

**Honeywell**



## **Canadian Fall Protection Catalogue 1.0**

Limitless Possibilities. Ask the Expert.



# LIMITLESS

— possibilities —

Ask the Expert.

Miller gives workers-at-height worldwide the freedom they need to perform their jobs efficiently and safely. We offer technologically advanced yet easy to work with solutions and support that you can rely on whatever your need, application or environment. Let us help you to push the boundaries of what you can achieve. The possibilities can be limitless - ask us how.

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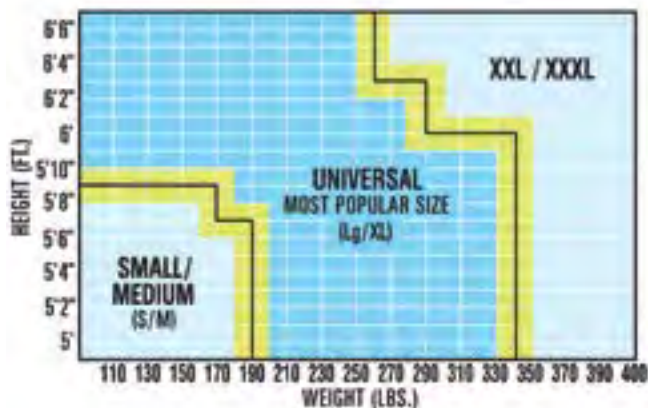
# Personal Fall Arrest System

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 Personal Fall Arrest System that becomes vitally important to safety on the job site.



Harness Sizing Chart



# Six Easy Steps That Could Save Your Life

## HOW TO DON A HARNESS:



Watch Video

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

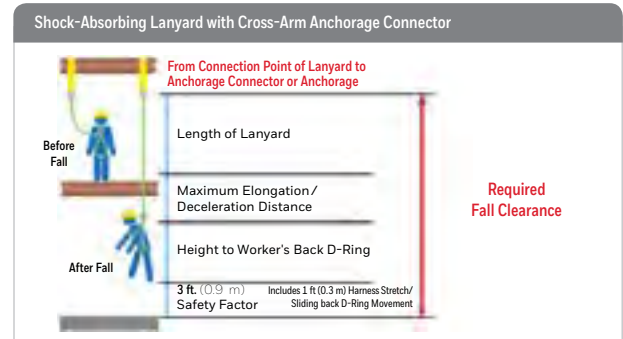
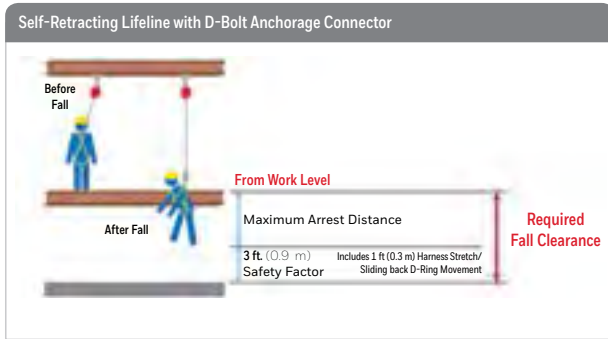


After all straps have been buckled, tighten all buckles so that harness fits snug but allows full range of movement. Pass excess strap through loop keepers.

# Good to Know

## Select The Proper Fall Protection Equipment

### SELF-RETRACTING LIFELINE OR SHOCK-ABSORBING LANYARD



### NEW! Miller Fall Clearance Calculator

The great tool you have been using online is NOW available as an app - making it possible to calculate your fall clearance on any mobile device.

- Real-time fall clearance results with animation
- Fall clearance calculations at your fingertips
- Lanyard and SRL calculations, including swing fall
- Ability to email results
- Multilingual support in English, Spanish and French with metric conversion
- Available for download on both Apple and Android devices

Toggle back and forth from Lanyard to SRL

Optimize Your Safety



Get Real-Time Results with Animation


It's never been easier to calculate your fall clearance!



hwll.co/MFCPlay



hwll.co/MFCApple

 No Device? No Problem!

Our Fall Clearance Calculator is still available online at:

[hwll.co/MFCWeb](http://hwll.co/MFCWeb)

Check out our other mobile apps:

[honeywellsafety.com/USA/mobilesafetytools](http://honeywellsafety.com/USA/mobilesafetytools)

# Inspection and Maintenance

## HARNES (AND BODY BELT) INSPECTION



### 1. Webbing

Grasp the webbing with your hands 6 inches (152mm) to 8 inches (203mm) 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.



### 2. 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.



### 3. Buckles

Inspect for any unusual wear, frayed or cut fibers, or broken stitching of the buckle attachments.



### 4. 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.



### 5. Friction and Mating Buckles

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.



### 6. 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.



### 7. Harness Fall Arrest Indicators

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.

## LANYARD INSPECTION



### 1A. 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.



### 1B. 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.



### 2. 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.



### 3. 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. Titan tubular lanyards must be measured to determine activation.



### 4. 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.



### 5. 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.

Watch inspection process here:



# Inspection and Maintenance

## SELF-RETRACTING LIFELINE INSPECTION



### 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 several feet of the lifeline and allow it 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.

Check the hardware as directed in 1A under Lanyard Inspection. The snap hook load indicator is located in the swivel of the snap hook. The swivel eye will elongate and expose a red area when subjected to fall arresting forces. Do not use the unit if the load impact indicator has been activated.



### 4. Snap Hook

Check the snap hook to be sure that it operates freely, locks, and the swivel operates smoothly. Inspect the snap hook for any signs of damage to the keepers and any bent, cracked, or distorted components.



### 5. Anchorage Connection

Make sure the carabiner is properly seated and in the locked position between the attachment swivel/point on the device and the anchor point.

## 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.

### 3. Housing

Equipment should dry thoroughly without close exposure to heat, steam or long periods of sunlight.





# A

## Anchorage Connectors and System Kits

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# Temporary Anchorage Connectors

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

## Miller Shadow®

### Sliding and Fixed Adjustable Beam Anchors

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

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



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

**MILLER SHOCK-ABSORBING WEB LANYARDS FOR USE WITH MILLER BEAM ANCHORS**

940WLS-Z7/6FTGN	Single leg, 6-ft. (1.8 m) shock-absorbing web lanyard w/Double SofStop pack, two locking snap hooks (designed for 12-ft. (3.7 m) fall – use w/beam anchors)
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## Miller Grip™

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

### Miller Grip™ Anchorage Connector

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

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



496/

### Miller Grip™ Friction Bolt Anchorage Connector

A portable/reusable anchorage connector, designed exclusively for use with a friction bolt. A safe anchor point for a single user is established when the Miller Grip Friction Bolt Anchor (SKU 494/) is inserted into a friction bolt with an outside diameter of 1-1/2 in. (39 mm).



494/

SKU	Hole Diameter	Description
<b>MILLER GRIP ANCHORAGE CONNECTOR</b>		
496/	3/4-in. (19 mm)	5,000-lb. (2,268 kg) ultimate strength; for single user connection; 400-lbs. (181 kg) maximum capacity
497/	1-in. (25 mm)	10,000-lb. (4,536 kg) ultimate strength; for single user connection; 400-lbs. (181 kg) maximum capacity
<b>MILLER GRIP FRICTION BOLT ANCHORAGE CONNECTOR</b>		
494/	1 1/2-in. (39 mm)	10,000 lbs. (4,536 kg) ultimate strength; for single user 400-lbs. (181 kg) maximum capacity

## Miller Swivel Anchors with 360° rotation

Revolutionary swivel design provides freedom of movement!

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

### Miller Swivel Anchors with D-ring

SKU	Description	Weight
<b>10,000 lb (10K) Swivel Hybrid Anchor</b>		
RACSWH100Y	10K Removable/reusable concrete anchor with swivel D-ring	2.1 lb (1.0 kg)
<b>10,000 lb (10K) Zinc-Plated Swivel Anchors</b>		
RACSWY100N	10K zinc-plated swivel only (hardware not included)	1.4 lb (0.6 kg)
RACSWY100S	10K zinc-plated swivel anchor with steel mounting hardware	1.9 lb (0.9 kg)
RACSWY100C	10K zinc-plated swivel anchor with concrete mounting hardware	2.1 lb (1.0 kg)
RACSWY1SBA	Steel mounting hardware only (swivel not included)	-
RACSWY1CSA	Concrete mounting hardware only (swivel not included)	-
RACSWP100N-KIT	Weld kit for RACSWY100N	2.3 lb (1.0 kg)
RACSWX100N	Steel back plate for RACSWY100N (bolt not included)	1.7 lb (0.8 kg)
<b>5,000 lb (5K) Stainless Steel Swivel Anchors</b>		
RACSW100N-316	5K stainless steel swivel only (hardware not included)	1.4 lb (0.6 kg)
RACSW100S-316	5K stainless steel swivel anchor with stainless steel mounting hardware	2.0 lb (0.9 kg)
RACSW100C-316	5K stainless steel swivel anchor with concrete mounting hardware. RACDNC-TOOL required (sold separately)	1.9 lb (0.9 kg)
RACSW1SBA-316	Stainless steel mounting hardware only (swivel not included)	-
RACSW1DNC-316	Concrete mounting hardware only (swivel not included)	-
RACDNC-TOOL	Concrete bolt assembly tool	0.7 lb (0.3 kg)
RACSWP100N-316	Weld kit for RACSW100N-316	3.7 lb (1.7 kg)
<b>5,000 lb (5K) Zinc-Plated Swivel Anchors</b>		
RACSWY050N	5K zinc-plated swivel only (hardware not included)	0.8 lb (0.4 kg)
RACSWY050S	5K zinc-plated swivel anchor with steel mounting hardware	1.1 lb (0.5 kg)
RACSWY050C	5K zinc-plated swivel anchor with concrete mounting hardware	1.2 lb (0.5 kg)
RACSWY2SBA	Steel mounting hardware only (swivel not included)	-
RACSWY2CSA	Concrete mounting only (swivel not included)	-

### Miller Drop-Through Swivel Anchors

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



RACSWH100Y



RACSWY100S



RACSW100S-316



RACSWY050S



RACDTA-5K6/6FT



Watch Video

# Temporary Anchorage Connectors



## Cross-Arm Anchorage Connectors

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

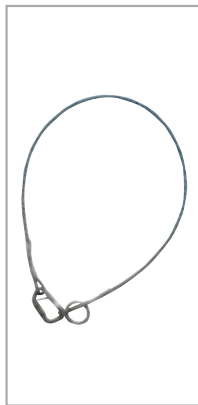
8183/3FTGN - 3-ft. (0.9 m) model  
8183/6FTGN - 6-ft. (1.8 m) model



## Looped Cross-Arm Anchorage Connectors

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

8185/3FTGN - 3-ft. (0.9 m) model  
8185/6FTGN - 6-ft. (1.8 m) model  
8185K/6FTBK - 6-ft. (1.8 m) Nomex/Kevlar model



## Cable Anchorage Connector

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

8187V/6FTV - 6-ft. cable with steel captive eye carabiner with 1-in. (25 mm) gate opening  
8186V-Z7/6FTV - 6-ft. cable with steel locking snap hook with 3/4" gate opening



## Cross-Arm Chain Anchor

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

440/6FT



## Disposable Concrete Anchor Strap

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

8185C/4FTGN - anchor strap with steel D-ring capable of withstanding 5,000 lbs. (22 kN).  
8185CX/4FTGN - anchor strap with web loop on each end with inner wear pad for carabiner attachment



## Rebar Hook Anchor

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

485-Z7/22INYLK

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

480-Z7/19INGN



## Push-Thru Eye Bolt Anchors

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

420/22IN; 310-lbs. (140.6 kg) maximum capacity.  
420NS/ (w/o shock absorber); 400-lbs. (181 kg)



## Wire Hook Anchor

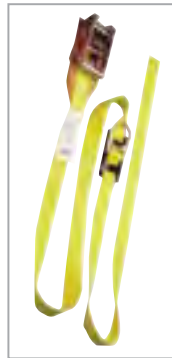
Stainless steel Wire Hook connects to various approved anchorages including railings, small I-beams, angle iron and scaffolding. Simply squeeze the spring-loaded hook and slip the large opening over the approved structure. 400-lbs. (181 kg) maximum capacity.

470/



**Aerial Lift Boom Strap**

Made of 2-in. (51 mm) nylon webbing. Includes a sliding D-ring for proper placement on booms and an adjustable buckle that easily tightens into position.  
6404/50INYL



**Boom Strap**

Made of 2-in. (51 mm) polyester webbing. Features a steel ratchet buckle with a leather wear pad.  
M10FD/10FTYL



**Extension Pole and Hook Anchors**

The 20-ft. (6 m) fiberglass pole and spring-loaded hook is ideal for use with climbing ladders and towers. Installs fall arrest systems up to 20 ft. (6 m) from ground level to angle iron, piping and related structures. 400-lbs. (181 kg) maximum capacity.  
475/  
475-1/ (Anchor Hook only)  
475-2/ (Anchor Extension Pole only)



**Beam Clamps**

The Beam Clamp is a steel anchor point that can be attached to horizontal I-beams, S-beams or W-beams. Its swivel attachment ring prevents twisting of the worker's connecting device.  
450/ accommodates beams with a maximum width of 9 in. (229 mm).  
455/ accommodates beams with a maximum width of 12-1/2 in. (318 mm), 400-lbs. (181.4 kg) maximum capacity.



**Concrete D-Bolt Anchorage Connector**

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

417C/ - Concrete D-Bolt Anchorage Connector  
417CBOLT/ - Concrete Expansion Bolt



**Carabiners – 400-lbs. (181.4 kg) maximum capacity**  
Steel double-lock carabiner;  
1-in. (25 mm) gate opening.  
17D-1/



Lightweight, aluminum double-lock carabiner;  
.79-in. (20 mm) gate opening.  
17D-2-Z7/



Lightweight, aluminum triple-lock carabiner;  
.94-in. (24 mm) gate opening.  
17D-3-Z7/



Large, steel double-lock carabiner;  
2-in. (51 mm) gate opening.  
18D-1/

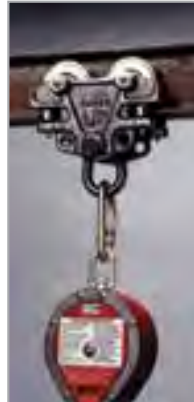


Large, aluminum double-lock carabiner;  
2-in (51mm) gate opening.  
18D-2-Z7/

# Permanent Anchorage Connectors



**Mounted D-Ring**  
Steel D-Ring Anchor with plate, complete with four 3/8-in. (111 mm) diameter bolts, lockwashers, nuts and drilling template  
410/



**Beam Trolley**  
Adjustable and slides along with the worker to provide maximum mobility.  
9065/BK adjusts to fit beam flanges from 3-in. (76 mm) to 4-1/2-in. (114 mm) wide.

**Lightweight Beam Trolley Retrofit Kits:**  
9065-1/ Kit converts 9065/BK beam trolley to accommodate I-beams up to 8-1/2-in. (216 mm) wide.  
9065-2/ Kit converts 9065/BK beam trolley to accommodate I-beams up to 12-in. (305 mm) wide.  
400-lbs. (181.4 kg) maximum capacity.



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



**D-Bolt Anchor**  
For up to 4-in. (102 mm) working thickness. Includes a 5/8-in. (16 mm) diameter bolt with lockwasher and nut  
416/ - D-Bolt Anchor with hardware  
416SS/ - Stainless steel D-Bolt Anchor with hardware  
417/ - D-Bolt Anchor without hardware  
417SS/ - Stainless Steel D-Bolt Anchor without hardware

## Miller Fusion™ Roof Anchor Post

- Permanent or temporary solution for roof safety
- Versatile single-point anchor adapts to a wide range of roof designs
- Protects worker by maintaining a secure connection to the structure;
- Protects the structure with a unique energy-absorbing load distribution system

SKU	Description	Designed to Accommodate
X10000	Standing Seam Roofing	Standing seam spacing from 11.75-in. to 17-in. (298 mm - 432 mm)
X10001	Standing Seam Roofing	Standing seam spacing from 11.75-in. to 21.25-in. (298 mm - 540 mm)
X10002	Standing Seam Roofing	Standing seam spacing from 11.75-in. to 24-in. (298 mm - 610 mm)
X10010	Metal Sheathing Roofing	Metal sheathing w/minimum thickness of 24 gauge (0.024-in.)
X10011	Metal Sheathing Roofing	Metal sheathing w/minimum thickness of 24 gauge (0.024-in.). Trapezoidal spacing of 8-in. to 20-in. (216 mm - 508 mm) one-inch increments
X10030	Membrane/Built-up Roofing	Fastens through membrane, insulation & into metal sheathing, wood sheathing or concrete with a combined thickness of up to 5.5-in. (216 mm - 508 mm)
X10031	Membrane/Built-up Roofing	Fastens through membrane, insulation & into metal sheathing, wood sheathing or concrete with a combined thickness of > 5.5-in. up to 10.5-in. (140 mm - 267 mm)
X10020	Multi-Purpose Metal Sheathing, Wood and Concrete Roofing (no hardware included)	With Miller approved hardware, accommodates: metal sheathing w/minimum thickness of 24 gauge (0.024 in.). Trapezoidal spacing of 8-in. to 20-in. (216 mm - 508 mm) in one-inch increments. Plywood with minimum thickness 5/8-in. (15.9 mm) CDX. Concrete decking with minimum thickness of 6.5-in (65 mm) & minimum concrete compressive strength of 3000 PSI (20.7 MPa)
X10040	Wood Sheathing Roofing	Plywood with minimum thickness of 5/8-in. (15.9 mm) CDX (temporary installations only)
X10050	Concrete Roofing	Concrete decking with minimum thickness of 6.5-in. (165 mm) and minimum concrete compressive strength of 3,000 PSI (20.7 MPa)



Standing Seam



Metal Sheathing



Membrane



Multi-Purpose

# Mobile Anchorage Connectors

## Miller Edge™ Fall Protection System

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

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



9081/

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

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



9082/  
Swivel  
Bracket

## Miller SkyORB™ Overhead Rotational Boom Anchor

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

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



Watch Video

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

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

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



# Rigid Rail Systems

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

## Inverted "L" System

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

## "T" Dual Track System

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

## "P" Series System

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

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

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



Watch Inverted "L" System Video



Watch "T" Dual Track System Video



Watch "P" Series System Video





Rigid Rail System Inverted "L"



Rigid Raid System "T" Dual Track



Rigid Rail System "P" Series

## Aerial Lift Kits

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

### Personal Fall Limiter Kit

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

SKU	Description
MK650-4UMFL-1/6FTC	- Universal (L/XL) full-body harness w/tongue buckle leg straps (650-4/UYK) - 6-ft. (1.8 m) Miller TurboLite PFL w/twist-lock carabiner and locking snap hook (MFL-1-Z7/6FT) - Durable carrying bag (702B/BK)

### Lanyard Kit

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

SKU	Description
8112L/UGN	- DuraFlex® Utility Harness (E752/UGN) - Manyard® II Shock-Absorbing Lanyard (233M-Z7/6FTGN) - Aerial Lift Boom Strap (6404/50INVL)



# Horizontal Lifeline Kits

## Miller SkyGrip™ Temporary Horizontal Lifeline Systems

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



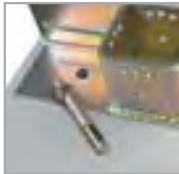
### ■ For Concrete Applications

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

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



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



Expansion anchor bolts  
(Purchased separately)



Precast inserts  
(Purchased separately)



Slider bracket assists  
with quick installation



Watch Video

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

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

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

## For Steel Applications

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

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



Position crossbar



Fine-tune adjustment



Stanchion installation complete



All adjustments above-the-beam



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

SKU	Description	Number of Stanchions	Pass-through Brackets for Intermediate Stanchions	Number of Energy Absorbers	Workers per System
<b>WITH STANDARD BASE – Fit beam flanges 4-in. to 18-in. (.1 m to .5 m) wide and up to 2-1/4-in. (57 mm) thick.</b>					
SGS18/30FT	30-ft. (9 m) system	2	No intermediate stanchions	1	2
SGS18/60FT	60-ft. (18 m) system	2	No intermediate stanchions	1	2
SGS18/120FT	120-ft. (37 m) system	3	1	2	4
SGS18/180FT	180-ft. (55 m) system	4	2	2	6
SGS18/240FT	240-ft. (73 m) system	5	3	2	6
SGS18/300FT	300-ft. (91 m) system	6	4	2	6
<b>WITH LARGE BASE – Fit beam flanges 4-in. to 36-in. (.1 m to .9 m) wide and 1-in. to 3-3/8-in. (25 mm to 86 mm) thick.</b>					
SGS36/30FT	30-ft. (9 m) system	2	No intermediate stanchions	1	2
SGS36/60FT	60-ft. (18 m) system	2	No intermediate stanchions	1	2
SGS36/120FT	120-ft. (37 m) system	3	1	2	4
SGS36/180FT	180-ft. (55 m) system	4	2	2	6
SGS36/240FT	240-ft. (73 m) system	5	3	2	6
SGS36/300FT	300-ft. (91 m) system	6	4	2	6
<b>SYSTEM COMPONENTS</b>					
	Beam Flange Width	Beam Flange Thickness			
SGS18	Stanchion w/standard base	4-in. to 18-in. (.1 m to .5 m)		Up to 2-1/4-in. (57 mm)	
SGS36	Stanchion w/large base	12-in. to 36-in. (.3 m to .9 m)		2-1/4-in. to 3-3/8-in. (57 mm to 86 mm)	
SGSB18	Standard base	4-in. to 18-in. (.1 m to .5 m)		Up to 2-1/4-in. (57 mm)	
SGSB36	Large base	4-in. to 36-in. (.1 m to .9 m)		1-in. to 3-3/8-in. (25 mm to 86 mm)	
SGSEXT18	Standard ext. bar w/adjuster	4-in. to 18-in. (.1 m to .5 m)		Up to 2-1/4-in. (57 mm)	
SGSEXT36	Large extension bar w/adjuster	4-in. to 36-in. (.1 m to .9 m)		1-in. to 3-3/8-in. (25 mm to 86 mm)	

## Components for both Steel and Concrete Applications

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

# Miller SkyGrip™ Horizontal Lifeline Kits

## Galvanized Cable Horizontal Lifeline System Kits

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



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

416/



Using D-Bolt Anchors



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

8183



Using Cross-Arm Straps



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

497/



Using Miller Grip Anchors



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

8815-12/



Using Fixed Beam Anchors

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

## Stainless Steel Horizontal Lifeline System Kits

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

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



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



## Miller TechLine™ Temporary Horizontal Rope Lifeline System Kits

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

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

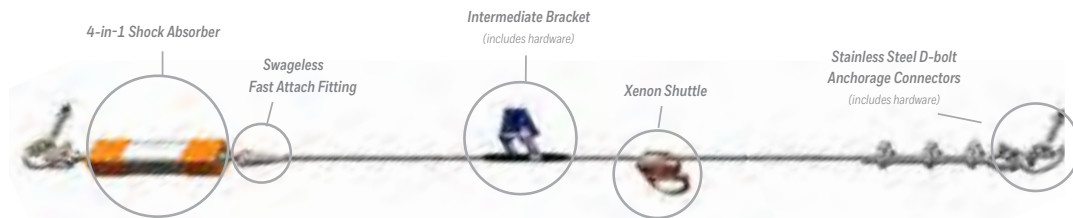


SKU	Description	Kit Contents
HLLR2-Z7/30FT	30-ft. (9 m) Rope Temporary HLL System	11/16-in. (17.5 mm) kernmantle-style rope lifeline / Lifeline adjuster / Two (2) heavy-duty cross-arm for two workers, anchorage straps / Shock absorber pack / Two (2) connecting O-rings / Waterproof bucket
HLLR2-Z7/60FT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

# Miller Xenon® Permanent Horizontal Lifeline System Kits

Xenon Permanent Horizontal Lifeline System Kits provide automatic pass-through fall protection for multiple workers that ultimately increases worker mobility, safety and productivity. Xenon kits provide do-it-yourself installation and feature patented stainless steel components that are easy-to-use and require minimal maintenance. For use along crane rail runways, loading bays/docks, machinery, conveyors, rooftops, inside sports arenas, pipe racks, bridges and many industrial applications.

- Stainless steel 5/16-in. (8 mm) wire rope
- Easy installation – either in-house maintenance personnel under the supervision of an installation technician, or by a certified Xenon installer
- With no moving pass-through parts, the Xenon shuttle is ideal for harsh environments



Xenon stainless steel system kits are designed for up to two\* workers. Kits include Xenon 4-in-1 shock absorber, intermediate bracket(s) (see chart below), two stainless steel D-bolt anchorage connectors, swageless fast-attach fitting, anchor shackle, thimble, cable clips, hardware and instruction manual. Xenon shuttles are sold separately.

\* Systems can accommodate up to four workers by adding a second Xenon shock absorber (SKU 1014934).

SKU	System Length	Number of Intermediate Brackets
X00030	30 ft. (9 m)	0
X00060	60 ft. (18 m)	1
X00090	90 ft. (27 m)	2
X00120	120 ft. (37 m)	3
X00150	150 ft. (46 m)	4
X00180	180 ft. (55 m)	5
X00210	210 ft. (64 m)	6
X00240	240 ft. (73 m)	7
X00270	270 ft. (87 m)	8
X00300	300 ft. (91 m)	9
X00330	330 ft. (101 m)	10
X00360	360 ft. (110 m)	11
X00390	390 ft. (119 m)	12
X00420	420 ft. (128 m)	13
X00450	450 ft. (137 m)	14
X00480	480 ft. (146 m)	15
X00510	510 ft. (155 m)	16



## SKU Description

### SYSTEM COMPONENTS

#### 1005709 Xenon Shuttle

- Self-aligns for smooth automatic pass-through of intermediate brackets
- Dual-locking mechanism for added safety

#### 1010609 Universal Intermediate Bracket

- Automatic pass-through bracket allows easy passage of Xenon shuttle for 100% connection to the system
- Can be configured as free floating or locked
- Brackets can be attached to a fitted cable to allow for easy replacement

#### 1014934 Xenon 4-in-1 Shock Absorber

- Provides four functions in one unit!
  - Absorbs energy to reduce system forces
  - Includes a turnbuckle mechanism for easy tensioning
  - Features a tension indicator to show when properly tensioned
  - Incorporates a 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

#### 416SS/ Stainless Steel D-bolt Anchorage Connector

- Features 5/8-in. (16 mm) hole for hardware
- Can be mounted on a vertical surface or overhead for added versatility
- Includes 5/8-in. (16 mm) diameter x 5-in. (127 mm) long stainless steel bolt w/nut & washer

#### 417SS/ Stainless Steel D-bolt Anchorage Connector

- Features 5/8-in. (16 mm) hole for hardware
- Can be mounted on a vertical surface or overhead for added versatility

## Miller ShockFusion™ Horizontal Lifeline Kits for Rooftop Safety

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

- A new online ShockFusion Selection Guide is now available for easy assembly of a kit to meet your exact application needs. Scan the QR code or go to [www.millerfallprotection.com/shockfusionkits](http://www.millerfallprotection.com/shockfusionkits)



## Vertical Climbing System Kits

### Miller Vi-Go™ Ladder Climbing Systems (Cable)

Vi-Go Ladder Climbing Safety Systems provide the ultimate in safety with continuous fall protection when climbing fixed ladders. Cable systems are available in easy-to-install kits or as a *build your own* option – for details contact Honeywell Technical Service at 800/873-5242.

- Lower cost of ownership – Do-it-yourself kits for easy installation and inspection. No costly, annual manufacturer inspections often required by other systems
- Option to cut cable lengths on site for greater versatility
- Accommodates up to four (4) workers at a time – Increasing productivity
- Select **Automatic** or **Manual** Personal Fall Arrester Cable Sleeves – Both cable sleeves are designed to follow the user along the lifeline while ascending or descending, instantly locking in the event of a fall



## with Automatic Pass-Through

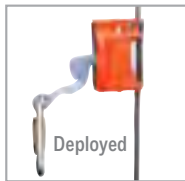
- Uninterrupted fall protection – uniquely-designed, patent-pending Vi-Go Cable Sleeve automatically bypasses intermediate cable guides, keeping both hands free for climbing; travels smoothly along cable and locks instantly in the event of a fall
- Easy, one-hand operation for attachment/detachment from the system. No pins/chains or external parts to lose or damage
- Automatic pass-through cable guides secure lifeline to prevent cable wear and enable the system to accommodate curves
- Attachment mechanism engineered to prevent incorrect installation, ensuring greater safety. Unit will not open if attached incorrectly
- Cable sleeve integrated shock-absorbing element reduces forces and indicates when a fall has occurred
- Accommodate 5/16-in. (8 mm) or 3/8-in. (10 mm) cable



Vi-Go Automatic Pass-Through Cable Sleeve



Automatic Pass-Through Cable Guide



Integrated stainless steel shock-absorbing element



Easy, one-hand attachment

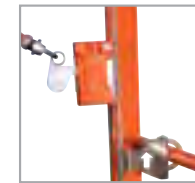
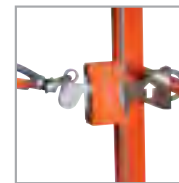
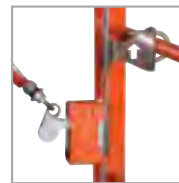


Design prevents upside-down installation (channel will not open)

Kits include a top bracket assembly with shock absorber, a bottom bracket assembly with lifeline tensioner, 3/8-in. (10 mm) galvanized steel cable lifeline, all necessary hardware, automatic pass-through intermediate cable guides (when applicable) and instruction manual.

### Automatic Pass-Through Cable Guides

Vi-Go automatic pass-through cable sleeve glides easily through intermediate cable guides uninterrupted. Hands and feet are free for climbing.



SKU	Length of System	Number of Cable Guides	SKU	Length of System	Number of Cable Guides
VG/30FT	30-ft. (9 m)	0	VG/90FT	90-ft. (27 m)	2
VG/40FT	40-ft. (12 m)	0	VG/100FT	100-ft. (31 m)	2
VG/50FT	50-ft. (15 m)	1	VG/110FT	110-ft. (34 m)	2
VG/60FT	60-ft. (18 m)	1	VG/120FT	120-ft. (37 m)	2
VG/70FT	70-ft. (21 m)	1	VG/130FT	130-ft. (40 m)	3
VG/80FT	80-ft. (24 m)	1	VG/140FT	140-ft. (43 m)	3

\*Other system kits are available in 10-ft. (3 m) increments up to 300-ft. (91 m), and then 50-ft. (15 m) increments up to 500-ft. (152 m) (e.g. To place an order for a Vi-Go system kit with 500-ft. (152 m) length cable, the SKU number is VG/500FT.

SKU	Description
<b>CABLE SLEEVE Sold Separately</b>	
VGCS/	Automatic Pass-Through Cable Sleeve
VGCS-C/	Automatic Pass-Through Cable Sleeve with carabiner
VGCS-SC/	Automatic Pass-Through Cable Sleeve with integral swivel & carabiner

The Vi-Go Automatic Pass-Through Cable Sleeve can also be used with the manual system.

## with Manual Pass-Through

- Requires manual removal/insertion of cable with intermediate guides
- Cable guides secure lifeline to prevent cable wear
- Manual Vi-Go Cable Sleeve follows the worker while ascending and descending
- Cable sleeve locks instantly in the event of a fall
- Accommodate 3/8-in. (10 mm) cable



Manual Vi-Go Cable Sleeve with Carabiner



Manual Pass-Through Cable Guide



Kits include a top bracket assembly with shock absorber, a bottom bracket assembly with lifeline tensioner, 3/8-in. (10 mm) galvanized steel cable lifeline, all necessary hardware, manual pass-through intermediate cable guides and instruction manual.

SKU	Length of System	Number of Cable Guides	SKU	Length of System	Number of Cable Guides
TRS/50FT	50-ft. (15 m)	1	TRS/100FT	100-ft. (31 m)	2
TRS/60FT	60-ft. (18 m)	1	TRS/110FT	110-ft. (34 m)	2
TRS/70FT	70-ft. (21 m)	1	TRS/120FT	120-ft. (37 m)	2
TRS/80FT	80-ft. (24 m)	1	TRS/130FT	130-ft. (40 m)	3
TRS/90FT	90-ft. (27 m)	2	TRS/140FT	140-ft. (43 m)	3

\*Other system kits are available in 10-ft. (3 m) increments up to 300-ft. (91 m), and then 50-ft. (15 m) increments up to 500-ft. (152 m) (e.g. To place an order for a Vi-Go system kit with 500-ft. (152 m) length cable, the SKU number is TRS/500FT.

SKU	Description
<b>CABLE SLEEVE Sold Separately</b>	
TRCS/	Manual Pass-Through Cable Sleeve
TRCS-C/	Manual Pass-Through Cable Sleeve with carabiner
TRCS-SC/	Manual Pass-Through Cable Sleeve with integral swivel & carabiner

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



Manual pass-through cable guide



TRCS-C/

## Miller GlideLoc® Ladder Climbing Systems (Rail)

GlideLoc Ladder Climbing Systems provide an innovative solution that is easy to use, requires minimal maintenance and provides superior safety. The GlideLoc Rail Systems offer *hands-free* safety at height that ultimately increases worker mobility, safety and productivity. Systems are available in easy-to-install kits or can be customized for your application with additional available components.

- Unique design keeps hands free for climbing
- Engineered for smooth operation for ascending/descending
- Easy to order and install do-it-yourself kits
- Durable construction for extended service life
- Accommodates multiple workers
- Available in galvanized, aluminum and stainless steel



Integrated Shock-Absorbing Element



### Fall Arresters

All **GlideLoc Fall Arresters** lock immediately into the rail in the event of a fall. All models offer the following:

- Smooth, quiet trailing action along the rail – provides an easier, more comfortable climb
- Automatic design – keeps both hands free for climbing
- Stainless steel catch clamp – locks into the rail in the event of a fall
- Integrated shock-absorbing mechanism – reduces force on the worker and system in the event of a fall
- Fall indicator – alerts user to know when to remove the product from service
- Integrated swivel, auto-locking carabiner connection – aids in trailing alignment and meets allowable attachment length
- Design prevents up-side-down installation – increases worker safety by ensuring proper attachment
- No requirement to lean back while climbing – reduces fatigue; ideal for ladder cages and confined spaces
- Ergonomically designed for easy one-hand installation – increases productivity

The Vi-Go Manual Pass-Through Cable Sleeve can ONLY be used with the manual system or systems without cable guides.

## Comfort GlideLoc Fall Arrester



22697-Z7/

- Offers all of the features listed above
- Smooth, quiet trailing action along the rail is delivered by 10 glide rollers – provides an easier, more comfortable climb
- Outside roller guides are protected by a flexible rubber ring – provides for a longer service life
- Constructed of stainless steel and aluminum – holds up well in corrosive environments

## Universal II GlideLoc Fall Arrester



25805-Z7/

- Designed to be installed and removed from the rail anywhere along the system – enables transfer onto platforms and entry onto systems where ladder is submerged in snow
- Click-lock function – ensures proper installation
- No intermediate entry/exit gates are required
- Body is constructed of stainless steel – holds up well in corrosive environments

## Miller GlideLoc® System Kits

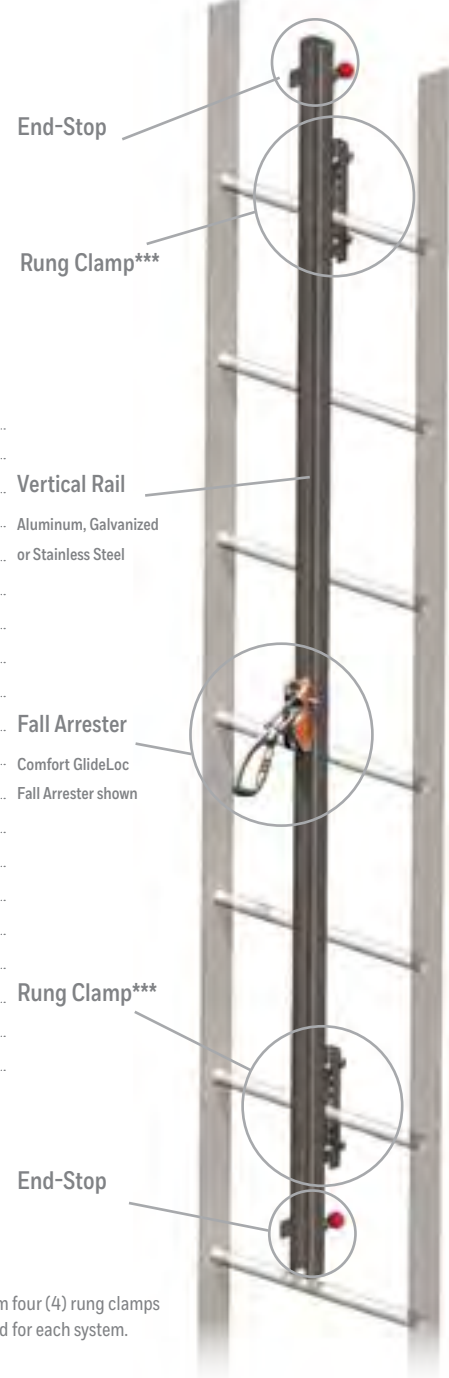
*Kits are available in aluminum, galvanized or stainless steel construction.*

Kits come complete with GlideLoc rail, end-stop, ladder attachment brackets, and hardware. Systems accommodate one worker per section of rail. Kits are available in galvanized steel, aluminum and stainless steel.

GlideLoc fall arresters are sold separately.

SKU Galvanized	SKU Aluminum	SKU Stainless Steel	System Length	Sections of 10-ft. (3 m) Rail	Number of Rung Clamps
GG0020	GA0020	GS0020	20-ft. (6 m)	2	4
GG0030	GA0030	GS0030	30-ft. (9 m)	3	6
GG0040	GA0040	GS0040	40-ft. (12 m)	4	7
GG0050	GA0050	GS0050	50-ft. (15 m)	5	9
GG0060	GA0060	GS0060	60-ft. (18 m)	6	10
GG0070	GA0070	GS0070	70-ft. (21 m)	7	11
GG0080	GA0080	GS0080	80-ft. (24 m)	8	13
GG0090	GA0090	GS0090	90-ft. (27 m)	9	14
GG0100	GA0100	GS0100	100-ft. (30 m)	10	16
GG0110	GA0110	GS0110	110-ft. (33 m)	11	17
GG0120	GA0120	GS0120	120-ft. (37 m)	12	19
GG0130	GA0130	GS0130	130-ft. (40 m)	13	20
GG0140	GA0140	GS0140	140-ft. (43 m)	14	21
GG0150	GA0150	GS0150	150-ft. (46 m)	15	23
GG0160	GA0160	GS0160	160-ft. (49 m)	16	24
GG0170	GA0170	GS0170	170-ft. (52 m)	17	26
GG0180	GA0180	GS0180	180-ft. (55 m)	18	27
GG0190	GA0190	GS0190	190-ft. (58 m)	19	29
GG0200	GA0200	GS0200	200-ft. (61 m)	20	30

\*For longer systems, contact Honeywell Technical Service at 800/873-5242.



\*\*\* Minimum four (4) rung clamps required for each system.

# Miller GlideLoc® Ladder Climbing Systems (Rail) continued

SKU	Description
<b>KIT COMPONENTS</b>	
22697-Z7/	Comfort GlideLoc Fall Arrester – locks into the rail in the event of a fall. Stainless steel & aluminum construction.
25805-Z7/	Universal II GlideLoc Fall Arrester – can be removed from the rail anywhere along the system enabling transfer onto platforms. Stainless steel & aluminum construction.
15729	Aluminum Vertical Rail – length of 10-ft. 1-in. (3 m)
14622	Galvanized Vertical Rail – length of 10-ft. 1-in. (3 m)
16852	Stainless Steel Vertical Rail – length of 10-ft. 1-in. (3 m)
26027	12kN End-Stop – for use with vertical rail. Allows for entering & exiting the system with GlideLoc fall arresters.
11634	Rigid End-Stop – for use with vertical rail, prevents GlideLoc fall arresters from being removed from rail. Stainless steel construction.
10903	Rung Clamp for diameters up to 1-in. (25 mm), galvanized
14804	Rung Clamp for diameters 1-in. (25 mm) to 1-1/4-in. (32 mm), galvanized
14805	Rung Clamp for diameters 1-1/4-in. (32 mm) to 1-3/4-in. (45 mm), galvanized
14809	Rung Clamp for diameters up to 1-in. (25 mm), stainless steel
14813	Rung Clamp for diameters 1-in. (25 mm) to 1-1/4-in. (32 mm), stainless steel
14814	Rung Clamp for diameters 1-1/4-in. (32 mm) to 1-3/4-in. (45 mm), stainless steel
19091	Side Mount Clamp – enables mounting rail along the side of ladder. Galvanized steel construction.
17065	Shaft Entering Device – allows safe entry of a shaft such as a manhole. The prongs slip into coupling device (SKU 16191/). Stainless steel construction.
16191	Shaft Entering Device Coupling – is attached to the top of GlideLoc rail to allow use of shaft entering devices (SKU 17065/). Stainless steel construction.
23724	Foldable Foot Rest – provides a rest platform that conveniently folds out of the way when not in use. Galvanized steel construction.



22697-Z7/



25805-Z7/



26027



11634



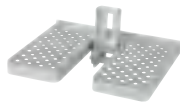
17065



15729  
14622  
16852



10903  
14804  
14805  
14809  
14813  
14814



23724



19091



16191

GlideLoc offers a full range of system components designed to meet the needs of complex applications. Contact Miller Engineered Solutions at 800/325-6746.

## Saf-T-Climb® Ladder Climbing System

The Miller Saf-T-Climb Ladder Climbing System provides total ladder climbing safety for workers on any site – above or below ground; straight or curved. Saf-T-Climb systems give climbers the protection and security they need to be effective and productive. The Saf-T-Climb system has over 60 years of safe climbing history and is frequently the specified rigid rail ladder safety device used by industry and government. The Saf-T-Climb rail attaches to most ladders or climbing surfaces, and can easily be installed by your own personnel.

**Applications:**

- Water tanks
- Wind generators
- Construction
- Communication towers
- Chimneys
- Drilling rigs
- Manufacturing
- Antennas
- Ships' masts
- Utilities



Watch Video





# Roofing

[Download Residential Roofing Product Guide](#)

## Miller® TechLine

### Horizontal Rope Lifeline Kits for Residential Construction

- Quick and easy to install, TechLine system kits include all the components required for installing a fall protection roof system
- Kit configurations are available to accommodate 1 or 2 workers
- Low-stretch, durable horizontal lifeline system provides 100% tie-off for continuous fall protection; provides a secure anchorage point(s) with less deflection/reduced fall clearance requirements
- Integrated vertical lifeline/rope grab components enhance worker mobility, productivity and safety
- System kits are lightweight and portable



HLLR1/RR60FT

SKU	Description	Kit Contents
HLLR2/RR60FT	60-ft. (18 m) Rope Temporary HLL System System	Two-worker Kit: 60 ft. Rope system with reusable roof anchors
HLLR1/RR60FT	60-ft. (18 m) Rope Temporary HLL System System	One-worker Kit: 60 ft. Rope system with reusable roof anchors
HLLR0/RR60FT	60-ft. (18 m) Rope Temporary HLL System System	60 ft. Rope THLL system with reusable roof anchors. No user equipment.

## Miller Roofing Fall Protection Kits

Miller Roofing Fall Protection Kits are easy to use and install on steep-pitched or flat-surface roofs.

Kits include:

- Two reusable roof anchors
- Nylon rope lifeline
- Manual stainless steel rope grab with 2-ft. (6 m) webbing lanyard w/shock absorber
- Steel twist-lock carabiner
- DuraFlex Stretchable Harness (SKU E850/UGN)

SKU	Description
RA20-25/25FTU	Kit w/reusable roof anchors (RA20-1) and 25-ft. (7.6 m) rope lifeline
RA20-50/50FTU	Kit w/reusable roof anchors (RA20-1) and 50-ft. (15 m) rope lifeline



# Miller RoofStrider™ System Kits

## RoofStrider Kit

- MightyLite™ Self-Retracting Lifeline with 360° rotating bracket
- Roof mounting assembly for variable pitch wood roofs (roof peaks or flat sides), most ridge vents, studs, joists, etc.
- Hardware included for mounting on wood roofs and metal decking
- DuraFlex® Stretchable Harness (SKU E850/UGN), instructional video and carrying bag (SKU 8280H/YL)



RM50P-Z7/50FTC

SKU	Description
RM50P-Z7/50FT	Complete system w/50-ft. (15 m) MightyLite SRL w/webbing; includes DuraFlex Stretchable Harness (SKU E850/UGN) and carrying bag (SKU 8280H/YL)
RM50G/50FT	Complete system w/50-ft. (15 m) MightyLite SRL w/galvanized wire rope; includes DuraFlex Stretchable Harness (SKU E850/UGN) and carrying bag (SKU 8280H/YL)

## RoofStrider II Kit

- MightyLite™ Self-Retracting Lifeline with 360° rotating bracket
- Roof mounting assembly with clamping feet for use on standing seam metal roofs
- Shock Absorber



SRM50G/50FTC

SKU	Description
SRM30G-Z7/30FTC	Complete system w/30-ft. (10 m) MightyLite SRL w/galvanized wire rope
SRM50P-Z7/50FTC	Complete system w/50-ft. (15 m) MightyLite SRL w/webbing
SRM50G-Z7/50FTC	Complete system w/50-ft. (15 m) MightyLite SRL w/galvanized wire rope
SRM65G-Z7/65FTC	Complete system w/65-ft. (20 m) MightyLite SRL w/galvanized wire rope
<b>PARTS &amp; ACCESSORIES</b>	
SRM/	Roof mounting assembly w/clamping feet
SRMF-1/	Clamping feet w/hardware for standing seam metal roofs
SRMF-2/	Feet & hardware for wood or metal decking

# Temporary Roof Anchors



10 reusable anchors w/D-rings and screws  
RA15-1/



2 reusable anchors w/screws  
RA20-1/



Reusable anchor for flat surfaces, with swivel D-ring  
RA35-1/



Reusable anchor designed for steep-pitched or flat roof applications  
RA30-1/



Steel double lock carabiner  
1-in. (25 mm) gate opening.  
400-lbs. (181.4 kg) maximum capacity  
17D-1/



# Miller Permanent Roof Anchors

Permanent roof anchorages designed for residential and commercial construction.

## 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
- Stainless steel construction; plated steel D-ring
- Accommodates single user for fall protection

SKU	Description
RA41/	Stainless steel permanent single D-ring roof anchor for installation over a wood ridge peak or vertical wall. Complete with 8, 16d nails.
RA41/50BULK	Bulk pack of 50



## 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
- Stainless steel construction; two plated steel D-rings
- Accommodates single user for fall protection

SKU	Description
RA40/	Stainless steel permanent double D-ring roof anchor for installation over a wood ridge peak. Complete with 8, 16d nails.
RA40/50BULK	Bulk pack of 50

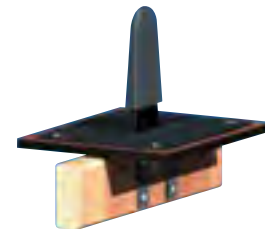
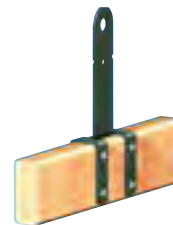


*Use the Permanent Roof Anchors on new or existing roofs to provide a quick, safe anchorage point.*

## 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. (51 mm x 102 mm, 51 mm x 152 mm, 51 mm x 203 mm, 51 mm x 254 mm or 51 mm x 305 mm)
- Stainless steel construction
- Accommodates single user for fall protection

SKU	Description
RA45/	Stainless steel permanent roof anchor for installation over wood rafter/truss members. Complete with UV-resistant *Santoprene® flashing, protective cap and 12, 1-1/2-in. (38 mm) nails.
RA45/25BULK	Bulk pack of 25



\*Santoprene® is a registered trademark of Monsanto Corporation.





# Body Wear



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# Harnesses

## Guide to Harness Features

### STANDARD FEATURES



**Sliding/Stand-Up Back D-Ring**

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



**Self-Contained Label Pack**

Integrated pack encapsulates labels minimizing damage and loss.



**Pull-Free Lanyard Rings**

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



**Miller Revolution ErgoArmor Back Shield**

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



**Miller Revolution PivotLink™ Connection**

Unique rotary design provides greater comfort in bending/mobility.

### ADJUSTMENT BUCKLE TYPES



**Quick-Connect Buckle**

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



**Tongue Buckle**

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



**Mating Buckle**

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



**Friction Buckle**

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



**Cam Buckle**

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

### D-RING OPTIONS



**Front D-Ring**

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



**Shoulder D-Rings**

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



**Side D-Rings**

Most commonly used for work positioning.



**PVC Coated D-Rings**

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



# Miller Revolution™ Harnesses

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

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

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



Watch Video

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



**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



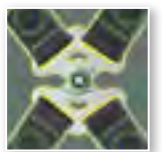
**5** Web Finales  
Clip-on design safely organizes webbing after proper adjustment



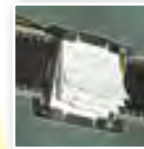
**6** Cam Buckles  
Easy, one-hand adjustment/release allows simultaneous adjustment of shoulder straps



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



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



**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.



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



RDT-QC/UBK

# Miller Revolution™ Harnesses

## With DuraFlex® Webbing

Patented, elastomer webbing specially-formulated to stretch.



## With Python® Webbing

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



## With DualTech™ Webbing

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



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

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

## With Kevlar®-Nomex® Webbing

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

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



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

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

# Miller Revolution™ Harnesses

## With Integrated Waist Connection

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

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

Additional sizes available.



1015604

## Construction Harnesses

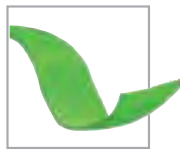
A construction site is a tough environment, however the design and materials used on these construction harnesses are up to the task.

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

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



**Integrated Back/Shoulder Pad**  
New back/shoulder padding allows optimum air flow, while providing all-day comfort



**Heavy-Duty Webbing**  
For durability on the construction site



**Cam Buckles**  
Provide easy, one-hand adjustment



R10CN-MB-BDP/UGN

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

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

# Miller Revolution™ Harnesses

## Arc-Rated

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

### Kevlar/Nomex Miller DualTech™ Webbing

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



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



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

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

Leather insulators under all metal hardware offer additional protection.



RKNARRL-QC/UBK

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

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

## Vinyl-Coated

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

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



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

RPC-TB/UGN



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

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

# Miller Revolution™ Harnesses

## Accessories

SKU	Description
<b>BAGS, POUCHES &amp; HOLDERS</b>	
RIA-T1/1*	Mini cell phone holder w/snap-on connector
RIA-T2/1*	Regular cell phone/job site radio holder, w/snap-on connector
RIA-T3/1*	Water bottle holder, 1 qt. (Bottle not included)
RIA-T5/1*	Medium open bolt & bull pin bag
RIA-T6/1*	2 pocket nail & tool pouch
RIA-T7/1*	Large multi-pouch tool bag w/2 steel hammer loops
RIA-T8/1*	Padded hammer loop
RIA-T11/1	Leather utility tool bag
RIA-T12/1	Tower tool bag w/cover
<b>OPTIONAL PADDING</b>	
RIA-P1/	Shoulder/leg pads (2 pack)
RIA-P2/U/XL	Seat pad – universal size
RIA-P2/S/M	Seat pad – S/M size
RIA-P5AR/XXL/XXXL	Hi-temp, removable seat pad – XXL/XXXL size
<b>BELTS (FITS SIZES 32" [81 m] TO 54" [1.4 m])</b>	
RIA-B1/	Belt w/PivotLink attachments, 5 accessory connectors
RIA-B2/	Belt w/back pad & PivotLink attachments, 5 accessory connectors
RIA-B/	Replacement belt
<b>CONNECTION POINTS</b>	
RIA-C2/1*	Universal accessory & belt attachment clip (2 pack)

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



## Accessory Kits

SKU	Description
<b>IDENTIFICATION KITS</b>	
RIA-BL/	(10) Blue self-adhesive labels w/write-in window
RIA-YL/	(10) Yellow self-adhesive labels w/write-in window
RIA-RD/	(10) Red self-adhesive labels w/write-in window
RIA-GN/	(10) Green self-adhesive labels w/write-in window
<b>JOB KITS (Fits sizes 32" [81 m] to 54" [1.4 m])</b>	
RIA-K2/1*	Regular cell phone/job site radio holder w/snap-on connector Water bottle holder Large multi-pouch tool bag w/2 steel hammer loops

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





Watch Video

## Miller AirCore™ Harnesses

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

### With Steel Hardware

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

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

### With Front D-Ring

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

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



AC-QC-BDP/UGN



ACF-TBDUG

# Miller AirCore™ Harnesses

## For Oil and Gas

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



SKU	Description	Special Feature	Weight
ACOG-TBSSUG	Tongue Buckle Legs, Mating Buckle Chest Strap, Front D-ring, Extended Back D-ring, Lumbar Pad, Removable Belt with Lumbar D-ring	Removable Seat Sling with Side D-rings	7.7 lbs. (3.5 kg)
ACOG-TBBCUG	Tongue Buckle Legs, Mating Buckle Chest Strap, Front D-ring, Extended Back D-ring, Lumbar Pad, Removable Belt with Lumbar D-ring	Removable Bos'n Chair with Side D-rings	9.2 lbs. (4.2 kg)
ACOG-TBUG	Tongue Buckle Legs, Mating Buckle Chest Strap, Front D-ring, Extended Back D-ring, Lumbar Pad, Removable Belt with Lumbar D-ring	NA	6.1 lbs. (2.8 kg)
ACOG-SS	Seat Sling with Side D-rings	NA	1.6 lbs. (0.7 kg)
ACOG-BC	Bos'n Chair with Side D-rings	NA	3.2 lbs. (1.5 kg)

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

## For Wind Energy

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



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

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

### ACCESSORIES

ACLWP	Removable Lumbar Wear Pad	0.2 lbs. (0.09kg)
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# Miller AirCore™ Harnesses

## ■ For Tower Climbing

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



ACT-QCBCUG

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

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

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

### ACCESSORIES

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

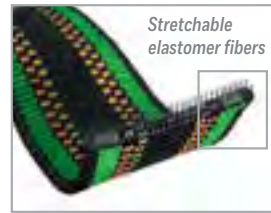
**Note: For the aluminum version please change ACT- to AAT-**





# Miller DuraFlex® Harnesses

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



SKU	Size	Back D-Ring	Side D-Rings	Shoulder Strap Buckle	Leg Strap Buckles	Chest Strap Buckles	Sub-Pelvic Strap	Special Features
<b>SERIES 650 HARNESSES</b>								
E650/UGN	U	Yes	No	Friction	Mating	Mating	Yes	Pull-up adjustment / Pull-free lanyard rings / Belt loops
E650-4/UGN	U	Yes	No	Friction	Tongue	Mating	Yes	Pull-up adjustment / Pull-free lanyard rings / Belt loops
E650-7/UGN	U	Yes	Yes	Friction	Mating	Mating	Yes	Pull-up adjustment / Pull-free lanyard rings / Belt loops
E650-58/UGN	U	Yes	Yes	Friction	Tongue	Mating	Yes	Pull-up adjustment / Pull-free lanyard rings / Belt loops
<b>CONSTRUCTION HARNESSES</b>								
E650-77/UGN	U	Yes	Yes	Friction	Tongue	Mating	Yes	Pull-up adjustment / Permanently-attached back pad / Removable body belt / Pull-free lanyard rings
E650-78/UGN	U	Yes	Yes	Friction	Mating	Mating	Yes	Pull-up adjustment / Belt loops / Removable body belt / Pull-free lanyard rings
<b>MS. MILLER HARNESS</b>								
E570/URN	U	Yes	No	Friction	Mating	Mating	No	Back and leg pads / Pull-free lanyard rings
<b>WAREHOUSE PICKER'S HARNESS</b>								
E850-2/UGN	U	Yes	No	Friction	Mating	Mating	Yes	Pull-down adjustment / Back D-ring web extension / Pull-free lanyard rings

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

# Miller DuraFlex® ULTRA Harnesses

A premier line of Miller® brand harnesses.

- Easy-to-wear, Miller DuraFlex Ultra harnesses provide greater comfort and increased mobility, while improving safety and reducing worker fatigue
- Rated to 400-lbs. (181.4 kg) capacity



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



Comfort-Touch Back D-Ring Pad is designed with a specially-woven, breathable fabric that provides greater comfort; orients harness for quick tangle-free donning.

## ■ DuraFlex Python® Ultra Harness

The DuraFlex Python Ultra Harness features cushioned tubular webbing in the shoulder straps to minimize possible discomfort around the neck and shoulders when required to wear a tool belt.

High-strength, abrasion-resistant webbing

Contoured edge improves comfort



Durable, high-density, water-repellent foam



Comfort-Touch Back D-Ring Pad



P950QC-77/UGN

Patented stretchable elastomer for comfort

Bright, highly-visible design



Tough interwoven webbing



Comfort-Touch Back D-Ring Pad



E650QC/UGN

SKU	Size	Back D-Ring	Side D-Rings	Chest Strap Buckle	Shoulder Strap Buckles	Leg Strap Buckles	Sub-Pelvic Strap	Special Features
<b>MILLER DURAFLEX PYTHON ULTRA HARNESSES</b>								
P950QC/UGN	U	Yes	No	Quick-Connect	Friction	Quick-Connect	Yes	Comfort-touch back D-ring pad / Belt loops
P950QC-7/UGN	U	Yes	Yes	Quick-Connect	Friction	Quick-Connect	Yes	Comfort-touch back D-ring pad / Belt loops
P950QC-77/UGN	U	Yes	Yes	Quick-Connect	Friction	Quick-Connect	Yes	Comfort-touch back D-ring pad / Belt loops / Removable waist belt
P950QC-4/UGN	U	Yes	No	Quick-Connect	Friction	Tongue	Yes	Comfort-touch back D-ring pad / Belt loops
<b>MILLER DURAFLEX ULTRA HARNESSES</b>								
E650QC/UGN	U	Yes	No	Quick-Connect	Friction	Quick-Connect	Yes	Comfort-touch back D-ring pad / Belt loops
E650QC-7/UGN	U	Yes	Yes	Quick-Connect	Friction	Quick-Connect	Yes	Comfort-touch back D-ring pad / Belt loops
E650QC-77/UGN	U	Yes	Yes	Quick-Connect	Friction	Quick-Connect	Yes	Comfort-touch back D-ring pad / Belt loops Removable waist belt

SKU numbers listed are for Universal (Lg./XL) size. Harnesses are also available in small/medium, XXL and XXXL, by replacing the "U" in the SKU number with "S/M", "XXL" or "XXXL" (Ex: E650QC/XXLGN).

## Miller DuraFlex Python® Harnesses

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 Rated to 400-lbs. (181.4 kg) capacity



Cushioned tubular webbing



P950/UGN

SKU	Size	Back D-Ring	Side D-Rings	Chest Strap Buckle	Shoulder Strap Buckles	Leg Strap Buckles	Sub-Pelvic Strap	Special Features
P950/UGN	U	Yes	No	Mating	Friction	Mating	Yes	Santoprene® D-ring back pad / Pull-free lanyard rings / Belt loops
P950-4/UGN	U	Yes	No	Mating	Friction	Tongue	Yes	Santoprene® D-ring back pad / Pull-free lanyard rings / Belt loops
P950-7/UGN	U	Yes	Yes	Mating	Friction	Mating	Yes	Santoprene® D-ring back pad / Pull-free lanyard rings / Belt loops
P950-58/UGN	U	Yes	Yes	Mating	Friction	Tongue	Yes	Santoprene® D-ring back pad / Pull-free lanyard rings / Belt loops
P950-77/UGN	U	Yes	Yes	Mating	Friction	Tongue	Yes	Santoprene® D-ring back pad / Pull-free lanyard rings / Belt loops / Removable tool belt / 6-in. (152 mm) back pad

SKU numbers listed are for Universal (Lg./XL) size. Harnesses are also available in small/medium, XXL and XXXL, by replacing the "U" in the SKU number with "S/M", "XXL" or "XXXL" (Ex: P950/XXLGN).

Santoprene® is a registered trademark of Monsanto Corporation.

## Miller Contractor Non-Stretch Harnesses

- Lightweight for greater comfort; non-stretch webbing
- Unique combination D-ring pad/shoulder pads that minimize discomfort/stress around the neck and shoulders when using a tool belt
- Soft lumbar back pad for additional support and comfort
- Waist belt (removable) to accommodate tool pouches
- Single, back D-ring for fall protection
- Tongue buckle leg straps for easy adjustment
- Friction buckle shoulder adjustments; mating buckle chest adjustment
- Self-contained label pack positioned for easy access
- Two (2) pull-free lanyard rings
- Rated to 400-lbs. (181.4 kg) capacity



Combo D-ring pad / shoulder pads



650CN-BP/UGN

SKU	Size	Back D-Ring	Front D-Ring	Side D-Rings	Chest Strap Buckle	Shoulder Strap Buckles	Leg Strap Buckles	Sub-Pelvic Strap	Special Features
650CN-BP/UGN	U	Yes	Option	No	Mating	Friction	Tongue	Yes	D-ring pad / Shoulder pads / Pull-free lanyard rings / Belt loops
650CN-BDP/UGN	U	Yes	Option	Yes	Mating	Friction	Tongue	Yes	D-ring pad / Shoulder pads / Pull-free lanyard rings / Belt loops

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

## Miller HP™ (High Performance) Non-Stretch Harnesses

- Non-stretch webbing harness
- Comfort-touch back D-ring pad designed with woven, breathable material for cooler extended-wear comfort; orients harness for quick, tangle-free donning
- Rated to 400-lbs. (181.4 kg) capacity



650T/UGK

SKU	Size	Back D-Ring	Front D-Ring	Side D-Rings	Chest Strap Buckle	Shoulder Strap Buckles	Leg Strap Buckles	Sub-Pelvic Strap	Special Features
<b>PULL-UP ADJUSTMENT STYLE</b>									
650T/UGK	U	Yes	Option	No	Mating	Friction	Mating	Yes	Pull-free lanyard rings / Belt loops
650T-4/UGK	U	Yes	Option	No	Mating	Friction	Tongue	Yes	Pull-free lanyard rings / Belt loops
650T-7/UGK	U	Yes	Option	Yes	Mating	Friction	Mating	Yes	Pull-free lanyard rings / Belt loops
650T-58/UGK	U	Yes	Option	Yes	Mating	Friction	Tongue	Yes	Pull-free lanyard rings / Belt loops
650T-61/UGK	U	Yes	Option	Yes	Mating	Friction	Tongue	Yes	Shoulder pads/back pad / Lanyard rings / Belt loops / Removable waist belt
650T-76/UGK	U	Yes	Option	Yes	Mating	Friction	Tongue	Yes	6-in. (152 mm) shoulder pads/back pad / Tool belt / Pull-free lanyard rings / Belt loops
650T-77/UGK	U	Yes	Option	Yes	Mating	Friction	Tongue	Yes	6-in. (152 mm) back pad / Tool belt / Pull-free lanyard rings / Belt loops

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

## Miller® Standard Non-Stretch Harnesses

- Traditional non-stretch full-body harnesses in lightweight, durable, yellow polyester webbing
- Rated to 400-lbs. (181.4 kg) capacity

650-4/UJK



SKU	Size	Back D-Ring	Front D-Ring	Side D-Rings	Chest Strap Buckle	Shoulder Strap Buckles	Leg Strap Buckles	Sub-Pelvic Strap	Special Features
650/UJK	U	Yes	Option	No	Mating	Friction	Mating	Yes	Pull-up adjustment / Pull-free lanyard rings / Belt loops
650-4/UJK	U	Yes	Option	No	Mating	Friction	Tongue	Yes	Pull-up adjustment / Pull-free lanyard rings / Belt loops
650-7/UJK	U	Yes	Option	Yes	Mating	Friction	Mating	Yes	Pull-up adjustment / Pull-free lanyard rings / Belt loops
650-58/UJK	U	Yes	Option	Yes	Mating	Friction	Tongue	Yes	Pull-up adjustment / Pull-free lanyard rings / Belt loops
650-77/UJK	U	Yes	Option	Yes	Mating	Friction	Tongue	Yes	Pull-up adjustment / Permanently-attached back pad

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





## Miller Welding Harnesses

### Lightweight/Comfort Welding Harness

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

650K/UBL



### Heavy-Duty Welding Harness

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

850KQC/UBK



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

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

# Miller Harness Accessories

## Miller 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 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 for alleviating suspension trauma.

- OSHA states that potentially fatal suspension trauma can occur within minutes while waiting for rescue after a fall
- Average fall rescue time is 15 minutes
- When used, the Relief Step Safety Device provides support and enhances blood circulation until rescue – permitting the ability to move and flex leg muscles
- Small and lightweight; the Relief Step Safety Device attaches to *any brand* full-body harness
- Utilizing two (2) Relief Steps (one for each leg/foot) assures greater comfort until rescue is completed



SKU	Description
9099X/12	Consists of a box of 12 Relief Step Safety Devices
9099/36BULK	36 Relief Step Safety Devices in bulk quantity



Watch Video



D-Ring Extension



Body Belt



Miller O-Ring Extension



Back Pad



Shoulder Pads



Back D-Ring Pad



Reflective Velcro Sleeve

SKU	Description
<b>MILLER BODY BELT*</b>	
6414N/UBK	1-3/4-in. (44 mm) black web belt; tongue buckle with 11 grommets / Universal size
<b>MILLER D-RING EXTENSION</b>	
8928/18INBK	18-in. (457 mm) web extension with a snap hook & a D-ring on the opposite end
<b>MILLER O-RING EXTENSION</b>	
8927/8INGN	8-in. (203 mm) web O-ring extension
<b>MILLER BACK PADS</b>	
9014/BK	6-in. (152 mm) wide pad for added comfort
9016/BK	8-in. (203 mm) wide pad for added comfort
<b>MILLER SHOULDER PADS</b>	
9017/3X9INBK	Shoulder pads with anti-slide rubber grip bar
<b>MILLER REFLECTIVE VELCRO® SLEEVES</b>	
9052/6INGN**	Fluorescent lime green reflective material affixes to the straps of a harness for use in no or low light conditions.
<b>MILLER BACK D-RING PAD</b>	
9090/7X8INBK	Removable harness back D-ring pad 7-in. x 8-in. (178 mm x 203 mm). Attaches to any harness w/stainless steel snaps.

\*Belts are not to be used for fall protection.

\*\*Also available in 25-ft. (7.6 m) rolls that can be cut to desired length (9052/25FTGN)

Velcro is a registered trademark of VELCRO USA Inc.

# Miller Tool Lanyards

Prevent tools from dropping that can cause serious injuries on the job site.

## Bandit™ Tool Lanyard

Lanyard conveniently attaches to the user's belt. Tools are attached with the carabiner or by cinching the cord around tool. 5-lb. (2.3 kg) capacity.



9077 Bandit Tool Lanyard

## WristBandit Tool Lanyard

Conveniently attaches to the user's wrist with Velcro®. Tools are attached by cinching the lanyard cord around tool.

Velcro is a registered trademark of VELCRO USA Inc.



9076/BK WristBandit Tool Holder

SKU	Description
9076/BK	WristBandit Tool Holder attaches to the user's wrist
9077/1	Bandit Tool Lanyard attaches to the user's belt
9077X/12	Consists of a box of 12 Bandit Tool Lanyards

# Equipment/Accessory Bags

SKU	Description
8477H/YL	Heavy-duty equipment bag w/zipper closure & wrap-around carrying straps 18-in.L x 9-in.W x 10-in.H (457 mm x 229 mm x 254 mm)
8477HG1/BL	Durable welder's equipment bag w/heavy-duty zipper closure & strong wrap-around carrying straps 18-in.L x 9-in.W x 10-in.H (457 mm x 229 mm x 254 mm)
8477HL1/BK	Heavy-duty equipment bag w/zipper closure & wrap-around carrying straps 18-in.L x 9-in.W x 10-in.H (457 mm x 229 mm x 254 mm)
077H/YL	Nut & bolt bag w/snap closure & web belt loops 8-in.L x 2.5-in.W x 8.5-in.H (203 mm x 63.5 mm x 216 mm)

Note: Additional bags available upon request.



8477H/YL



8477HG1/BL



8477HL1/BK



077H/YL

# Belts

## Body Belts

SKU	Description
2NA	Body belt with tongue buckle, includes side D-rings & 3-in. (76 mm) back pad
3NA	Body belt with tongue buckle, includes single D-ring & 3-in. (76 mm) back pad
123N	Lined body belt with tongue buckle, includes single D-ring
124N	Lined body belt with tongue buckle, includes side D-rings

### Body Belt Sizing

When ordering, indicate size by using the following suffixes:

Small	31-in.- 39-in. (787 - 991 mm)	add "/SBK" (Ex.: 2NA/SBK)
Medium	35-in.- 43-in. (889 - 1092 mm)	add "/MBK"
Large	39-in.- 47-in. (991 - 1194 mm)	add "/LBK"
X-Large	42-in.- 50-in. (1067 - 1270 mm)	add "/XLBK"
XX-Large	46-in.- 54-in. (1168 - 1372 mm)	add "/XXLBK"

Note: XX-Small and X-Small sizes available upon request.



2NA



3NA



123N



124N



## Linemen's Belts

All belts feature:

- Side positioning D-rings
- Leather tool loops
- Support belt rings
- Tape thong
- Accessory snap
- Accessory ring



60NL



93N



94N



75N



8449-1



95N



88N



88N-1

### Fixed Belts

Fixed belts do not allow for lateral movement of the D-rings or waist strap with tool loops.

### Semi-Floating Belts

On semi-floating belts, the waist strap with tool loops is completely separate from the D-saddle, allowing for lateral movement of the waist strap prior to use. Any load or pull does not bind tools to tool loops.

### Full-Floating Belts

Full-floating belts allow for lateral movement of the D-saddle with D-rings during use. As a lineman changes position on a pole, the D-rings easily adjust to the movement. As a result, the pole strap rubs against the pole less frequently and receives less wear. Any load or pull does not bind tools to the tool loops.



#### Miller "Black Beauty" Full-Floating Linemen's Belt, Model 8449

Lightweight leather belt features a 1-3/4-in. (44 mm) waist strap with a 5-in. (127 mm) cushioned body pad. Tool loops are double-riveted to the D-saddle for extra strength.

SKU	Style	Width	Description	Weight
60NL	Fixed	4-in. (102 mm)	Body pad with soft dielectric lining & 1-3/4-in. (44 mm) waist strap	3.9 lbs. (1.8 kg)
93N	Fixed	5-in. (127 mm)	Body pad with soft dielectric leather lined 1-3/4-in. (44 mm) waist strap	3.8 lbs. (1.7 kg)
94N	Semi-floating	4-in. (102 mm)	Leather body pad with 1-3/4-in. (44 mm) waist strap	4.0 lbs. (1.8 kg)
95N	Full-floating	5-in. (127 mm)	Leather body pad with 1-3/4-in. (44 mm) waist strap	4.6 lbs. (2.1 kg)
99N	Fixed	9-in. (229 mm)	Leather back-saver body pad with 1-3/4-in. (44 mm) waist strap	3.9 lbs. (1.8 kg)
93YR	Semi-floating	5-in. (127 mm)	MillerHyde II synthetic leather body pad with 1-3/4-in. (44 mm) waist strap	3.9 lbs. (1.8 kg)
75N	Full-floating	5-in. (127 mm)	MillerHyde II synthetic leather body pad with a D-saddle & 1-3/4-in. (44 mm) waist strap	4.9 lbs. (2.2 kg)
88N	Full-floating	9-in. (229 mm)	Leather back-saver body pad with a D-saddle & 1-3/4-in. (44 mm) waist strap	5.6 lbs. (2.5 kg)
8449	Full-floating	5-in. (127 mm)	"Black Beauty" leather, cushioned body pad with 1-3/4-in. (44 mm) leather D-saddle & waist strap	4.5 lbs. (2.0 kg)
88N-1	Full-floating	9-in. (229 mm)	Leather back-saver body pad with a D-saddle, 1-3/4-in. (44 mm) waist strap & scaffolding D-ring	5.6 lbs. (2.5 kg)
8449-1	Full-floating	5-in. (127 mm)	"Black Beauty" leather, cushioned body pad with 1-3/4-in. (44 mm) leather D-saddle, waist strap & scaffolding D-ring	4.5 lbs. (2.0 kg)

## Linemen's Belt Sizing

The degree of comfort a lineman receives from a belt depends on the construction of the belt and the location of the D-rings. For best fit, order by D-size. The D-size is the distance between the heels of the D-rings. When wearing a belt, the D-rings should be located 1 inch (25 mm) in front of the hip bones. To determine proper D-size, measure across the back from hip bone to hip bone and add 2 inches (51 mm). This measurement is the D-size.



Sizing Chart For Linemen's Belts

D-Size	D18	D19	D20	D21	D22	D23	D24	D25	D26	D27	D28	D29	D30
Min.	32-in. (813 mm)	33-in. (838 mm)	34-in. (864 mm)	35-in. (889 mm)	36-in. (914 mm)	38-in. (965 mm)	40-in. (1,016 mm)	42-in. (1,067 mm)	44-in. (1,118 mm)	46-in. (1,168 mm)	47-in. (1,194 mm)	48-in. (1,219 mm)	49-in. (1,245 mm)
Max.	42-in. (1,067 mm)	43-in. (1,092 mm)	44-in. (1,118 mm)	45-in. (1,143 mm)	46-in. (1,168 mm)	48-in. (1,219 mm)	50-in. (1,270 mm)	52-in. (1,321 mm)	54-in. (1,372 mm)	56-in. (1,422 mm)	57-in. (1,448 mm)	58-in. (1,473 mm)	59-in. (1,499 mm)





C

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# Self-Retracting Lifelines (SRL)/ Personal Fall Limiters (PFL)



## Miller TurboLite™ Personal Fall Limiters

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

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



MFL-1-Z7/9FT



MFL-1-Z7/6FT



Steel Carabiner



Steel Locking Swivel Snap Hook



D-Ring Swivel Hook



Steel Locking Rebar Hook

SKU	Unit Connector	Lanyard End Connector	Weight
<b>6-ft. Models</b>			
MFL-1-Z7/6FT	Steel Carabiner	Steel Locking Snap Hook	2.5 lbs. (1.1 kg)
MFL-2-Z7/6FT	Steel Carabiner	Steel Locking Rebar Hook	3.4 lbs. (1.5 kg)
MFL-3-Z7/6FT	No unit connector	Steel Locking Snap Hook	2.0 lbs. (0.9 kg)
MFL-4-Z7/6FT	No unit connector	Steel Locking Rebar Hook	2.9 lbs. (1.3 kg)
MFL-5-Z7/6FT	No unit connector	Steel Locking Swivel Snap Hook	2.1 lbs. (1.0 kg)
MFL-6-Z7/6FT	No unit connector	Steel Locking Swivel Rebar Hook	2.7 lbs. (1.2 kg)
MFL-7/6FT	D-Ring Swivel Hook	Steel Locking Snap Hook	2.3 lbs. (1.0 kg)
MFL-8/6FT	D-Ring Swivel Hook	Steel Locking Rebar Hook	3.0 lbs. (1.4 kg)
MFL-9-Z7/6FT	Steel Locking Snap Hook	Steel Locking Snap Hook	2.7 lbs. (1.2 kg)
MFL-10-Z7/6FT	Steel Locking Snap Hook	Steel Locking Rebar Hook	3.6 lbs. (1.6 kg)
MFL-11-Z7/6FT	Aluminum Carabiner	Aluminum Locking Snap Hook	1.9 lbs. (0.86 kg)
MFL-12-Z7/6FT	Aluminum Carabiner	Aluminum Locking Rebar Hook	2.6 lbs. (1.2 kg)
MFL-14-Z7/6FT	Aluminum Locking Snap Hook	Aluminum Locking Snap Hook	2.5 lbs. (1.1 kg)
MFL-15-Z7/6FT	Aluminum Locking Snap Hook	Aluminum Locking Rebar Hook	3.3 lbs. (1.5 kg)
MFL-16-Z7/6FT	No unit connector	Aluminum Locking Snap Hook	1.9 lbs. (0.86 kg)
MFL-17-Z7/6FT	No unit connector	Aluminum Locking Rebar Hook	2.8 lbs. (1.3 kg)
<b>9-ft. Models</b>			
MFL-1-Z7/9FT	Steel Carabiner	Steel Locking Snap Hook	2.9 lbs. (1.3 kg)
MFL-3-Z7/9FT	No unit connector	Steel Locking Snap Hook	2.4 lbs. (1.1 kg)
MFL-5-Z7/9FT	No unit connector	Steel Locking Swivel Snap Hook	2.6 lbs. (1.2 kg)
MFL-9-Z7/9FT	Steel Locking Snap Hook	Steel Locking Snap Hook	3.1 lbs. (1.4 kg)
MFL-11-Z7/9FT	Aluminum Carabiner	Aluminum Locking Snap Hook	2.5 lbs. (1.1 kg)
MFL-12-Z7/9FT	Aluminum Carabiner	Aluminum Locking Rebar Hook	3.4 lbs. (1.5 kg)
MFL-14-Z7/9FT	Aluminum Locking Snap Hook	Aluminum Locking Snap Hook	2.8 lbs. (1.3 kg)
MFL-15-Z7/9FT	Aluminum Locking Snap Hook	Aluminum Locking Rebar Hook	3.6 lbs. (1.6 kg)
MFL-16-Z7/9FT	No unit connector	Aluminum Locking Snap Hook	2.3 lbs. (1.0 kg)
MFL-17-Z7/9FT	No unit connector	Aluminum Locking Rebar Hook	3.1 lbs. (1.4 kg)
Note: Locking snap hook – 3/4-in. (19 mm) gate opening. Locking rebar hook – 2-1/2-in. (63 mm) gate opening. All connectors include 3,600-lb. gate-strength			



Aluminum Carabiner



Steel Locking Snap Hook



Without Unit Connector



Aluminum Locking Snap Hook



Aluminum Rebar Hook



Steel Locking Swivel Rebar Hook

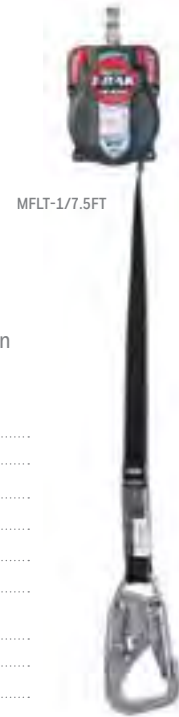
## Miller Turbo T-BAK™ Personal Fall Limiters

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

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

SKU	Description and Unit Connector	Weight
<b>Miller Turbo T-BAK™ Personal Fall Limiter</b>		
MFLT-1/7.5FT	Turbo T-BAK without unit connector	2.6 lbs. (1.2 kg)
MFLT-2/7.5FT	Turbo T-BAK with steel carabiner	3.2 lbs. (1.5 kg)
MFLT-3/7.5FT	Turbo T-BAK with lightweight, aluminum carabiner	2.8 lbs. (1.3 kg)
MFLT-5/7.5FT	Turbo T-BAK with steel locking snap hook with 3/4-in. gate opening	3.3 lbs. (1.5 kg)
<b>Miller Twin Turbo T-BAK™ Fall Protection System</b>		
MFLTC-1/7.5FT	Twin Turbo G2 Connector with two (2) MFLT-1/7.5FT Turbo T-BAK units	5.7 lbs. (2.6 kg)
MFLTB-1/7.5FT	Twin Turbo D-ring Connector with two (2) MFLT-1/7.5FT Turbo T-BAK units	6.1 lbs. (2.8 kg)

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



## Miller Twin Turbo™ Fall Protection System with G2 Connector

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

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



MFLC/

SKU	Unit Connector	Lanyard End Connector	Weight
<b>6-ft. Systems</b>			
MFLC-3-Z7/6FT	Twin Turbo G2 Connector	Steel Locking Snap Hooks	4.6 lbs. (2.1 kg)
MFLC-4-Z7/6FT	Twin Turbo G2 Connector	Steel Locking Rebar Hooks	6.6 lbs. (2.9 kg)
MFLC-11-Z7/6FT	Twin Turbo G2 Connector	Aluminum Locking Snap Hooks	4.2 lbs. (1.9 kg)
MFLC-12-Z7/6FT	Twin Turbo G2 Connector	Aluminum Locking Rebar Hooks	5.8 lbs. (2.6 kg)
<b>9-ft. Systems</b>			
MFLC-3-Z7/9FT	Twin Turbo G2 Connector	Steel Locking Snap Hooks	5.2 lbs. (2.4 kg)
MFLC-11-Z7/9FT	Twin Turbo G2 Connector	Aluminum Locking Snap Hooks	4.9 lbs. (2.2 kg)
MFLC-12-Z7/9FT	Twin Turbo G2 Connector	Aluminum Locking Rebar Hooks	6.6 lbs. (2.9 kg)
SKU	Description	Weight	
<b>Twin Turbo G2 Connector and Components</b>			
MFLC/	Twin Turbo G2 Connector Kit – includes MFLC-1/, MFLC-2/, and MFLC-3/	0.37 lbs. (0.17 kg)	
MFLC-1/	Aluminum Carabiner	0.29 lbs. (0.13 kg)	
MFLC-2/	G2 Webbing Retainer Clip	0.04 lbs. (0.02 kg)	
MFLC-3/	G2 D-Pad Connector Clip	0.04 lbs. (0.02 kg)	

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



MFLC-12-Z7/9FT

# Miller Twin Turbo™ Fall Protection Systems with D-Ring Connector

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

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



Watch Video

MFLB/



MFLB-4-Z7/6FT



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

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

# Miller Scorpion™ Personal Fall Limiters

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



PFL-4-Z7/9FT

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

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

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

## Miller Black Rhino™ Self-Retracting Lifelines

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

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

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

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



CFL-1-Z7/9FT

## Miller Retractable Web Lanyards

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

8327A-Z7/10FTYL



SKU	Description	Weight
8327-Z7/10FTYL	10-ft. (3 m) of polyester webbing, complete with a top-swivel shackle, steel carabiner and an aluminum snap hook	3.7 lb. (1.7 kg)
8327A-Z7/10FTYL	10-ft. (3 m) of polyester webbing, with a top-swivel shackle unit connector and aluminum locking snap hook	3.7 lb. (1.7 kg)
AD6902-Z7/8FTYL	8-ft. (2.4 m) of polyester webbing, with a top-swivel shackle and steel carabiner on anchorage and lanyard ends	3.7 lb. (1.7 kg)

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

## Miller MiniLite® Fall Limiters

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

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

FL11-1-Z7/11FT



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

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



## Miller Cab Mount Brackets and Kits

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

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



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



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



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

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

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

## Miller Falcon™ Self-Retracting Lifelines

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

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



MP16P-Z7/16FT

MP50G-Z7/50FT

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

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



## Miller DuraSeal™ Self-Retracting Lifelines



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

- 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



SSRL17552

### 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.



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.



Watch Lifeline Replacement Steps

For full step-by-step instructions, visit [millerfallprotection.com](http://millerfallprotection.com)

SKU	Length	Lifeline Material	Weight	Dimensions:		
				Length	Width	Depth
<b>Miller DuraSeal™ Sealed SRL with cable sling, tagline and 2 carabiners</b>						
SSRL50G1	50-ft. (15 m)	Galvanized Steel	27.3 lb. (12 kg)	12.8-in. (325 mm)	11.8-in. (300 mm)	4.9-in. (125 mm)
SSRL50S1	50-ft. (15 m)	Stainless Steel	27.3 lb. (12 kg)	12.8-in. (325 mm)	11.8-in. (300 mm)	4.9-in. (125 mm)
SSRL100G1	100-ft. (30 m)	Galvanized Steel	59.7 lb. (27 kg)	15.7-in. (399 mm)	14.4-in. (366 mm)	6.6-in. (168 mm)
SSRL100S1	100-ft. (30 m)	Stainless Steel	59.7 lb. (27 kg)	15.7-in. (399 mm)	14.4-in. (366 mm)	6.6-in. (168 mm)
SSRL130G1	130-ft. (40 m)	Galvanized Steel	61.7 lb. (28 kg)	15.7-in. (399 mm)	14.4-in. (366 mm)	6.6-in. (168 mm)
SSRL130S1	130-ft. (40 m)	Stainless Steel	61.7 lb. (28 kg)	15.7-in. (399 mm)	14.4-in. (366 mm)	6.6-in. (168 mm)
SSRL175G1	175-ft. (53 m)	Galvanized Steel	76.5 lb. (35 kg)	15.7-in. (399 mm)	14.4-in. (366 mm)	7.8-in. (198 mm)
SSRL175S1	175-ft. (53 m)	Stainless Steel	76.5 lb. (35 kg)	15.7-in. (399 mm)	14.4-in. (366 mm)	7.8-in. (198 mm)
<b>Miller DuraSeal™ Sealed SRL with cable sling, tagline, and 2 carabiners and 4-hole mounting plate</b>						
SSRL100G2	100-ft. (30 m)	Galvanized Steel	61 lb. (28 kg)	15.7-in. (399 mm)	14.4-in. (366 mm)	6.6-in. (168 mm)
SSRL100S2	100-ft. (30 m)	Stainless Steel	61 lb. (28 kg)	15.7-in. (399 mm)	14.4-in. (366 mm)	6.6-in. (168 mm)
SSRL130G2	130-ft. (40 m)	Galvanized Steel	63 lb. (29 kg)	15.7-in. (399 mm)	14.4-in. (366 mm)	6.6-in. (168 mm)
SSRL130S2	130-ft. (40 m)	Stainless Steel	63 lb. (29 kg)	15.7-in. (399 mm)	14.4-in. (366 mm)	6.6-in. (168 mm)
SSRL175G2	175-ft. (53 m)	Galvanized Steel	77.9 lb. (35 kg)	15.7-in. (399 mm)	14.4-in. (366 mm)	7.8-in. (198 mm)
SSRL175S2	175-ft. (53 m)	Stainless Steel	77.9 lb. (35 kg)	15.7-in. (399 mm)	14.4-in. (366 mm)	7.8-in. (198 mm)

ATTACHING WITH  
CARABINER



ATTACHING WITH  
4-BOLT HOLE  
PATTERN



SKU	Description	Weight
<b>Miller Rapid Replace Lifeline Kits (include the cable assembly, a rubber plug, two shoulder screws, two entry guide screws, and two RFID clips)</b>		
SSRL50GRR	50-ft. (15 m) Galvanized Replacement Cable Kit	4.8 lb. (2.2 kg)
SSRL50SRR	50-ft. (15 m) Stainless Steel Replacement Cable Kit	4.8 lb. (2.2 kg)
SSRL100GRR	100-ft. (30 m) Galvanized Replacement Cable Kit	8.4 lb. (3.5 kg)
SSRL100SRR	100-ft. (30 m) Stainless Steel Replacement Cable Kit	8.4 lb. (3.5 kg)
SSRL130GRR	130-ft. (40 m) Galvanized Replacement Cable Kit	9.9 lb. (4.5 kg)
SSRL130SRR	130-ft. (40 m) Stainless Steel Replacement Cable Kit	9.9 lb. (4.5 kg)
SSRL175GRR	175-ft. (53 m) Galvanized Replacement Cable Kit	12.9 lb. (5.9 kg)
SSRL175SRR	175-ft. (53 m) Stainless Steel Replacement Cable Kit	12.9 lb. (5.9 kg)

**You Tube**

Watch Video



# Miller MightyLite™ Self-Retracting Lifelines

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

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



SKU	Description	Length	Weight
RL20P-Z7/20FT	Polyester webbing (1-in. [25 mm]) w/tagline & carabiner	20-ft. (6 m)	11 lb. (5.0 kg)
RL20G-Z7/20FT	Galvanized cable (3/16-in. [5 mm]) w/tagline & carabiner	20-ft. (6 m)	12 lb. (5.4 kg)
RLS30G-Z7/30FT	Galvanized cable (3/16-in. [5 mm]) w/tagline & carabiner	30-ft. (9 m)	14 lb. (6.4 kg)
RL50G-Z7/50FT	Galvanized cable (3/16-in. [5 mm]) w/tagline & carabiner	50-ft. (15 m)	22 lb. (10.0 kg)
RL50P-Z7/50FT	Polyester webbing (1-in. [25 mm]) w/tagline & carabiner	50-ft. (15 m)	21 lb. (9.5 kg)
RL65G-Z7/65FT	Galvanized cable (3/16-in. [5 mm]) w/tagline & carabiner	65-ft. (20 m)	30 lb. (10.4 kg)
RL100G-Z7/100FT	Galvanized cable (3/16-in. [5 mm]) w/tagline & carabiner	100-ft. (30 m)	53 lb. (24.0 kg)
RL130G-Z7/130FT	Galvanized cable (3/16-in. [5 mm]) w/tagline & carabiner	130-ft. (40 m)	56 lb. (25.4 kg)
RL175G-Z7/175FT	Galvanized cable (3/16-in. [5 mm]) w/tagline & carabiner	175-ft. (53 m)	70 lb. (31.8 kg)
RL20SS-Z7/20FT	Stainless steel cable (3/16-in. [5 mm]) w/tagline & carabiner	20-ft. (6 m)	12 lb. (5.4 kg)
RLS30SS-Z7/30FT	Stainless steel cable (3/16-in. [5 mm]) w/tagline & carabiner	30-ft. (9 m)	14 lb. (6.4 kg)
RL50SS-Z7/50FT	Stainless steel cable (3/16-in. [5 mm]) w/tagline & carabiner	50-ft. (15 m)	21 lb. (9.5 kg)
RL65SS-Z7/65FT	Stainless steel cable (3/16-in. [5 mm]) w/tagline & carabiner	65-ft. (20 m)	24 lb. (10.9 kg)
RL100SS-Z7/100FT	Stainless steel cable (3/16-in. [5 mm]) w/tagline & carabiner	100-ft. (30 m)	54 lb. (24.5 kg)
RL130SS-Z7/130FT	Stainless steel cable (3/16-in. [5 mm]) w/tagline & carabiner	130-ft. (40 m)	56 lb. (25.4 kg)
RL175SS-Z7/175FT	Stainless steel cable (3/16-in. [5 mm]) w/tagline & carabiner	175-ft. (53 m)	70 lb. (31.8 kg)

Also available with a stainless steel swivel top and stainless steel swivel snap hook. To order, add an "S" to corresponding model number (Ex: RL20SS-S/20FT). Note: Locking Snap Hook – 3/4-in. (19 mm) gate opening; Locking Rebar Hook – 2-1/2-in. (64 mm) gate opening. All connectors include 3,600-lb. gate-strength.

# Miller MightyLite™ Leading Edge Self-Retracting Lifeline

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

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

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



# Lanyards



Watch Video

## Hybrid Energy-Absorbing Lanyards

No more guessing. No more worries. One Hybrid Lanyard.

Now, for the first time to market, Honeywell has designed one lanyard that can be used by workers across weight classes, while still being CSA compliant. Honeywell Hybrid Energy-Absorbing Lanyards make choosing the right equipment a little easier, while reducing error and increasing safety!

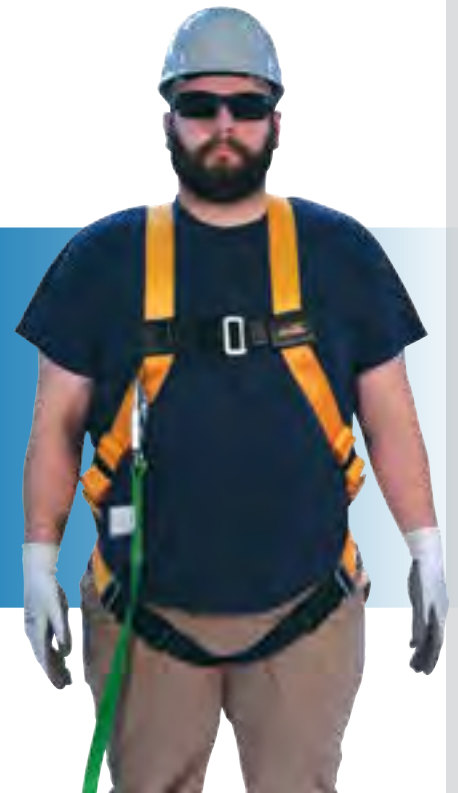
- Eliminates the need to carry two types of lanyards in stock
- One solution for CSA compliance in both E4 and E6 weight classes
- One lanyard solution eliminates the risk of error and increases safety
- Full product line featuring Miller® and North® fall protection (see pages 60 and 104)

**When a lanyard is misused, serious injuries may result.**

Honeywell Hybrid Energy-Absorbing Lanyards make choosing the right equipment a little easier, while reducing error and increasing safety.



**Class E4**  
100 lbs - 254 lbs



**Class E6**  
200 lbs - 386 lbs

	Model Number	Hardware	Number of Legs	Harness Connection	Anchorage Connection	Standard Length
Miller Hybrid SofStop® Energy-Absorbing Lanyard	HL-6FTSLS	Steel	One	Locking snap hook	Locking snap hook	6-ft (1.8 m)
	HL-6FTSLR		One		Locking rebar hook	
	HL-6FTDLS		Two		Locking snap hooks	
	HL-6FTDLR		Two		Locking rebar hooks	
	HL-AL6FTSLS	Aluminum	One		Locking snap hook	
	HL-AL6FTDLR		Two		Locking rebar hooks	
	HL-4FTSLS	Steel	One		Locking snap hook	4-ft (1.2 m)
	HL-4FTSLR		One		Locking rebar hook	
	HL-4FTDLS		Two		Locking snap hooks	
	HL-4FTDLR		Two		Locking rebar hooks	
	HL-AL4FTSLS	Aluminum	One		Locking snap hook	
	HL-AL4FTDLR		Two		Locking rebar hooks	
Miller Hybrid StretchStop® Energy-Absorbing Lanyard	HL-SS6FTSLS	Steel	One	Locking snap hook	Locking snap hook	6-ft (1.8 m)
	HL-SS6FTSLR		One		Locking rebar hook	
	HL-SS6FTDLS		Two		Locking snap hooks	
	HL-SS6FTDLR		Two		Locking rebar hooks	
	HL-SSAL6FTSLS	Aluminum	One		Locking snap hook	
	HL-SSAL6FTSLR		One		Locking rebar hook	
	HL-SSAL6FTDLR		Two		Locking rebar hooks	
Miller Hybrid BackBiter® Tie-Back Energy-Absorbing Lanyard	HL-B6FTSL	Steel	One	Locking snap hook	Locking Miller 5K® snap hook	6-ft (1.8 m)
	HL-B6FTDL		Two		Locking Miller 5K® snap hooks	
Miller Hybrid Vinyl Coated Energy-Absorbing Lanyard	HL-VC6FTSLS	Steel	One	Locking snap hook	Locking snap hook	6-ft (1.8 m)
	HL-VC6FTDLR		Two		Locking rebar hook	
Miller Hybrid SofStop® Energy-Absorbing Lanyard	HL-S/A	Steel	N/A	Locking snap hook	N/A	18-in. (457 mm)



Miller Hybrid SofStop® Energy-Absorbing Lanyard



Miller Hybrid StretchStop® Energy-Absorbing Lanyard



Miller Hybrid BackBiter® Tie-Back Energy-Absorbing Lanyard



Miller Hybrid Vinyl Coated Energy-Absorbing Lanyard



Miller Hybrid SofStop® Energy Absorber



North Hybrid Soft Pak Energy-Absorbing Lanyard

## Miller® Arc-Rated Shock-Absorbing Lanyards

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

933KR-Z7/6FTBKC



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

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

## Miller Manyard HP™ Shock-Absorbing Lanyards

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

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

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

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



216TWLS-Z7/6FTGNC



231TWRS-Z7/6FTGNC

# Miller Manyard® II Stretchable Shock-Absorbing Lanyards

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



216M-Z7/6FTGNC



231M-Z7/6FTGNC



**Manyard II Shock-Absorbing Lanyard: Before and After Deployment**

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

UNDEPLOYED LANYARD

**4 ft. (1.2 m)**

Lanyard expands 4 ft. (1.2 m) to 6 ft. (1.8 m)

DEPLOYED LANYARD

Inner core smoothly expands to reduce fall arrest forces

Unique warning flag indicates lanyard has been deployed

SKU	Material	Number of Legs	Harness Connection	Anchorage Connection	Special Features	Standard Length*
216M-Z7/6FTGNC	Webbing	One	Locking snap hook	Locking snap hook	Warning flag / Red core wear indicator	6-ft. (1.8 m)
219M-Z7/6FTGNC	Webbing	One	Locking snap hook	Locking rebar hook	Warning flag / Red core wear indicator	6-ft. (1.8 m)
231M-Z7/6FTGNC	Webbing	Two	Locking snap hook	Locking rebar hooks	Warning flag / Red core wear indicator	6-ft. (1.8 m)
232M-Z7/6FTGNC	Webbing	Two	Locking snap hook	Locking snap hooks	Warning flag / Red core wear indicator	6-ft. (1.8 m)
233MORS-Z7/6FTGNC	Webbing	One	Choke-off loop & "O" Ring extension	Locking rebar hook	Warning flag / Red core wear indicator	6-ft. (1.8 m)

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

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



## Miller “O-Ring” Option

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

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

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

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



Note: The Lanyard O-Ring Option is available on any Miller shock-absorbing lanyard, single- or double-legged lanyards.

To order, add an “O” as a suffix to the model number (Ex: 913B0; 913SS0).

## Miller Welding Lanyards

SKU	Material	Number of Legs	Harness Connection	Anchorage Connection	Special Features	Standard Length
907K-Z7/6FTBLC	1/4-in. (6 mm) cable	One	Locking snap hook	Locking snap hook	SofStop shock absorber w/Nomex cover & Kevlar core	6-ft. (1.8 m)
913K-Z7/6FTBLC	Nomex/Kevlar webbing	One	Locking snap hook	Locking snap hook	SofStop shock absorber w/Nomex cover & Kevlar core	6-ft. (1.8 m)



907K-Z7/6FTBL

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

## Miller StretchStop® Lanyards with SofStop® Shock Absorber

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

SKU	Material	Number of Legs	Harness Connection	Anchorage Connection	Standard Length*
913SS-Z7/6FTGNC	Webbing	One	Locking snap hook	Locking snap hook	6-ft. (1.8 m)
913RSS-Z7/6FTGNC	Webbing	One	Locking snap hook	Locking rebar hook	6-ft. (1.8 m)
8798SS-Z7/6FTGNC	Webbing	Two	Locking snap hook	Locking snap hooks	6-ft. (1.8 m)
8798RSS-Z7/6FTGNC	Webbing	Two	Locking snap hook	Locking rebar hooks	6-ft. (1.8 m)

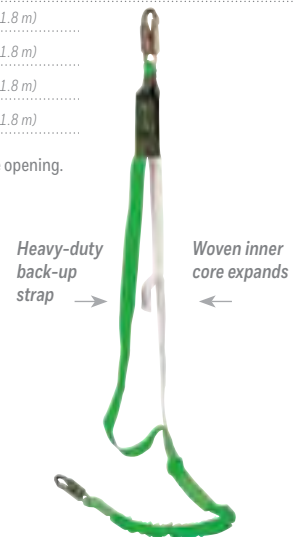
\*Available in lengths from 4-ft. (1.2 m) to 10-ft. (3 m). Locking Snap Hook – 3/4-in. (19 mm) gate opening; Locking Rebar Hook – 2-1/2-in. (64 mm) gate opening. All connectors include 3,600-lb. gate-strength.



913SS-Z7/6FTGN



8798RSS-Z7/6FTGN



Heavy-duty back-up strap →

← Woven inner core expands

# StretchStop® Lanyards with Rescue Loops and MAX SofStop® Shock Absorber

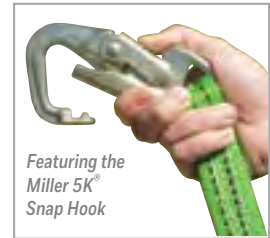
SKU	Description	Weight
940RSS-RR-Z7/6FTGN	6-ft. (1.8 m) Single Leg StretchStop® Lanyard with Metal Rescue Rings, Locking Snap Hook and Locking Rebar Hook	5.0 lbs. (2.3 kg)
980RSS-RR-Z7/6FTGN	Double Leg StretchStop® Lanyard with Metal Rescue Rings, Locking Snap Hook and Locking Rebar Hooks	3.5 lbs. (1.6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

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

## Miller BackBiter® Tie-Back Lanyards

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

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



SKU	Material	Number of Legs	Harness Connection	Anchorage Connection	Standard Length
913B/6FTGNC	Webbing	One	Locking snap hook	Locking 5K snap hook	6-ft. (1.8 m)
8798B/6FTGNC	Webbing	Two	Locking snap hook	Locking 5K snap hooks	6-ft. (1.8 m)

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



913B/6FTGNC



8798B/6FTGNC

## Miller HP™ Lanyards w/SofStop® Shock Absorber

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

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

SKU	Material	Number of Legs	Harness Connection	Anchorage Connection	Special Features	Standard Length
910TWLS-Z7/6FTGNC	Webbing	One	Locking snap hook	Locking snap hook	Adjustable	6-ft. (1.8 m)
913TWLS-Z7/6FTGNC	Webbing	One	Locking snap hook	Locking snap hook	–	6-ft. (1.8 m)
8798T-Z7/6FTGNC	Webbing	Two	Locking snap hook	Locking snap hooks	–	6-ft. (1.8 m)
8798TR-Z7/6FTGNC	Webbing	Two	Locking snap hook	Locking rebar hooks	–	6-ft. (1.8 m)
922TWRS-Z7/6FTGKC		one	Locking snap hook	locking rebar hook	–	6-ft. (1.8 m)
8878T-Z7/6FTGNC		two	Locking snap hook	locking snap hooks	Adjustable	6-ft. (1.8 m)
8878TR-Z7/6FTGNC		two	Locking snap hook	Locking rebar hooks	Adjustable	6-ft. (1.8 m)

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



913TWLS-Z7/6FTGNC



8798TR-Z7/6FTGNC

## Miller Vinyl-Coated Shock-Absorbing Lanyards

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

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



913PC/6FTGNC



8798PCR/6FTGNC

SKU	Material	Number of Legs	Harness Connection	Anchorage Connection	Standard Length
913PC/6FTGNC	Vinyl-coated webbing	One	Locking snap hook	Locking snap hook	6-ft. (1.8 m)
922PCR/6FTGNC	Vinyl-coated webbing	One	Locking snap hook	Locking rebar hook	6-ft. (1.8 m)
8798PC/6FTGNC	Vinyl-coated webbing	Two	Locking snap hook	Locking snap hooks	6-ft. (1.8 m)
8798PCR/6FTGNC	Vinyl-coated webbing	Two	Locking snap hook	Locking rebar hooks	6-ft. (1.8 m)

## Miller Rope, Cable and Web Lanyards with SofStop® Shock Absorber

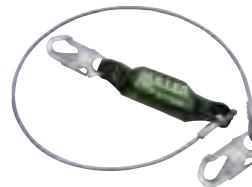
SofStop Shock Absorber pack is designed with a specially-woven inner core that smoothly expands to reduce fall arrest forces.



928LS-Z7/18INBK



901RLS-2/6FTWH



907NLS-Z7/6FTYL



910WLS/6FTYL

SKU	Material	Number of Legs	Harness Connection	Anchorage Connection	Special Features	Standard Length
928LS-Z7/18INYL	-	N/A	Locking snap hook	D-ring	-	18-in. (457 mm)
901RLS-2/6FTWH*	Rope	One	Locking snap hook	Locking snap hook	-	6-ft. (1.8 m)
903RLS-2/6FTWH*	Rope	One	Locking snap hook	Locking snap hook	Adjustable	4-ft. (1.2 m) to 6-ft. (1.8 m)
907LS-Z7/6FTYL	Cable rope	One	Locking snap hook	Locking snap hook	-	6-ft. (1.8 m)
907NLS-Z7/6FTYL	Vinyl-coated cable rope	One	Locking snap hook	Locking snap hook	-	6-ft. (1.8 m)
910WLS/6FTYL	Webbing	One	Locking snap hook	Locking snap hook	Adjustable	4-ft. (1.2 m) to 6-ft. (1.8 m)
913WLS-Z7/6FTYL	Webbing	One	Locking snap hook	Locking snap hook	-	6-ft. (1.8 m)
940WLS-Z7/6FTGN	Webbing	One	Locking snap hook	Locking snap hook	SofStop Double Pack**	6-ft. (1.8 m)
980WLS-Z7/6FTGN	Webbing	Two	Locking snap hook	Locking snap hook	SofStop Double Pack**	6-ft. (1.8 m)
8798/6FTYL	Webbing	Two	Locking snap hook	Locking snap hooks	-	6-ft. (1.8 m)
8798R/6FTYL	Webbing	Two	Locking snap hook	Locking rebar hooks	-	6-ft. (1.8 m)

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

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

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

# Miller HP™ & Miller Positioning and Restraint Lanyards

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

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



213TWLS-Z7/6FTGN



201RLS-2-Z7/6FTWH



207LS-Z7/6FTG

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

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

## Miller Positioning Assemblies

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

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



6756RS-Z7



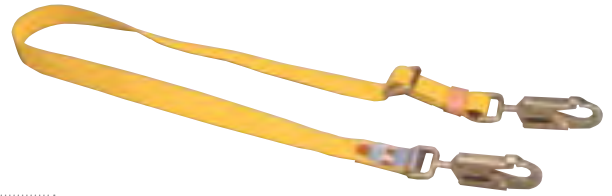
6757WRS-Z7/35INGN

## Miller Safety Straps

### NF Series

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

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



6NFLS-Z7/6FTYL

### YR Series

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

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



6YRLS-Z7/6FTBR

## Miller StopFall™ Fall Restraint System

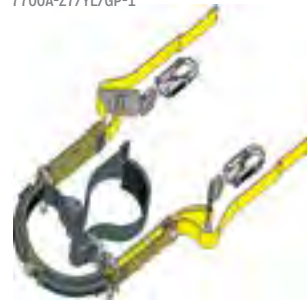
The Miller StopFall Fall Restraint Device was created for linemen by linemen to make pole climbing as safe, comfortable and convenient as possible, eliminating room for error and increasing safety.

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

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



7700A-Z7/YL/GP-1



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

# Rope Grabs and Vertical Lifelines

## Miller 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.

- Compact design; corrosion-resistant stainless steel construction
- Lightweight and easy to use
- Rated to 310-lbs. (140.6 kg) capacity



8175/C



8174/C

SKU	Description
8174/C	Manual rope grab - Stainless Steel manual rope grab w/ anti-panic feature for use with 5/8-in. (16mm) or 3/4-in. (19mm) rope
8174WLS/2FTYLC	Manual Rope Grab - 8174/C w/attached 2-ft. (0.6 m) web lanyard w/locking snap hook for use with 5/8-in. (16 mm) rope
8175/C	Trailing Rope Grab - Stainless steel trailing rope grab w/anti-panic feature for use with 5/8-in. (16 mm) rope
8175SLS/2FTYLC	Trailing Rope Grab - 8175/C with attached 2-ft. (0.6 m) SofStop shock-absorber for use with 5/8-in. (16 mm) rope
8175WLS/2FTYLC	Trailing Rope Grab - 8175/C with attached 2-ft. (0.6 m) web lanyard w/locking snap hook for use with 5/8-in. (16 mm) rope

Locking Snap Hook - 3/4-in. (19 mm) gate opening.

## Miller Lifelines

Synthetic rope lifeline with a minimum tensile strength of 5,000 lbs. (22 kN). Standard lifeline lengths are 25 ft. (7.6 m), 50 ft. (15 m), 75 ft. (23 m), and 100 ft. (30 m); additional lengths are available.

SKU	Description
300L-Z7/25FTBL	5/8-in. (16 mm) diameter copolymer blend rope w/locking snap hook & loop; 25-ft. (7.6 m)
300L-Z7/50FTBL	5/8-in. (16 mm) diameter copolymer blend rope w/locking snap hook & loop; 50-ft. (15 m)
300L-Z7/75FTBL	5/8-in. (16 mm) diameter copolymer blend rope w/locking snap hook & loop; 75-ft. (23 m)
300L-Z7/100FTBL	5/8-in. (16 mm) diameter copolymer blend rope w/locking snap hook & loop; 100-ft. (30 m)
194R-2/100FT	Nylon rope lifeline w/carabiner & thimble; 5/8-in. (16 mm) diameter; 100-ft. (30 m)
195R-5/100FTWH	Polyester rope lifeline for greater chemical resistance w/carabiner & thimble; 5/8-in. (16 mm) diameter; 100-ft. (30 m)
195R-2/100FTWH	Nylon rope lifeline w/thimbles; 5/8-in. (16 mm) diameter; 100-ft. (30 m)
195R-5/100FTWH	Polyester rope lifeline for greater chemical resistance w/thimbles; 5/8-in. (16 mm) diameter; 100-ft. (30 m)



8175WLS/2FTYLC



300L-Z7/100FTBL



## Miller Descent/Rescue and Confined Space

D

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# Miller DuraHoist™ Portable Confined Space Systems

## Complete Four-Piece Hoist/Winch Systems

DuraHoist Complete Four-Piece Confined Space Systems consist of a One-Piece Adjustable Mast (DH-3/) and Three-Piece Portable Base (DH-4/).

### Suggested applications:

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

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

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



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

[CLICK HERE](#)

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

## Adjustable Mast Options

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

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

Carrying bags are available. Refer to the Miller DuraHoist Confined Space Safety Systems brochure at [www.millerfallprotection.com](http://www.millerfallprotection.com).

**ONE-PIECE ADJUSTABLE MAST**

DH-3/

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

**TWO-PIECE UPPER MAST**

DH-21/

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

**LOWER MAST EXTENSIONS**

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



## Portable and Fixed Base Options

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

### Three-Piece Portable Base



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

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

DH-4/ – Maximum 29-in. (0.74 m) offset  
DH-24 – Maximum 48-in. (1.22 m) offset

### Manhole Collar



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

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

### Adjustable Barrel Mount Sleeve



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

thicknesses is required. Accommodates wall thicknesses up to a max. of 24 in. (0.61 m).  
DH-6/

### Floor Mount Sleeve



Mounts to horizontal concrete or steel structures.  
DH-7ZP/ – Zinc-plated, mild steel  
DH-7SS/ – Stainless steel

### Wall Mount Sleeve



Mounts to vertical concrete or steel structures. Compact design creates minimal intrusion into work space.

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

### Core Mount Sleeve



Designed for slip-in installation into a 4-in. (0.10 m) diameter core hole in concrete or in an existing steel structure.

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

### Barrel Mount Sleeve w/3.5-in. (0.09 m) Opening



Eight independent clamping screws allow temporary installations over edges of shoring cans, walls and other structures.  
DH-5/

### Flush Floor Mount Sleeve



Eliminates the potential trip hazard presented by other floor mount sleeves. Installs into a 4-in. (0.10 m) diameter core hole in concrete or in an existing steel structure.

DH-20ZP/ – Zinc-plated, mild steel  
DH-20SS/ – Stainless steel

### Vehicle Hitch Mount Sleeve



Designed to install into a 2-in. (0.05 m) receiver to provide a portable anchor point for confined space entry/retrieval, rescue and fall arrest applications.

DH-12/ – Maximum 29-in. (0.74 m) offset  
DH-25 – Maximum 48-in. (1.22 m) offset

## Accessories

SKU	Description	Weight
DH-18/	Equipment Cart for DuraHoist Four-Piece Hoist System (DH-1/, DH-2/)	40 lbs. (18.1 kg)
DH-18DC/	Dust Cover for the DuraHoist Equipment Cart	2 lbs. (0.91 kg)
DH-4WK/	Wheel Kit (two wheels) for the DuraHoist Three-Piece Base (DH-4/)	30 lbs. (13.6 kg)

Carrying bags are available. Refer to the Miller DuraHoist Confined Space Safety Systems brochure at [www.millerfallprotection.com](http://www.millerfallprotection.com).


DH-18/




DH-4WK/



## Miller Hoists/Winches and Mounting Brackets



Miller ManHandler® Hoist/Winch



Miller MightEvac® Self-Retracting Lifeline w/Emergency Retrieval Hoist

*For detailed information on these products, refer to pages 74 and 75 of this catalog.*

The Complete Mounting Bracket Assembly (DH-19-MILLER/) is **required** to mount a Miller ManHandler Hoist/Winch or a Miller MightEvac SRL to the DuraHoist Portable Confined Space System.

SKU	Description	Weight
DH-19-MILLER/	Complete Mounting Bracket Assembly	3.1 lbs. (1.4 kg)
DH-19/	Winch Mount Bracket	1.6 lbs. (0.73 kg)
DH-AB-MILLER/	Adapter Bracket for Miller MightEvac SRL (Requires a DH-19/ Bracket)	1.5 lbs. (0.68 kg)

DH-19-MILLER/

(Assembly of DH-19/ bracket and DH-AB-MILLER/ bracket)



DH-AB-MILLER/



DH-19/



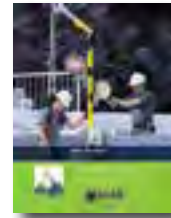
# Miller DuraHoist™

## Portable Fall Arrest Post and Extension Post

Provides three independent swivel tie-off points for fall arrest anchorage (*three worker maximum in any configuration*). Suggested Applications: Electrical transformers, leading edge deck work, confined space and rescue, industrial presses, bridge cranes, large cranes, and limited horizontal lifeline applications.

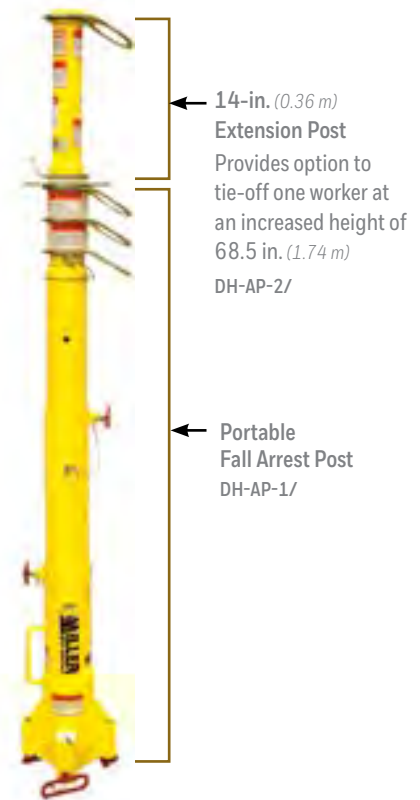
- Three-stage/four-position telescoping design and aluminum construction for easy transportation and set-up
- Leveling screws allow the system to be plumbed to vertical on inclines up to 15 degrees
- Portable and fixed bases allow for versatile usage

SKU	Description	Weight
DH-AP-1/	Portable Fall Arrest Post	38 lb. (17.2 kg)
DH-AP-2/	14-in. (0.36 m) Extension Post	4.5 lb. (2.0 kg)



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

[CLICK HERE](#)



# Miller DuraHoist™

## Rescue/Material Handling Davit Arm

- Designed for rescue and material handling applications
- Quick-attach design assembles easily
- Lightweight aluminum construction makes davit arm easy to transport and set-up

SKU	Description	Weight
DH-AP-3/	Rescue/Material Handling Davit Arm	20.5 lbs. (9.3 kg)



Watch Video

## Miller TechLine™ Temporary Horizontal Lifeline (HLL) System Kits



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

- Kits include:
- 11/16-in. (17.5 mm) kernmantle rope lifeline
  - Two connecting O-rings
  - In-line shock absorber
  - Lifeline adjuster/tensioner
  - Snap hook

SKU	Maximum Span	No. of O-rings	No. of Workers
HLLR2-L/30FT	30 ft. (9 m)	2	2 workers
HLLR2-L/60FT	60 ft. (18 m)	2	2 workers

## Miller DuraHoist™ Anchor Base and Anchor Plates

### Portable Anchor Base and Anchor Plate



**Portable I-beam Anchor Base**  
Attaches to steel I-beams.  
DH-AP-9/



**Bolt-on Anchor Plate**  
For use in concrete or steel applications (portable or permanent)  
DH-AP-12/

### Fixed Anchor Plates

Designed to be permanently welded to existing structures in locations of frequent work, or where the use of a portable base is impractical.

Plates for inclined surfaces (DH-AP-6/, DH-AP-7/) can be customized to your specific incline requirements up to a maximum of 45 degrees.



**Plate w/Tie-off Anchor**  
DH-AP-4/



**Standard Plate**  
DH-AP-5/



**Plate for Inclined Surfaces w/Tie-off Anchor**  
DH-AP-6/



**Plate for Inclined Surfaces**  
DH-AP-7/

## Miller Hoists/Winches and Mounting Brackets

Miller MightEvac®  
Self-Retracting  
Lifeline w/Emergency  
Retrieval Hoist

Miller ManHandler®  
Hoist/Winch

*For detailed information on these products, refer to pages 74 and 75 in this catalog.*

**Adapter plate for mounting DH-AB-Miller/ to DH-AP-3/ DH-AP-10/**

**Assembly of DH-AP-10/ and DH-AB-Miller/ DH-AP-11/**

**Adapter bracket for DBI winch**  
DH-AB-DBI/

**Flat quick mount bracket**  
DH-AP-8/

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

[CLICK HERE](#)

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

Descent/Rescue and Confined Space

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# Miller MightEvac<sup>®</sup>

## Self-Retracting Lifelines with Emergency Retrieval Hoist

Miller MightEvac Self-Retracting Lifelines combine the superior performance and reliability of the best-selling MightyLite Self-Retracting Lifeline Series with a quick-activating retrieval mechanism for emergency evacuation.

- 20% lighter than competitive models provides significant long-term savings and lowers cost of ownership
- Promotes quick and easy rescue with a 4:1 mechanical advantage (average speed of 25-ft. [8 m] per minute)
- For emergency evacuation only
- Corrosion-resistant stainless steel & aluminum components
- Convenient, heavy-duty carrying handle
- 310-lbs. (140.6 kg) working capacity

Available in galvanized or stainless steel cable in lengths of 50-ft. (15 m), 100-ft. (30 m) and 130-ft. (40 m). Kevlar rope models available in lengths of 40-ft. (12 m) MR40KB-Z7/40FT, and 80-ft. (24 m) MR80KB-Z7/80FT.



MR100GB-Z7/100FT

SKU	Description	Weight
MR50GB-Z7/50FT	MightEvac w/50-ft. (15 m) of 3/16-in. (5 mm) galvanized cable w/mounting bracket & pulley	39 lbs. (18 kg)
MR100GB-Z7/100FT	MightEvac w/100-ft. (30 m) of 3/16-in. (5 mm) galvanized cable w/mounting bracket & pulley	59 lbs. (27 kg)
MR130GB-Z7/130FT	MightEvac w/130-ft. (40 m) of 3/16-in. (5 mm) galvanized cable w/mounting bracket & pulley	64 lbs. (29 kg)
MR50SB-Z7/50FT	MightEvac w/50-ft. (15 m) of 3/16-in. (5 mm) stainless steel cable w/mounting bracket & pulley	39 lbs. (18 kg)
MR100SB-Z7/100FT	MightEvac w/100-ft. (30 m) of 3/16-in. (5 mm) stainless steel cable w/mounting bracket & pulley	59 lbs. (27 kg)
MR130SB-Z7/130FT	MightEvac w/130-ft. (40 m) of 3/16-in. (5 mm) stainless steel cable w/mounting bracket & pulley	64 lbs. (29 kg)
MR40KB-Z7/40FT	MightEvac w/ 40-ft. (12 m) of Kevlar rope w/ mounting bracket & pulley	29-lbs. (13 kg)
MR80KB-Z7/80FT	MightEvac w/ 80-ft. (24 m) of Kevlar rope w/ mounting bracket & pulley	46-lbs. (21 kg)

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

## Miller Complete Confined Space Entry and Rescue Systems

SKU	Description
MR50GC-Z7/50FT	MightEvac w/50-ft. (15 m) of 3/16-in. (5 mm) galvanized cable / 7-ft. (2 m) tripod / mounting bracket
MR100GC-Z7/100FT	MightEvac w/100-ft. (30 m) of 3/16-in. (5 mm) galvanized cable / 7-ft. (2 m) tripod / mounting bracket
MR130GC-Z7/130FT	MightEvac w/130-ft. (40 m) of 3/16-in. (5 mm) galvanized cable / 7-ft. (2 m) tripod / mounting bracket
MR50GX-Z7/50FT	MightEvac w/50-ft. (15 m) of 3/16-in. (5 mm) galvanized cable / 9-ft. (2.7 m) tripod / mounting bracket
MR100GX-Z7/100FT	MightEvac w/100-ft. (30 m) of 3/16-in. (5 mm) galvanized cable / 9-ft. (2.7 m) tripod / mounting bracket
MR130GX-Z7/130FT	MightEvac w/130-ft. (40 m) of 3/16-in. (5 mm) galvanized cable / 9-ft. (2.7 m) tripod / mounting bracket
MR50GCM-Z7/50FT	MightEvac w/50-ft. (15 m) of 3/16-in. (5 mm) galvanized cable / ManHandler Hoist w/65-ft. (20 m) of 3/16-in. (4.8 mm) galvanized cable / 7-ft. (2 m) tripod / mounting bracket
MR100GCM-Z7/100FT	MightEvac w/ 100-ft. (30 m) of 3/16-in. (5 mm) galvanized cable / ManHandler w/ 100-ft. (30 m) of 3/16-in. (5 mm) galvanized cable / 7-ft. (2 m) tripod/ mounting bracket
MR130GCM-Z7/130FT	MightEvac w/ 130-ft. (40 m) of 3/16-in. (5 mm) galvanized cable / ManHandler w/ 100-ft. (30 m) of 3/16-in. (5 mm) galvanized cable / 7-ft. (2 m) tripod/ mounting bracket
MR50GXM-Z7/50FT	MightEvac w/50-ft. (15 m) of 3/16-in. (5 mm) galvanized cable / ManHandler Hoist w/65-ft. (20 m) of 3/16-in. (4.8 mm) galvanized cable / 9-ft. (2.7 m) tripod / mounting bracket
MR100GXM-Z7/100FT	MightEvac w/ 100-ft. (30 m) of 3/16-in. (5 mm) galvanized cable / ManHandler w/ 100-ft. (30 m) of 3/16-in. (5 mm) galvanized cable / 9-ft. (2.7 m) tripod/ mounting bracket
MR130GXM-Z7/130FT	MightEvac w/ 130-ft. (40 m) of 3/16-in. (5 mm) galvanized cable / ManHandler w/ 100-ft. (30 m) of 3/16-in. (5 mm) galvanized cable / 9-ft. (2.7 m) tripod/ mounting bracket



Note: Confined Space Systems also include a pulley, carabiner and two heavy-duty equipment bags. For stainless steel wire rope, change the "G" to an "S" in the corresponding SKU number (Ex: MR50GC/50FT becomes MR50SC/50FT and MR130GC/130FT becomes MR130SC/130FT). Note: ManHandler Hoist only available in 65-ft. (20 m) and 100-ft. (30 m) lengths. Locking Snap Hook - 3/4-in. (19 mm) gate opening. All connectors include 3,600-lb. gate-strength.

## 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
- 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
- 400-lbs. (181.4 kg) working capacity

SKU	Description
8442-Z7/65FT	ManHandler Hoist w/65-ft. (20 m) of 3/16-in. (5 mm) galvanized cable
8442GC-Z7/65FT	ManHandler Hoist w/65-ft. (20 m) of 3/16-in. (5 mm) galvanized cable & 7-ft. (2 m) tripod
8442-Z7/100FT	ManHandler Hoist w/100-ft. (30 m) of 3/16-in. (5 mm) galvanized cable
8442GC-Z7/100FT	ManHandler Hoist w/100-ft. (30 m) of 3/16-in. (5 mm) galvanized cable & 7-ft. (2 m) tripod
8440-Z7/60FTBR	Material Winch w/60-ft. (18 m) of 3/16-in. (5 mm) galvanized cable
8441-Z7/88FT	Material Winch w/88-ft. (27 m) of 3/16-in. (5 mm) galvanized cable

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



## Miller Tripod

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

- Available in 7-ft. (2 m) and 9-ft. (2.7 m) models
- High-strength aluminum construction
- Withstands up to 5,000-lbs. (22 kN) of vertical pull
- Adjustable legs with integral push pins, ideal for uneven surfaces
- Independent leg locking feature holds legs securely in place
- Safety chain and tripod feet with rubber skid pads and serrated edge prevent slippage in icy conditions
- Includes reflective tape

SKU	Description
51/7FT	7-ft. (2 m) high-strength aluminum Tripod
51X/9FT	9-ft. (2.7 m) high-strength aluminum Tripod



# Miller SafEscape™ ELITE Rescue/Descent Device (RDD)

The new 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. (500 m) lifeline descent capacity
- Lightweight and compact design
- Optional hoisting wheel and/or ladder bracket available
- Convenient kit options available



## RDD Kits

SKU	Description
SECRKT/75FT*	Crane Rescue Kit – Kit includes Miller SafEscape ELITE RDD, rescue harness, cross-arm strap, retrieval yoke & rescue bag
SEWPKT/75FT*	Wind Energy Kit – Kit includes Miller SafEscape ELITE RDD with hoisting wheel & ladder bracket, T-bar, edge protector, 3 anchor slings, 3 carabiners, pulley, adjustable rope anchor, rescue rope grab, accessory bag & kit bag
SEWPKTC/75FT*	Wind Energy Kit with Humidity-Resistant Storage Case – Kit includes Miller SafEscape ELITE RDD with hoisting wheel & ladder bracket, T-bar, edge protector, 3 anchor slings, 3 carabiners, pulley, adjustable rope anchor, rescue rope grab & humidity-resistant storage case

\*Specify length – standard lengths starting at 50-ft. (15 m) increasing by 25-ft. (8 m) increments up to 300-ft. (91 m). Additional lengths available upon request.

## Basic Models

SKU	Description
SE/75FT*	Miller SafEscape ELITE RDD – Also includes anchor slings & rescue bag
SEHW/75FT*	Miller SafEscape ELITE RDD w/Hoisting Wheel – Also includes anchor slings & rescue bag
SEHWLB/75FT*	Miller SafEscape ELITE RDD w/Hoisting Wheel & Ladder Bracket – Also includes anchor slings, adjustable rope anchor & rescue bag

\*Specify length – standard lengths starting at 50 ft. (15 m) increasing by 25-ft. (8 m) increments up to 300 ft. (91 m). Additional lengths available upon request.

## Accessories

SKU	Description
SE-LB/	Ladder Bracket & Adapter
SE-AS/4.0FT	Anchor Sling, 4 ft. (1 m)
SE-AS/2.5FT	Anchor Sling, 2.5 ft. (0.8 m)
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 M (50-ft. to 200-ft. [15 m to 61 m]) lifeline
SE-BAG/L	Wind Energy Kit Rescue Bag fits L (200-ft. + [61 m]) lifeline
000127/200FTRD	Miller SafEscape Rescue Bag fits 50-ft. to 200-ft. (15 m to 61 m) lifeline
000127/250FTRD	Miller SafEscape Rescue Bag fits 225-ft. to 250-ft. (69 m to 76 m) lifeline
000127/300FTRD	Miller SafEscape Rescue Bag fits 275-ft. to 300-ft. (84 m to 91 m) lifeline
17D-1/	1-in. z Carabiner
8477H/YL	Accessory Bag
000109/URB	Rescue Harness
8185/6FTGN	Looped Cross-Arm Strap Anchorage Connector
6490RYLS/5FT	Retrieval Yoke



SEWPKT/75FT

SEWPKTC/75FT



SEHWLB/75FT



Watch Video

## Miller QuickPick™ Rescue Kits

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

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

### Premium QuickPick Rescue Kits

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

### Standard QuickPick Rescue Kits

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



SKU	Description	Maximum Capacity	Product Weight
<b>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.</b>			
QP/25FT	25-ft. (7.6 m) Working Length System	400-lbs. (181.4 kg)	22.9 lbs. (10.3 kg)
QP/50FT	50-ft. (15 m) Working Length System	400-lbs. (181.4 kg)	30.4 lbs. (13.7 kg)
QP/75FT	75-ft. (22.9 m) Working Length System	400-lbs. (181.4 kg)	37.9 lbs. (17.1 kg)
QP/100FT	100-ft. (30 m) Working Length System	400-lbs. (181.4 kg)	45.4 lbs. (20.5 kg)
<b>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.</b>			
QP-1/25FT	25-ft. (7.6 m) Working Length System	310-lbs. (140.6 kg)	17.6 lbs. (7.9 kg)
QP-1/50FT	50-ft. (15 m) Working Length System	310-lbs. (140.6 kg)	25.1 lbs. (11.3 kg)
QP-1/75FT	75-ft. (22.9 m) Working Length System	310-lbs. (140.6 kg)	32.6 lbs. (14.7 kg)
QP-1/100FT	100-ft. (30 m) Working Length System	310-lbs. (140.6 kg)	40.1 lbs. (18.1 kg)
<b>Components</b>			
QP-EP	12-ft. (3.7 m) Rescue Pole with Carabiner Clip, Carabiner, Pigtail, Miller WristBandit™ Tool Lanyard and bag	-	5.7 lbs. (2.5 kg)
QP-SC	Replacement Carabiner Clip	-	0.1 lbs. (0.04 kg)
QP-RHA	Rope Control Handle	400-lbs. (181.4 kg)	0.5 lbs. (0.2 kg)



Watch Video

# 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. Should an emergency rescue situation occur, a top-side worker may activate the system to retrieve the user.

Ideal for refineries, grain elevators, subways, fire departments, breweries, chairlifts, window washing, confined spaces, shipbuilding, transmission towers, power plants, offshore drilling and bridge inspection.

- Aluminum head assembly with roller pulley and anti-reversing lock
- Kernmantle rope with a tensile strength of 5,600 lbs. (25 kN) and high-temperature resistance to 360°F (182°C)
- Rope control handle with friction locking device and permanently attached Manyard shock-absorbing lanyard
- Two carabiners
- Convenient carrying bag

SKU	Description
70-100/100FT*	Series 70 System with 25-ft. (7.6 m) working length
70-200/200FT*	Series 70 System with 50-ft. (15 m) working length
70-400/400FT*	Series 70 System with 100-ft. (30 m) working length
70-500/500FT*	Series 70 System with 125-ft. (38 m) working length
70-C/	Rope control handle with attached Miller lanyard
6004NS/YL	Bos'n Chair

\*Rope length is divided by four to determine maximum working length.



A secondary fall arrest system is recommended



Optional:  
Bos'n Chair  
6004NS/YL

# 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. The device must only be used with Miller brand descent rope.

SKU	Description
8113/*	Descent Device Unit
8195/50FTWH**	Polyester-braided descent rope
6004NS/YL	Bos'n Chair

\*8113/ Descent Device Unit must be ordered with 8195/ polyester braided rope (please specify length)

\*\*Lengths available from 50-ft. (15 m) to 600-ft. (183 m)



Optional:  
6004NS/YL Bos'n Chair

# Miller Rescue Ladder

The Miller Rescue Ladder is a portable 15-ft. (4.6 m) 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. (4.6 m) nylon web ladder
9058/25FTBK	Portable 25-ft. (7.6 m) nylon web ladder
9058/30FTBK	Portable 30-ft. (9 m) nylon web ladder



9058/15FTBK





# Engineered Solutions

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## Miller Engineered Solutions

Since 1989, Miller Engineered Solutions has been dedicated to the design 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

## 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 “hands-free” fall protection for a variety of configurations: straight or curved; multiple bends; floors; ridgelines or frontal posts. A uniquely-designed shuttle connector automatically 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
- System Design Software calculates specifications for any application; easy to navigate and available in multiple languages
- Worker attaches using a shock-absorbing lanyard and full-body harness

## 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.



Xenon Permanent Overhead Horizontal Lifeline Systems are custom engineered systems designed to be used if the application requires the lifeline to be positioned overhead beyond the user's reach.

\* Systems can accommodate up to four workers by adding a second Xenon shock absorber (Model 1014934).

# Miller ShockFusion™ Horizontal Lifeline System

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 penetrate the roof 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.

## Comparison of ShockFusion™ vs. other HLL systems

Feature/Benefit:	Miller ShockFusion System	Competitive Surface Mounted Systems	Roof Penetrating Systems
• Minimizes fall clearance requirements	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Reduces the chance of multiple worker falls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Provides easier rescue in the event of a fall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Includes energy-absorbing posts	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• Eliminates the need to open the roof	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• Decreases installation time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• Lowers cost of installation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• Reduces the potential of a roof leak	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

- Greater worker safety - Minimizing lifeline deflection decreases the probability of a worker falling over an edge or creating a fall for additional workers.
- Provides for an easier rescue - Should a fall occur, rescue is easier and quicker since the system minimizes the distance a worker falls.
- 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.
- Attaches to the surface of existing roof structures - Quick, easy installation reduces costs by requiring minimal labor and eliminating the need for structural roof penetration and repair.
- Protects multiple workers while providing maximum mobility - The continuous pass-through design provides safe access to all areas of a roof for up to six (6) workers per system.
- Adapts to a variety of roof structures - The Miller ShockFusion accommodates most industrial and commercial roof designs.
- Durable design withstands the changing outdoor environment - Internal components are constructed of stainless steel for greater corrosion-resistance and extended service life. The steel post and base are 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 spacing up to 24-in. (610 mm).



Metal Sheathing

- Designed to attach to metal sheathing with a minimum 24 gauge (0.024-in. [0.61 mm]) 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 10.5-in. (267 mm).



Wood

- Includes lag screw kit.
- Installs into plywood with minimum thickness of 5/8-in. (15.9 mm) CDX.



Concrete Decking

- Includes concrete expansion anchor kit.
- Installs into concrete decking with minimum thickness of 6.5-in. (165 mm) and minimum concrete compressive strength of 3000 PSI (20.7 MPa).

# Ladder Climbing Systems

## Vi-Go™ Ladder Climbing Safety Systems

Vi-Go Ladder Climbing Safety Systems provide the ultimate in safety with continuous fall protection when climbing fixed ladders. Systems can be custom designed to meet the needs of your specific application.

- Lower cost of ownership – Do-it-yourself inspection. No costly, annual manufacturer inspections often required by other systems.
- Option to cut cable lengths on site for greater versatility
- Accommodate up to four (4) workers at a time – Increasing productivity
- Select **Automatic** or **Manual** Personal Fall Arrestor Cable Sleeves – Both cable sleeves are designed to follow the user along the lifeline while ascending or descending, instantly locking in the event of a fall
- Available in galvanized or stainless steel cable

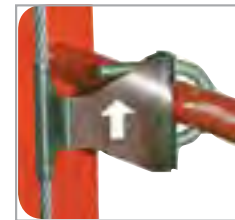


### with Automatic Pass-Through

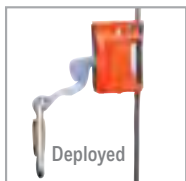
- Uninterrupted fall protection – uniquely-designed, patent-pending Vi-Go Cable Sleeve automatically bypasses intermediate cable guides, keeping both hands free for climbing; travels smoothly along cable and locks instantly in the event of a fall
- Easy, one-hand operation for attachment/detachment from the system. No pins/chains or external parts to lose or damage.
- Automatic pass-through cable guides secure lifeline to prevent cable wear and enable the system to accommodate curves
- Attachment mechanism engineered to prevent incorrect installation, ensuring greater safety. Unit will not open if attached incorrectly.
- Cable sleeve integrated shock-absorbing element
- Accommodate 5/16-in. (8 mm) or 3/8-in. (10 mm) cable



Vi-Go Automatic Pass-Through Cable Sleeve



Automatic Pass-Through Cable Guide



Integrated stainless steel shock-absorbing element



Easy, one-hand attachment



Design prevents upside-down installation (channel will not open)



Vi-Go automatic pass-through cable sleeve glides easily through intermediate cable guides uninterrupted. Hands and feet are free for climbing.

### with Manual Pass-Through

- Require manual removal/insertion of cable with intermediate guides
- Cable guides secure lifeline to prevent cable wear
- Manual Vi-Go Cable Sleeve follows the worker while ascending and descending
- Cable sleeve locks instantly in the event of a fall
- Accommodate 3/8-in. (10 mm) cable



Manual Vi-Go Cable Sleeve with Carabiner



Manual Pass-Through Cable Guide

# Saf-T-Climb® Ladder Climbing System



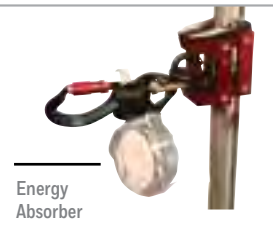
The Saf-T-Climb System has over 60 years of safe climbing history and is frequently the specified rigid rail ladder safety device for industry and government. This system provides total ladder climbing safety for workers on any site – above or below ground; straight or curved. The round rail of the Saf-T-Climb makes dismounting easy and safe, with a removable extension for up climbs through a hatch, down climbs through a hatch, and permanent dismounts.

The Saf-T-Climb is easily retrofitted to existing ladders or designed into new construction. Installation of a Saf-T-Climb fall prevention system means instant compliance with OSHA climbing safety regulations. Any slip or fall is stopped by the locking action of the Saf-T-Grip Shuttle.

Applications:

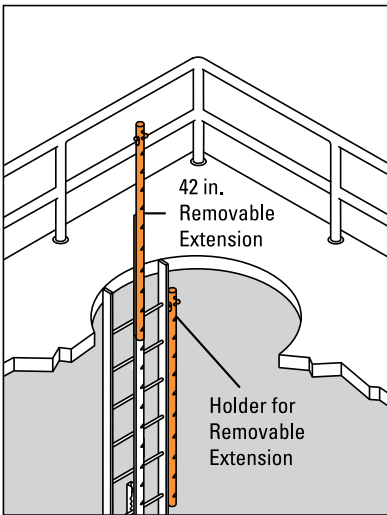
- Water tanks
- Drilling rigs
- Utilities
- Antennas
- Wind generators
- Chimneys
- Ship masts
- Communication towers
- Construction
- Manufacturing

The Saf-T-Grip™ Shuttle has an integrated shock-absorbing element to reduce force on the worker and system in the event of a fall.

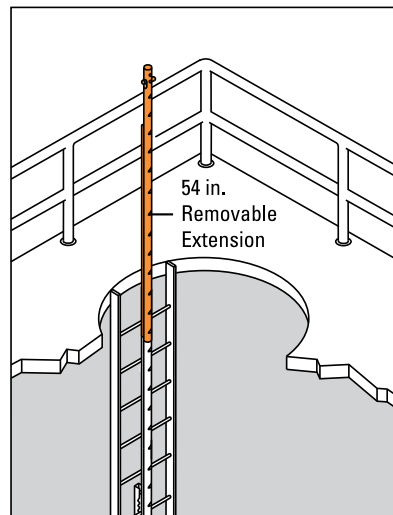


## Dismount options

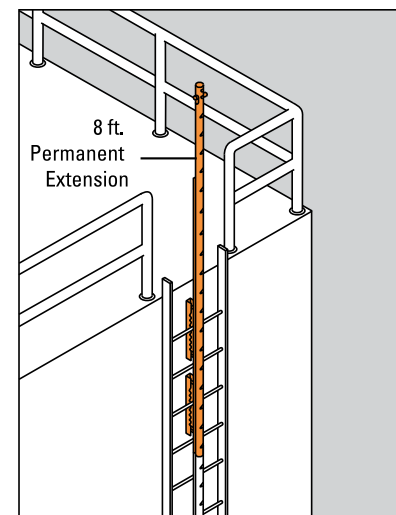
### Removable Ascending Hatch Dismount and Holder



### Removable Descending Hatch Dismount



### Saf-T-Pivot Permanent Dismount



# Guardrail Safety System

## Free Standing Guardrail System

Fall protection that protects your investment while complying with OSHA regulations. Our 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 are available.

Applications:

- Skylight protection
- Outside docks/platforms
- Conveyor protection
- Fall protection
- Roof hatch protection
- Barricading



# Rigid Rail Systems



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

## Applications:

- Rail yards
- Industrial sites
- Mines and quarries
- Barges and Marine sites
- Airplane hangars
- Vehicles and machinery

## Inverted “L” System

This system provides fall protection coverage while working on top of vehicles or elevated machinery. The single foundation design is ideal in areas where space for a foundation is limited.

Select from 20 ft., 40 ft., or 60 ft. (6 m, 12 m, or 18 m) of fall protection coverage. System height is 30 ft. or 32 ft. (9 m or 10 m) depending which model is selected, and can hold up to (2) two workers at a time.

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

## “T” Dual Track System

This system provides dual fall protection coverage for those working side-by-side on top of vehicles or elevated machinery. The single foundation design and parallel tracks make this system ideal for railroad tracks running parallel in close proximity to each other or two truck loading stations.

Select from 20 ft., 40 ft., or 60 ft. (6 m, 12 m, or 18 m) of fall protection coverage. System height is 32 ft. (10 m) and can hold up to (4) four workers at a time.

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

## “P” Series System

This portable system provides an economical solution for fall protection needs in areas that require temporary fall protection. Ideal solution for mines and quarries.

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

*Note: This system includes materials for the required assembly including base and counterweights.*

## Swing Arm Systems

When space is an issue or ceilings are inaccessible, swing arm systems can provide flexible solutions in industries ranging from food distillation to coal processing. These systems provide circular or semicircular fall protection within a limited footprint. Swing arm systems are used extensively in areas where both overhead cranes and fall protection systems share the same space. Since swing arm systems may be easily moved out of the way when not in use, they are ideal for applications where infrequent fall protection is necessary. Standard spans from 8 ft. to 30 ft. (2 m - 9 m); custom spans are also available. Available in free standing or wall/column mounted designs.

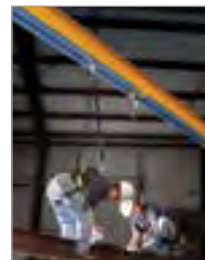
## Fold-Away Systems

These systems provide safety when you need it, and space when not in use. Ideal for areas such as railroad maintenance or where large food processors must be maintained, these systems may be easily moved from the work environment when fall protection is not essential. By deploying only when needed, fold-away systems allow complete access to overhead cranes in order to keep production at high levels. Unlimited lengths with up to 50 ft. (15 m) between supports. Trussed track to accommodate single or multiple workers. Motorized rotation available. Available in free standing or wall/column mounted designs.

## Bridge Systems

Bridge systems consist of two runways with a traveling bridge suspended between them for maximum coverage within a rectangular work area. The lightweight aluminum bridge follows the worker, always remaining directly overhead. Multiple bridges can be used to accommodate several workers at the same time. Unlimited runway lengths with up to 18 ft. (5 m) bridge lengths. Available in ceiling mounted or free standing designs.

*Please note: The above Miller Rigid Rail Systems have the ability to be self-installed, however, if you would like to inquire about our installation services please contact Honeywell Technical Service at 800-873-5242.*





## Fall Protection and Prevention Training

F

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## Fall Prevention and Protection Training

Honeywell offers comprehensive training options in Canada designed to help you comply with mandatory government and company safety at height training requirements. Courses are available for all levels of training and provide practical, hands-on learning through active participation that increases comprehension and retention.

- Experienced instructors; live demonstrations and hands-on training
- Regional Training Centers in Edmonton, Calgary, Toronto, Montreal and Vancouver
- Oil Sands Safety Association (OSSA) approved training programs Addresses site-specific variables and performance requirements of fall prevention and protection
- Save \$\$\$ when you book Qualified Person & Qualified Inspector of Fall Protection Equipment as a combo
- New Online Booking Tool enables customers to review and reserve available open enrollment course with a few simple clicks ([millerfalltraining.com](http://millerfalltraining.com))
- Each participant will receive a certificate after successful course completion
- All courses require a minimum number of participants
- Mobile Road Shows/On-Site Training offer on-site fall protection demos & training to your location

*View available  
courses at  
[millerfalltraining.com](http://millerfalltraining.com)*



# Training Courses

## ■ Fall Protection

- **End-User Fall Protection**  
Learn the fundamentals of fall protection; regulations that apply to fall protection; methods of eliminating fall hazards; equipment specifications, care, use, limitations and inspection; and fall protection planning requirement and importance.
- **Qualified Person**  
Get the required skills for covering competency, due diligence, applicable Canadian and Provincial legislation and standards, CSA, with an overview of OSHA and ANSI.
- **Qualified Inspector of Fall Protection Equipment**  
Get the required skills for the inspection criteria as per CSA, ANSI and the applicable regulatory body.
- **Fall Protection Train the Trainer**  
Designed to provide participants with tools as an instructor to design and deliver fall protection course materials.
- **Working at Heights (MOL approved)**  
Designed for workers who may perform construction related activities and at times be required to work at heights where fall protection is required. This program is compliant with Ontario regulation 213/91 section 26 and meets all requirements of both the New Working at Heights Program Standard and Training Provider Standard.



## ■ Oil Sands Safety Association (OSSA) Training

- **OSSA Fall Protection**  
Provides participants with a general understanding of the fundamentals of fall protection, regulations that apply to fall protection, methods of eliminating fall hazards, equipment specifications, care, use, limitations, inspection, fall protection planning requirements and importance.
- **OSSA Elevated Work Platform**  
Provides participants with the knowledge and general understanding of the legislative standards, preoperative checks, machine selection and safe operation of Elevated Work Platform (EWP) equipment.
- **OSSA Confined Space Entry and Monitor**  
Designed to ensure that all participants demonstrate the basic knowledge in the classification and identification of hazards associated with confined spaces and the identification of restricted spaces.
- **OSSA Fire Watch**  
Designed to ensure that all participants demonstrate basic knowledge and proficiency in the classification and identification of types of fires and extinguishers.
- **OSSA Basic Safety Orientation (BSO)**  
Provides an introduction to the oil sands safety cultures and expectations. Participants will receive certification at the close of the course providing access to enter OSSA oil sand sites.

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## ■ OSSA Train the Trainer

- OSSA Fall Protection Train the Trainer  
Designed for instructors required to provide fall protection training. Instructors will be taught a general understanding of the fundamentals of fall protection; regulations that apply to fall protection; methods of eliminating fall hazards; equipment specifications, care, use, limitations and inspection; and fall protection planning requirements and importance.
- OSSA Elevated Work Platform Train the Trainer  
Instructors will be taught the theory behind the legislative standards, preoperative checks, machine selection and safe operation of Elevated Work Platform (EWP) equipment.
- OSSA Confined Space Entry and Monitor Train the Trainer  
Instructors will be trained to recognize the risks and hazards associated with confined spaces and the methods of controlling them.
- OSSA Fire Watch Train the Trainer  
Designed for instructors required to provide fire watch training and includes knowledge and proficiency in the classification and identification of types of fires and extinguishers.

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## ■ On-Site

- Honeywell is the leading provider of on-site training options, conveniently held at your facility or work-site. Schedule one of our Training experts to work with your employees in their own environment.

To learn more visit [www.honeywellsafety.com/ca/training](http://www.honeywellsafety.com/ca/training) or contact your Honeywell Safety Products Representative. Call toll free: 780.577.5485. Email: [canadasafetytraining@honeywell.com](mailto:canadasafetytraining@honeywell.com)





# Titan Products

# A

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# Anchorage Connectors & System Kits

## Titan™ Cross-Arm Anchorage Connectors

Web Cross-Arm Strap features a D-ring which slips through a web loop; available in lengths from 3 ft. (0.9 m) to 10 ft. (3 m).



T7314/3FTAF  
T7314/6FTAF

## Titan™ WebLine Temporary Horizontal Web Lifeline System Kit

- Web lifeline with 10,000-lbs. (44 kN) tensile strength
- Gold web lifeline for greater visibility
- Cross-arm anchorage straps for easy installation
- Connecting O-rings for greater mobility
- Designed so anchorage points only need to be rated for 5,000 lbs. (22 kN)
- Waterproof bucket for safe storage



THLLW2-Z7/60FT

SKU	Description	Kit Content
THLLW2-Z7/60FT	60-ft. (18 m) Web Temporary HLL System for two workers	Web lifeline / Web lifeline adjuster / Two (2) heavy-duty cross-arm anchorage straps / Shock absorber pack / Two (2) connecting O-rings / Waterproof bucket

[Download Residential Roofing Product Guide:](#)

## Titan II ReadyRoofer® Fall Protection System

### Lightweight, Full-Body Harness (T4000/UAK)

- Fully-adjustable, non-stretch harness w/mating buckle leg straps

### Versatile, Reusable Roof Anchor with Attachment D-Ring (ABD15/)

- Easily installs on steep-pitched or flat-surface roofs
- Reusable roof anchor

### Compact Trailing Rope Grab (8175/C)

- Durable, corrosion-resistant, stainless steel construction
- Attaches anywhere on the lifeline
- Lightweight, easy-to-use design with hands-free operation

### Shock-Absorbing Lanyard (T6111-Z7/30INAF)

- 30-inch (0.8 m) polyester web lanyard with integral shock absorber and two locking snap hooks

### High-Strength Rope Lifeline (300L-Z7/)

- 5/8-in. (16 mm) diameter copolymer rope with loop and locking snap hook

### Waterproof Container

- Ideal for equipment storage; 5 gallons



BRFK50/50FTC

SKU	Description
BRFK25/25FTC	ReadyRoofer Kit w/25-ft. (7.6 m) rope lifeline
BRFK50/50FTC	ReadyRoofer Kit w/50-ft. (15 m) rope lifeline
BRFK100/100FTC	ReadyRoofer Kit w/100-ft. (30 m) rope lifeline

For harness with tongue buckle leg straps, add "T" to SKU after the letter "K" (Ex: BRFKT50/50FTC).



## Titan II Roofing Fall Protection Kits

SKU	Description
TRK4000/25FTAAC	<ul style="list-style-type: none"> <li>• Full-body harness w/mating buckle leg straps (T4000/UAK)</li> <li>• 30-in. (0.8 m) pack-type, shock-absorbing lanyard (T6111-Z7/30INAFK)</li> <li>• 5/8-in. (1.6 mm) trailing rope grab (8175/C)</li> <li>• Reusable roof anchor w/attachment D-ring</li> <li>• 25-ft. (7.6 m) rope lifeline (300L-Z7/25FTBL)</li> </ul>
TRK4000/50FTAAC	<ul style="list-style-type: none"> <li>• Full-body harness w/mating buckle leg straps (T4000/UAK)</li> <li>• 30-in. (0.8 m) pack-type, shock-absorbing lanyard (T6111-Z7/30INAFK)</li> <li>• 5/8-in. (1.6 mm) trailing rope grab (8175/C)</li> <li>• Reusable roof anchor w/attachment D-ring</li> <li>• 50-ft. (15 m) rope lifeline (300L-Z7/25FTBL)</li> </ul>
TRK4500/25FTAAC	<ul style="list-style-type: none"> <li>• Full-body harness w/tongue buckle leg straps (T4500/UAK)</li> <li>• 30-in. (0.8 m) pack-type, shock-absorbing lanyard (T6111-Z7/30INAFK)</li> <li>• 5/8-in. (1.6 mm) trailing rope grab (8175/C)</li> <li>• Reusable roof anchor w/attachment D-ring</li> <li>• 25-ft. (7.6 m) rope lifeline (300L-Z7/25FTBL)</li> </ul>
TRK4500/50FTAAC	<ul style="list-style-type: none"> <li>• Full-body harness w/tongue buckle leg straps (T4500/UAK)</li> <li>• 30-in. (0.8 m) pack-type, shock-absorbing lanyard (T6111-Z7/30INAFK)</li> <li>• 5/8-in. (1.6 mm) trailing rope grab (8175/C)</li> <li>• Reusable roof anchor w/attachment D-ring</li> <li>• 50-ft. (15 m) rope lifeline (300L-Z7/25FTBL)</li> </ul>



## Titan II Construction and General Maintenance Fall Protection Kits

SKU	Description
TCK4000/U/6FTAAC	<ul style="list-style-type: none"> <li>• Full-body harness w/mating buckle leg straps (T4000/UAK)</li> <li>• 6-ft. (1.8 m) tubular shock-absorbing lanyard (T5111-Z7/6FTAFC)</li> <li>• 6-ft. (1.8 m) cross-arm strap (T7314/6FTAFC)</li> </ul>
TCK4507/U/6FTAAC	<ul style="list-style-type: none"> <li>• Full-body harness w/tongue buckle leg straps &amp; side D-rings (T4507/UAK)</li> <li>• 6-ft. (1.8 m) tubular shock-absorbing lanyard (T5111-Z7/6FTAFC)</li> <li>• 6-ft. (1.8 m) cross-arm strap (T7314/6FTAFC)</li> </ul>



## ■ Titan II Scaffolding Fall Protection Kits

SKU	Description
TSK4000/U/6FTAAC	<ul style="list-style-type: none"> <li>• Full-body harness w/mating buckle leg straps (T4000/UAK)</li> <li>• 6-ft. (1.8 m) tubular shock-absorbing lanyard w/locking rebar hook (T5112-Z7/6FTAFC)</li> </ul>



## ■ Titan II Concrete Fall Protection Kits

SKU	Description
TCRK4007/UAKC	<ul style="list-style-type: none"> <li>• Full-body harness w/mating buckle leg straps &amp; side D-rings (T4007/UAK)</li> <li>• Rebar chain assembly (T8221-Z7/)</li> <li>• 6-ft. (1.8 m) tubular shock-absorbing lanyard w/locking rebar hook (T5112-Z7/6FTAFC)</li> </ul>
TCRK4507/UAKC	<ul style="list-style-type: none"> <li>• Full-body harness w/tongue buckle leg straps &amp; side D-rings (T4507/UAK)</li> <li>• Rebar chain assembly (T8221-Z7/)</li> <li>• 6-ft. (1.8 m) tubular shock-absorbing lanyard w/locking rebar hook (T5112-Z7/6FTAFC)</li> </ul>



## ■ Titan II Aerial Lift Fall Protection Kits

SKU	Description
TK4051B-Z7/U/6FTCAK	<ul style="list-style-type: none"> <li>• Full-body harness w/mating buckle leg straps (T4000/UAK)</li> <li>• 6-ft. (1.8 m) tubular shock-absorbing lanyard (T5111-Z7/6FTAFC)</li> <li>• Water-resistant storage bag w/rail attachment loops</li> </ul>



## ■ Titan II ReadyWorker™ Fall Protection Kit

Fall protection safety and convenience at your fingertips.

Fall protection for a variety of working-at-height applications. Titan harnesses include value-added safety features not found on many competitive brands:

- Back strap and sub-pelvic strap for greater safety and increased comfort
- Sliding back D-ring to adjust harness correctly
- Easy adjustment for proper fit
- Pull-free lanyard rings for convenience and added safety
- Universal size L/XL

TFPK-1/U/6FTAAC



SKU	Harness	Back D-Ring	Back Strap & Pull-Free Lanyard Rings	Side D-Rings	Leg Strap Buckles	6-Ft. (1.8 m) Tubular Shock-Absorbing Lanyard (T5111/6FTAFC)	6-Ft. (1.8 m) Cross-Arm Strap (T7314/6FTAFC)	Waterproof Bucket
TFPK-1/U/6FTAAC	T4000/UAK	Yes	Yes	No	Mating	Yes	No	Yes

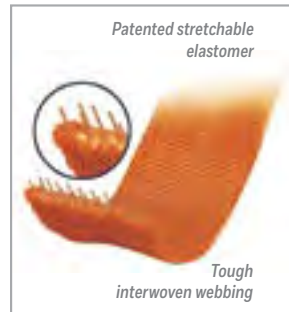
# Body Wear

## Harnesses & Accessories

### Titan II T-Flex™ Stretchable Harnesses

Titan II T-FLEX Stretchable Harnesses have a durable, stretch webbing construction for improved comfort and greater mobility.

- 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
- Pull-free lanyard rings for added convenience
- Rated for a 400-lbs. (181.4 kg) worker



TF4000/UAK

SKU	Back D-Ring	Front D-Ring	Side D-Rings	Chest Strap Buckle	Shoulder Strap Buckles	Leg Strap Buckles	Sub-Pelvic Strap	Features
TF4000/UAK	Yes	Option	No	Mating	Mating	Mating	Yes	Pull-free lanyard rings
TF4500/UAK	Yes	Option	No	Mating	Mating	Tongue	Yes	Pull-free lanyard rings
TF4007/UAK	Yes	Option	Yes	Mating	Mating	Mating	Yes	Pull-free lanyard rings
TF4507/UAK	Yes	Option	Yes	Mating	Mating	Tongue	Yes	Pull-free lanyard rings

SKU numbers listed are for Universal (L/XL) size. Harnesses are also available in small/medium, XXL and XXXL, by replacing the “U” in the SKU number with “S/M”, “XXL” or “XXXL” (Ex: TF4000/XXLAK).

### 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 400-lbs. (181.4 kg) worker



T4577/UAK

SKU	Side D-Rings	Shoulder Strap Buckles	Chest Strap Buckle	Leg Strap Buckles
T4000/UAK	No	Friction	Mating	Mating
T4007/UAK	Yes	Friction	Mating	Mating
T4500/UAK	No	Friction	Mating	Tongue
T4507/UAK	Yes	Friction	Mating	Tongue
<b>CONTRACTOR HARNESS - INCLUDES INTEGRATED BACK/SHOULDER PADS AND REMOVABLE TOOL BELT</b>				
T4577/UAK	Yes	Friction	Mating	Tongue

SKU numbers listed are for Universal (L/XL) size. Harnesses are also available in small/medium, XXL and XXXL, by replacing the “U” in the SKU number with “S/M”, “XXL” or the “U” in the SKU number with “S/M”, “XXL” or “XXXL” (Ex: T4000/XXLAK). For front D-ring option, add “FD” to the suffix of the corresponding harness SKU number (Ex: T4000FD/UAK) – not available on the T4577 models.

# Titan™ II Harness/Lanyard Combos

Titan Harness/Lanyard Combos consist of a harness with a permanently-attached lanyard, providing an easy one-piece solution.

## ■ Titan Full-Body Non-Stretch Harnesses

Lightweight, durable webbing for all day comfort and dependability.

- Fully adjustable designs
- Sliding back D-ring; Sub-pelvic strap
- Rated to 400-lbs. (181.4 kg) capacity
- Trilingual labeling and instructions

## ■ Titan Shock-Absorbing Lanyards

- Lightweight, durable webbing
- Locking snap and rebar hooks Two-legged models available for continuous tie-off

*Tubular Shock-Absorbing Lanyards* feature a built-in woven inner core which smoothly expands to reduce fall arrest forces, while the outer jacket serves as a back-up web lanyard.

*Pack-Type Shock-Absorbing Lanyards* include the shock absorber pack as an integral part of a standard lanyard. In the event of a fall, the pack expands to reduce fall arrest forces while a back-up safety strap deploys for added fall protection.



TK4051-Z7/U/6FTA K

## ■ Titan Restraint Lanyards

Restraint lanyards are to be used for restraint ONLY and are not to be used for fall protection.

SKU	Description
<b>HARNES S/SHOCK-ABSORBING LANYARD COMBOS</b>	
TK4051-Z7/U/6FTA K	<ul style="list-style-type: none"> <li>• Full-body harness w/mating buckle leg straps (T4000/UAK)</li> <li>• Attached 6-ft. (1.8 m) tubular shock-absorbing lanyard (T5111-Z7/6FTAFC)</li> </ul>
TK4052/U/6FTA K	<ul style="list-style-type: none"> <li>• Full-body harness w/mating buckle leg straps (T4000/UAK)</li> <li>• Attached 6-ft. (1.8 m) tubular shock-absorbing lanyard w/large locking rebar hook (T5112-Z7/6FTAFC)</li> </ul>
TK4054/U/6FTA K	<ul style="list-style-type: none"> <li>• Full-body harness w/mating buckle leg straps (T4000/UAK)</li> <li>• Attached double-legged 6-ft. (1.8 m) tubular shock-absorbing lanyard w/large locking rebar hooks (T5122-Z7/6FTAFC)</li> </ul>
TK4061/U/6FTA K	<ul style="list-style-type: none"> <li>• Full-body harness w/mating buckle leg straps (T4000/UAK)</li> <li>• Attached 6-ft. (1.8 m) lanyard w/shock absorber pack &amp; locking snap hook (T6111-Z7/6FTAFC)</li> </ul>
TK4551/U/6FTA K	<ul style="list-style-type: none"> <li>• Full-body harness w/tongue buckle leg straps (T4500/UAK)</li> <li>• Attached 6-ft. (1.8 m) tubular shock-absorbing lanyard w/locking snap hook (T5111-Z7/6FTAFC)</li> </ul>
TK4751/U/6FTA K	<ul style="list-style-type: none"> <li>• Full-body harness w/mating buckle leg straps &amp; side D-rings (T4007/UAK);</li> <li>• Attached 6-ft. (1.8 m) tubular shock-absorbing lanyard w/locking snap hook (T5111-Z7/6FTAFC)</li> </ul>
<b>HARNES S/RESTRAINT LANYARD COMBOS</b>	
TK4091W/U/6FTA K	<ul style="list-style-type: none"> <li>• Full-body harness w/mating buckle leg straps (T4000/UAK)</li> <li>• Attached 6-ft. (1.8 m) web lanyard w/locking snap hook for restraint only (T9111W-Z7/6FTA F)</li> </ul>
TK4091W/U/4FTA K	<ul style="list-style-type: none"> <li>• Full-body harness w/mating buckle leg straps (T4000/UAK)</li> <li>• Attached 4-ft. (1.2 m) web lanyard w/locking snap hook for restraint only (T9111W-Z7/4FTA F)</li> </ul>
TK4791/U/6FTA K	<ul style="list-style-type: none"> <li>• Full-body harness w/mating buckle leg straps &amp; side D-rings (T4007/UAK)</li> <li>• Attached 6-ft. (1.8 m) web lanyard w/small locking snap hook for restraint only (T9111W-Z7/6FTA F)</li> </ul>

Large locking rebar hook – 2-1/2-in. (64 mm) gate opening. Available in lengths from 4-ft. (1.2 m) to 10-ft. (3 m). All connectors include 3,600-lb. gate-strength.



## Titan™ Equipment/Accessory Bag

Light-duty Equipment/Accessory Bag w/Titan logo, zipper closure and wrap-around carrying straps 13-in. x 8-in. x 8-in. (330 mm x 203 mm x 203 mm).

T702B/BK



T3320

## Titan™ Body Belts

SKU	Description
T3010	Body belt with tongue buckle, includes single D-ring
T3020	Body belt with tongue buckle, includes side D-rings
T3310	Body belt with tongue buckle, includes single D-ring & 3-in. (76 mm) back pad
T3320	Body belt with tongue buckle, includes side D-rings & 3-in. (76 mm) back pad



T3010



T3020



T3310



T3320

Body Belt Sizing – When ordering, indicate size by using the following suffixes:

Small	31-in.- 39-in. (787 - 991 mm)	add "/SAF" (Ex: T3010/SAF)
Medium	35-in.- 43-in. (889 - 1092 mm)	add "/MAF"
Large	39-in.- 47-in. (991 - 1194 mm)	add "/LAF"
X-Large	42-in.- 50-in. (1067 - 1270 mm)	add "/XLAF"
XX-Large	46-in.- 54-in. (1168 - 1372 mm)	add "/XXLAF"

XX-Small and X-Small sizes available upon request.

## Connecting Devices

### Self-Retracting Lifelines/Personal Fall Limiters

#### Titan™ Fall Limiters

- Offers 11-ft. (3.4 m) of working capacity
- Requires less fall clearance than shock-absorbing lanyards
- Offers more mobility than a shock-absorbing lanyard
- Quick-activating stainless steel braking mechanism arrests free falls
- Compact, lightweight design, corrosion-resistant interior components
- No annual factory recertification required / Visual load indicator

TFL-Z7/11FT



SKU	Unit Connector	Lanyard End Connector	Weight
TFL-Z7/11FT	No unit connector	Steel Locking Snap Hook	2.5 lbs. (1.1 kg)
TFL-1-Z7/11FT	Steel Twist-Lock Carabiner	Steel Locking Snap Hook	2.8 lbs. (1.3 kg)
TFL-2-Z7/11FT	Stainless Steel Swivel Shackle	Steel Locking Snap Hook	2.6 lbs. (1.2 kg)
TFL-3-Z7/11FT	Stainless Steel Swivel Shackle & Steel Twist-Lock Carabiner	Steel Locking Snap Hook	2.9 lbs. (1.3 kg)
TFL-6-Z7/11FT	Stainless Steel Swivel Shackle & Steel Locking Rebar Hook	Steel Locking Snap Hook	3.2 lbs. (1.5 kg)

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



TFL-Z7/11FT



TFL-1-Z7/11FT



TFL-2-Z7/11FT



TFL-3-Z7/11FT



TFL-6-Z7/11FT

# Titan™ Self-Retracting Lifelines

Titan Self-Retracting Lifelines are constructed with steel frames and are designed for a full range of workplace applications.

- Affordably priced
- Quick-activating stainless steel braking mechanism
- Snap hook with swivel; carabiner included
- Narrow payout port



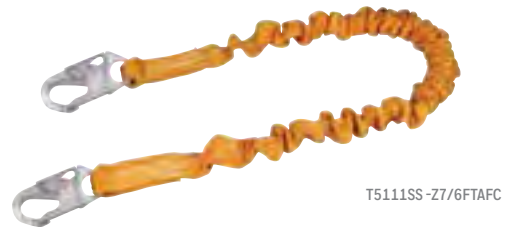
SKU	Length	Housing Material	Lifeline Material	Weight
TRW-Z7/20FT	20-ft. (6 m)	Aluminum & stainless steel	1-in. (25 mm) webbing	8 lb. (3.6 kg)
TR20-Z7/20FT	20-ft. (6 m)	Glass-filled polypropylene	3/16-in. (5 mm) galvanized cable	11 lb. (5 kg)
TR30-Z7/30FT	30-ft. (9 m)	Glass-filled polypropylene	3/16-in. (5 mm) galvanized cable	13 lb. (5.9 kg)
TR50-Z7/50FT	50-ft. (15 m)	Glass-filled polypropylene	3/16-in. (5 mm) galvanized cable	18 lb. (8 kg)
TR65-Z7/65FT	65-ft. (20 m)	Glass-filled polypropylene	3/16-in. (5 mm) galvanized cable	19 lb. (8.6 kg)

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

# Lanyards

## Titan™ Tubular Shock-Absorbing and Stretch Tubular Shock-Absorbing Lanyards

- Lightweight, durable webbing
- Locking snap and rebar hooks
- Two-legged models available for continuous tie-off



Titan *Tubular Shock-Absorbing Lanyards* feature a built-in woven inner core that smoothly expands to reduce fall arrest forces, while the outer jacket serves as a back-up web lanyard.

Titan *Stretch Tubular Shock-Absorbing Lanyards* contract from 6-ft. (1.8 m) to 4-ft. (1.2 m) to reduce tripping hazards and smoothly expand to reduce fall arrest forces, while the outer jacket serves as a back-up web lanyard.

SKU	Material	Number of Legs	Harness Connection	Anchorage Connection	Standard Length*
<b>TUBULAR SHOCK-ABSORBING LANYARDS</b>					
T5011-Z7/6FTAFC	Webbing	One	Choke-off loop	Locking snap hook	6-ft. (1.8 m)
T5111-Z7/6FTAFC	Webbing	One	Locking snap hook	Locking snap hook	6-ft. (1.8 m)
T5112-Z7/6FTAFC	Webbing	One	Locking snap hook	Large locking rebar hook	6-ft. (1.8 m)
T5113-Z7/6FTAFC	Webbing	One	Locking snap hook	Small locking rebar hook	6-ft. (1.8 m)
T5121-Z/6C	Webbing	Two	Locking snap hook	Locking snap hooks	6-ft. (1.8 m)
T5122-Z7/6FTAFC	Webbing	Two	Locking snap hook	Large locking rebar hooks	6-ft. (1.8 m)
<b>STRETCH TUBULAR BUILT-IN SHOCK-ABSORBING LANYARDS</b>					
T5111SS-Z7/6FTAFC	Webbing	One	Locking snap hook	Locking snap hook	Contracts 6-ft. (1.8 m) to 4-ft. (1.2 m)
T5112S-Z/6C	Webbing	One	Locking snap hook	Large locking rebar hook	Contracts 6-ft. (1.8 m) to 4-ft. (1.2 m)
T5121S-Z/6C	Webbing	Two	Locking snap hook	Locking snap hooks	Contracts 6-ft. (1.8 m) to 4-ft. (1.2 m)
T5122SS-Z7/6FTAFC	Webbing	Two	Locking snap hook	Large locking rebar hooks	Contracts 6-ft. (1.8 m) to 4-ft. (1.2 m)

\*Available in lengths from 4-ft. (1.2 m) to 10-ft. (3 m). Locking Snap Hook - 3/4-in. (19 mm) gate opening. Small locking rebar hook - 1-3/4-in. (44 mm) gate opening. Large locking rebar hook - 2-1/2-in. (64 mm) gate opening. All connectors include 3,600-lb. gate-strength.

## Titan™ Pack-Type and Stretch Pack-Type Shock-Absorbing Lanyards



T6111-Z7/6FTAFC

### Titan Pack-Type Shock-Absorbing Lanyards

include the shock absorber pack as an integral part of a standard lanyard. In the event of a fall, the pack smoothly expands to reduce fall forces while a back-up safety strap deploys for added fall protection.



T6111S-Z/6C

Titan Stretch Pack-Type Shock-Absorbing Lanyards contract from 6-ft. (1.8 m) to 4-ft. (1.2 m) to reduce tripping hazard and smoothly expand to reduce fall forces while a back-up safety strap deploys for added fall protection.



SKU	Material	Number of Legs	Harness Connection	Anchorage Connection	Standard Length*
<b>PACK-TYPE SHOCK-ABSORBING LANYARDS</b>					
T6111-Z7/6FTAFC	Webbing	One	Locking snap hook	Locking snap hook	6-ft. (1.8 m)
T6112-Z7/6FTAFC	Webbing	One	Locking snap hook	Large locking rebar hook	6-ft. (1.8 m)
T6121-Z7/6FTAFC	Webbing	Two	Locking snap hook	Locking snap hooks	6-ft. (1.8 m)
T6122-Z7/6FTAFC	Webbing	Two	Locking snap hook	Large locking rebar hooks	6-ft. (1.8 m)
<b>STRETCH PACK-TYPE SHOCK-ABSORBING LANYARDS</b>					
T6111S-Z/6C	Webbing	One	Locking snap hook	Locking snap hook	Contracts 6-ft. (1.8 m) to 4-ft. (1.2 m)
T6112S-Z/6C	Webbing	One	Locking snap hook	Large locking rebar hook	Contracts 6-ft. (1.8 m) to 4-ft. (1.2 m)
T6121SS-Z7/6FTAFC	Webbing	Two	Locking snap hook	Locking snap hooks	Contracts 6-ft. (1.8 m) to 4-ft. (1.2 m)
T6122SS-Z7/6FTAFC	Webbing	Two	Locking snap hook	Large locking rebar hooks	Contracts 6-ft. (1.8 m) to 4-ft. (1.2 m)

\*Available in lengths from 3-ft. (0.91 m) to 10-ft. (3 m). Locking Snap Hook – 3/4-in. (19 mm) gate opening. Small locking rebar hook – 1-3/4-in. (44 mm) gate opening. Large locking rebar hook – 2-1/2-in. (64 mm) gate opening. All connectors include 3,600-lb. gate-strength.

# Titan™ Tie-Back Lanyards with Pack-Type Shock Absorbers

Titan Tie-Back Lanyards with pack-type shock absorbers are designed for tie-back use, eliminating the need for a separate anchorage connector.

- Special webbing for greater abrasion resistance
- Shock absorber pack keeps fall forces at or below 900 lbs./f (4 kN)



SKU	Material	Number of Legs	Harness Connection	Anchorage Connection	Standard Length*	Special Feature
T6111TB-Z7/6FTAFC	Webbing	One	Locking snap hook	Auto-lock carabiner	6-ft. (1.8 m)	Forged sliding D-ring
T6121TB-Z7/6FTAFC	Webbing	Two	Locking snap hook	Auto-lock carabiners	6-ft. (1.8 m)	Forged sliding D-ring

\*Available from 3-ft. (0.9 m) to 10-ft. (3 m) lengths. Locking Snap Hook – 3/4-in. (19 mm) gate opening. All connectors include 3,600-lb. gate-strength.

# Titan™ Positioning and Restraint Lanyards

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



T9111R-Z7/6FTWH



T9111W-Z7/6FTAF

SKU	Harness Material	Connection	Anchorage Connection	Standard Length*
T9111R-Z7/6FTWH	Rope 5/8-in. (16 mm)	Locking snap hook	Locking snap hook	6-ft. (1.8 m)
T9111W-Z7/6FTAF	Webbing	Locking snap hook	Locking snap hook	6-ft. (1.8 m)
T9112R-Z7/6FTWH	Rope 5/8-in. (16 mm)	Locking snap hook	Large locking rebar hook	6-ft. (1.8 m)
T9112W-Z7/6FTAF	Webbing	Locking snap hook	Large locking rebar hook	6-ft. (1.8 m)

\*Also available in lengths from 2-ft. (6 m) to 10-ft. (3 m). Locking snap hook – 3/4-in. (19 mm) gate opening. Small locking rebar hook – 1-3/4-in. (44 mm) gate opening. Large locking rebar hook – 2-1/2-in. (64 mm) gate opening. All connectors include 3,600-lb. gate-strength.

# Titan™ Positioning Assemblies

SKU	Description
T8221W-Z7/27INYL*	Web positioning assembly w/two locking snap hooks & one large locking rebar hook
T8221-Z7/	Rebar chain assembly w/two locking snap hooks & one large locking rebar hook

\*Also available in 35-in. (889 mm) or 40-in. (1016 mm). Locking snap hook – 3/4-in. (19 mm) gate opening. Large locking rebar hook – 2-1/2-in. (64 mm) gate opening. All connectors include 3,600-lb. gate-strength.



T8221-Z7/



T8221W-Z7//27INYL



# A

## North Products

### ABCs OF FALL PROTECTION

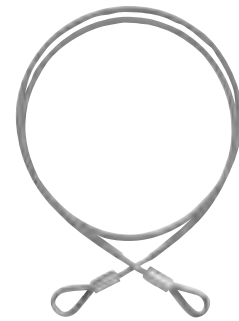
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# Anchorage Connectors

## Web/Cable Anchor Slings

- Designed to wrap around approved I-Beams or other structures for a secure attachment point for lanyards and self-retracting lifelines
- 400-lbs. (181.4 kg) maximum capacity

SKU	Description
FP02/6F	Cable Anchor Sling – PVC coated cable anchor sling with two Flemish eyes; 6-ft. (1.82 m). Additional lengths available.
FP09/3	Web Anchor Sling – Cross-Arm Strap with web loops on both ends 2-in. (55 mm) heavy-duty polyester web; 3-ft. (0.91 m)
FP242/6	Web Anchor Sling – Tiny'n Tough (T'nT) Anchor Sling is lightweight, small size and has exceptional strength – 3/4-in. (19 mm) web can be used without additional protective materials in concrete forming; 6-ft. (1.82 m). Additional lengths available.
FP03/6	Pass Through Anchor Sling – 2-in. (50 mm) heavy-duty polyester web with small D-ring which passes through the large D-ring to form loop around anchor; 6-ft. (1.82 m). Additional lengths available.



FP02/6F



FP09/3



FP242/6



FP03/6

## Permanent D-Bolt Anchor

SKU	Description
FP3730	Permanent D-Bolt Anchor with 1/2-in. (13 mm) Bolt on D-Ring



FP3730

## Carabiners

- Provide safe and secure closure
- Designed for easy operation even while wearing gloves
- Rated for 5,000 lbs. (22 kN) unless otherwise specified

SKU	Description
FP83	Steel double-locking carabiner with captive pin; 2-in. (51 mm) gate opening
FP86	Steel double-locking carabiner; 0.55-in. (14 mm) gate opening
FP88	Steel double-locking carabiner; 0.90-in. (23 mm) gate opening



FP83

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

## Roofing

### Temporary Roof Anchor

SKU	Description
FP90B	Disposable Residential Roof Anchor



FP90B

## North Roofing Kits

### Roofer's Kit Contains:

- (1) manual rope grab with Soft Pack energy absorber for travel restraint
- (1) lightweight universal harness
- (2) disposable roof anchors with nails for temporary use
- (1) 5/8-in. (16 mm) co-polymer rope with thimble
- (1) carabiner
- (1) carrying bag



FP90/25

SKU	Description
FP90/25	Roofer's Kit; 25-ft. (8 m) lifeline; Universal (L/XL) harness
FP90/50	Roofer's Kit; 50-ft. (15 m) lifeline; Universal (L/XL) harness

### Travel Restraint Kit Contains:

- (1) lightweight universal harness
- 4-ft. shock-absorbing lanyard
- 3-strand co-polymer rope with rope adjuster attached 5/8-in. (16 mm) diameter
- (2) roof brackets
- 4-in. (100 mm) spiral nails
- (1) waterproof bucket



FPD90/25TR

SKU	Description
FPD90/25TR	Travel Restraint Kit; 25-ft. (8 m) lifeline; Universal (L/XL) harness
FPD90/50TR	Travel Restraint Kit; 50-ft. (15 m) lifeline; Universal (L/XL) harness

## Harnesses

### North Rite-On™ Harnesses

- Integrated back and shoulder pad – conforms to the wearer's shape to provide all-day comfort
- Fast-action quick connect buckles – allows quick and easy donning
- Extended D-ring option – makes lanyard connection easier and safer
- Sweat wicking pad fabric – keeps wearers comfortable in hot conditions
- Tangle-free pad design – harness keeps its shape between use, aiding quick and easy donning
- Lightweight polyester webbing – offers superior UV and chemical resistance
- Universal size with full adjustability – one size fits most



FP81F/1DBA

SKU	Front D-rings	Side D-rings	Chest/ Leg Strap	Special Features
FP81F/1DBA	No	No	Quick-Connect	N/A
FP81F/1EDBA	No	No	Quick-Connect	Extended D-ring
FP81F/1DBA320	No	No	Quick-Connect	Attached energy absorber
FP81F/3DDA	No	Yes	Quick-Connect	N/A
FP81F/4DLA	Yes	Yes	Quick-Connect	N/A
FP81F/4EDLA	Yes	Yes	Quick-Connect	Extended D-ring

## North Full Body Harnesses

- Back D-ring – For fall arrest applications (CSA class A)
- Adjustable leg and shoulder straps and sliding chest strap – allow wearers to find a safe and comfortable fit

SKU	Shoulder D-rings	Side D-rings	Chest/ Leg Strap	Special Features
FP759/1DP	No	No	Mating	N/A
FP759/5DP	Yes	Yes	Mating	N/A
FP759/1DGP	No	No	Mating/Tongue	Grommeted Legs
FP759/1EDP	No	No	Mating	Extended D-ring
FP759/1DPXL	No	No	Mating	Available in XL



FP759/1DP

## North Cross Chest Harnesses

Lightweight, slip-on convenience and the added feature of form fitting comfort Cross Chest Harness is the ultimate in fit and utility. Since there's no chest strap, comfort and mobility are enhanced while allowing access to pens and tools in chest pockets.

SKU	Front D-ring	Shoulder D-rings	Side D-rings	Leg Strap
FP721/1DP	no	no	no	mating
FP722/2DP	yes	no	no	mating
FP722/4DP	yes	no	yes	mating
FP722/6DP	yes	yes	yes	mating



FP721/1DP

## North Durabilt Harnesses

- Back D-ring – For fall arrest applications
- Universal style with our one size fits most plus XL

SKU	Shoulder D-rings	Side D-rings	Chest/Leg Strap
FPD698/1DP	No	No	Mating Buckles
FPD698/1DGP	No	No	Mating/Tongue
FPD698/3DGP	No	Yes	Mating/Tongue



FPD698/1DP



# Self-Retracting Lifelines (SRL)

## North DuraLite III

- Durable polymer housing
- Swiveling anchor prevents the webbing from twisting and tangling
- Dyneema lifeline is up to 15 times stronger than quality steel and up to 40% stronger than aramid fibers

SKU	Description	Length
FP1/303W	DuraLite III with Dyneema/polyester webbing and swivel snap hook with load indicator	10 ft. (3.0 m)
FP1/304W	DuraLite III with Dyneema/polyester webbing and swivel snap hook with load indicator	12 ft. (3.6 m)

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



FP1/303W

## North DuraLite II

- Durable polymer housing
- Swiveling anchor prevents the webbing from twisting and tangling
- Dyneema lifeline is up to 15 times stronger than quality steel and up to 40% stronger than aramid fibers

SKU	Description	Length
FP1/306W	DuraLite II with Dyneema/polyester webbing and double locking swivel snap hook with load indicator	20 ft. (6.0 m)

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



FP1/306W

## North Self-Retracting Lifelines

- Durable, compact construction
- Corrosion-resistant stainless steel lifeline
- Easy to operate

SKU	Description	Length
FP1/305S	3/16-in. (5 mm) stainless steel cable lifeline and locking swivel snap hook w/load indicator	16 ft. (4.8 m)
FP2/310S	3/16-in. (5 mm) stainless steel cable lifeline and swivel snap hook w/ load indicator	33 ft. (10.0 m)
FP2/315S	3/16-in. (5 mm) stainless steel cable lifeline and swivel double locking snap hook w/load indicator	50 ft. (15.2 m)

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



FP1/306W

# Shock Absorbing Lanyards

## North Hybrid Energy-Absorbing Lanyards

No more guessing. No more worries. One Hybrid Lanyard.

Now, for the first time to market, Honeywell has designed one lanyard that can be used by workers across weight classes, while still being CSA compliant. Honeywell Hybrid Energy-Absorbing Lanyards make choosing the right equipment a little easier, while reducing error and increasing safety!

- Eliminates the need to carry two types of lanyards in stock
- One solution for CSA compliance in both E4 and E6 weight classes
- One lanyard solution eliminates the risk of error and increases safety
- Full product line featuring Miller® and North® fall protection (see page 60)



North Hybrid Soft Pak Energy-Absorbing Lanyard

**When a lanyard is misused, serious injuries may result.**

Honeywell Hybrid Energy-Absorbing Lanyards make choosing the right equipment a little easier, while reducing error and increasing safety.



	Model Number	Hardware	Number of Legs	Harness Connection	Anchorage Connection	Standard Length
North Hybrid Soft Pak Energy-Absorbing Lanyard	NHL-6FTSLS	Steel	One	Locking snap hook	Locking snap hook	6-ft (1.8 m)
	NHL-6FTSLR		One		Locking rebar hook	
	NHL-6FTDLR		Two		Locking rebar hook	
	NHL-4FTSLS		One		Locking snap hook	4-ft (1.2 m)
	NHL-4FTSLR		One		Locking rebar hook	

## North Decelerator Shock-Absorbing Lanyard

Simple design limits complexity and keeps down cost

SKU	Number of Legs	CSA Class	Unit Connector	Harness End Connector
FP289299/	2	E4	Snap Hook	Small Rebar Hooks
FP28829/	1	E4	Snap Hook	Small Rebar Hook
FP28822/	1	E4	Snap Hook	Snap Hook
FP2882G/	1	E4	Snap Hook	Large Rebar Hook

Small Locking Rebar Hook (1 3/4" 44 mm gate opening); Large Locking Rebar Hook (2 1/4" 57 mm) All connectors include 3,600-lb. gate-strength.



FP289299/

## North Soft Pak Shock-Absorbing Lanyard

- Designed with a specially-woven inner core that has a controlled tearing action
- Lightweight polyester webbing offers superior UV and chemical resistance

SKU	Number of Legs	CSA Class	Unit Connector	Harness End Connector
FP2562GG/	2	E4	Snap Hook	Large Rebar Hook
FP26322G/	1	E4	Snap Hook	Snap Hook
FP22329/	1	E4	Snap Hook	Small Rebar Hook
FP2AE2GG/6	2	E6	Snap Hook	Large Rebar Hook

Small Locking Rebar Hook (1 3/4" 44 mm gate opening); Large Locking Rebar Hook (2 1/4" 57 mm) All connectors include 3,600-lb. gate-strength.



FP2562GG/

## North Durabilt Shock-Absorbing Lanyard

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

SKU	Number of Legs	CSA Class	Unit Connector	Harness End Connector
FDP29819/6	One	E4	Small locking rebar hook	Locking snap hook
FDP29811/6	One	E4	Locking Snap hook	Locking snap hook
FDP29819/6	One	E4	Large rebar hook	Locking snap hook
FDP2991GG/6	Two	E4	Small locking rebar hook	Locking snap hook

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



FDP29811/6

## Rope Grabs and Vertical Lifelines

### Rope Grabs and Vertical Lifelines

- Trails user without manipulation
- Stops on lifeline even when the panic lock is held open

SKU	Description
FP541	Automatic rope grab with panic lock feature for use with 5/8-in. (16 mm) synthetic rope
FP542	Automatic rope grab with panic lock feature with 2-ft. (0.6 m) web lanyard with energy absorber and snap hook. For use with 5/8-in. (16 mm) synthetic rope.
FP543	Automatic rope grab with panic lock feature with 2-ft. (0.6 m) web lanyard and snap hook. For use with 5/8-in. (16 mm) synthetic rope.
FP571/8	Automatic cable grab for vertical system for use with 5/16-in. (8 mm) cable. Includes carabiner.
FP571/10	Automatic cable grab for vertical system for use with 3/8-in. (10 mm) cable. Includes carabiner.
FP16E/PS50	Co-polymer blend rope lifeline with one end spliced with steel thimble; 5/8-in. (16 mm) diameter; 50-ft. (15 m). Also available in 25-ft. (8 m) and 100-ft. (30 m) lengths



FP542

FP541



FP16E/PS50

# Confined Space & Davit System

## Bantamlift™ Davit System

- Components are made of strong aluminum alloy (except for bases)
- Rated for working loads up to 450 lbs. (204 kg)
- Provide a proof-tested 5,000 lbs. (22 kN) anchor (in most configurations) or at least a 2:1 safety factor when used with approved fall arrest devices
- Booms reach up to 48-in. (1.2 m)
- Various masts to meet your requirements

SKU	Description
FP6660/00	Davit fixed base
FP6661	Ladder davit base
FP6660/01	Davit concrete sleeve base core
FP6660/02	Davit concrete sleeve with flange
FP6662/00	Davit wall mount base
FP6663/00	Portable davit base
FP6669/00	Davit base cap
FP6669/01	Davit base flush mount tube cap
FP6670/24	Davit mast 12-in. to 24-in. (305 to 610 mm)
FP6670/48	Davit mast 26-in. to 48-in. (660 to 1219 mm)
FP6671	Ladder davit fixed 12-in. (305 mm)
FP6680/24	Davit boom 12-in. to 24-in. (305 to 610 mm)
FP6680/36	Davit boom 26-in. to 36-in. (660 to 914 mm)
FP6680/48	Davit boom 36-in. to 48-in. (914 to 1219 mm)



FP6671

## North Self-Retracting Lifeline with Rescue Winch

The integrated retrieval winch can raise or lower a person in an emergency situation. This 3-way SRL can be switched from fall arrest mode to retrieval mode to speed rescue of an injured worker.

SKU	Description
FP2/415SR	50-ft (15 m) of 3/16-in. (5 mm) stainless steel cable with swivel load indicating snap hook
FP6610/15	Mounting bracket for FP2 series SRL and winch housing types

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



FP2/415SR

## North Personnel Winches

The same robust durability and strength of the North 3-way SRL is found in the Personnel Winch. It can handle a variety of tasks including confined space entry/egress and rescue work; swivel snap hook equipped

SKU	Description
FP2/715SR	50-ft. (15 m) of 3/16-in. (5 mm) stainless steel cable with swivel snap hook
FP3/733SR	110-ft. (33 m) of 3/16-in. (5 mm) stainless steel cable with swivel snap hook
FP6610/15	Mounting bracket for FP2 series SRL and winch housing types
FP6610/33	Mounting bracket for FP3 series winch housing types

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



FP2/715SR

## North Complete Confined Space Rescue Kits

SKU	Description
FP66/415SR	Includes Self-Retracting Lifeline with 50-ft. (15 m) of 3/16-in. (5 mm) stainless steel cable and snap hook with load indicator; 7-ft. (2 m) tripod; mounting bracket and storage bag
FP66/715SR	Includes Hoist/Winch with 50-ft (15 m) of 3/16-in. (5 mm) stainless steel cable and snap hook with load indicator; 7-ft. (2 m) tripod; mounting bracket and storage bag

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



# Glossary of Terms

**Anchorage** – a secure point of attachment for lifelines, lanyards or deceleration devices.

**Anchorage Connector** – used to join the connecting device (lanyard, lifeline, or deceleration device) to the anchorage.

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

**Body Belt** – a waist strap for attaching to a lanyard, lifeline or deceleration device. Used for positioning and/or restraint. Also known as a Safety Belt.

**Body Harness** – a design of straps which is secured about a person in a manner to distribute fall arresting forces over at least the thighs, pelvis, waist, chest and shoulders, with provisions for attaching it to other components of a personal fall arrest system. Also known as a Full-Body Harness.

**Body Wear** – the personal protective equipment worn by a worker, such as a body belt or body harness.

**Buckle** – an integral connector used to attach straps or webbing segments together or to themselves.

- **Cam Buckle** – an integral connector whereby the shoulder straps can be easily adjusted simultaneously with one hand. Promotes proper snug fit; will not slip or misadjust.

- **Friction Buckle** – an integral connector whereby the webbing passes over the knurled bar and back down between the knurled bar and frame to adjust and tighten webbing straps.

- **Mating Buckle** – an integral connector whereby a center bar is pushed through a square link. Webbing is then tightened for proper fit.

- **Quick-Connect Buckle** – for leg and chest harness straps that interlock similar to a seat belt for easy use and features a dual-tab release mechanism to prevent accidental opening.

- **Tongue Buckle** – an integral connector similar to a standard belt buckle whereby a webbing strap is inserted through the buckle placing the buckle tongue through the appropriate grommet hole. Also known as a Grommet Buckle.

**Competent Person** – one who is capable of identifying existing and predictable hazards in the surroundings or working conditions which are hazardous, or dangerous to employees, and who has the authority to take prompt corrective measures to eliminate them.

**Connecting Device** – the critical link which joins the body wear to the anchorage/anchorage connector, such as shockabsorbing lanyard, fall limiter, self-retracting lifeline, rope grab, etc.

**Connector** – a mechanism or device used to join together components of a personal fall arrest system or parts of a component within the system. See also Hardware.

**D-Ring** – an integral component or provision commonly found on body wear and some anchorage connectors which allows for attaching a connecting device (lanyard, lifeline, or deceleration device).

**Deceleration Device** – any mechanism which serves to dissipate energy during a fall arrest, limiting the forces imposed on a person.

**Deceleration Distance** – the additional vertical distance a falling person travels, excluding lifeline elongation and free fall distance, before stopping, from the point at which the deceleration device begins to operate. It is measured as the distance between the location of a person's body harness attachment point at the moment of activation (onset of fall arrest forces) of the deceleration device during a fall, and the location of that attachment point after the person comes to a full stop.

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

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

**Free Fall** – the act of falling before the personal fall arrest system begins to arrest the fall.

**Free Fall Distance** – the vertical distance a person falls before the fall arrest system begins to arrest the fall.

**Full-Body Harness** – (See Body Harness.)

**Hardware** – buckles, D-rings, snap hooks and associated connectors which are used to attach components of a personal fall arrest system or parts of a component within the system.

**Lanyard** – a flexible line of rope, wire rope/cable, or webbing which generally has a connector at each end for securing a body belt or body harness to a lifeline, deceleration device or anchorage.

**Lanyard Ring** – a component of a body harness that allows the user to attach a lanyard when not in use so that it is not hanging freely.

# Glossary of Terms

**Lifeline** – a line provided for direct or indirect attachment to a body belt, body harness, lanyard, or deceleration device. Such lifelines may be horizontal or vertical in application.

**Lower Level** – an area or surface to which a person can fall.

**Maximum Arrest Force** – the peak force on the body during arrest of a fall by the fall arrest system. Also known as Peak Fall Arrest Force.

**Maximum Elongation** – the maximum distance a shock absorber will deploy to arrest a fall.

**Personal Fall Arrest System** – an arrangement of components that together will arrest a person in a fall from a working level. It typically consists of an anchorage, connecting device and body harness, and may include a lanyard, deceleration device, lifeline or a combination of these.

**Personal Fall Limiter (PFL)** – a self-retracting lanyard with a quick-activating braking system that limits a free fall. In addition, a PFL offers versatility through dual operation by either attaching directly to the harness back D-ring for use as a personal fall limiter, or can be used as a traditional retractable lifeline. (Ex.: Miller Scorpion™ and Miller TurboLite™)

**Required Fall Clearance** – the maximum vertical distance between the full-body harness attachment point and the lowest extremity of the body before and after the fall is arrested including lanyard extension and/or deceleration distance.

**Retractable Lifeline** – See Self-Retracting Lifeline/Lanyard.

**Roll-out** – a process by which a snap hook, carabiner or similar device unintentionally disengages from another component to which it is attached.

**Rope Grab** – a deceleration device which travels on a lifeline and automatically engages the lifeline and locks to arrest a fall. - Trailing Rope Grab – a rope grab which moves freely up and down the lifeline with hands-free operation.

**Self-Retracting Lifeline/Lanyard** – a deceleration device containing a drum-wound line which can be slowly extracted from or retracted onto the drum under slight tension during normal worker movement, and which, after onset of a fall, automatically locks the drum and arrests the fall. Refer to Fall Limiter. (Ex.: Miller MightyLite™, Falcon™ and Black Rhino™ Self-Retracting Lifelines.)

**Shock Absorber** – a component of a personal fall arrest system which allows dissipation of energy by extending deceleration distance reducing fall arrest forces.

**Shock-Absorbing Lanyard** – specially-designed lanyard that elongates during a fall to significantly reduce fall arresting forces.

**Snap Hook** – a connector with a hook-shaped member, keeper, latch or other similar arrangement which may be opened to receive an object and, when released, automatically closes to retain the object.

- **Locking Snap Hook** – a snap hook that includes a locking mechanism which will keep the hook closed and locked until manually unlocked and opened.

**Strap** – a length of webbing.

**Stretchable Harness** – a full-body harness that is more comfortable to wear because the webbing is a blend of nylon, polyester, and a specially-formulated elastomer that stretches. Includes provisions for attaching a lanyard, lifeline or deceleration device.

**Sub-Pelvic Strap** – a full-body harness strap, which passes under the buttocks without passing through the crotch, that is designed to transmit forces applied during fall arrest or post-fall suspension to the sub-pelvic part of the body. Suspension Trauma (Orthostatic Intolerance) – when a person falls and remains both vertical and sedentary for a period of time, blood pools in the veins of the legs, which could result in unconsciousness. If a person is not rescued quickly, permanent damage and possibly death may result. (Ex.: Miller Relief Step™ Safety Device.)

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

**Total Fall Clearance Distance** – the maximum vertical distance that a worker could potentially fall and still avoid contact with a lower level.

**Limitless Possibilities. Ask the Expert.**

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