicated SRL web link for easy attachment of personal SRLs
- Clearly identifiable smart impact indicators for hassle-free inspection
- Improved visible stitch pattern for easy inspection
- Offer with quick-connect (QC) buckles on legs and chest
- Maximum worker weight capacity rated OSHA and CSA 420 lb and ANSI 310 lb
- Meets OSHA1926.502, certified ANSIZ359.11-2021, and CSA Z259.10-2018 CLASS A&AP



SKU	Size	Back D-rings	Side D-rings	Chest Buckle	Leg Buckle	SRL Web Link (WL)
H5WS2S1	S/M	✓		Quick-connect	Quick-connect	✓
H5WS2S2	Universal					
H5WS2S3	XXL					
H5WS1S1	S/M	✓	✓	Quick-connect	Quick-connect	✓
H5WS1S2	Universal					
H5WS1S3	XXL					

The H500 Welding Series meets OSHA and certified ANSI Z359.11 and CSA Z259.10 standards.  
Rated up to 420 lb (max. weight capacity).





BODY WEAR

SPECIALTY HARNESS

SAF-T-CLIMB HARNESS

The Miller Saf-T-Climb Harness was designed for used with the Saf-T-Climb ladder system.

Harness features include:

- Bayonet buckles allow easy single action for a secure connection.
- The integral back/shoulder pad eliminates tangling of the harness straps, wicks away moisture, and provides all-day comfort.
- Lumbar padding, single back D-ring, single front D-ring, two side D-rings and two shoulder D-rings are all included.



SKU	Size	Back D-ring	Side D-ring	Frontal D-ring	Shoulder D-rings	Chest Buckle	Leg Buckles
733-201-001	M	✓	✓	✓	✓	Quick-connect	Quick-connect
733-201-002	L						
733-201-003	XL						

The Saf-T-Climb Series meets OSHA and certified CSA Z259.10 standards.  
Rated up to 420 lb (max. weight capacity).

BODY WEAR

HARNESS ACCESSORIES

ONE-PULL RELIEF STEP™

The ONE-PULL TRAUMA RELIEF STEP offers a cutting-edge solution for addressing suspension trauma. We have significantly streamlined the typically four-step operation process into a single, efficient action. By incorporating a patented release mechanism, our system allows for the rapid engagement of two high-performance One-Pull Trauma Relief Steps—one for each foot.

This innovative design enables the suspended individual to effortlessly rise while secured in their body harness. Consequently, the pressure on the arteries and veins at the upper thighs is swiftly alleviated, minimizing the risk of severe injury or fatality. For detailed guidance, please refer to the User Quick Guide

SKU	Description	Length	Width	Height	Weight	Deployed unit length
1036778	One-Pull Relief Step - 1 Pair	4.3 in	2.75 in	1.18 in	0.26 lb	53 in



RELIEF STEP SAFETY DEVICE

The Miller Relief Step Safety Device alleviates the effects of orthostatic intolerance, also known as suspension trauma.

If a fall occurs, a person becomes suspended in a harness and remains both vertical and sedentary for a period of time, causing blood to 'pool' in the veins of the legs.

Subsequently, blood flow is restricted to the brain and other major organs that may initially result in unconsciousness.

If not rescued promptly, serious injury or death may occur.

The Miller Relief Step is designed to provide a short-term solution in preventing suspension trauma.

- Provides support and enhances blood circulation until rescue – permits the ability to move and flex leg muscles
- Small and lightweight
- Attaches to any brand full-body harness
- Assures greater comfort until rescue is completed when utilizing two relief steps (one for each leg/foot)

SKU	Description
9099/1	Relief Step - 1 unit
9099/36BULK	Relief Step - 36 straps in ulk
9099X/12-H5	Relief Step - 12 relief steps in display box



BODY WEAR

HARNES ACCESSORIES

SKU	Description
8928-Z7/18INBK	Web extension 18 in with a snap hook & D-ring on the opposite end
1916/18INBK	Web extension 18 in with a web loop & D-ring on the opposite end
1916K/18INBK	Kevlar web extension 18 in with a web loop & D-ring on the opposite end
1916B/18INBK	Web extension 18 in with a web loop & D-ring on the opposite end
8927/8INGN	Web O-ring extension 8 in
8927/18INGN	Web O-ring extension 18 in

BAGS

SKU	Description
702B/BK	Small Miller harness bag black
8280H/YL	Large Miller winch bag yellow
8287H/YL	Tripod bag yellow
8477HL1/BK	Medium Miller gear bag black
UBPBAG35L	Large backpack 35L gear bag black



BODY WEAR

HARNES ACCESSORIES

BODY BELTS

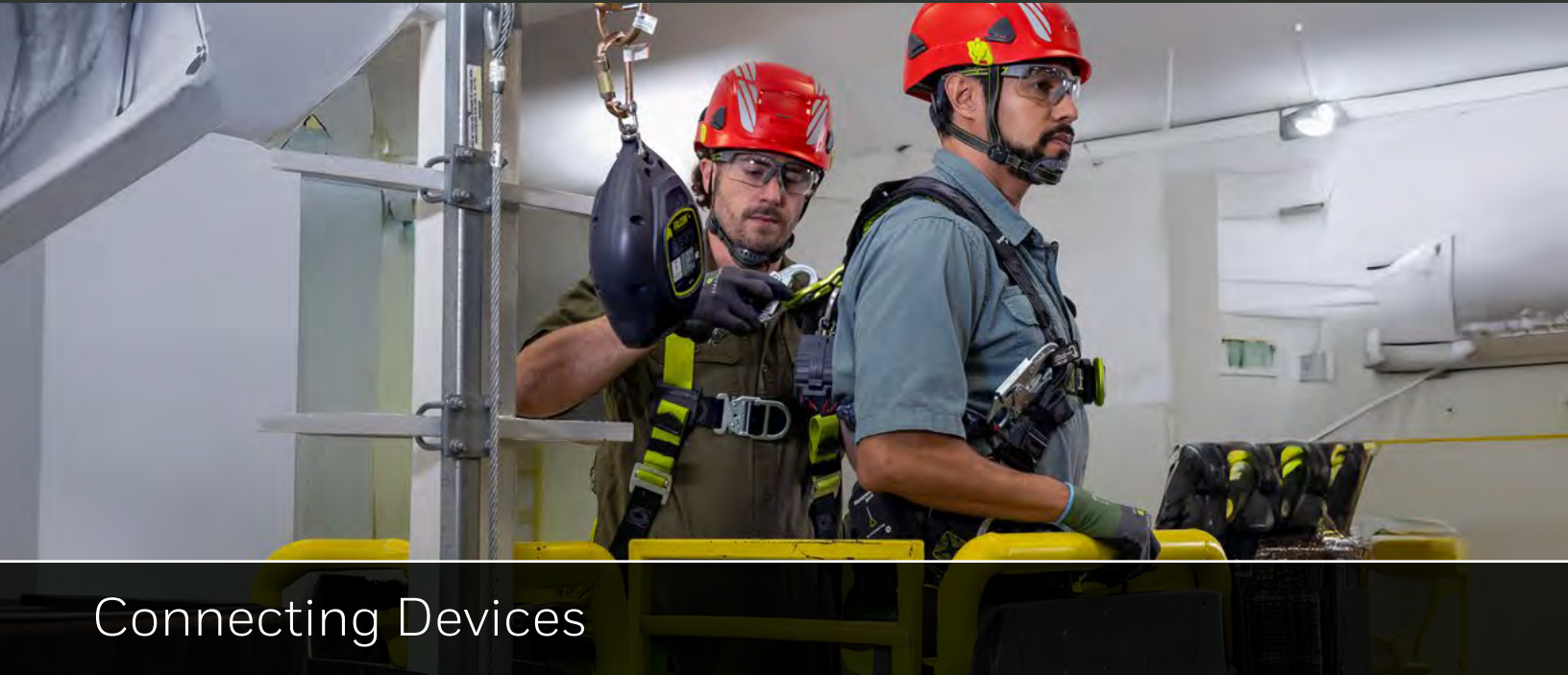
SKU	Size	Description
2NA/SBK	S	Body belt with tongue buckle, includes side D-rings & 3 in back pad
2NA/MBK	M	Body belt with tongue buckle, includes side D-rings & 3 in back pad
2NA/LBK	L	Body belt with tongue buckle, includes side D-rings & 3 in back pad
2NA/XLBK	XL	Body belt with tongue buckle, includes side D-rings & 3 in back pad
2NA/XXLBK	XXL	Body belt with tongue buckle, includes side D-rings & 3 in back pad
2NA/XXXLBK	XXXL	Body belt with tongue buckle, includes side D-rings & 3 in back pad
3NA/SBK	S	Body belt with tongue buckle, includes single D-ring & 3 in back pad
3NA/MBK	M	Body belt with tongue buckle, includes single D-ring & 3 in back pad
3NA/LBK	L	Body belt with tongue buckle, includes single D-ring & 3 in back pad
3NA/XLBK	XL	Body belt with tongue buckle, includes single D-ring & 3 in back pad
3NA/XXLBK	XXL	Body belt with tongue buckle, includes single D-ring & 3 in back pad
123N/SBK	S	Lined body belt with tongue buckle, includes single D-ring
123N/MBK	M	Lined body belt with tongue buckle, includes single D-ring
123N/LBK	L	Lined body belt with tongue buckle, includes single D-ring
123N/XLBK	XL	Lined body belt with tongue buckle, includes single D-ring
123N/XXLBK	XXL	Lined body belt with tongue buckle, includes single D-ring
123N/XXXLBK	XXXL	Lined body belt with tongue buckle, includes single D-ring
124N/SBK	S	Lined body belt with tongue buckle, includes side D-rings
124N/MBK	M	Lined body belt with tongue buckle, includes side D-rings
124N/LBK	L	Lined body belt with tongue buckle, includes side D-rings
124N/XLBK	XL	Lined body belt with tongue buckle, includes side D-rings
124N/XXLBK	XXL	Lined body belt with tongue buckle, includes side D-rings
6414N/SBK	S	Body web black belt 1-3/4 in with tongue buckle with 11 grommets
6414N/MBK	M	Body web black belt 1-3/4 in with tongue buckle with 11 grommets
6414N/LBK	L	Body web black belt 1-3/4 in with tongue buckle with 11 grommets
6414N/UBK	Universal	Body web black belt 1-3/4 in with tongue buckle with 11 grommets
6414N/XLBK	XL	Body web black belt 1-3/4 in with tongue buckle with 11 grommets

BODY BELT SIZING

Size	Measurements	Ordering Suffix
Small	31 in to 39 in	/SBK
Medium	35 in to 43 in	/MBK
Large	39 in to 47 in	/LBK
X-Large	42 in to 50 in	/XLBK
XX-Large	46 in to 54 in	/XXLBK







# Connecting Devices

C

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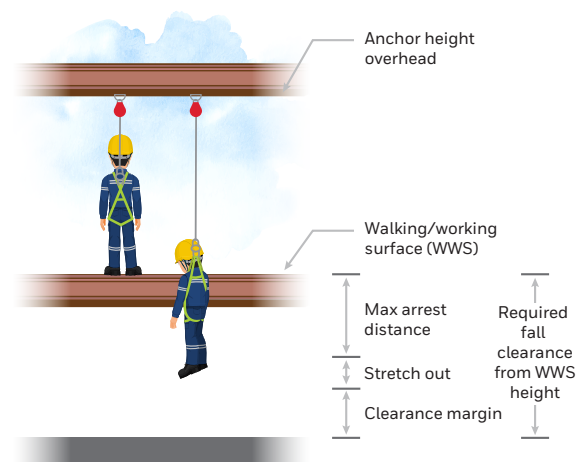


CONNECTING DEVICES

INTRODUCTION

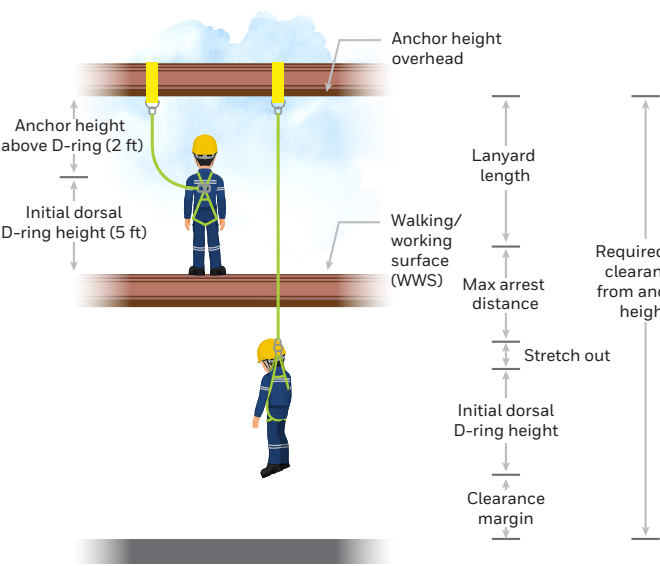
SELF-RETRACTING DEVICES (SRD)

Overhead Anchor - Standing Position



SHOCK-ABSORBING LANYARD

Overhead Anchor - Standing Position

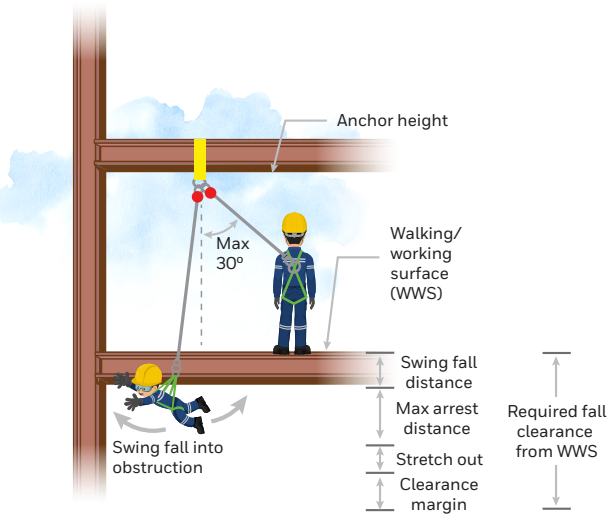


CONNECTING DEVICES

INTRODUCTION

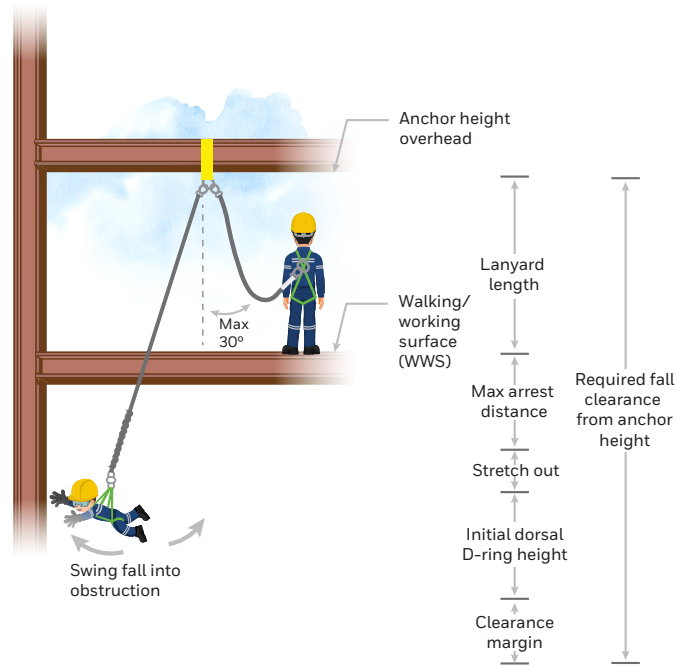
SELF-RETRACTING DEVICES (SRD)

Swing Fall



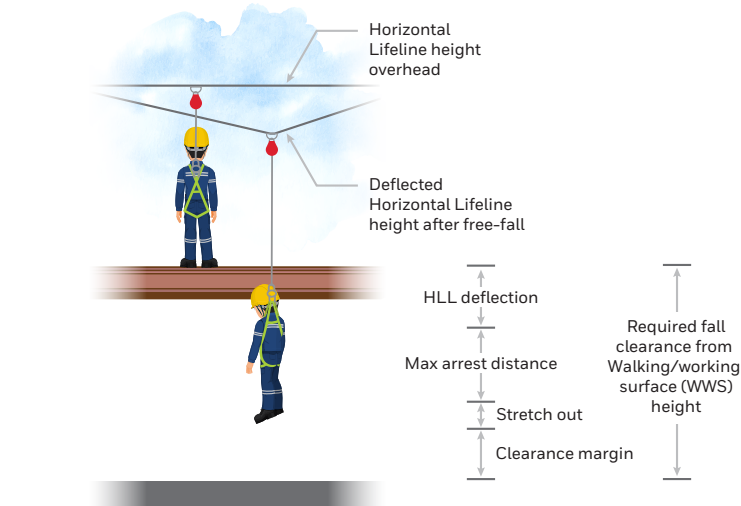
SHOCK-ABSORBING LANYARD

Swing Fall



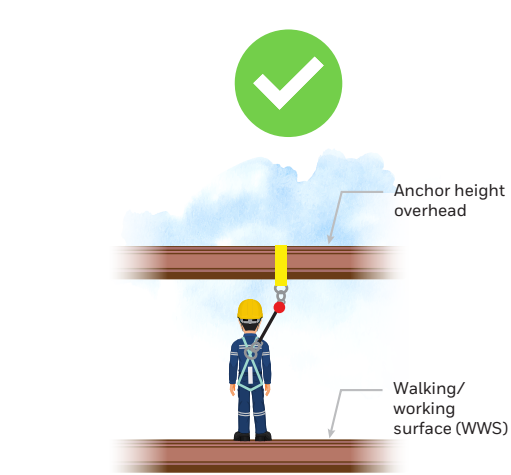
HORIZONTAL LIFELINE + SRD

Overhead Anchor - Standing Position



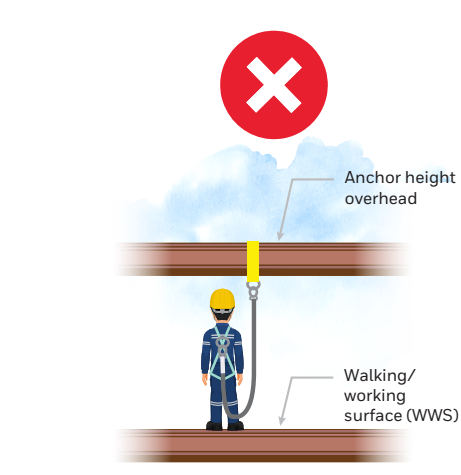
SELF-RETRACTING DEVICES (SRD)

No Tripping Hazard - Overhead Anchor



SHOCK-ABSORBING LANYARD

Tripping Hazard - Overhead Anchor





CONNECTING DEVICES

SELF-RETRACTING DEVICES (SRD)

TURBOLITE+ WEB PFL

Discover the Miller TurboLite+ Web PFL, a modern evolution within the PLUS family of self-retracting devices.

These fall protection systems are engineered for professionals who prioritize mobility and safety on the job site. Designed to meet or exceed OSHA, ANSI, and CSA standards, the TurboLite+ supports workers up to 420 lb and features an updated design that integrates seamlessly with Miller harnesses, ensuring optimal performance and reliability in fall protection.

Features and Benefitsg

- Increased weight rating as per OSHA to 420 lb and rated ANSI/CSA 310 lb
- Meets OSHA 1926.502 /1910.140 and certified ANSI Z359.14-2021 Class 1, and CSA Z259.2.2-2017 Class SRL
- Now available in 6 ft and 11 ft lengths
- Combinations available for unit and lanyard ends
- Available with lightweight aluminum to help reduce weight
- Enhanced graphics, icons, and colors on UV-resistant scratch-proof labeling
- New Miller look and feel, designs aligned with Miller harnesses for mix & match protection
- High-impact resistant nylon housing
- Abrasion-resistant webbing helps provide long service life
- Integral swivel reduces lifeline twisting



MTL-OHW1-01



MTL-OHW2-22

CONNECTING DEVICES

SELF-RETRACTING DEVICES (SRD)

TURBOLITE+ PFL WEB

SKU	Length	Lifeline Type	Unit Connector	Lifeline Connector	Weight
MTL-OHW1-01/6FT	6 ft	Single	Steel carabiner	Steel locking snap hook	4.5 lb
MTL-OHW1-02/6FT	6 ft	Single	Steel carabiner	Steel locking rebar hook	3.4 lb
MTL-OHW1-03/6FT	6 ft	Single	No unit connector	Steel locking snap hook	4 lb
MTL-OHW1-04/6FT	6 ft	Single	No unit connector	Steel locking rebar hook	2.9 lb
MTL-OHW1-05/6FT	6 ft	Single	No unit connector	Steel locking swivel snap hook	3.1 lb
MTL-OHW1-06/6FT	6 ft	Single	No unit connector	Steel locking swivel rebar hook	3 lb
MTL-OHW1-07/6FT	6 ft	Single	Aluminum carabiner	Aluminum locking snap hook	4.2 lb
MTL-OHW1-08/6FT	6 ft	Single	Aluminum carabiner	Aluminum locking rebar hook	3.2 lb
MTL-OHW1-09/6FT	6 ft	Single	Steel D-ring swivel hook	Steel locking snap hook	4.5 lb
MTL-OHW1-10/6FT	6 ft	Single	Steel D-ring swivel hook	Steel locking rebar hook	3.4 lb
MTL-OHW1-11/6FT	6 ft	Single	Steel locking snap hook	Steel locking snap hook	6 lb
MTL-OHW1-12/6FT	6 ft	Single	Steel locking snap hook	Steel locking rebar hook	4.9 lb
MTL-OHW1-14/6FT	6 ft	Single	Aluminum locking snap hook	Aluminum locking snap hook	5.4 lb
MTL-OHW1-15/6FT	6 ft	Single	Aluminum locking snap hook	Aluminum locking rebar hook	4.4 lb
MTL-OHW1-17/6FT	6 ft	Single	No unit connector	Aluminum locking rebar hook	2.7 lb
MTL-OHW1-38/6FT	6 ft	Single	Aluminum carabiner	Aluminum carabiner	3.1 lb
MTL-OHW1-58/6FT	6 ft	Single	Aluminum carabiner	Aluminum locking rebar hook	3.2 lb
MTL-OHW2-21/6FT	6 ft	Twin	G2 Twin connector	Steel locking snap hooks	8 lb
MTL-OHW2-22/6FT	6 ft	Twin	G2 Twin connector	Steel locking rebar hook	5.8 lb
MTL-OHW2-27/6FT	6 ft	Twin	G2 Twin connector	Aluminum locking snap hook	7.4 lb
MTL-OHW2-28/6FT	6 ft	Twin	G2 Twin connector	Aluminum locking rebar hook	5.4 lb
MTL-OHW1-01/11FT	11 ft	Single	Steel carabiner	Steel locking snap hook	5.1 lb
MTL-OHW1-03/11FT	11 ft	Single	No unit connector	Steel locking snap hook	4.5 lb
MTL-OHW1-04/11FT	11 ft	Single	No unit connector	Steel locking rebar hook	3.4 lb
MTL-OHW1-05/11FT	11 ft	Single	No unit connector	Steel locking swivel snap hook	3.6 lb
MTL-OHW1-07/11FT	11 ft	Single	Aluminum carabiner	Aluminum locking snap hook	4.8 lb
MTL-OHW1-11/11FT	11 ft	Single	Steel locking snap hook	Steel locking snap hook	6.5 lb
MTL-OHW1-12/11FT	11 ft	Single	Steel locking snap hook	Steel locking rebar hook	5.4 lb
MTL-OHW1-38/11FT	11 ft	Single	Aluminum carabiner	Aluminum carabiner	3.6 lb
MTL-OHW1-58/11FT	11 ft	Single	Aluminum carabiner	Aluminum locking rebar hook	3.8 lb
MTL-OHW1-71/11FT	11 ft	Single	Steel locking rebar hook	Steel locking snap hook	5.4 lb
MTL-OHW2-21/11FT	11 ft	Twin	G2 Twin connector	Steel locking snap hook	9.1 lb
MTL-OHW2-22/11FT	11 ft	Twin	G2 Twin connector	Steel locking rebar hook	6.9 lb
MTL-OHW2-27/11FT	11 ft	Twin	G2 Twin connector	Aluminum locking snap hook	8.5 lb
MTL-OHW2-28/11FT	11 ft	Twin	G2 Twin connector	Aluminum locking rebar hook	6.5 lb

CONNECTING DEVICES

SELF-RETRACTING DEVICES (SRD)

TURBOLITE+ SCORPION PFL

Introducing the Miller TurboLite+ Scorpion PFL, a standout member of the PLUS family of newly engineered self-retracting lifelines. Available in 7-ft, 8-ft, and 9-ft lengths, the Miller TurboLite+ Scorpion Personal Fall Limiter delivers enhanced mobility, safety, and versatility, making it a superior alternative to traditional shock-absorbing lanyards. With its innovative design, it offers users greater ease of use while ensuring compliance with safety standards.

Features and Benefits

- Increased weight rating as per OSHA to 420 lb and rated ANSI/CSA 310 lb
- Meets OSHA 1926.502/1910.140 and certified ANSI Z359.14-2021 Class 1, and CSA Z259.2.2-2017 Class SRL
- Available in 7-ft, 8-ft and 9-ft lengths
- Combinations available for unit and lanyard ends
- Available with lightweight aluminum to help reduce weight
- Enhanced graphics, icons, and colors on UV-resistant scratch-resistant labeling
- New Miller look and feel, designs aligned with Miller harnesses for mix & match protection
- High-impact resistant nylon housing
- Integral swivel reduces lifeline twisting



SKU	Length	Lifeline Configuration	Unit Connector	Lifeline Connector	Weight
STL-OHS1-01/7 ft	7 ft	Single	Steel carabiner	Steel locking snap hook	3.7 lb
STL-OHS1-01/8 ft	8 ft	Single	Steel carabiner	Steel locking snap hook	4 lb
MTL-OHS1-01/8 ft	8 ft	Single	Steel carabiner	Steel locking snap hook	4.2 lb
MTL-OHS1-05/8 ft	8 ft	Single	No unit connector	Steel locking swivel snap hook	3.4 lb
MTL-OHS1-91/8 ft	8 ft	Single	No unit connector	Steel locking snap hook	2.7 lb
MTL-OHS1-01/9 ft	9 ft	Single	Steel carabiner	Steel locking snap hook	4.9 lb
MTL-OHS1-02/9 ft	9 ft	Single	Steel carabiner	Steel locking rebar hook	5 lb
MTL-OHS1-03/9 ft	9 ft	Single	No unit connector	Steel locking snap hook	4.3 lb
MTL-OHS1-05/9 ft	9 ft	Single	No unit connector	Steel locking swivel snap hook	3.4
MTL-OHS1-07/9 ft	9 ft	Single	Aluminum carabiner	Aluminum locking snap hook	4 lb
MTL-OHS1-09/9 ft	9 ft	Single	Steel D-ring swivel hook	Steel locking snap hook	4.3 lb
MTL-OHS1-11/9 ft	9 ft	Single	Steel locking snap hook	Steel locking snap hook	6.3 lb
MTL-OHS1-14/9 ft	9 ft	Single	Aluminum locking snap hook	Aluminum locking snap hook	3.8 lb
MTL-OHS1-15/9 ft	9 ft	Single	Aluminum locking snap hook	Aluminum locking rebar hook	5 lb
MTL-OHS1-16/9 ft	9 ft	Single	No unit connector	Aluminum locking snap hook	3.2 lb
MTL-OHS1-17/9 ft	9 ft	Single	No unit connector	Aluminum locking rebar hook	4.2 lb
MTL-OHS1-31/9 ft	9 ft	Single	Steel captive eye carabiner	Steel locking snap hook	4 lb
MTL-OHS1-38/9 ft	9 ft	Single	Aluminum carabiner	Aluminum carabiner	3.4 lb
MTL-OHS1-55/9 ft	9 ft	Single	Steel carabiner	Steel locking swivel snap hook	4.2 lb
MTL-OHS1-58/9 ft	9 ft	Single	Aluminum carabiner	Aluminum locking rebar hook	5 lb
MTL-OHS1-71/9 ft	9 ft	Single	Steel locking rebar hook	Steel locking snap hook	5.2 lb
MTL-OHS1-90/9 ft	9 ft	Single	Steel swivel carabiner	Steel locking swivel snap hook	4.2 lb
MTL-OHS2-21/9 ft	9 ft	Twin	G2 Twin connector	Steel locking snap hook	6.8 lb
MTL-OHS2-22/9 ft	9 ft	Twin	G2 Twin connector	Steel locking rebar hook	8.8 lb
MTL-OHS2-27/9 ft	9 ft	Twin	G2 Twin connector	Aluminum locking snap hook	6.4 lb
MTL-OHS2-28/9 ft	9 ft	Twin	G2 Twin connector	Aluminum locking rebar hook	8 lb

CONNECTING DEVICES

SELF-RETRACTING DEVICES (SRD)

TURBOLITE+ EDGE CABLE PFL

Introducing the Miller TurboLite+ Edge cable, a proud addition to the PLUS family of newly redesigned self-retracting devices (SRDs). The TurboLite+ Edge PFLs are engineered to provide the reliability and assurance that Miller is known for, available in a diverse selection of lengths to suit your needs.

Specifically designed for edge applications, TurboLite+ Edge PFLs enhance versatility and user mobility while prioritizing maximum safety. Discover the perfect solution for your safety needs with the TurboLite+ Edge cable.

Features and Benefits

- **Safe** - Edge cable units meet the most stringent safety standards. Meets OSHA 1926.502/1910.140 and certified ANSI Z359.14-2021 Class 2, and CSA Z259.2.2-2017 Class SRL-LE
- **Versatile** - Can be connected at foot level and above worker D-ring, increased weight rating as per OSHA to 420 lb and rated ANSI/CSA 310 lb
- **Compact and lightweight** – Helps reduce your fatigue, increase your productivity. A single-pin harness connection design for fast and easy operation.
- **Configurable** – A wide range of working lengths in cable (6-ft and 9-ft ) with a variety of lifeline connectors in both steel and aluminum options
- **Durability** – High-impact nylon housing
- **Twin models available** – Provide for 100% tie-off connection

Lifeline Configuration	SKU Length 6 FT	Unit Connector	Lifeline End Connector	Weight
Single	MTL-LEP1-61/6FT	Aluminum harness one pin connector	Steel locking snap hook	4.0 lb
	MTL-LEP1-62/6FT		Steel locking rebar hook	4.6 lb
	MTL-LEP1-63/6FT		Aluminum captive eye carabiner	3.3 lb
	MTL-LEP1-67/6FT		Aluminum locking snap hook	3.7 lb
	MTL-LEP1-68/6FT		Aluminum locking rebar hook	4.6 lb
Twin	MTL-LEP2-61/6FT	Aluminum harness one pin connector	Steel locking snap hook	7.0 lb
	MTL-LEP2-62/6FT		Steel locking rebar hook	9.2 lb
	MTL-LEP2-63/6FT		Aluminum captive eye carabiner	6.6 lb
	MTL-LEP2-67/6FT		Aluminum locking snap hook	6.8 lb
	MTL-LEP2-68/6FT		Aluminum locking rebar hook	9.0 lb



MTL-LEP1-61



MTL-LEP2-62



CONNECTING DEVICES

SELF-RETRACTING DEVICES (SRD)

Falcon+ SRL

The Miller Falcon+ Edge is designed to protect a worker in applications where the lifeline could meet an edge, in event of a fall, or where foot level tie-off is needed. This self-retracting lifeline features an integrated shock-absorber pack attached to the end of the lifeline connected to the worker. The Falcon+ Edge can also be used in overhead applications as a traditional self-retracting lifeline.

Features and Benefits

- Increased weight rating as per OSHA to 420 lb and rated ANSI/CSA 310 lb
- Edge cable units meet the most stringent safety standards. Meets OSHA 1926.502/1910.140 and certified ANSI Z359.14-2021 Class 2, and CSA Z259.2.2-2017 Class SRL-LE
- Available in galvanized steel cable. 20-ft, 30-ft and 50-ft working lengths to cover a wide range of applications
- Helps provide protection for all working at height situations – horizontal: vertical: mounted overhead: anchored at foot level and work near edges
- 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
- No annual factory recertification required. (U.S. only)



MFS-LEP1-02/50FT

SKU	Length	Product Name	Unit Connector	Lifeline Connector	Weight
MFS-LEP1-02/20FT	20 ft	Falcon+ Edge	Steel carabiner	Steel swivel snap hook	11 lb
MFS-LEP1-02/30FT	30 ft	Falcon+ Edge	Steel carabiner	Steel swivel snap hook	14.3 lb
MFS-LEP1-02/50FT	50 ft	Falcon+ Edge	Steel carabiner	Steel swivel snap hook	17.4 lb
MFS-LES1-02/20FT	20 ft	Falcon+ Edge Kevlar Pack	Steel carabiner	Steel swivel snap hook	11 lb
MFS-LES1-02/30FT	30 ft	Falcon+ Edge Kevlar Pack	Steel carabiner	Steel swivel snap hook	14.3 lb
MFS-LES1-02/50FT	50 ft	Falcon+ Edge Kevlar Pack	Steel carabiner	Steel swivel snap hook	17.4 lb



CONNECTING DEVICES

SELF-RETRACTING DEVICES (SRD)/PERSONAL FALL LIMITERS (PFL)

FALCON+ SRL

The Miller Falcon+ is a self-retracting device engineered to thrive in the most demanding conditions. Now part of the PLUS family, this redesigned device meets the latest global standards and features a lightweight, high impact-resistant nylon construction for exceptional durability and performance.

- Increased weight rating as per OSHA to 420 lb and rated ANSI/CSA 310 lb
- Meets requirements OSHA 1926.502/1910.140 and certified ANSI Z359.14-2021 Class 1, and CSA Z259.2.2-2017 Class SRL
- 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
- Available in galvanized steel cable 20-ft, 30-ft, and 50-ft options
- 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
- No annual factory recertification required (U.S. only)



MFS-OGC1-02/30FT

SKU	Length	Unit Connector	Lifeline Connector	Weight
MFS-OGC1-02/20FT	20 ft	Steel carabiner	Steel swivel snap hook	8.9 lb
MFS-OGC1-02/30FT	30 ft	Steel carabiner	Steel swivel snap hook	10.7 lb
MFS-OGC1-02/50FT	50 ft	Steel carabiner	Steel swivel snap hook	14.8 lb





CONNECTING DEVICES

SELF-RETRACTING DEVICES (SRD)

DURASEAL™ SRL

The 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.

Features and Benefits

- 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
- Enables quicker, easier installation and provides protection from rain
- Product service life is extended in the harshest environments with corrosion resistant components

DuraSeal with Cable Sling, Tagline and 2 Carabiners

SKU	Length	Lifeline Material	Weight
SSRL50S1	50 ft	Stainless steel	27.3 lb

DuraSeal with Cable Sling, Tagline, 2 Carabiners and 4-hole Mounting Plates

SKU	Length	Lifeline Material	Weight
SSRL50S2	50 ft	Stainless steel	61 lb

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. Each kit includes the cable assembly, a rubber plug, two shoulder screws, two entry guide screws, and two RFID clips.

SKU	Description	Weight
SSRL50SRR	50-ft Stainless steel replacement cable kit	4.8 lb



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.

CONNECTING DEVICES

ROPE GRABS AND VERTICAL LIFELINES

MILLER ADJUSTABLE CAB MOUNT BRACKET

Easily accommodates Miller Turbolite+ Web PFL and Miller Turbolite+ Scorpion PFL

- The Miller Cab Mount Bracket can be easily mounted on the overhead guard stringers, extending less than 2 inches into the lift truck cab
- Adjustable side brackets promotes a custom fit of lift truck cabs from 3-3/4 in to 9-1/8 in
- Non-protruding mount provides greater head room
- Quick and easy installation increases productivity
- Heavy-duty, zinc-plated steel construction for greater durability and longer service life

SKU	Description
CMB/	Bracket only (Please refer to the Turbolite+ Web or Turbolite+ Scorpion, single unit, page for your PFL)
MTL-OHW1-03/6FT	Turbolite+ Web 6 ft with steel locking snap hook
STL-OHS1-01/7FT*	Turbolite+ Scorpion 7 ft with steel locking snap hook
MTL-OHS1-01/8FT*	Turbolite+ Scorpion 8 ft with steel locking snap hook
MTL-OHS1-03/9FT	Turbolite+ Scorpion 9 ft with steel locking snap hook
MTL-OHW1-03/11FT	Turbolite+ Web 11 ft with steel locking snap hook

\* -01 PFL SKU will come with a carabiner, that will not be needed for the CMB/ bracket



CMB/

ROPE GRABS

Miller Rope Grabs move easily up and down vertical lifelines to provide continuous fall protection. Trailing models offer complete hands-free operation for increased productivity. In the event of a fall, Miller rope grabs lock quickly.

Features and Benefits

- Compact design, stainless steel construction
- Lightweight and easy to use
- Maximum working capacity 310 lb

SKU	Type	Use With Rope	Description
8175-Z7/	Trailing Rope Grab	5/8	Stainless steel rope grab with anti-panic feature
8175SLS/2FTYLC	Trailing Rope Grab	5/8	8175 w/attached 2-ft web lanyard w/locking snap hook

Locking snap hook 3/4-in gate opening.



300L-Z7/100FTBL

LIFELINES

Synthetic rope lifeline with a minimum tensile strength of 5,000 lb. Most common lifeline lengths are 25 ft, 50 ft, 75 ft, and 100 ft. Additional lengths are available.

SKU	Material	Size	Connectors	Color	Length
300L-Z7/25FTBL	Polyester/polypropylene blend	5/8	Locking snap hook/thimble	Blue	25 ft
300L-Z7/30FTBL	Polyester/polypropylene blend	5/8	Locking snap hook/thimble	Blue	30 ft
300L-Z7/50FTBL	Polyester/polypropylene blend	5/8	Locking snap hook/thimble	Blue	50 ft
300L-Z7/75FTBL	Polyester/polypropylene blend	5/8	Locking snap hook/thimble	Blue	75 ft
300L-Z7/100FTBL	Polyester/polypropylene blend	5/8	Locking snap hook/thimble	Blue	100 ft
300L-Z7/150FTBL	Polyester/polypropylene blend	5/8	Locking snap hook/thimble	Blue	150 ft
300L-Z7/200FTBL	Polyester/polypropylene blend	5/8	Locking snap hook/thimble	Blue	200 ft
300L-Z7/250FTBL	Polyester/polypropylene blend	5/8	Locking snap hook/thimble	Blue	250 ft



8175SLS/2FTYLC



CONNECTING DEVICES

LANYARDS

MILLER HP™ LANYARDS W/SOFSTOP® ENERGY ABSORBER

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

- SofStop Energy 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
- Certified CSA Z259.11-2017
- 120 lb to 335 lb weight capacity



M1ASAS-WS6C



M2FSFR-WS6C

SKU	Material	Color	Number of Legs	Harness Connection	Anchorage Connection	Length
M1ASAS-WS6C	Standard webbing	Green	One	Aluminum snap	Aluminum snap	6 ft
M1FSCA-WS4C	Standard webbing	Green	One	Standard snap hook	Carabiner	4 ft
M1FSFC-WS4C	Standard webbing	Green	One	Standard snap hook	Large rebar (2-1/2 in)	4 ft
M1FSFC-WS5C	Standard webbing	Green	One	Standard snap hook	Large rebar (2-1/2 in)	5 ft
M1FSFC-WS6C	Standard webbing	Green	One	Standard snap hook	Large rebar (2-1/2 in)	6 ft
M1FSFR-WS4C	Standard webbing	Green	One	Standard snap hook	Standard rebar (2 in)	4 ft
M1FSFR-WS5C	Standard webbing	Green	One	Standard snap hook	Standard rebar (2 in)	5 ft
M1FSFR-WS6C	Standard webbing	Green	One	Standard snap hook	Standard rebar (2 in)	6 ft
M1FSFS-WS4C	Standard webbing	Green	One	Standard snap hook	Standard snap hook	4 ft
M1FSFS-WS5C	Standard webbing	Green	One	Standard snap hook	Standard snap hook	5 ft
M1FSFS-WS6C	Standard webbing	Green	One	Standard snap hook	Standard snap hook	6 ft
M1FSFS-WS46C	Standard webbing	Green	One	Standard snap hook	Standard snap hook	Adjustable
M2ASAR-WS6C	Standard webbing	Green	Two	Aluminum snap	Aluminum rebar	6 ft
M2FSFC-WS4C	Standard webbing	Green	Two	Standard snap hook	Large rebar (2-1/2 in)	4 ft
M2FSFC-WS6C	Standard webbing	Green	Two	Standard snap hook	Large rebar (2-1/2 in)	6 ft
M2FSFR-WS4C	Standard webbing	Green	Two	Standard snap hook	Standard rebar (2 in)	4 ft
M2FSFR-WS6C	Standard webbing	Green	Two	Standard snap hook	Standard rebar (2 in)	6 ft
M2FSFS-WS4C	Standard webbing	Green	Two	Standard snap hook	Standard snap hooks	4 ft
M2FSFS-WS6C	Standard webbing	Green	Two	Standard snap hook	Standard snap hooks	6 ft

All connectors include 3,600 lb gate-strength.

CONNECTING DEVICES

LANYARDS

MILLER STRETCHSTOP® LANYARDS WITH SOFSTOP ENERGY ABSORBER

- StretchStop Lanyards contract 6 ft to 4 ft, greatly reducing the chances of tripping, snagging, or dragging
- Includes a heavy-duty back-up safety strap
- SofStop Energy Absorber pack is designed with a specially-woven inner core that smoothly expands to reduce fall arrest forces
- Certified CSA Z259.11-2017
- 120 lb to 335 lb weight capacity



M2FSFC-TS6C



M1FSFC-TS6C

SKU	Material	Color	Number of Legs	Harness Connection	Anchorage Connection	Length
M1FSFC-TS4C	Tubular stretch	Green	One	Standard snap hook	Large rebar (2-1/2 in)	4 ft
M1FSFC-TS6C	Tubular stretch	Green	One	Standard snap hook	Large rebar (2-1/2 in)	6 ft
M1FSFR-TS4C	Tubular stretch	Green	One	Standard snap hook	Standard rebar (2 in)	4 ft
M1FSFR-TS6C	Tubular stretch	Green	One	Standard snap hook	Standard rebar (2 in)	6 ft
M1FSFS-TS4C	Tubular stretch	Green	One	Standard snap hook	Standard snap hook	4 ft
M1FSFS-TS6C	Tubular stretch	Green	One	Standard snap hook	Standard snap hook	6 ft
M2FSFC-TS4C	Tubular stretch	Green	Two	Standard snap hook	Large rebar (2-1/2 in)	4 ft
M2FSFC-TS6C	Tubular stretch	Green	Two	Standard snap hook	Large rebar (2-1/2 in)	6 ft
M2FSFS-TS6C	Tubular stretch	Green	Two	Standard snap hook	Standard snap hooks	6 ft

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 gate load capacity from any angle
- All-in-one lanyard with SofStop Energy Absorber and cross-arm anchorage connector
- SofStop Energy 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
- Certified CSA Z259.11-2017
- 120 lb to 335 lb weight capacity

SKU	Material	Color	Number of Legs	Harness Connection	Anchorage Connection	Length
M1FSTB-AS6C	Tie back	Green	One	Standard snap hook	Tie back snap	6 ft
M2FSTB-AS6C	Tie back	Green	Two	Standard snap hook	Tie back snap	6 ft

All connectors include 3,600 lb gate-strength.

Cordura is a registered trademark of E. I. DuPont.



M1FSTB-AS6C



CONNECTING DEVICES

LANYARDS

MILLER VINYL-COATED ENERGY-ABSORBING LANYARDS

Miller Vinyl-Coated Energy-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.

- SofStop Energy 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
- Certified CSA Z259.11-2017
- 120 lb to 335 lb weight capacity

SKU	Material	Color	Number of Legs	Harness Connection	Anchorage Connection	Length
M1FSFS-DS6C	Tubular stretch	Green	One	Standard snap hook	Standard snap hook	6 ft
M2FSFC-DS6C	Tubular stretch	Green	Two	Standard snap hook	Large rebar (2-1/2 in)	6 ft
M2FSFS-DS6C	Tubular stretch	Green	Two	Standard snap hook	Standard snap hooks	6 ft

All connectors include 3,600 lb gate-strength.



M1FSFS-DS6C

MILLER ARC-RATED ENERGY-ABSORBING LANYARDS

- Certified ASTM F887
- 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
- Certified CSA Z259.11-2017
- 120 lb to 335 lb weight capacity



M1WLFC-ES6C

SKU	Material	Color	Number of Legs	Harness Connection	Anchorage Connection	Length
M1FSFC-KS6C	Kevlar webbing	Black	One	Standard snap hook	Large rebar (2-1/2 in)	6 ft
M1FSFS-KS4C	Kevlar webbing	Black	One	Standard snap hook	Standard snap hook	4 ft
M1FSFS-KS6C	Kevlar webbing	Black	One	Standard snap hook	Standard snap hook	6 ft
M2FSFC-KS6C	Kevlar webbing	Black	Two	Standard snap hook	Large rebar (2-1/2 in)	6 ft
M1FSFS-ES6C	Kevlar tubular webbing	Gray	One	Standard snap hook	Standard snap hook	6 ft
M1WLFC-ES6C	Kevlar tubular webbing	Gray	One	Web loop	Large rebar (2-1/2 in)	6 ft
M1WLFS-ES4C	Kevlar tubular webbing	Gray	One	Web loop	Standard snap hook	4 ft
M1WLFS-ES6C	Kevlar tubular webbing	Gray	One	Web loop	Standard snap hook	6 ft
M2FSFC-ES6C	Kevlar tubular webbing	Gray	Two	Standard snap hook	Large rebar (2-1/2 in)	6 ft

All connectors include 3,600 lb gate strength.

CONNECTING DEVICES

LANYARDS

TITAN PACK-TYPE ENERGY-ABSORBING LANYARDS

- Certified CSA Z259.11-2017
- 120 lb to 335 lb weight capacity

SKU	Material	Color	Number of Legs	Harness Connection	Anchorage Connection	Length
T1SSSR-OS6C	Standard webbing	Orange	One	Stamped snap hook	Stamped rebar	6 ft
T1SSSS-OS6C	Standard webbing	Orange	One	Stamped snap hook	Stamped snap hook	6 ft
T2SSSR-OS6C	Standard webbing	Orange	Two	Stamped snap hook	Stamped rebar	6 ft
T2SSSS-OS6C	Standard webbing	Orange	Two	Stamped snap hook	Stamped snap hook	6 ft

All connectors include 3,600 lb gate-strength.



T1SSSR-OS6C

TITAN STRETCH PACK-TYPE ENERGY-ABSORBING LANYARDS

- Certified CSA Z259.11-2017
- 120 lb to 335 lb weight capacity

SKU	Material	Color	Number of Legs	Harness Connection	Anchorage Connection	Length
T1SSSS-US6C	Tubular stretch	Orange	One	Stamped snap hook	Stamped snap hook	6 ft
T2SSSR-US6C	Tubular stretch	Orange	Two	Stamped snap hook	Stamped rebar	6 ft

All connectors include 3,600 lb gate-strength.



T1SSSS-US6C



CONNECTING DEVICES

POSITIONING/RESTRAINT LANYARDS

MILLER HP 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



201RLS-2-Z7/6FTWH



213TWLS-Z7/6FTGN



207LS-Z7/6FTG

SKU	Material	Harness Connection	Anchorage Connection	Special Features	Length
201RLS-8/2FTWH	Nylon rope	Locking snap hook	Locking snap hook	–	2 ft
201RLS-8/3FTWH	Nylon rope	Locking snap hook	Locking snap hook	–	3 ft
201RLS-8-Z7/4FTWH	Nylon rope	Locking snap hook	Locking snap hook	–	4 ft
201RLS-8-Z/6FTWH	Nylon rope	Locking snap hook	Locking snap hook	–	6 ft
201RLS-8/8FTWH	Nylon rope	Locking snap hook	Locking snap hook	–	8 ft
201RLS-2-Z7/3FTWH	Nylon rope	Locking snap hook	Locking snap hook	–	3 ft
201RLS-2-Z7/6FTWH	Nylon rope	Locking snap hook	Locking snap hook	–	6 ft
203RLS-2/6FTWH	Nylon rope	Locking snap hook	Locking snap hook	Adjustable	6 ft
207LS-Z7/6FTG	Cable	Locking snap hook	Locking snap hook	–	6 ft
207LS-Z7/3FTG	Cable	Locking snap hook	Locking snap hook	–	3 ft
207LS-Z7/4FTG	Cable	Locking snap hook	Locking snap hook	–	4 ft
212WLS-Z7/3FTYL	Polyester webbing	Locking snap hook	Web loop	–	3 ft
210WLS-Z7/5FTYL	Polyester webbing	Locking snap hook	Locking snap hook	Adjustable	5 ft
210WLS-Z7/6FTYL	Polyester webbing	Locking snap hook	Locking snap hook	Adjustable	6 ft
213WLS-Z7/3FTYL	Polyester webbing	Locking snap hook	Locking snap hook	–	3 ft
213WLS-Z7/4FTYL	Polyester webbing	Locking snap hook	Locking snap hook	–	4 ft
213WLS-Z7/6FTYL	Polyester webbing	Locking snap hook	Locking snap hook	–	6 ft
213WLS-Z7/8FTYL	Polyester webbing	Locking snap hook	Locking snap hook	–	8 ft
226WRS-Z7/3FTYL	Polyester webbing	Locking snap hook	Locking rebar hook	–	3 ft
226WRS-Z7/4FTYL	Polyester webbing	Locking snap hook	Locking rebar hook	–	4 ft
226WRS-Z7/6FTYL	Polyester webbing	Locking snap hook	Locking rebar hook	–	6 ft
226WRS-Z7/8FTYL	Polyester webbing	Locking snap hook	Locking rebar hook	–	8 ft
300L-Z7/10FTBL	Polyester/polypropylene blend	Locking snap hook	Web loop	–	10 ft
8928-Z7/18INBK	D-ring extension	–	–	–	–

Locking snap hook 3/4-in gate opening, Locking rebar hook 2-1/2-in gate opening. All connectors include 3,600 lb gate-strength.

CONNECTING DEVICES

POSITIONING/RESTRAINT LANYARDS

MILLER HP POSITIONING AND ASSEMBLIES

SKU	Description
6756RS-Z7	Rebar chain assembly with locking rebar hook, attached swivel, and two locking snap hooks
6757WRS-Z7/35INGN	Rebar web assembly with locking rebar hook and two locking snap hooks, 35 in long
6757WRS-Z7/27INGN	Rebar web assembly with locking rebar hook and two locking snap hooks, 27 in long

Locking snap hook 3/4-in gate opening, Locking rebar hook 2-1/2-in gate opening.  
All connectors include 3,600 lb gate-strength.



6756RS-Z7



6757WRS-Z7/35INGN

TITAN II POSITIONING AND RESTRAINT LANYARDS

Rope and web lanyards recommended for “work positioning” and “restraint” only

SKU	Harness Material	Connection	Anchorage Connection	Length
T9111R-Z7/6FTWH	Rope, 5/8 in	Locking snap hook	Locking snap hook	6 ft
T9111W-Z7/4FTAF	Webbing	Locking snap hook	Locking snap hook	4 ft
T9111W-Z7/6FTAF	Webbing	Locking snap hook	Locking snap hook	6 ft
T9112W-Z7/6FTAF	Webbing	Locking snap hook	Large locking rebar hook	6 ft

Locking snap hook 3/4-in gate opening, Locking rebar hook 2-1/2-in gate opening.  
All connectors include 3,600 lb gate-strength.



T9111R-Z7/6FTWH



T9111W-Z7/6FTAF

ADJUSTABLE ROPE LANYARD

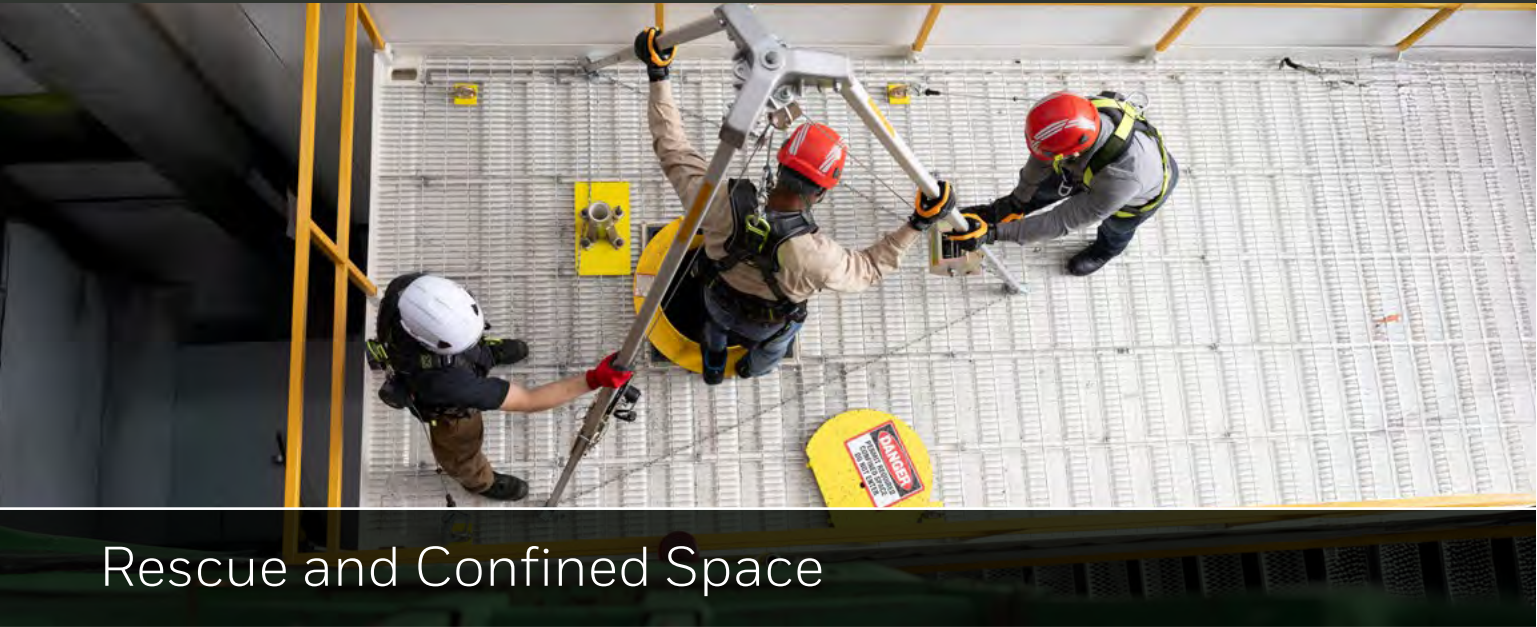
The Adjustable Rope Lanyard is designed for work positioning while transitioning around obstacles. It must not be used for fall protection.

SKU	Description
ARL-100-Z7/8FT	3/8-in polyamide kernmantle rope, 8 ft



ARL-100-Z7/8FT





# Rescue and Confined Space

D

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MILLER DESCENT/

## RESCUE AND CONFINED SPACE

### MILLER DURAHOIST™ Portable Confined Space Systems

#### COMPLETE FOUR-PIECE HOIST/WINCH SYSTEMS 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 to 100 in
- 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



DH-1/      DH-2/ + MME-GCB1-02/50FT + DH-19-MILLER/

SKU	Description	Weight
DH-1/	Four-piece system includes 8442-Z7/65FT ManHandler® hoist/winch w/65-ft galvanized steel cable, DH-3 one-piece adjustable mast, DH-4 three-piece portable base, DH-19-MILLER/Complete Mounting Bracket Assembly	133.5 lb
DH-2/	Four-piece system without ManHandler hoist/winch	91 lb

For your rescue, retractable MightEvac® unit see page 97.



Picture displays all these SKUs: DH-AP-3/ + DH-7SS/ + MME-GCB1-02/50FT



MILLER DESCENT/

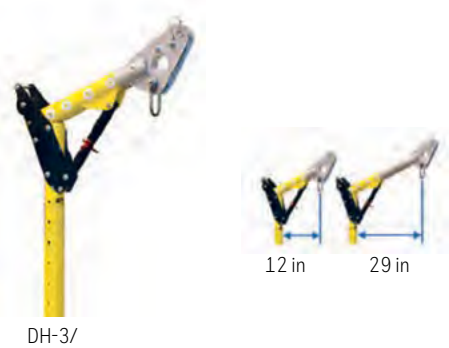
RESCUE AND CONFINED SPACE

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
DH-21/	12-in to 29-in adjustable offset upper mast	23 lb
DH-23	30-in to 48-in adjustable offset upper mast	29 lb
DH-22/21	21-in lower mast extension	14 lb
DH-22/33	33-in lower mast extension	17 lb
DH-22/45	45-in lower mast extension	20 lb
DH-22/57	57-in lower mast extension	23 lb

One-Piece Adjustable Mast



- Compatible with any one lower mast extension
- Overall mast height adjusts from 74 in to 89 in
- Mast offset adjusts from 12 in to 29 in

Two-Piece Upper Mast



Two-piece upper mast is compatible with any two lower mast extensions, **not exceeding a combined 90 in** in height for the DH-21/ or 78 in for the DH-23

Lower Mast Extensions



Extensions provide the flexibility to change overall mast height from 41 in to 146 in



MILLER DESCENT/

RESCUE AND CONFINED SPACE

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.

SKU	Description
DH-4/	3 pieces base compatible with DH-3/ and DH-21 upper mast
DH-24	3 pieces base compatible with DH-23/ upper mast

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.

SKU	Description
DH-11/19.5	19.5 in Manhole Collar for use with 20-in to 22-in diameter opening
DH-11/21.5	21.5 in Manhole Collar for use with 22-in to 24-in diameter opening
DH-11/23.5	23.5 in Manhole Collar for use with 24-in to 26-in diameter opening
DH-11/25.5	25.5 in Manhole Collar for use with 26-in to 28-in diameter opening
DH-11/27.5	27.5 in Manhole Collar for use with 28-in to 30-in diameter opening

ADJUSTABLE BARREL MOUNT SLEEVE

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

SKU	Description
DH-6/	Accommodates wall thicknesses up to a max. of 24 in

FLOOR MOUNT SLEEVE

Mounts to horizontal concrete or steel structures. **Fasteners not included.**

SKU	Description
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. **Fasteners not included.**

SKU	Description
DH-8ZP/	Zinc-plated, mild steel
DH-8SS/	Stainless steel



MILLER DESCENT/

RESCUE AND CONFINED SPACE

CORE MOUNT SLEEVE

Designed for slip-in installation into a 4 in diameter core hole in concrete or in an existing steel structure.

SKU	Description
DH-9ZP/	Zinc-plated, mild steel
DH-9SS/	Stainless steel

BARREL MOUNT SLEEVE

Eight independent clamping screws allow temporary installations over edges of shoring cans, walls, and other structures.

SKU	Description
DH-5/	Accommodates wall thicknesses from 1/2 in up to a maximum of 3-1/2 in

FLUSH FLOOR MOUNT SLEEVE

Eliminates the potential trip hazard presented by other floor mount sleeves. Installs into a 4-in diameter core hole in concrete or in an existing steel structure. **Fasteners not included.**

SKU	Description
DH-20ZP/	Zinc-plated, mild steel
DH-20SS/	Stainless steel
DH-10SS/	Stainless steel sleeve cap for mount sleeve
DH-10ZP/	Zinc-plated sleeve cap for mount sleeve

VEHICLE HITCH MOUNT SLEEVE

Designed to install into a 2-in receiver on an attendant vehicle to provide a portable anchor point for confined space entry/retrieval, rescue, and fall arrest applications.

SKU	Description
DH-12/	Vehicle hitch base kit for use with DH-3/ and DH-21 upper mast
DH-25	Vehicle hitch base kit for use with DH-23/ upper mast
DH-13/	Sleeve extension 2 ft
DH-13/4FT	Sleeve extension 4 ft
DH-14/	Multi-directional bumper receiver
DH-15/	Pintle hitch adapter
DH-16/	Ball hitch adapter 2 in
DH-17/	Single direction bumper receiver



MILLER DESCENT/

RESCUE AND CONFINED SPACE

ACCESSORIES

SKU	Description	Weight
DH-18/	Equipment Cart for DuraHoist Four-Piece Hoist System (DH-1/, DH-2/)	40 lb
DH-4WK/	Wheel Kit (two wheels) for the DuraHoist Three-Piece Base (DH-4/)	30 lb

HOISTS/WINCHES AND MOUNTING BRACKETS FOR DURAHOIST SERIES

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 Confinement Space System.

SKU	Description
DH-19-MILLER/	Complete mounting bracket assembly required to mount MightEvac and ManHandler Winch to listed davit DH-3/, DH-21/ & DH-23/
DH-19/	Winch mount bracket
DH-AB-MILLER/	Adapter bracket for Miller MightEvac SRL (Requires a DH-19/ Bracket)





MILLER DESCENT/  
RESCUE AND CONFINED SPACE

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).

APPLICATIONS

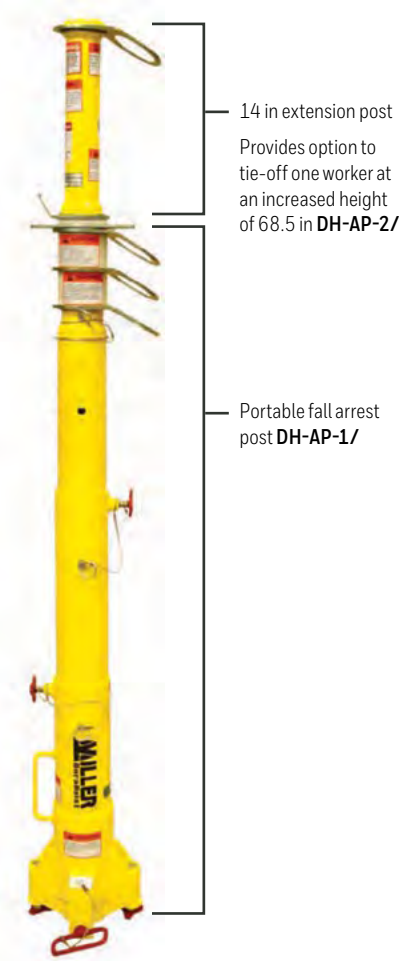
Electrical transformers, leading edge deck work, confined space and rescue, industrial presses, bridge cranes, large cranes, and limited horizontal lifeline applications.

- 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
DH-AP-2/	14-in extension post	4.5 lb



Telescoping design allows overall height to be adjusted in three stages from 32.75 in to 57.25 in



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 lb



Picture displays all these SKUs: DH-AP-9/ + DH-AP-1/ + DH-AP-2/ + DH-AP-3/ DH-AP-11/ + 8442-Z7/65FT



Picture displays all these SKUs: DH-AP-1/ + DH-AP-2/ + DH-AP-3/ + DH-AP-11/ + MME-GCB1-02/50FT



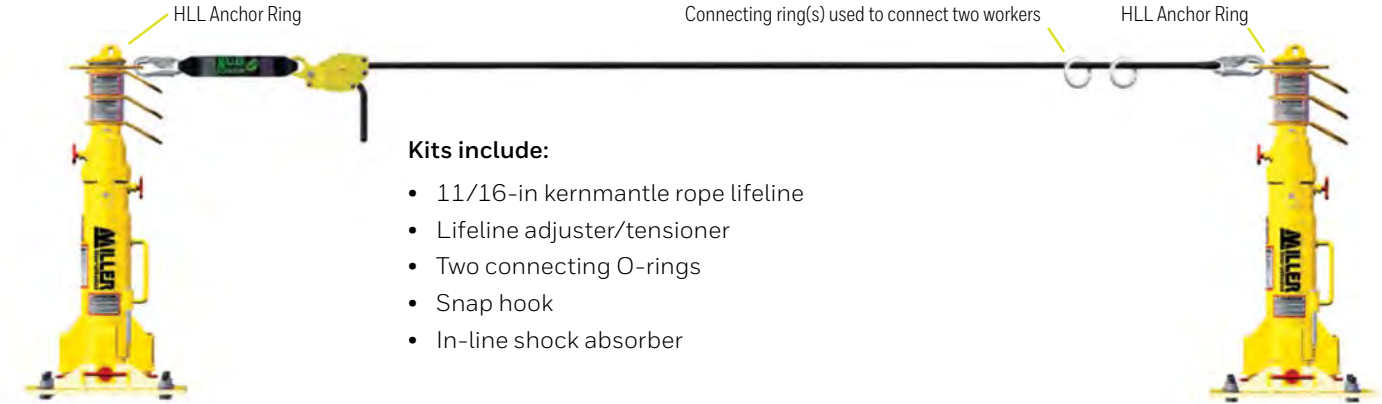
Picture displays all these SKUs: DH-AP-1/ + DH-AP-2/ + DH-AP-9/

MILLER DESCENT/  
RESCUE AND CONFINED SPACE

MILLER TECHLINE SYSTEM  
Temporary Horizontal Lifeline (HLL) System Kits

Miller HLL Kits offer continuous fall protection for the length of the lifeline when used in conjunction with the Miller DuraHoist Fall Arrest Post (post sold separately DH-AP-1/). Ideal for applications where an overhead anchorage does not exist.

SKU	Lifeline Material	Maximum Span	No. of O-rings	No. of Workers
HLLR2-L/30FT	Static kernmantle rope	30 ft	2	2 workers
HLLR2-L/60FT	Static kernmantle rope	60 ft	2	2 workers
SGLLK/30FT	Galvanized cable	30 ft	0	2 workers
SGLLK/60FT	Galvanized cable	60 ft	0	2 workers



Kits include:

- 11/16-in kernmantle rope lifeline
- Lifeline adjuster/tensioner
- Two connecting O-rings
- Snap hook
- In-line shock absorber

MILLER DURAHOIST  
Anchor Base and Anchor Plates

SKU	Description
Portable I-beam Anchor Base	
DH-AP-9/	Attaches to steel I-beams, between 6 in to 14 in wide. Flange thickness 1/4 in to 1 in
Bolt-on Anchor Plate	
DH-AP-12/	For use in concrete or steel applications (portable or permanent)



DH-AP-9/



DH-AP-12/



MILLER DESCENT/

RESCUE AND CONFINED SPACE

FIXED WELD-ON ANCHOR PLATE

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.

SKU	Description
DH-AP-4/	Plate w/tie-off anchor
DH-AP-5/	Standard plate
DH-AP-6/	Plate for inclined surfaces w/tie-off anchor
DH-AP-7/	Plate for inclined surfaces



MILLER HOISTS/WINCHES AND BRACKETS FOR DH-AP SERIES

SKU	Description
DH-AP-11/	Complete assembly of Adapter Plate (DH-AP-10/) and Bracket (DH-AB-MILLER/) for mounting ManHandler Hoist/Winch or MightEvac SRL
DH-AB-DBI/30	Adapter bracket for DBI winch 30 degrees
DH-AB-DBI/	Adapter bracket for DBI winch
DH-AP-8/	Flat quick mount bracket
DH-AP-10/	Adapter plate for mounting DH-AB-Miller/ to DH-AP-3/



MILLER DESCENT/

RESCUE AND CONFINED SPACE

MILLER MANHANDLER

Hoist/Winch

The Miller ManHandler Hoist/Winch is the perfect solution for a range of applications including confined space entry, rescue, positioning, and personnel/material handling.

**A secondary fall arrest system is recommended for fall protection.**

- Compact, durable steel construction and smooth, controlled winding action
- Effortless lifting and lowering with 5:1 gear ratio
- Anti-backlash crank handle braking system prevents freewheeling
- Built-in mounting bracket and 350 lb working capacity

SKU	Description
Lifeline Galvanized Steel	
8442-Z7/65FT	ManHandler Winch 65 ft with integrated tripod bracket, pulley & carabiner
8442-Z7/100FT	ManHandler Winch 100 ft with integrated tripod bracket, pulley & carabiner
8442GC-Z7/65FT	ManHandler Winch 65 ft with integrated tripod bracket, pulley & carabiner/ tripod 7 ft
8442GX-Z7/65FT	ManHandler Winch 65 ft with integrated tripod bracket, pulley & carabiner/ tripod 9 ft
Lifeline Stainless Steel	
8442SS-Z7/65FT	ManHandler Winch 65 ft with integrated tripod bracket, pulley & carabiner
8442SS-Z7/100FT	ManHandler Winch 100 ft with integrated tripod bracket, pulley & carabiner
SKU	Description
Lifeline Galvanized Steel	
8440-Z7/60FTBR	Material Winch 60 ft with integrated tripod bracket, pulley & carabiner
8441-Z7/88FT	Material Winch 88 ft with integrated tripod bracket, pulley & carabiner
Lifeline Stainless Steel	
8440-SS-Z7/	Material Winch 60 ft with integrated tripod bracket, pulley & carabiner

MILLER TRIPOD

The versatile, lightweight Miller Tripod is designed for typical confined space and rescue applications.

- High-strength aluminum construction
- Withstands up to 5,000 lb of vertical pull
- Adjustable legs with integral push pins, locking feature holds legs securely in place
- Safety chain and tripod feet with rubber skid pads and serrated edge prevent slippage in icy conditions

SKU	Description
51/7FT	7-ft high-strength aluminum Tripod
51X/9FT	9-ft high-strength aluminum Tripod
SKU	Description
8836/	Wall mounted bracket
9054EV/	MightEvac bracket for 50 ft units
9066EV/	MightEvac bracket for 100 & 130 ft units
6780080/1	Mounted bracket kit hardware
9025/	Push pin with key ring



8442-Z7/65FT



Miller Tripod

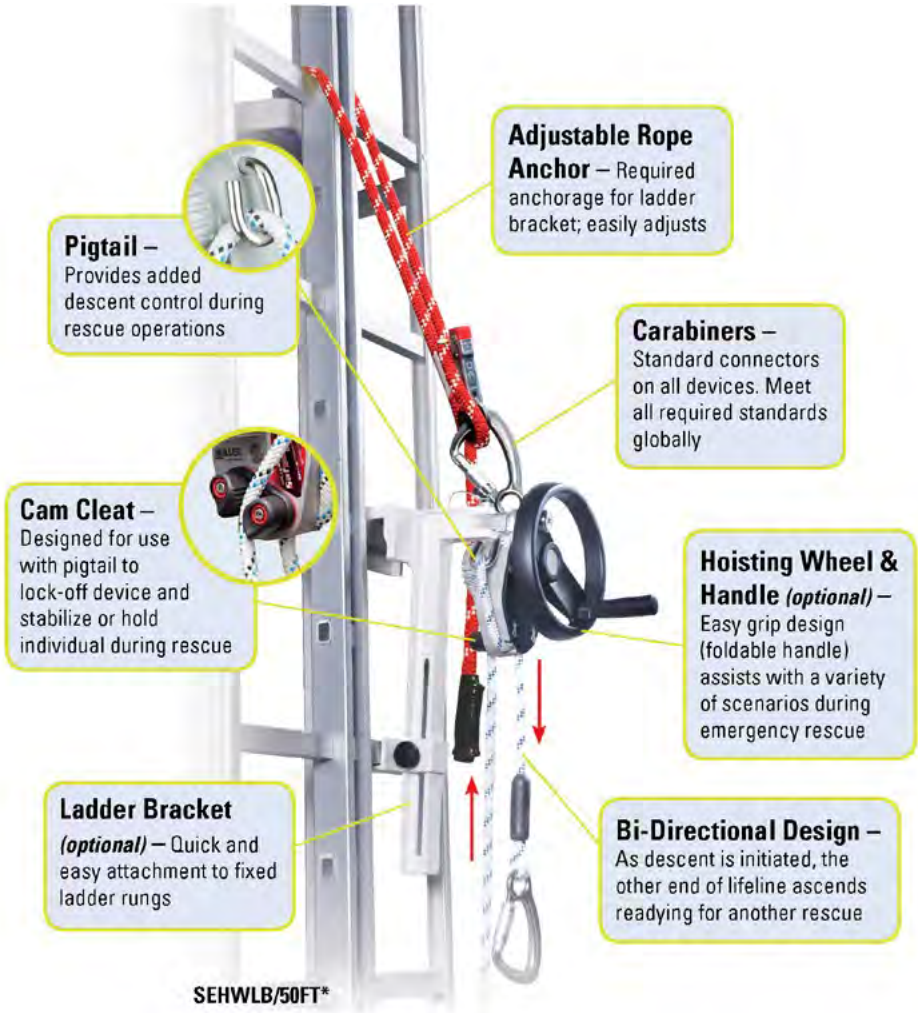


MILLER DESCENT/  
RESCUE AND CONFINED SPACE

MILLER SAFESCAPE™ ELITE  
Rescue/Descent Device (RDD)

The Miller SafEscape ELITE RDD is the next-generation global solution for rescue/descent that meets all applicable safety standards throughout the world, lowers cost of ownership, enhances safety, and is easy to use.

- Meets all applicable safety standards globally
- No annual factory recertification
- User-rated for up to two (2) workers
- Approved for multiple descents
- Bi-directional design
- Up to 1,640 ft lifeline descent capacity
- Lightweight and compact design
- Optional hoisting wheel and/or ladder bracket available
- Convenient kit options available



MILLER DESCENT/  
RESCUE AND CONFINED SPACE

BASIC MODELS

SKU	Description
SE/50FT	Miller SafEscape ELITE RDD – also includes anchor slings & rescue bag
SE/75FT	Miller SafEscape ELITE RDD – also includes anchor slings & rescue bag
SE/100FT	Miller SafEscape ELITE RDD – also includes anchor slings & rescue bag
SE/150FT	Miller SafEscape ELITE RDD – also includes anchor slings & rescue bag
SECRKT/50FT	Miller SafEscape Elite crane rescue
SECRKT/300FT	Miller SafEscape Elite crane rescue

BASIC MODEL WITH HOISTING WHEEL

SKU	Description
SEHW/75FT	Miller SafEscape ELITE RDD w/hoisting wheel – also includes anchor slings & rescue bag
SEHW/100FT	Miller SafEscape ELITE RDD w/hoisting wheel – also includes anchor slings & rescue bag
SEHW/150FT	Miller SafEscape ELITE RDD w/hoisting wheel – also includes anchor slings & rescue bag
SEHW/300FT	Miller SafEscape ELITE RDD w/hoisting wheel – also includes anchor slings & rescue bag

BASIC MODEL WITH HOISTING WHEEL AND LADDER BRACKET

SKU	Description
SEHWLB/75FT	Miller SafEscape ELITE RDD w/hoisting wheel & ladder bracket – also includes anchor slings, adjustable rope anchor & rescue bag
SEHWLB/100FT	Miller SafEscape ELITE RDD w/hoisting wheel & ladder bracket – also includes anchor slings, adjustable rope anchor & rescue bag
SEHWLB/300FT	Miller SafEscape ELITE RDD w/hoisting wheel & ladder bracket – also includes anchor slings, adjustable rope anchor & rescue bag

WIND ENERGY KIT

SKU	Description
SEWPKT/75FT	Kit includes Miller SafEscape ELITE RDD with hoisting wheel and ladder bracket, T-bar, edge protector, 3 anchor slings, 3 carabiners, pulley, adjustable rope anchor, rescue rope grab, accessory bag and kit bag

ACCESSORIES

SKU	Description
SE-LB/	Ladder bracket & adapter
SE-AS/4.0FT	Anchor sling, 4 ft
SE-AS/2.0FT	Anchor sling, 2-1/2 ft
SE-ARA/	Adjustable rope anchor
SE-RG/	Rescue rope grab
SE-EP/	Edge protector
SE-TB/	T-bar
SE-P/	Pulley, aluminum
SE-BAG/M	Wind energy kit rescue bag fits 50 ft to 200 ft lifeline
SE-BAG/L	Wind energy kit rescue bag fits 200 ft lifeline
17D-1/	Galvanized steel carabiner
8185/6FTGN	Looped cross-arm strap anchorage connector



SE/75FT



SECRKT/50FT



SEHW/75FT



SEHWLB/75FT



SEWPKT/75FT

MILLER DESCENT/

RESCUE AND CONFINED SPACE

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
- Quickly raise or lower a fallen worker to safety
- Simplified rescue systems

PREMIUM QUICKPICK RESCUE KITS

- Best choice for users whose job does not normally include rescue
- Includes a backup braking system to prevent uncontrolled descent
- Highly efficient hauling system with a 5:1 lifting ratio, making heavier loads easier to lift
- Complies with OSHA and ANSI Z359-4-2013 for assisted rescue and self-rescue systems
- Complies with OSHA and rated for up to a 400 lb 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 Z359.4-2013 for assisted rescue and self-rescue systems
- Complies with OSHA and rated for up to a 310 lb user

**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

SKU	New Product Name
QP/25FT	25-ft working length system
QP/50FT	50-ft working length system
QP/75FT	75-ft working length system
QP/100FT	100-ft working length system

**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

SKU	New Product Name
QP-1/25FT	25-ft working length system
QP-1/50FT	50-ft working length system
QP-1/100FT	100-ft working length system

Components

SKU	New Product Name
QP-EP	12-ft rescue pole with carabiner clip, carabiner, pigtail, Miller WristBandit tool lanyard and bag
QP-SC	Replacement carabiner clip
QP-RHA	Rope control handle
17D-1	Carabiner
8185/6FTGN	Looped cross-arm strap anchorage connector



MILLER DESCENT/

RESCUE AND CONFINED SPACE

MILLER UNIVERSAL RESCUE SYSTEM

The Miller Universal Rescue System (Series 70) is a lightweight, compact, versatile access and retrieval rope system. Simple, one-person operation, the rope control handle allows the user to easily ascend and descend the rope line.

- Aluminum head assembly with roller pulley
- Kernmantle rope with a tensile strength of 5,600 lb and high-temperature resistance to 360° F
- Rope control handle with friction locking device and permanently attached Manyard shock-absorbing lanyard
- Convenient carrying bag and two (2) carabiners
- ANSI Z359.4-2013

SKU	Description
70-100/100FT	Series 70 system with 25-ft working length
70-200/200FT	Series 70 system with 50-ft working length
70-C/	Rope control handle with attached Miller lanyard
6004NS/YL	Bos'n Chair
17D-1/	Carabiner
8185/6FTGN	Looped cross-arm strap anchorage connector

MILLER MANUAL DESCENT DEVICE

The Miller Manual Descent Device is designed for a variety of applications where smooth, controlled descent from an elevated position is required. The device, controlled by the user, allows for making descent fast or slow, decelerating and stopping by applying slight outward pressure on the free end of the line and locking in a stationary position for a hands-free work environment.

SKU	Description
8113/*	Descent device unit
8195/75FTWH	75-ft polyester-braided descent rope
8195/100FTWH	100-ft polyester-braided descent rope
8195/150FTWH	150-ft polyester-braided descent rope

MILLER RESCUE LADDER

The Miller Rescue Ladder is a portable nylon web ladder designed and intended to assist with self-rescue for applications such as aerial lifts, bucket trucks, and elevated work surfaces. In the event of a fall, the user releases the ladder by pulling on the drawstring and then climbs back to the work surface.

SKU	Description
9058/15FTBK	Portable 15-ft nylon web ladder
9058/25FTBK	Portable 25-ft nylon web ladder
9058/30FTBK	Portable 30-ft nylon web ladder

\*8113/ Descent Device Unit must be ordered with 8195/ polyester braided rope







Engineered Solutions

E

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ENGINEERED SOLUTIONS

MILLER ENGINEERED SOLUTIONS

Since 1989, Miller Engineered Solutions has been dedicated to the design, material sourcing and installation of custom-engineered fall protection systems. Our network of installer partners and qualified in-house personnel can perform the work you need – from design and engineering, to final field commissioning – all in accordance with federal and local codes and regulations.

Our experienced team can provide whatever your project requires – from comprehensive, turn-key services, to specifications, design, or installation assistance. We provide you with solutions based on your specific site conditions, work process, and budget.

The result is a safer environment that enables you to:

- Reduce risks
- Maintain or lower insurance premiums
- Control worker compensation claims
- Comply with regulations

OUR SERVICES

SITE SURVEY FALL HAZARD ASSESSMENT

Miller Engineered Solutions uses a consultative approach to identify the safety hazards associated with fall exposures.

DESIGN

We offer complete engineering, drafting, and design services, working in concert with your team to ensure all your needs and requirements are met.

SUPPLY OF SYSTEM COMPONENTS

We supply all system components, PPE, and custom fabrications, designed specifically for system attachment to existing or designed structures.

Contact the Miller Engineered Solutions team for assistance with engineered systems at [MESservices@PIPGlobal.com](mailto:MESservices@PIPGlobal.com)



ENGINEERED SOLUTIONS

HORIZONTAL LIFELINE (HLL) SYSTEMS

XENON

HORIZONTAL LIFELINE

Whether it's along a rooftop, inside an arena, or high atop a suspension bridge, the Xenon Permanent Horizontal Lifeline System provides fall protection for a variety of configurations: straight or curved system. A uniquely-designed shuttle connector bypasses intermediate supports without disconnecting from the lifeline, increasing mobility and promoting worker safety.

Because of its versatility, simplicity, and minimal maintenance, a Xenon System is the perfect solution for engineers, architects, and contractors to provide secure safety access on new buildings, industrial sites, railcars, pipe racks, arenas, bridges, etc.

- **Easy installation** — either in-house maintenance personnel under the supervision of an installation technician, or by a certified Xenon installer
- Stainless steel components withstand harsh environments

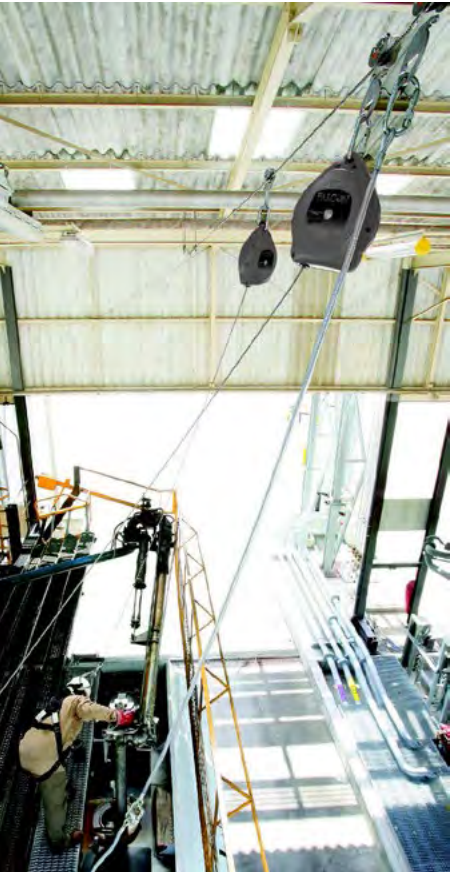


MILLER SHOCKFUSION

The Miller ShockFusion Horizontal Lifeline (HLL) System minimizes deflection in the lifeline 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 attach to roof framing structure, making installation quick and easy while reducing labor costs.

For ShockFusion Horizontal Lifeline Custom Engineered Systems requiring corners, installation, and engineering, contact Miller Engineered Solutions.





ENGINEERED SOLUTIONS

HORIZONTAL LIFELINE (HLL) SYSTEMS

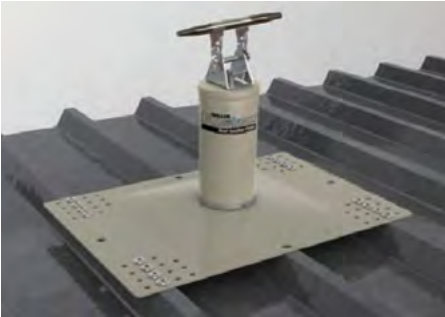
- **Significantly reduces system forces on the roof** – In the event of a fall, the energy-absorbing, load distribution design ensures a secure connection to the roof while protecting the underlying structure.
- **Protects multiple workers while providing maximum mobility** – The continuous pass-through design provides safe access to roof areas or multiple workers per system.
- **Durable design withstands the changing outdoor environment** – Internal components are constructed of stainless steel for greater corrosion-resistance and extended service life. The base plate is zinc-plated and premium powder coated for increased durability.

ADAPTS TO A VARIETY OF ROOF STRUCTURES



Standing Seam

- Aluminum clamping mechanism is designed to pre-install to the base plate and is self-centering for easy installation
- The clamping bolts are tightened from above the plate for easy fastening and inspection
- Three models are available to accommodate standing seam



Metal Sheathing

- Designed to attach to metal sheathing with a minimum 24 gauge 0.024 in thickness
- Hardware kit includes sealing materials to prevent water damage to roof



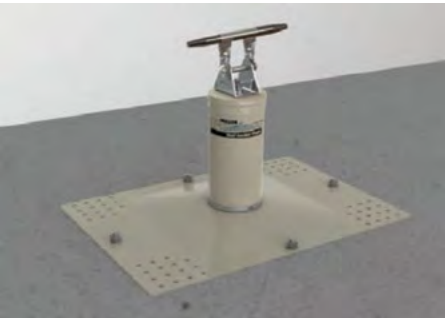
Membrane/Built-up

- Easy-to-install toggle kit fastens through membrane, insulation, and into metal sheathing, wood sheathing, or concrete
- Models available for built-up roof thicknesses accommodate up to 10-1/2 in



Wood

- Includes lag screw kit
- Installs into plywood with minimum thickness of 5/8-in CDX



Concrete Decking

- Includes concrete expansion anchor kit
- Installs into concrete decking with minimum thickness of 6-1/2 in and minimum concrete compressive strength of 3000 PSI

ENGINEERED SOLUTIONS

GUARDRAIL SAFETY SYSTEMS

FREE STANDING GUARDRAIL SYSTEMS

Fall protection that protects your investment while complying with OSHA regulations. Weighted guardrail systems do not require drilling into roofs or floors – allowing for quick and easy installation or reconfiguration. A positive locking system secures the rails to the base. Toe board adapters and base-mover cart (dolly) are available. Made in America.

Designed for both temporary and permanent use.

Railing Types Available

- Factory welded, modular rails
- Non-welded, pipe and fittings assembly

APPLICATIONS

- Fall protection
- Roof access points
- Skylight protection
- Outside docks/platforms
- Conveyor protection
- Barricading and pedestrian walkways

FREE STANDING HATCH-GUARD SYSTEMS

Fall protection that mitigates risk and promotes ease of access to rooftops, while complying with OSHA regulations. Hatch-guards do not require drilling into the hatch curbing or flashing – allowing for quick and sturdy installation. Grab handles, self-closing gate, and roof landing zone are standard features. Available in powder-coated safety yellow or hot-dipped galvanized finish. Made in America.

Standard sizes available for both stair and ladder accessed hatches.



Free Standing Guardrail System



Free Standing Guardrail System



Free Standing Hatch-Guard System



ENGINEERED SOLUTIONS

RIGID RAIL SYSTEMS

The safest solution for virtually every environment. Featuring an open track design, exclusively engineered for easy movement, Truss 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. Made in America.

APPLICATIONS

- Rail yards
- Industrial sites
- Mines and quarries
- Barges and marine sites
- Aviation hangars
- Vehicles and machinery

SINGLE TRUSS RAIL 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. Standard reach distance of 14 ft and system height of 27 ft, supporting two workers at a time. Truss rail includes dual track for multi-user bypass capabilities.

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

TWIN TRUSS RAIL SYSTEM

This system provides twin truss rail fall protection coverage for those working side-by-side on top of vehicles or elevated machinery. The single foundation and twin truss rail design make this system ideal for multiple railroad track and truck applications. Standard reach distance of 14 ft and system height of 27 ft, supporting four workers at a time. Truss rail includes dual track for multi-user bypass capabilities.

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

MULTI-COLUMN TRUSS RAIL SYSTEMS

This system is modular and expandable to infinite lengths and heights. The foundation design and quantity of support columns is dependent upon the overall system length. The system is ideal for railroad applications. Truss rail includes dual track for multi-user bypass capabilities.

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



Single Truss Rail System



Twin Truss Rail System



Multi-Column Truss Rail System

ENGINEERED SOLUTIONS

GUARDRAIL SAFETY SYSTEMS

MODULAR CROSSOVER STAIR SYSTEMS

Modular crossover stair system allows workers to safely navigate over obstacles, roof elevation changes, or access elevated work environments. The system is designed for broad configurability, to solve the many needs of walking/working surfaces standards and requirements – while complying with OSHA regulations. Made in America.

Designed for freestanding or mechanically attached installation options.

APPLICATIONS

- Fall protection
- Rooftops – commercial, manufacturing, retail
- Industrial sites
- Wastewater treatment plants
- Conveyor/fulfillment distribution centers
- Elevated work access

SELF-CLOSING GATES

Self-closing gates add an additional level of safety. For interior or exterior applications, self-closing gates are an OSHA-compliant solution for securing walking/working surfaces and creating a controlled entry and exit point for work areas or ladders. Available in powder-coated safety yellow or hot-dipped galvanized finish. Made in America.

All gates have adjustable widths and can be mounted to round posts, square posts, flat ladder stringers, doorways, and walls.



Modular Crossover Stair System



Self-Closing Gates

Contact the Miller Engineered Solutions team for assistance with engineered systems at [MESservices@PIPGlobal.com](mailto:MESservices@PIPGlobal.com)





Training Solutions

F

Comprehensive Training Solutions.....

Virtual Instructor-Led Training.....

Online, On-Demand Training .....

On-Site Training.....

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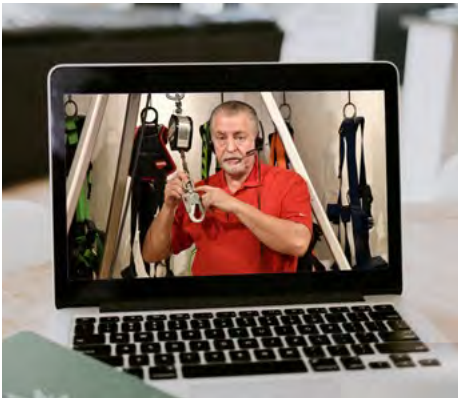
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TRAINING SOLUTIONS

WORLD LEADERS

A WORLD LEADER IN CREATING COMPREHENSIVE APPROACHES FOR SAFETY TRAINING SOLUTIONS

As a recognized leader in worker safety training, Miller offers comprehensive behavior-based safety training, taught by certified, knowledgeable industry experts.

DISCOVER WHAT IS BEST FOR YOUR EMPLOYEES, COMPANY OR SITE NEEDS

Choose from a vast selection of courses taught in various formats including in-person, virtual, or online.

TRAINING OPTIONS TO MEET YOUR SPECIFIC NEEDS

- Learn to comply with regulatory compliances such as OSHA, ANSI, and CSA
- On-site programs, online resources and hands-on experience
- State-of-the-art training facility in Pasadena, TX



Online training on-demand at your pace



Virtual "live" instructor led



On-site at your location



Classroom instructor led (quoted only)



Customized courses to meet your company's needs



Train-the-trainer courses for experienced end-users



Fall protection inspection service solutions



Confined space entry, rescue and train-the-trainer

TRAINING SOLUTIONS

VIRTUAL INSTRUCTOR-LED TRAINING



VIRTUAL TRAINING COURSES TAKE PLACE WITH A LIVE MILLER INSTRUCTOR THROUGH AN ONLINE PLATFORM VIA VIDEO CONFERENCE

A direct link to the virtual room is sent after registration. Miller virtual classes have limited seats to keep the personal interaction between students and the instructor. Private sessions are also available for a per person quote.

VIRTUAL BENEFITS

SHOP NOW



COURSES OFFERED

- Fall Protection Qualified Person
- Fall Protection Qualified Person Refresher
- Fall Protection Qualified Inspector
- Fall Protection Qualified Person/Inspector Combo
- Fall Protection Train the Trainer
- Fall Protection Train the Trainer Refresher



Check out our AR Technology Simulators

We continually update and add to our offering. Check our website for the most up-to-date course listing.





TRAINING SOLUTIONS

ONLINE, ON-DEMAND TRAINING



GAIN COMPLIANCE IN  
THE COMFORT OF  
YOUR HOME

Online Training courses are offered 24-7 and allow you to train at your own pace. A direct link is sent separately after registration. Courses are taken in our Learning Management System (LMS), where your profile is automatically generated.

SHOP NOW



COURSES OFFERED

- Fall Protection Awareness/User
- Basic Fall Protection Orientation (ABCs of Fall Protection)
- Introduction to Confined Space & Confined Space Rescue
- Ladder Safety Awareness
- Various Product-Specific Fundamentals
- Qualified Person Refresher\*

\*Canadian specific course

We continually update and add to our offering. Check our website for the most up-to-date course listing.



TRAINING SOLUTIONS

ON-SITE TRAINING

DISCOVER THE BEST ON-SITE  
TRAINING SOLUTION  
FOR YOUR EMPLOYEES

Customized training sessions can be scheduled at your facility, or at one of our Miller Training Centers. Miller Training provides all equipment and materials necessary to conduct the training. Our experienced instructors are trained subject matter experts educated on all regulatory compliances and ready to go the extra mile.

REQUEST A QUOTE



TYPES OF ON-SITE TRAINING

- Customized to meet your exact needs
- Product training with hands-on application
- Fall Protection Qualified Person, Qualified Inspector and Train the Trainer
- Various Fall Protection Refresher Courses
- BCCSA Fall Protection

IF YOU DON'T SEE A COURSE  
HERE THAT FITS YOUR  
APPLICATION, REQUEST A  
QUOTE AND WE'LL DEVELOP  
ONE THAT DOES.





TRAINING SOLUTIONS

FALL PROTECTION TRAINING BENEFITS



VIRTUAL TRAINING BENEFITS

- Live instructor led training via video conference
- Train in the convenience of your home or in a safe conference space
- Save on travel and other expenses
- Course time-zone choices based off your location
- Downloadable certificates immediately available following successful completion of class



ONLINE TRAINING BENEFITS

- Save on travel and other expenses
- Learn at your own pace
- Train in the convenience of your home or in a safe conference space
- Available 24-7
- Pause and pick up where you left off or take the training in one setting
- Downloadable certificates (when applicable) are immediately available following successful completion of course



ON-SITE TRAINING BENEFITS

- Customized courses to meet your company or site needs
- Designed to fit your schedule
- Held at your location (no travel, keeping employees on-site)
- Option to hold custom or site specific courses at a Miller location
- Ability to provide on-site safety assessments
- Private class that is closed to the public
- Equipment inspection services available

IN-PERSON / CLASSROOM TRAINING BENEFITS

- Select from a variety of safety courses located throughout the U.S.
- Mind share with other students from various backgrounds and industries
- Free parking, close hotel accommodation, and catered lunch (parking & hotels vary by location, all classes include catered lunch)
- 10,000 square foot air conditioned training gym with industry specific safety simulators (Pasadena, TX)
- Hands-on, instructor led

BOOK ONLINE

TRAINING SOLUTIONS

FALL PROTECTION

FALL PROTECTION  
SITE ASSESSMENTS

In addition to customized training, we offer Fall Protection Site Assessments, also called Hazard Assessments. These are essential to worksite safety. Site Assessments proactively identify fall hazards, and ensures that workers can confidently perform their tasks, knowing that their safety is a top priority.

Our instructors complete a full site walk-through, identifying any existing or potential fall hazards, followed by a written plan of action including photo documentation.

REQUEST A QUOTE



FALL PROTECTION  
EQUIPMENT INSPECTION

Additionally, when you partner with us for your annual equipment inspections, we give you the peace of mind that you are meeting and exceeding compliance, reducing costs, increasing worker safety, and saving valuable time for your safety manager and employees.

We can conduct this service on-site at your location, or you can send an employee to one of our trainings to perform the inspections. We also offer combo savings when you do both.

LEARN MORE





MILLER FALL PROTECTION

GLOSSARY OF TERMS

**Activation Distance** – the vertical distance from the point of a fall until a fall arrester, such as an SRL, applies braking or stopping force. Activation distance is a component of arrest distance.

**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.

**ANSI** – American National Standards Institute, a non-profit organization that develops and supervises standards for products, services, and procedures across the United States.

**Arrest Distance** - the required vertical distance needed to arrest a fall. The total includes deceleration and activation distances.

**Arresting Force** – the force transmitted to the body when a fall is arrested. Also known as Fall Arrest Force.

**ASSP** – American Society of Safety Professionals, a US organization consisting of occupational safety and health professionals. ASSP manages development of the Z359 standard.

**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 shock-absorbing lanyard, fall limiter, selfretracting 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).

**Declaration of Conformity** – a manufacturer document that states a product conforms to an applicable standard.

**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.

**Energy Absorber** – an object that buffers a user from fall arrest forces.

**Fall Arrest** – an action that stops a free fall.

**Fall Indicator** – a safety device or warning flag which serves to let a user know that a shock-absorbing lanyard, harness or self-retracting lifeline has been involved in a fall and should be removed from service.

**Fall Limiter** – a self-retracting lifeline/lanyard with a quick-activating braking system that limits a free fall. (Ex.: Miller Scorpion™ and Miller TurboLite™) *Refer to Self-Retracting Lifeline/Lanyard.*

**Fall Protection** – a system or equipment that prevents or mitigates the effect of a fall.

**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.

**Leading Edge** – a working or walking surface with an unprotected edge that presents a fall hazard.

**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™)

**Positioning Device** - a body belt or harness that keeps an elevated user vertically supported while keeping his or her hands free. Limits free fall to 2 feet or less.

**Qualified Person** – an accredited professional in fall protection and rescue who can design, assess, or specify fall protection and rescue systems.

MILLER FALL PROTECTION

GLOSSARY OF TERMS

**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. (Ex.: Miller MightyLite™, Falcon™ and Black Rhino™ Self-Retracting Lifelines.) *Refer to Fall Limiter.*

**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.

**Snaphook** - a hook-shaped, self-closing, and self-locking connector that can secure onto, or release from, an object.

**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.

**SRD** – Self-Retracting Device, a device with a drum-wound line that locks when a user falls. An SRD dispenses and retracts its line during an attached user’s normal movement. The onset of a fall causes the device to lock the drum and arrest the fall. The term is often interchanged in the field with Self-Retracting Lifeline (SRL) and Personal Fall Limiter (PFL). Nicknames include “yo-yo” and “backpack.”

**SRL** – Self-Retracting Lifeline, a mechanical fall arrestor with a locking mechanism and energy absorber to arrests a fall and limits forces on the user. The term is often interchangeable with Self-Retracting Device (SRD) and Personal Fall Limiter (PFL).

**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 subpelvic 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, abrasion-resistant webbing designed to be used as the connecting device and anchorage connector with a specially-engineered snap hook able to withstand 22 kN (5,000 lb) (Ex.: Miller BackBiter® Tie- Back Lanyard.)

**Swing Fall** – a type of fall that occurs when someone falls from a point horizontal to a fixed anchorage. A person will move in a pendulum-like motion after the initial vertical fall.

**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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