

# GRAVITY KILLS

*DEFY IT!*



**Safety at Height Solutions**

**MILLER<sup>®</sup>**

by Honeywell

# MILLER T.I.P.S.™

## TOTAL FALL PROTECTION SOLUTIONS

Protecting workers at height requires a holistic approach that extends beyond standards and regulations. Meeting new or established standards for safety requirements and product performance provides a starting point for safety on the job site.

### Miller T.I.P.S. for Total Compliance

addresses other important considerations to assure a safe environment when working at height.

Globally, Honeywell is committed to providing added value Miller fall protection products and services to those specifying, selecting and using our equipment. While safety at height is our ultimate goal, enhancing worker comfort, trust and increased productivity are also qualities that products bearing the Miller name have strived to maximize for over 65 years.

The Miller brand is more than a line of quality products and services. The name represents greater added value and expertise that only the leader in fall protection can provide.

With production facilities and sales offices on all major continents, Honeywell continues to build strength as a global force by setting the standard in user-focused safety at height solutions.



## TRAINING

### Professional Fall Protection Training

Key to worker safety, on-site awareness, and proper selection and use of fall protection equipment.



## INSPECTION

### Equipment Inspection and Maintenance

Failure is not an option — when in doubt, throw it out!



## PRODUCTS

### Proper Product Selection and Use

All work environments differ, use the right equipment for the job!



## STANDARDS

### Addressing the Standards

Meeting industry standards indicates that products pass accepted testing procedures.



Ask the Expert ...  
Ask Miller.

**800/873-5242**

[www.millerfallprotection.com](http://www.millerfallprotection.com)



## Innovation with a Purpose

New product innovations and industry firsts:

- **Miller Vi-Go™ Ladder Climbing Systems** provide continuous fall protection when climbing fixed ladders
- **Miller Revolution™ Harness**, engineered with seven unique components and more than 11 key product features
- **Miller TurboLite™ Personal Fall Limiter** – never need a shock-absorbing lanyard again
- **Miller Twin Turbo™ Fall Protection Systems** – 100% tie-off fall protection
- **Miller DuraFlex™ Harness** features specially-formulated elastomer webbing that stretches
- **Miller BackBiter® Tie-Back Lanyard with a Miller 5K® Snap Hook** provides an all-in-one anchorage connector and shock-absorbing lanyard



**WARNING**

This document provides an overview of fall protection products available from Honeywell and care has been taken to assure the accuracy of the data. It does not provide important product warnings and instructions. Honeywell recommends all users of fall protection equipment undergo thorough training, and that all warnings and instructions provided with the products be thoroughly read and understood prior to use. Failure to read and follow all product warnings and instructions could result in serious injury or death.



## MILLER PREMIUM FALL PROTECTION PRODUCTS

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## TITAN FALL PROTECTION PRODUCTS

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Fall Protection Kits	Positioning & Restraint Lanyards
ReadyRoofer Fall Protection System	Positioning Assemblies
B-Compliant Roof Kits	Anchorage Connectors
WebLine Temporary Horizontal Lifeline System	Equipment/Accessory Bag
Body Belts	

## MARKET SEGMENTS

### UTILITY INDUSTRY PRODUCTS Page 73

Products designed specifically for use in the Utility Industry

### WIND ENERGY INDUSTRY PRODUCTS Page 97

Products designed specifically for use in the Wind Energy Industry



Smart Policy MillerGuide

## More literature from Miller Fall Protection

Available to view and download at [www.millerfallprotection.com](http://www.millerfallprotection.com) or  
to request a printed copy contact Miller Technical Service at 800/873-5242.

BODY WEAR  
CONNECTING DEVICES  
ANCHORAGE CONNECTORS  
HORIZONTAL LIFELINE SYSTEMS  
CLIMBING & FALL RESTRAINT  
CONFINED SPACE & RESCUE/DESCENT  
FALL PREVENTION & PROTECTION TRAINING  
ENGINEERED SOLUTIONS  
TITAN PRODUCTS  
UTILITY INDUSTRY  
WIND ENERGY INDUSTRY

## Key System Components

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 for safety on the job site.

**A**  
**Anchorage/  
Anchorage Connector**

**B**  
**Body  
Wear**

**Body Wear:**  
The personal protective equipment worn by the worker  
(Ex: full-body harness)

**Anchorage/  
Anchorage Connector**

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

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

**C**  
**Connecting  
Device**

**Connecting Device:**  
The critical link which joins the body wear to the anchorage / anchorage connector  
(Ex: retractable lifeline, *shown*, or shock-absorbing lanyard, see inset below)



## Four Functional Equipment Categories



**Fall Arrest** – As a general rule, it is recommended that a fall arrest system be used at working heights of four feet or more. This system consists of:

- anchorage/anchorage connector
- body wear (full-body harness)
- connecting device (shock-absorbing lanyards, self-retracting lifelines)



**Positioning/Restraint\*** – A positioning/restraint system is used to hold a worker in place while allowing a hands-free work environment at elevated heights and/or restrict the worker's movement to prevent reaching a location where a fall hazard exists. A typical positioning/restraint system consists of:

- anchorage/anchorage connector
- body wear (full-body harness or body belt)
- connecting device (positioning lanyard)

\* The positioning and suspension systems are not designed for fall arrest, and therefore a back-up fall arrest system must be used.



**Suspension\*** – Suspension systems are used widely in the window washing and painting industries and are designed to lower and support a worker while allowing a hands-free work environment. A typical suspension system would include:

- anchorage/anchorage connector (anchor bolt, trolley, carabiner, etc.)
- body wear (full-body harness)
- connecting device (workline)
- suspension device (bos'n chair)

\* The positioning and suspension systems are not designed for fall arrest, and therefore a back-up fall arrest system must be used.



**Retrieval** – The retrieval system is primarily used in confined space applications where workers must enter tanks, manholes, etc. and may require retrieval from above should an emergency occur. A retrieval system typically consists of:

- anchorage/anchorage connector (tripod, davit)
- body wear (full-body harness)
- connecting device (retractable lifeline/retrieval unit)



# 6 Easy Steps That Could Save Your Life

## HOW TO DON A HARNESS



**Step 1**  
Hold harness by back D-ring. Shake harness to allow straps to fall in place.



**Step 2**  
If chest, leg and/or waist straps are buckled, release straps and unbuckle at this time.



**Step 3**  
Slip straps over shoulders so **D-ring is located in middle of back between shoulder blades.**



**Step 4**  
Pull leg straps between legs and connect to opposite end. If belted harness, connect waist strap after leg straps.

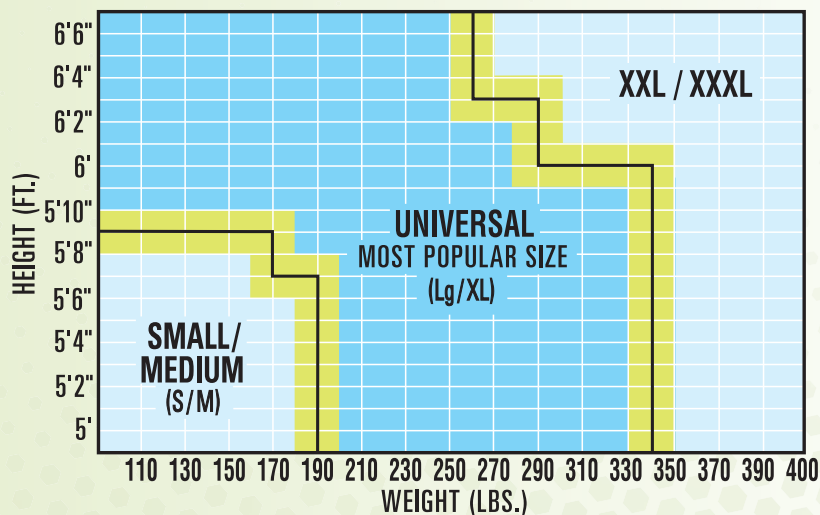


**Step 5**  
**Connect chest strap and position in midchest area.** Tighten to keep shoulder straps taut.



**Step 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.

## Harness Sizing Chart



# 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. Also available in stainless steel (inset).

## 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

Introducing a totally-new concept in full-body harness design. **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.

*THE TURNING POINT  
IN HARNESS DESIGN*

- 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

Prevent Suspension Trauma!  
(See pg. 18 for details)



## DualTech™ Webbing

Donning is made easy with two-sided, contrasting color webbing and textures



## Self-Contained Label Pack

Integrated pack encapsulates labels minimizing damage and loss



## 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



## Web Finalis

Clip-on design safely organizes webbing after proper adjustment



## 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.



## Cam Buckles

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



## Integrated Accessory System

Modular attachment design provides connection points for belts/tools/accessories



## PivotLink™ Connection

Unique rotary design provides greater comfort in bending/mobility. Also available in stainless steel



Stainless steel PivotLink™

RDT-QC/UBK

Pg. 5  
HARNESS  
SIZING  
CHART

# BODY WEAR

## Miller Revolution™ Harnesses with DualTech™ Webbing

### 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.



## Miller Revolution™ Harnesses with DuraFlex® Webbing

### DuraFlex Webbing

Patented, elastomer webbing specially-formulated to stretch.



## Miller Revolution™ Harnesses with Python® Webbing

### Python Webbing

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



SKU	Size	Back D-Ring	Side D-Rings & Pad	Chest Strap Buckle	Leg Strap Buckles	Sub-Pelvic Strap	Removable Belt
<b>MILLER REVOLUTION HARNESSES</b>							
<b>DUALTECH™ WEBBING</b>							
<b>DURAFLEX® WEBBING</b>							
<b>PYTHON® WEBBING</b>							
RDT-QC/UBK	U	Yes	No	Quick-Connect	Quick-Connect	Yes	No
RDT-TB/UBK	U	Yes	No	Quick-Connect	Tongue	Yes	No
RDT-QC-B/UBK	U	Yes	No	Quick-Connect	Quick-Connect	Yes	Yes
RDT-TB-B/UBK	U	Yes	No	Quick-Connect	Tongue	Yes	Yes
RDT-QC-DP/UBK	U	Yes	Yes	Quick-Connect	Quick-Connect	Yes	No
RDT-TB-DP/UBK	U	Yes	Yes	Quick-Connect	Tongue	Yes	No
RDT-QC-BDP/UBK	U	Yes	Yes	Quick-Connect	Quick-Connect	Yes	Yes
RDT-TB-BDP/UBK	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). For front D-ring vest-style option, add "FD" to the corresponding harness SKU number (Ex: RDTFD-QC/UGN).

## Miller Revolution™ Harnesses with Kevlar®-Nomex® Webbing

### 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
<b>MILLER REVOLUTION HARNESSES WITH KEVLAR®-NOMEX® WEBBING</b>							
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/XXXL/BK). 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™ Harness Accessories

SKU	Description
<b>BAGS, POUCHES &amp; HOLDERS</b>	
RIA-T1/6	Mini cell phone holder w/snap-on connector
RIA-T2/6	Regular cell phone/job site radio holder, w/snap-on connector
RIA-T3/6	Water bottle holder, 1 qt. (Bottle not included)
RIA-T4/6	Large open bolt & bull pin bag w/quick-release tool snap
RIA-T5/6	Medium open bolt & bull pin bag
RIA-T6/6	2 pocket nail & tool pouch
RIA-T7/6	Large multi-pouch tool bag w/2 steel hammer loops
RIA-T8/6	Padded hammer loop
RIA-T9/6	Open end pliers & tool holder
RIA-T10/6	Zippered cylindrical utility pouch
RIA-T11/1	Leather utility tool bag
RIA-T12/1	Tower tool bag w/cover

SKU	Description
<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-P2/XXL/XXXL	Seat pad – XXL/XXXL size
RIA-P5AR/U/XL	Hi-temp, removable seat pad – universal size
RIA-P5AR/S/M	Hi-temp, removable 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-B3/	Replacement belt
<b>CONNECTION POINTS</b>	
RIA-C1/6	Sliding belt accessory connectors (3 pack)
RIA-C2/6	Universal accessory & belt attachment clip (2 pack)
RIA-L1/1	Lanyard rings (24)
RIA-L1/6	Lanyard rings (Bulk)



# Miller Revolution™ Harness 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" [0.81 m] to 54" [1.4 m])</b>	
RIA-K1/3	<ul style="list-style-type: none"> <li>Mini cell phone holder w/snap-on connector</li> <li>Water bottle holder</li> </ul>
RIA-K2/3	<ul style="list-style-type: none"> <li>Regular cell phone/job site radio holder w/snap-on connector</li> <li>Water bottle holder</li> <li>Large multi-pouch tool bag w/2 steel hammer loops</li> </ul>

SKU	Description
<b>TOOL RIGS (FITS SIZES 32" [0.81 m] to 54" [1.4 m])</b>	
RIA-R1/	<ul style="list-style-type: none"> <li>Belt w/PivotLink attachments</li> <li>Zippered cylindrical utility pouch</li> <li>Large multi-pouch tool bag w/2 steel hammer loops</li> </ul>
RIA-R2/	<ul style="list-style-type: none"> <li>Belt w/pad &amp; PivotLink attachments</li> <li>Zippered cylindrical utility pouch</li> <li>Large multi-pouch tool bag w/2 steel hammer loops</li> </ul>
RIA-R3/	<ul style="list-style-type: none"> <li>Belt w/PivotLink attachments</li> <li>2 large open bolt &amp; bull pin bags</li> </ul>
RIA-R4/	<ul style="list-style-type: none"> <li>Belt w/pad &amp; PivotLink attachments</li> <li>2 large open bolt &amp; bull pin bags</li> </ul>

# Miller Revolution™ 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 7) 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-lbs. (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



Prevent Suspension Trauma!  
(See pg. 18 for details)



R10CN-MB-BDP/UGN

SKU	Size	Model-Specific Features
<b>MILLER REVOLUTION CONSTRUCTION HARNESSES</b>		
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).

DESIGNED FOR TOUGH ENVIRONMENTS



Pg. 5  
HARNESS SIZING CHART

# Miller Revolution™ Arc-Rated Harnesses

New **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.

*GUARDS AGAINST  
ARC-FLASH AND ARC-BLAST  
EXPOSURE*

■ **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
<b>MILLER REVOLUTION ARC-RATED HARNESSES</b>				
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).

# Miller Revolution™ Vinyl-Coated Harnesses

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.



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

*DESIGNED FOR  
"DIRTY JOB"  
ENVIRONMENTS*

- 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 Lanyards Also Available**  
(See pg. 31 for details)



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
<b>MILLER REVOLUTION VINYL-COATED HARNESSES</b>									
RPC-TB/UGN	U	Yes	Option	No	Mating	Friction	Tongue	Yes	
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 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

ULTIMATE FIT,  
COMFORT AND SAFETY



**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.

Prevent Suspension Trauma!  
(See pg. 18 for details)



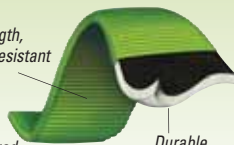
## DuraFlex Python® Ultra Harness

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.

P950QC-77/UGN



High-strength, abrasion-resistant webbing



Contoured edge improves comfort

Durable, high-density, water-repellent foam



Comfort-Touch Back D-Ring Pad

## DuraFlex® Ultra Harness

The DuraFlex Ultra Harness is designed with patented DuraFlex stretchable webbing that provides greater comfort, increases productivity and improves safety.

E650QC/UGN



Patented stretchable elastomer for comfort



Bright, highly-visible design

Tough interwoven webbing



Comfort-Touch Back D-Ring Pad

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 DURAFLEX PYTHON ULTRA HARNESSES</b>									
P950QC/UGN	U	Yes	Option	No	Quick-Connect	Friction	Quick-Connect	Yes	Comfort-touch back D-ring pad / Belt loops
P950QC-7/UGN	U	Yes	Option	Yes	Quick-Connect	Friction	Quick-Connect	Yes	Comfort-touch back D-ring pad / Belt loops
P950QC-77/UGN	U	Yes	Option	Yes	Quick-Connect	Friction	Quick-Connect	Yes	Comfort-touch back D-ring pad / Belt loops / Removable waist belt
P950QC-4/UGN	U	Yes	Option	No	Quick-Connect	Friction	Tongue	Yes	Comfort-touch back D-ring pad / Belt loops
<b>MILLER DURAFLEX ULTRA HARNESSES</b>									
E650QC/UGN	U	Yes	Option	No	Quick-Connect	Friction	Quick-Connect	Yes	Comfort-touch back D-ring pad / Belt loops
E650QC-7/UGN	U	Yes	Option	Yes	Quick-Connect	Friction	Quick-Connect	Yes	Comfort-touch back D-ring pad / Belt loops
E650QC-77/UGN	U	Yes	Option	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). For front D-ring vest-style option, add "FD" to the corresponding harness SKU number (Ex: E650FDQC/XXLGN).

# Miller DuraFlex® Harnesses

## STRETCHABLE

FEEL THE DIFFERENCE!

- 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.

E650/UGN



Prevent Suspension Trauma!  
(See pg. 18 for details)

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 DURAFLEX SERIES 650 HARNESSES</b>									
E650/UGN	U	Yes	Option	No	Mating	Friction	Mating	Yes	Pull-up adjustment / Pull-free lanyard rings / Belt loops
E650-4/UGN	U	Yes	Option	No	Mating	Friction	Tongue	Yes	Pull-up adjustment / Pull-free lanyard rings / Belt loops
E650-7/UGN	U	Yes	Option	Yes	Mating	Friction	Mating	Yes	Pull-up adjustment / Pull-free lanyard rings / Belt loops
E650-58/UGN	U	Yes	Option	Yes	Mating	Friction	Tongue	Yes	Pull-up adjustment / Pull-free lanyard rings / Belt loops
<b>MILLER DURAFLEX UTILITY HARNESSES</b>									
E752/UGN	U	Web Loop	No	No	Mating	–	Mating	Yes	Chest strap adjustment / Protective pads / Adjustable belt loops
E753/UGN	U	Web Loop	No	No	Mating	–	Mating	Yes	Chest strap adjustment / Protective pads / Adjustable belt loops / Self-rescue positioning loops
<b>MILLER DURAFLEX CONSTRUCTION HARNESSES</b>									
E650-77/UGN	U	Yes	Option	Yes	Mating	Friction	Tongue	Yes	Pull-up adjustment / Permanently-attached back pad / Removable body belt / Pull-free lanyard rings
E650-78/UGN	U	Yes	Option	Yes	Mating	Friction	Mating	Yes	Pull-up adjustment / Belt loops / Removable body belt / Pull-free lanyard rings
<b>MILLER DURAFLEX TOWER CLIMBING HARNESSES</b>									
E650-88/UGN	U	Yes	Yes	Yes	Mating	Friction	Mating	Yes	Pull-up adjustment / Body belt w/two accessory rings / Pull-free lanyard rings / Back pad / Includes vest-style front D-ring
E650-89/UGN	U	Yes	Yes	Yes	Mating	Friction	Tongue	Yes	Pull-up adjustment / Body belt w/two accessory rings / Pull-free lanyard rings / Back pad / Includes vest-style front D-ring
<b>MILLER DURAFLEX MS. MILLER® HARNESS</b>									
E570/URN	U	Yes	Option	No	Mating	Friction	Mating	No	Back and leg pads / Pull-free lanyard rings
<b>MILLER DURAFLEX WAREHOUSE PICKER'S HARNESS</b>									
E850-2/UGN	U	Yes	No	No	Mating	Friction	Mating	Yes	Pull-down adjustment / Back D-ring web extension / Pull-free lanyard rings
<b>OTHER MILLER DURAFLEX HARNESSES</b>									
E550/UGN	U	Yes	Yes	No	–	Mating	Mating	Yes	Pull-down adjustment / Pull-free lanyard rings
E552/UGN	U	Yes	Yes	Yes	–	Mating	Mating	Yes	Pull-down adjustment / Pull-free lanyard rings
E850/UGN	U	Yes	Option	No	Mating	Friction	Mating	Yes	Pull-down adjustment / Pull-free lanyard rings
E850-4/UGN	U	Yes	Option	No	Mating	Friction	Tongue	Yes	Pull-down adjustment / Pull-free lanyard rings
E850-7/UGN	U	Yes	Option	Yes	Mating	Friction	Mating	Yes	Pull-down adjustment / Pull-free lanyard rings
E850-58/UGN	U	Yes	Option	Yes	Mating	Friction	Tongue	Yes	Pull-down adjustment / 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). For front D-ring vest-style option, add "FD" to the corresponding harness SKU number (Ex: E650FD/UGN).



# 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.

DISCOVER WRAPAROUND COMFORT

- 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



Prevent Suspension Trauma!  
(See pg. 18 for details)

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 DURAFLEX PYTHON HARNESSSES</b>									
P950/UGN	U	Yes	Option	No	Mating	Friction	Mating	Yes	Santoprene® D-ring back pad / Pull-free lanyard rings / Belt loops
P950-4/UGN	U	Yes	Option	No	Mating	Friction	Tongue	Yes	Santoprene® D-ring back pad / Pull-free lanyard rings / Belt loops
P950-7/UGN	U	Yes	Option	Yes	Mating	Friction	Mating	Yes	Santoprene® D-ring back pad / Pull-free lanyard rings / Belt loops
P950-58/UGN	U	Yes	Option	Yes	Mating	Friction	Tongue	Yes	Santoprene® D-ring back pad / Pull-free lanyard rings / Belt loops
P950-77/UGN	U	Yes	Option	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
P950-78/UGN	U	Yes	Option	Yes	Mating	Friction	Mating	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). For front D-ring vest-style option, add "FD" to the corresponding harness SKU number (Ex: P950FD/UGN). Santoprene® is a registered trademark of Monsanto Corporation.

CONNECTING DEVICES

ANCHORAGE CONNECTORS

HORIZONTAL LIFELINE SYSTEMS

CLIMBING & FALL RESTRAINT

CONFINED SPACE & RESCUE/DESCENT

FALL PREVENTION & PROTECTION TRAINING

ENGINEERED SOLUTIONS

TITAN PRODUCTS

UTILITY INDUSTRY

WIND ENERGY INDUSTRY

Pg. 5 HARNESS SIZING CHART

# Miller Welding Harnesses

DESIGNED FOR THE CHALLENGES OF HARSH WELDING ENVIRONMENTS

## Lightweight/Comfort Welding Harness

650K/UBL

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



Prevent Suspension Trauma!  
(See pg. 18 for details)

## Heavy-Duty Welding Harness

850KQC/UBK

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



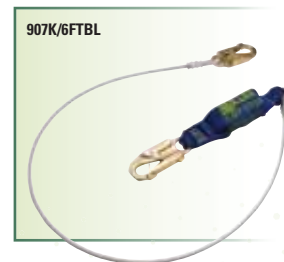
SKU	Size	Back D-Ring	Front D-Ring	Side D-Rings	Chest Strap Buckle	Shoulder Strap Buckles	Leg Strap Buckles	Sub-Pelvic Strap	Special Features
<b>MILLER LIGHTWEIGHT/COMFORT WELDING HARNESSSES</b>									
650K/UBL	U	Yes	Option	No	Mating	Friction	Mating	Yes	Belt loops; pull-up adjustment
650K-7/UBL	U	Yes	Option	Yes	Mating	Friction	Mating	Yes	Belt loops; pull-up adjustment
751K/UBL	U	Yes	Option	No	Mating	–	Mating	Yes	–
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).

## Additional Miller Welding Products

### Miller Welding Lanyards

SKU	Material	Number of Legs	Harness Connection	Anchorage Connection	Special Features	Standard Length
<b>MILLER WELDING LANYARDS</b>						
<b>ANSI A10.32</b>						
907K/6FTBL	1/4-in. (.6 mm) wire rope	One	Locking snap hook	Locking snap hook	SofStop shock absorber w/Nomex cover & Kevlar core	6-ft. (1.8 m)
913K/6FTBL	Nomex/Kevlar webbing	One	Locking snap hook	Locking snap hook	SofStop shock absorber w/Nomex cover & Kevlar core	6-ft. (1.8 m)
940K/6FTBL	Nomex/Kevlar webbing	One	Locking snap hook	Locking snap hook	Double SofStop Pack shock absorber for 12-ft. (3.7 m) free fall with SofStop shock absorber w/Nomex cover & Kevlar core (use w/Miller Shadow Beam Anchor)	6-ft. (1.8 m)
947K/6FTBL	1/4-in. (.6 mm) wire rope	One	Locking snap hook	Locking snap hook	Double SofStop Pack shock absorber for 12-ft. (3.7 m) free fall with SofStop shock absorber w/Nomex cover & Kevlar core (use w/Miller Shadow Beam Anchor)	6-ft. (1.8 m)





### Miller Welding Black Rhino Self-Retracting Lifeline

(For a complete listing of Miller Black Rhino SRL models, see page 24.)

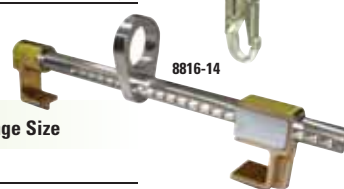
SKU	Cable Lifeline Length	Harness Connection	Anchorage Connection	Weight
<b>MILLER WELDING BLACK RHINO SELF-RETRACTING LIFELINE</b>				
<b>ANSI A10.32</b>				
CFL-1/9FT	9 ft. (2.7 m)	None (need carabiner, not included)	Locking, swivel snap hook w/load indicator	4.8 lbs. (2.2 kg)



### Miller Welding Shadow Adjustable and Fixed Beam Anchors

(For complete details of Shadow Beam Anchor models, see page 35.)

SKU	Description	Fits Flange Size
<b>MILLER WELDING SHADOW ADJUSTABLE AND FIXED BEAM ANCHORS</b>		
8814-12	Lightweight, adjustable Shadow Beam Anchor – stainless steel & high-strength aluminum	4-in. to 12-in. (102 mm to 305 mm)
8814-24	Adjustable Shadow Beam Anchor – stainless steel & high-strength aluminum	12-in. to 24-in. (305 mm to 610 mm)
8815-12	Lightweight, fixed Shadow Beam Anchor – stainless steel & high-strength aluminum	4-in. to 12-in. (102 mm to 305 mm)
8815-24	Lightweight, fixed Shadow Beam Anchor – stainless steel & high-strength aluminum	12-in. to 24-in. (305 mm to 610 mm)
8816-14	Lightweight, adjustable ShadowLite Beam Anchor – high-strength aluminum & bronze	3-in. to 14-in. (76 mm to 356 mm)



### Miller Welding Anchorage Connector

SKU	Description
<b>MILLER WELDING ANCHORAGE CONNECTOR</b>	
8185K/6FTBK	6-ft. (1.8 m) Nomex/Kevlar webbing cross-arm strap with D-ring & loop; available in lengths from 4-ft. (1.2 m) to 10-ft. (3 m)



### Miller Welding Bag

SKU	Description
<b>MILLER WELDING BAG</b>	
8477HG1/BL	Durable welder's bag w/heavy-duty zipper closure & strong wrap-around carrying straps



## 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

SPECIALLY DESIGNED FOR USE IN CONSTRUCTION

Prevent Suspension Trauma!  
(See pg. 18 for details)



Combo D-ring pad / shoulder pads



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 CONTRACTOR NON-STRETCH HARNESSES</b>									
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).

# Miller Oil Rig "Belly Buster" Harnesses

Oil Rig "Belly Buster" Harnesses feature a permanently-attached waist belt and an 8-in. (203 mm) abdomen pad designed for "hands-free" positioning while working on oil rig platforms (monkey boards). A riding harness (saddle seat) for raising and lowering workers is also available.

- Non-stretch nylon webbing harness
- Standard back D-ring connects to shock-absorbing lanyard or self-retracting lifeline
- Tongue buckle leg straps
- **Permanently-attached waist belt and an 8-in. (203 mm) abdomen pad**
- Triple-action auto-lock carabiners for safe rope positioning attachment
- Two (2) pull-free lanyard rings
- Rated to 400-lbs. (181.4 kg) capacity



Riding harness (saddle seat) for raising and lowering workers.



Rope positioning attachment



850-OIL/LYL

SKU	Size	Description
<b>MILLER OIL RIG "BELLY BUSTER" HARNESSSES</b>		
850-OIL/LYL	Large	"Belly Buster" harness w/permanently-attached belt / Rigid abdomen pad / Built-in auto-lock carabiners
850DT-OIL-RS/LAG	Large	Combination "Belly Buster" harness w/permanently-attached belt / Rigid abdomen pad / Built-in auto-lock carabiners / Built-in sling seat for raising and lowering

Harnesses are also available in small, medium, XL and XXL.

# 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

Prevent Suspension Trauma!  
(See pg. 18 for details)



650-4/UYK



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 STANDARD NON-STRETCH HARNESSSES</b>									
650/UYK	U	Yes	Option	No	Mating	Friction	Mating	Yes	Pull-up adjustment / Pull-free lanyard rings / Belt loops
650-4/UYK	U	Yes	Option	No	Mating	Friction	Tongue	Yes	Pull-up adjustment / Pull-free lanyard rings / Belt loops
650-7/UYK	U	Yes	Option	Yes	Mating	Friction	Mating	Yes	Pull-up adjustment / Pull-free lanyard rings / Belt loops
650-58/UYK	U	Yes	Option	Yes	Mating	Friction	Tongue	Yes	Pull-up adjustment / Pull-free lanyard rings / Belt loops
650-77/UYK	U	Yes	Option	Yes	Mating	Friction	Tongue	Yes	Pull-up adjustment / Permanently-attached back pad
550/UYK	U	Yes	Yes	No	–	Mating	Mating	Yes	Pull-free lanyard rings
552/UYK	U	Yes	Yes	Yes	–	Mating	Mating	Yes	Pull-free lanyard rings
750/UYK	U	Yes	No	No	Mating	Friction	–	No	Pull-free lanyard rings
751/UYK	U	Yes	Option	No	Mating	–	Mating	Yes	Pull-free lanyard rings
850/UYK	U	Yes	No	No	Mating	Friction	Mating	Yes	Pull-down adjustment / Pull-free lanyard rings
850-4/UYK	U	Yes	No	No	Mating	Friction	Tongue	Yes	Pull-down adjustment / Pull-free lanyard rings
850-7/UYK	U	Yes	No	Yes	Mating	Friction	Mating	Yes	Pull-down adjustment / Pull-free lanyard rings
850-58/UYK	U	Yes	No	Yes	Mating	Friction	Tongue	Yes	Pull-down adjustment / 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: 650/XXLYK). For front D-ring vest-style option, add "FD" to the corresponding harness SKU number (Ex: 650FD/UYK).



# 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



Combo D-ring pad / shoulder pads

Prevent Suspension Trauma!  
(See pg. 18 for details)

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 HP (HIGH PERFORMANCE) HARNESSES</b>									
<b>■ MILLER 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
<b>■ MILLER FRONT D-RING STYLE</b>									
552T/UGK	U	Yes	Yes	Yes	–	Mating	Mating	Yes	Pull-free lanyard rings
552T-4/UGK	U	Yes	Yes	Yes	–	Mating	Tongue	Yes	Pull-free lanyard rings
<b>■ MILLER PULL-DOWN ADJUSTMENT STYLE</b>									
850T/UGK	U	Yes	Option	No	Mating	Friction	Mating	Yes	Pull-free lanyard rings
850T-4/UGK	U	Yes	Option	No	Mating	Friction	Tongue	Yes	Pull-free lanyard rings
850T-7/UGK	U	Yes	Option	Yes	Mating	Friction	Mating	Yes	Pull-free lanyard rings
850T-58/UGK	U	Yes	Option	Yes	Mating	Friction	Tongue	Yes	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: 650T/XXLGK). For front D-ring vest-style option, add "FD" to the corresponding harness SKU number (Ex: 650TFD/UGK).

CONNECTING DEVICES

ANCHORAGE CONNECTORS

HORIZONTAL LIFELINE SYSTEMS

CLIMBING & FALL RESTRAINT

CONFINED SPACE & RESCUE/DESCENT

FALL PREVENTION & PROTECTION TRAINING

ENGINEERED SOLUTIONS

TITAN PRODUCTS

UTILITY INDUSTRY

WIND ENERGY INDUSTRY

## 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.

HELPS PREVENT  
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
<b>MILLER RELIEF STEP SAFETY DEVICE</b>	
9099X/12	Consists of a box of 12 Relief Step Safety Devices
9099/36BULK	36 Relief Step Safety Devices in bulk quantity

## Miller Harness Accessories



Body Belt



D-Ring Extension



Miller O-Ring Extension



Back Pad



Shoulder Pads



Reflective Velcro Sleeve



Back D-Ring Pad

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 High-Visibility Vest

The **Miller High Viz Vest** is designed for use with, or without, a Miller full-body harness. Available in lime-yellow, the vest meets the Department of Transportation (DOT) requirements and the ANSI Class 3 High-Visibility Standard. Vest and harness sold separately reducing costs when either component is damaged or needs replacement.

USE WITH  
OR WITHOUT  
A HARNESS



SKU	Description
<b>MILLER HIGH-VISIBILITY VEST</b>	
HIVIZVEST	To specify size add /M; /L; /XL; or /XXL after SKU number (Ex: HIVIZVEST/M)

## 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.

### 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.



9077 Bandit Tool Lanyard



9076/BK WristBandit Tool Holder

SKU	Description
<b>MILLER TOOL LANYARDS</b>	
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

## Miller Body Belts



2NA



3NA



123N



124N

FULL-FEATURED  
BELTS FOR WORK  
POSITIONING  
ONLY

SKU	Description
<b>MILLER BODY BELTS</b>	
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:

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

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

## Equipment/Accessory Bags



8477H/YL



8477HG1/BL



8477HL1/BK



077H/YL

SKU	Description
<b>EQUIPMENT/ACCESSORY BAGS</b>	
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.



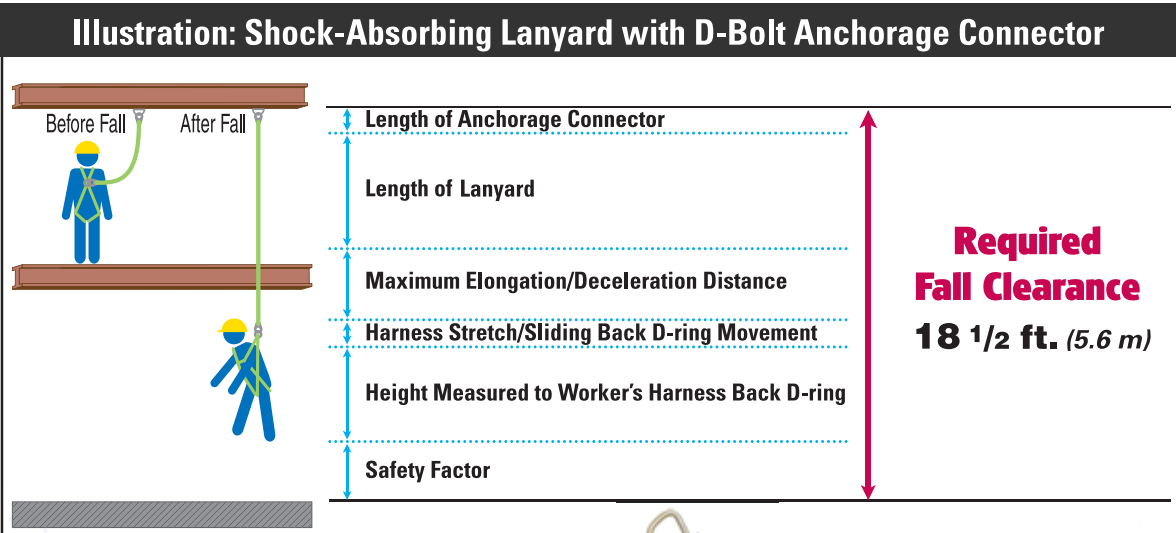
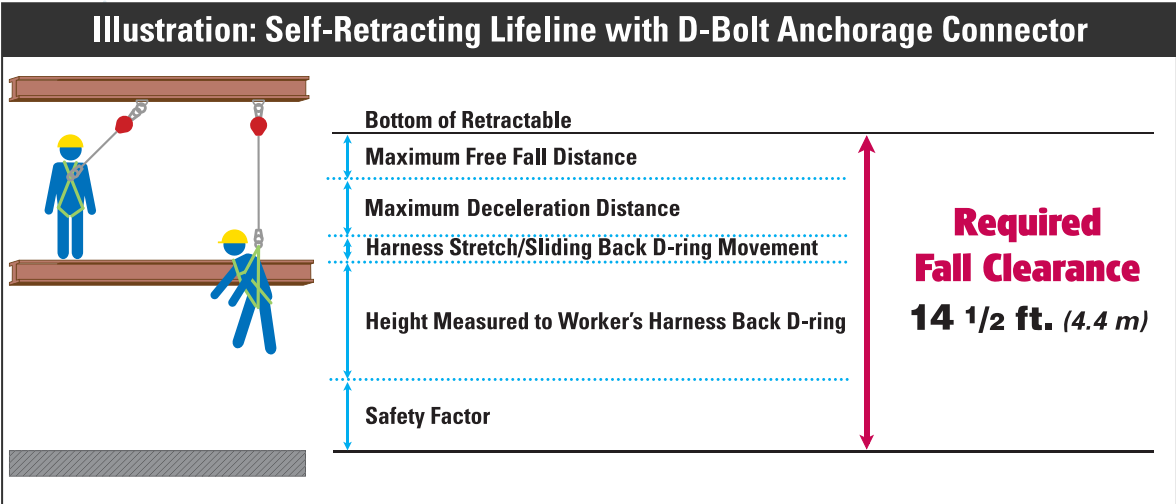
# Fall Clearance Requirements

## Select the Proper Fall Protection Equipment



### Self-Retracting Lifeline or Shock-Absorbing Lanyard?

Always know your fall distance and select proper equipment to meet the fall clearance.



*Remember...*

**UNDER**  
**18 1/2 ft. (5.6 m)\***  
always use a  
**Self-Retracting Lifeline**

**OVER**  
**18 1/2 ft. (5.6 m)**  
use a **Shock-Absorbing Lanyard** or  
**Self-Retracting Lifeline**



\*For fall clearances less than 14-1/2 ft. (4.4 m) contact Miller Technical Service at 800/873-5242



**New!**

# Miller TurboLite™ Personal Fall Limiters

**Compact and Lightweight – only 1.9 lbs. (.86 kg)**

The cost-effective and competitive pricing of the new **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.

**NEVER NEED A SHOCK-ABSORBING LANYARD AGAIN!**

## ■ FEATURES

- First affordable alternative to shock-absorbing lanyards
- Extremely **compact and lightweight** (1.9 lbs. [.86 kg]) provides 6-ft. (1.8 m) working capacity lifeline; unit attaches directly to the harness back D-ring for greater mobility and versatility
- Engineered webbing for greater abrasion resistance and long service life
- High-strength, impact-resistant nylon housing for maximum durability
- Built-in swivel prevents lifeline from twisting
- Rated for up to 400-lbs. (181.4 kg) capacity
- No annual factory recertification required



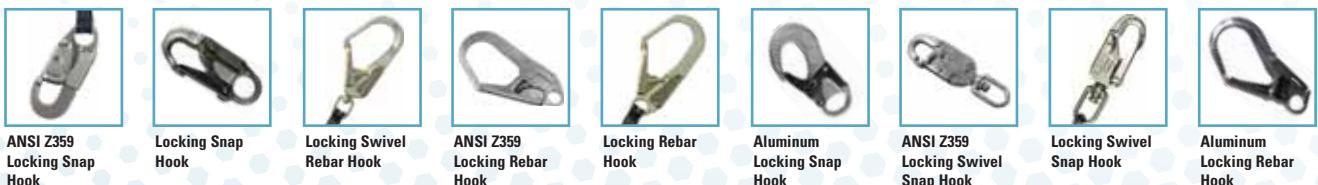
Always Know Your Fall Clearance  
**Pg. 20**



SKU	Description and Unit Connector	Lanyard End Connector	Weight
<b>■ MILLER TURBOLITE PERSONAL FALL LIMITERS</b>			
<b>ANSI Z359</b>			
MFL-1-Z7/6FT	TurboLite w/steel twist-lock carabiner	Locking snap hook	2.5 lbs. (1.1 kg)
MFL-2-Z7/6FT	TurboLite w/steel twist-lock carabiner	Locking rebar hook	3.4 lbs. (1.5 kg)
MFL-3-Z7/6FT	TurboLite without unit connector	Locking snap hook	2.0 lbs. (0.9 kg)
MFL-4-Z7/6FT	TurboLite without unit connector	Locking rebar hook	2.9 lbs. (1.3 kg)
MFL-5-Z7/6FT	TurboLite without unit connector	Locking swivel snap hook	2.1 lbs. (1.0 kg)
MFL-9-Z7/6FT	TurboLite w/locking snap hook	Locking snap hook	2.7 lbs. (1.2 kg)
MFL-10-Z7/6FT	TurboLite w/locking snap hook	Locking rebar hook	3.6 lbs. (1.6 kg)
<b>ANSI A10.32</b>			
MFL-1/6FT	TurboLite w/steel twist-lock carabiner	Locking snap hook	2.4 lbs. (1.1 kg)
MFL-2/6FT	TurboLite w/steel twist-lock carabiner	Locking rebar hook	3.1 lbs. (1.4 kg)
MFL-3/6FT	TurboLite without unit connector	Locking snap hook	1.9 lbs. (.86 kg)
MFL-4/6FT	TurboLite without unit connector	Locking rebar hook	2.6 lbs. (1.2 kg)
MFL-5/6FT	TurboLite without unit connector	Locking swivel snap hook	2.1 lbs. (1.0 kg)
MFL-6/6FT	TurboLite without unit connector	Locking swivel rebar hook	2.7 lbs. (1.2 kg)
MFL-7/6FT	TurboLite w/D-ring swivel hook	Locking snap hook	2.3 lbs. (1.0 kg)
MFL-8/6FT	TurboLite w/D-ring swivel hook	Locking rebar hook	2.0 lbs. (0.9 kg)
MFL-9/6FT	TurboLite w/locking snap hook	Locking snap hook	2.5 lbs. (1.1 kg)
MFL-10/6FT	TurboLite w/locking snap hook	Locking rebar hook	3.2 lbs. (1.5 kg)
MFL-11/6FT	TurboLite w/aluminum twist-lock carabiner	Aluminum locking snap hook	1.9 lbs. (.86 kg)
MFL-12/6FT	TurboLite w/aluminum twist-lock carabiner	Aluminum locking rebar hook	2.6 lbs. (1.2 kg)

Meets global standards for international companies.

## ■ MILLER TURBOLITE LANYARD END CONNECTORS



ANSI Z359 Locking Snap Hook

Locking Snap Hook

Locking Swivel Rebar Hook

ANSI Z359 Locking Rebar Hook

Locking Rebar Hook

Aluminum Locking Snap Hook

ANSI Z359 Locking Swivel Snap Hook

Locking Swivel Snap Hook

Aluminum Locking Rebar Hook

BODY WEAR  
CONNECTING DEVICES  
ANCHORAGE CONNECTORS  
HORIZONTAL LIFELINE SYSTEMS  
CLIMBING & FALL RESTRAINT  
CONFINED SPACE & RESCUE/DESCENT  
FALL PREVENTION & PROTECTION TRAINING  
ENGINEERED SOLUTIONS  
TITAN PRODUCTS  
UTILITY INDUSTRY  
WIND ENERGY INDUSTRY

# New! Miller Twin Turbo™ Fall Protection Systems

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**.

## FEATURES

- Replacement for double-legged shock-absorbing lanyards
- Innovative design that easily connects to the back D-ring of any fall protection harness
- 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

100% TIE-OFF  
FALL PROTECTION

Miller Twin Turbo Fall Protection System  
MFLB-12/6FT



MFLB/

Always  
Know Your  
Fall Clearance  
Pg. 20

SKU	Description and Unit Connector	Lanyard End Connector	Weight
<b>MILLER TWIN TURBO FALL PROTECTION SYSTEMS</b>			
MFLB/	Twin Turbo System D-ring connector	N/A	12.7 oz. (360 g)
MFLB-PARTS/	D-Ring Connector Parts Kit; Slide Lock Bolt (1), PFL Spacer (2), PFL Retainer Pin (2)	N/A	—
<b>ANSI Z359</b>			
MFLB-3-Z7/6FT	Twin Turbo D-ring connector & two (2) MFL-3-Z7/6FT TurboLite PFLs	Locking snap hooks	4.9 lbs. (2.2 kg)
MFLB-4-Z7/6FT	Twin Turbo D-ring connector & two (2) MFL-4-Z7/6FT TurboLite PFLs	Locking rebar hooks	6.7 lbs. (3.0 kg)
<b>ANSI A10.32</b>			
MFLB-3/6FT	Twin Turbo D-ring connector & two (2) MFL-3/6FT TurboLite PFLs	Locking snap hooks	4.7 lbs. (2.1 kg)
MFLB-4/6FT	Twin Turbo D-ring connector & two (2) MFL-4/6FT TurboLite PFLs	Locking rebar hooks	6.1 lbs. (2.8 kg)
MFLB-11/6FT	Twin Turbo D-ring connector & two (2) MFL-11/6FT TurboLite PFLs	Aluminum locking snap hooks	4.2 lbs. (1.9 kg)
MFLB-12/6FT	Twin Turbo D-ring connector & two (2) MFL-12/6FT TurboLite PFLs	Aluminum locking rebar hooks	5.6 lbs. (2.5 kg)

Locking snap hook – 3/4-in. (19 mm) gate opening. Locking rebar hook – 2-1/2-in. (64 mm) gate opening.

# Miller Scorpion™ Personal Fall Limiters

## FEATURES

- 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 2.9 lbs. (1.3 kg)
- Variety of integral anchorage connectors available
- No annual factory recertification required
- Rated to 310-lbs. (140.6 kg) capacity

GREATER VERSATILITY THROUGH DUAL OPERATION



SKU	Unit Connector	Lanyard End Connector	Weight
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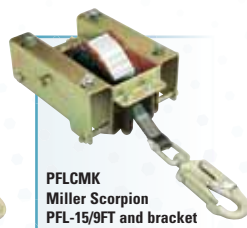
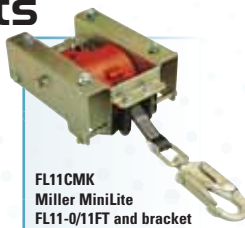
MILLER SCORPION PERSONAL FALL LIMITERS			
<b>ANSI Z359</b>			
PFL-2-Z7/9FT	Steel twist-lock carabiner	Locking snap hook	3.8 lbs. (1.7 kg)
PFL-4-Z7/9FT	Carabiner & swivel shackle	Locking snap hook	4.0 lbs. (1.8 kg)
PFL-6-Z7/9FT	Rebar hook & swivel shackle	Locking snap hook	4.7 lbs. (2.1 kg)
PFL-7-Z7/9FT	Locking snap hook & swivel shackle	Locking snap hook	4.1 lbs. (1.9 kg)
PFL-15-Z7/9FT	No unit connector	Locking swivel snap hook	3.4 lbs. (1.5 kg)
PFLCMK-Z7	Cab mount bracket & PFL-15-Z7/9FT	N/A	9.1 lbs. (4.1 kg)
<b>ANSI A10.32</b>			
PFL-1/9FT	Scorpion without unit connector	Locking snap hook	2.9 lbs. (1.3 kg)
PFL-2/9FT	Scorpion w/steel twist-lock carabiner	Locking snap hook	3.5 lbs. (1.6 kg)
PFL-3/9FT	Scorpion w/stainless steel swivel shackle	Locking snap hook	3.1 lbs. (1.4 kg)
PFL-4/9FT	Scorpion w/carabiner & swivel shackle	Locking snap hook	3.7 lbs. (1.7 kg)
PFL-5/9FT	Scorpion w/D-ring swivel hook	Locking snap hook	3.3 lbs. (1.5 kg)
PFL-6/9FT	Scorpion w/rebar hook & swivel shackle	Locking snap hook	4.4 lbs. (2.0 kg)
PFL-7/9FT	Scorpion w/locking snap hook & swivel shackle	Locking snap hook	3.7 lbs. (1.7 kg)
PFL-8/9FT	Scorpion w/captive eye carabiner	Locking snap hook	3.5 lbs. (1.6 kg)
PFL-9/9FT	Scorpion w/carabiner & swivel shackle	Locking rebar hook	4.4 lbs. (2.0 kg)
PFL-10/9FT	Scorpion w/D-ring swivel hook	Locking rebar hook	4.0 lbs. (1.8 kg)
PFL-11/9FT	Scorpion w/locking snap hook & swivel shackle	Locking rebar hook	4.4 lbs. (2.0 kg)
PFL-12/9FT	Scorpion w/carabiner & swivel shackle	Locking rebar swivel hook	4.4 lbs. (2.0 kg)
PFL-13/9FT	Scorpion w/D-ring swivel hook	Locking rebar swivel hook	4.2 lbs. (1.9 kg)
PFL-14/9FT	Scorpion w/locking snap hook & swivel shackle	Locking rebar swivel hook	4.6 lbs. (2.1 kg)
PFL-15/9FT	Scorpion without unit connector	Locking swivel snap hook	3.1 lbs. (1.4 kg)
PFL-16/9FT	Scorpion w/steel twist-lock carabiner	Locking swivel snap hook	3.7 lbs. (1.7 kg)
PFL-17/9FT	Scorpion without unit connector	Web loop for carabiner	2.3 lbs. (1.0 kg)

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

# Miller Cab Mount Brackets

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

INCREASES OVERHEAD CLEARANCE IN LIFT TRUCK CABS



## FEATURES

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

SKU	Description
<b>MILLER CAB MOUNT BRACKET</b>	
CMB/	Bracket only (accommodates Miller MiniLite FL11-0/11FT, Miller Scorpion PFL-15/9FT, Miller Black Rhino CFL-1/9FT)
<b>MILLER CAB MOUNT BRACKET KITS</b>	
FL11CMK/	Lift Truck Kit (w/Miller MiniLite FL11-0/11FT & bracket)
PFLCMK/	Lift Truck Kit (w/Miller Scorpion PFL-15/9FT & bracket)
CFLCMK/	Lift Truck Kit (w/Miller Black Rhino CFL-1/9FT & bracket)

BODY WEAR  
CONNECTING DEVICES  
ANCHORAGE CONNECTORS  
HORIZONTAL LIFELINE SYSTEMS  
CLIMBING & FALL RESTRAINT  
CONFINED SPACE & RESCUE/DESCENT  
FALL PREVENTION & PROTECTION TRAINING  
ENGINEERED SOLUTIONS  
TITAN PRODUCTS  
UTILITY INDUSTRY  
WIND ENERGY INDUSTRY



# 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.

*SMALLEST AND LIGHTEST  
9 FT. CABLE LIFELINE  
ON THE MARKET*

## FEATURES

- No annual factory recertification required
- Quick-activating, high-strength stainless steel braking system – arrests free falls, providing a quick, safe rescue
- Variety of integral anchorage connectors available
- Rated to 310-lbs. (140.6 kg) capacity
- 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

Always Know Your Fall Clearance  
**Pg. 20**



CFL-2-Z7/9FT

SKU	Unit Connector	Lanyard End Connector
<b>MILLER BLACK RHINO SELF-RETRACTING LIFELINES</b>		
<b>ANSI Z359</b>		
CFL-2-Z7/9FT	Steel twist-lock carabiner	Locking swivel snap hook with load indicator
CFL-4-Z7/9FT	Stainless steel swivel & twist-lock carabiner	Locking swivel snap hook with load indicator
CFL-5-Z7/9FT	Stainless steel swivel & locking rebar hook	Locking swivel snap hook with load indicator
<b>ANSI A10.32</b>		
CFL-1/9FT	None (need carabiner, not included)	Locking, swivel snap hook with load indicator
CFL-2/9FT	Steel twist-lock carabiner	Locking, swivel snap hook with load indicator
CFL-3/9FT	Stainless steel swivel (need carabiner, not included)	Locking, swivel snap hook with load indicator
CFL-4/9FT	Stainless steel swivel & steel twist-lock carabiner	Locking, swivel snap hook with load indicator
CFL-5/9FT	Stainless steel swivel & rebar locking snap hook	Locking, swivel snap hook with load indicator
CFL-6/9FT	Stainless steel swivel & steel twist-lock carabiner	Locking rebar snap hook

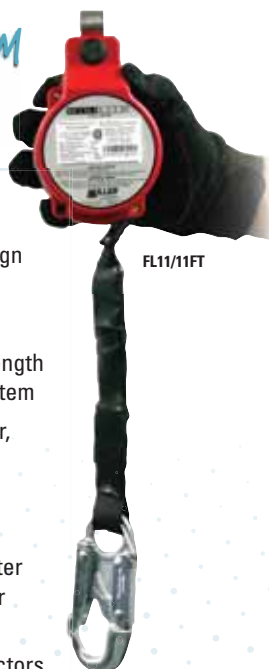
Locking Snap Hook – 3/4-in. (19 mm) gate opening; Locking Rebar Hook – 2-1/2-in. (64 mm) gate opening.



# 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 distance clearance, minimizing the risk of injuries and making rescue easier.

*FITS IN THE PALM  
OF YOUR HAND*



FL11/11FT

## FEATURES

- 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 to 310-lbs. (140.6 kg) capacity

SKU	Description
<b>MILLER MINILITE FALL LIMITERS</b>	
<b>ANSI Z359</b>	
FL11-0-Z7/11FT	MiniLite w/swivel snap hook on web lanyard end
FL11-1-Z7/11FT	MiniLite w/steel twist-lock carabiner
FL11-3-Z7/11FT	MiniLite w/steel twist-lock carabiner & swivel shackle
FL11-6-Z7/11FT	MiniLite w/rebar hook swivel shackle
FL11-8-Z7/11FT	MiniLite w/locking snap hook & swivel shackle
<b>ANSI A10.32</b>	
FL11/11FT	MiniLite with no anchorage connector
FL11-0/11FT	MiniLite w/swivel snap hook on web lanyard end
FL11-1/11FT	MiniLite w/steel twist-lock carabiner
FL11-2/11FT	MiniLite w/stainless steel swivel shackle
FL11-3/11FT	MiniLite w/steel twist-lock carabiner & swivel shackle
FL11-4/11FT	MiniLite w/attached 3-ft. (1 m) cross-arm strap*
FL11-5/11FT	MiniLite w/locking rebar hook
FL11-6/11FT	MiniLite w/rebar hook & swivel shackle
FL11-7/11FT	MiniLite w/locking snap hook
FL11-8/11FT	MiniLite w/locking snap hook & swivel shackle
FL11-9/11FT	MiniLite w/no anchorage connector & small loop on lanyard end
FL11-10/11FT	MiniLite w/swivel shackle & small loop on lanyard end
FL11-11/11FT	MiniLite w/locking snap hook, swivel shackle & rebar hook on web lanyard end
FL11-12/11FT	MiniLite w/attached captive-eye carabiner

\*Additional lengths available. Locking Snap Hook – 3/4-in. (19 mm) gate opening; Locking Rebar Hook – 2-1/2-in. (64 mm) gate opening.

# Miller Falcon™ Self-Retracting Lifelines

Nearly indestructible, the high impact-resistant nylon housing withstands the harsh rigors of the toughest applications. These lightest, most rugged line of composite retractables are available in 16-ft. (4.9 m), 20-ft. (6 m), 30-ft. (9 m), 50-ft. (15 m) and 65-ft. (20 m) lengths.

## FEATURES

- 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) models
- Dual swivels (unit top and snap hook) minimize twisting of lifeline during use
- 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)
- **No annual factory recertification required\*** – lowers cost of ownership  
\*Except in Canada where the Canadian Standards Association requires annual factory recertification.
- Falcon cable SRL models rated to 400-lbs. (181.4 kg) capacity when using a SofStop shock absorber (928LS/181NYL)
- Falcon web SRL models rated for up to 400-lbs. (181.4 kg) worker

LIFETIME HOUSING GUARANTEE!



MP50G-Z7/50FT



WEB FALCON MP16P-Z7/16FT

New!

Always Know Your Fall Clearance Pg. 20

Xtreme DURABILITY

SKU	Description	Weight	Dimensions (LxWxD)
<b>MILLER FALCON WEB SELF-RETRACTING LIFELINES</b>			
<b>ANSI Z359</b>			
<b>MP16P-Z7/16FT*</b>	16-ft. (4.9 m) web lifeline w/stainless steel swivel, steel carabiner & steel snap hook	4.1 lbs. (1.86 kg)	7.2-in. x 5.7-in. x 2.7-in. (183 mm x 145 mm x 69 mm)
<b>MP20P-Z7/20FT*</b>	20-ft. (6 m) web lifeline w/stainless steel swivel, steel carabiner & steel snap hook	4.2 lbs. (1.90 kg)	7.2-in. x 5.7-in. x 2.7-in. (183 mm x 145 mm x 69 mm)
<b>ANSI A10.32</b>			
<b>MP16P/16FT</b>	16-ft. (4.9 m) web lifeline w/stainless steel swivel, aluminum carabiner & aluminum snap hook	3.5 lbs. (1.59 kg)	7.2-in. x 5.7-in. x 2.7-in. (183 mm x 145 mm x 69 mm)
<b>MP20P/20FT</b>	20-ft. (6 m) web lifeline w/stainless steel swivel, aluminum carabiner & aluminum snap hook	3.6 lbs. (1.63 kg)	7.2-in. x 5.7-in. x 2.7-in. (183 mm x 145 mm x 69 mm)
<b>MILLER FALCON WIRE ROPE AND STAINLESS STEEL SELF-RETRACTING LIFELINES</b>			
<b>ANSI Z359</b>			
<b>MP20G-Z7/20FT</b>	20-ft. (6 m) galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	8.9 lbs. (4.0 kg)	10-in. x 8.4-in. x 4-in. (254 mm x 213 mm x 102 mm)
<b>MP30G-Z7/30FT</b>	30-ft. (9 m) galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	10.7 lbs. (4.9 kg)	10-in. x 8.4-in. x 4-in. (254 mm x 213 mm x 102 mm)
<b>MP50G-Z7/50FT</b>	50-ft. (15 m) galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	14.8 lbs. (6.7 kg)	13.5-in. x 9.7-in. x 4-in. (343 mm x 246 mm x 102 mm)
<b>MP65G-Z7/65FT</b>	65-ft. (20 m) galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	17.1 lbs. (7.8 kg)	13.5-in. x 9.7-in. x 4-in. (343 mm x 246 mm x 102 mm)
<b>ANSI A10.32</b>			
<b>MP20G/20FT</b>	20-ft. (6 m) galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	8.9 lbs. (4.0 kg)	10-in. x 8.4-in. x 4-in. (254 mm x 213 mm x 102 mm)
<b>MP20SS/20FT</b>	20-ft. (6 m) stainless steel wire rope (3/16-in. [5 mm]) w/tagline & carabiner	8.9 lbs. (4.0 kg)	10-in. x 8.4-in. x 4-in. (254 mm x 213 mm x 102 mm)
<b>MP30G/30FT</b>	30-ft. (9 m) galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	10.7 lbs. (4.9 kg)	10-in. x 8.4-in. x 4-in. (254 mm x 213 mm x 102 mm)
<b>MP30SS/30FT</b>	30-ft. (9 m) stainless steel wire rope (3/16-in. [5 mm]) w/tagline & carabiner	10.7 lbs. (4.9 kg)	10-in. x 8.4-in. x 4-in. (254 mm x 213 mm x 102 mm)
<b>MP50G/50FT</b>	50-ft. (15 m) galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	14.8 lbs. (6.7 kg)	13.5-in. x 9.7-in. x 4-in. (343 mm x 246 mm x 102 mm)
<b>MP50SS/50FT</b>	50-ft. (15 m) stainless steel wire rope (3/16-in. [5 mm]) w/tagline & carabiner	14.8 lbs. (6.7 kg)	13.5-in. x 9.7-in. x 4-in. (343 mm x 246 mm x 102 mm)
<b>MP65G/65FT</b>	65-ft. (20 m) galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	17.1 lbs. (7.8 kg)	13.5-in. x 9.7-in. x 4-in. (343 mm x 246 mm x 102 mm)
<b>MP65SS/65FT</b>	65-ft. (20 m) stainless steel wire rope (3/16-in. [5 mm]) w/tagline & carabiner	17.1 lbs. (7.8 kg)	13.5-in. x 9.7-in. x 4-in. (343 mm x 246 mm x 102 mm)
<b>928LS/181NYL</b>	SofStop shock absorber pack w/locking snap hook & D-ring	1.4 lbs. (0.6 kg)	18-in. (457 mm)

\*ANSI Z359 compliant for connectors which meet the 3,600 lbs. (16 kN) gate requirement. Locking Snap Hook – 3/4-in. (19 mm) gate opening.



# Miller MightyLite™ Self-Retracting Lifelines

## FEATURES

- Corrosion-resistant stainless steel and aluminum housing components and housing extend service life
- No annual factory recertification required\*  
\*Except in Canada where the Canadian Standards Association requires annual factory recertification.
- Rated to 310-lbs. (140.6 kg) capacity
- 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

UP TO 30% LIGHTER THAN COMPETITIVE MODELS

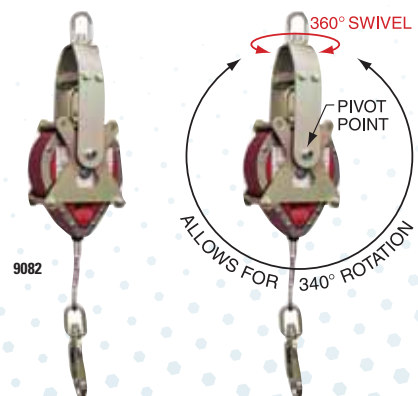


SKU	Description	Length	Weight
<b>MILLER MIGHTYLITE SELF-RETRACTING LIFELINES</b>			
<b>ANSI Z359</b>			
RL20G-Z7/20FT	Galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	20-ft. (6 m)	12 lbs. (5.4 kg)
RL20P-Z7/20FT	Polyester webbing (1-in. [25 mm]) w/tagline & carabiner	20-ft. (6 m)	11 lbs. (5.0 kg)
RLS30G-Z7/30FT	Galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	30-ft. (9 m)	14 lbs. (6.4 kg)
RL50G-Z7/50FT	Galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	50-ft. (15 m)	22 lbs. (10.0 kg)
RL50P-Z7/50FT	Polyester webbing (1-in. [25 mm]) w/tagline & carabiner	50-ft. (15 m)	21 lbs. (9.5 kg)
RL65G-Z7/65FT	Galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	65-ft. (20 m)	30 lbs. (10.4 kg)
RL100G-Z7/100FT	Galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	100-ft. (30 m)	53 lbs. (24.0 kg)
RL130G-Z7/130FT	Galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	130-ft. (40 m)	56 lbs. (25.4 kg)
RL175G-Z7/175FT	Galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	175-ft. (53 m)	70 lbs. (31.8 kg)
<b>ANSI A10.32</b>			
RL20P/20FT	Polyester webbing (1-in. [25 mm]) w/tagline & carabiner	20-ft. (6 m)	11 lbs. (5.0 kg)
RL20G/20FT	Galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	20-ft. (6 m)	12 lbs. (5.4 kg)
RL20SS/20FT	Stainless steel wire rope (3/16-in. [5 mm]) w/tagline & carabiner	20-ft. (6 m)	12 lbs. (5.4 kg)
RLS30G/30FT	Galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	30-ft. (9 m)	14 lbs. (6.4 kg)
RLS30S/30FT	Stainless steel wire rope (3/16-in. [5 mm]) w/tagline & carabiner	30-ft. (9 m)	14 lbs. (6.4 kg)
RL50P/50FT	Polyester webbing (1-in. [25 mm]) w/tagline & carabiner	50-ft. (15 m)	19 lbs. (8.6 kg)
RL50G/50FT	Galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	50-ft. (15 m)	20 lbs. (9.1 kg)
RL50SS/50FT	Stainless steel wire rope (3/16-in. [5 mm]) w/tagline & carabiner	50-ft. (15 m)	21 lbs. (9.5 kg)
RL65G/65FT	Galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	65-ft. (20 m)	24 lbs. (10.9 kg)
RL65SS/65FT	Stainless steel wire rope (3/16-in. [5 mm]) w/tagline & carabiner	65-ft. (20 m)	24 lbs. (10.9 kg)
RL100G/100FT	Galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	100-ft. (30 m)	54 lbs. (24.5 kg)
RL100SS/100FT	Stainless steel wire rope (3/16-in. [5 mm]) w/tagline & carabiner	100-ft. (30 m)	54 lbs. (24.5 kg)
RL130G/130FT	Galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	130-ft. (40 m)	56 lbs. (25.4 kg)
RL130SS/130FT	Stainless steel wire rope (3/16-in. [5 mm]) w/tagline & carabiner	130-ft. (40 m)	56 lbs. (25.4 kg)
RL175G/175FT	Galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	175-ft. (53 m)	70 lbs. (31.8 kg)
RL175SS/175FT	Stainless steel wire rope (3/16-in. [5 mm]) w/tagline & carabiner	175-ft. (53 m)	70 lbs. (31.8 kg)

\*\*Available without the tagline and carabiner. To order, add a "B" to the corresponding model number (Ex: RL20BP/20FT). 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). Locking Snap Hook – 3/4-in. (19 mm) gate opening; Locking Rebar Hook – 2-1/2-in. (64 mm) gate opening.

## Miller MightyLite Swivel Brackets

Swivel bracket reduces webbing or cable wear and increases worker mobility. Applications include leading edge deck construction, warehouse pickers, bridge construction, steel erection and industrial. Constructed of corrosion-resistant, heavy-duty zinc-plated steel and stainless steel, the swivel bracket is easy to retrofit on existing MightyLite units.



SKU	Description
<b>MILLER MIGHTYLITE SWIVEL BRACKETS</b>	
9082	Swivel bracket (retrofit) for 20-ft. (6 m) & 30-ft. (9 m) MightyLite units
9083	Swivel bracket (retrofit) for 50-ft. (15 m) & 65-ft. (20 m) MightyLite units



## Miller Retractable Web Lanyards

Designed for limited-range applications, the **Miller Retractable Web Lanyard** is lightweight and dependable.



SKU	Description	Weight
<b>MILLER RETRACTABLE WEB LANYARDS</b>		
<b>ANSI A10.32</b>		
8327/10FTYL	Compact, retractable lanyard with up to 10-ft. (3 m) of polyester webbing, complete with a top-swivel shackle, carabiner & a locking snap hook with 3/4-in. (19 mm) gate opening	3.7 lbs. (1.7 kg)
8327A/10FTYL	Same as model 8327/10FTYL, except without the carabiner	3.7 lbs. (1.7 kg)
AD6902/8FTYL	Same as model 8327/10FTYL, except with carabiners at the anchorage & lanyard ends, 8 ft. (2.4 m)	3.7 lbs. (1.7 kg)

## 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 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.



Featuring the **Miller 5K® Snap Hook**

### FEATURES

- 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



913B/6FTGN



8798B/6FTGN

**TIE-BACK SAFELY!**

Always Know Your Fall Clearance  
**Pg. 20**

SKU	Material	Number of Legs	Harness Connection	Anchorage Connection	Standard Length
<b>MILLER BACKBITER TIE-BACK LANYARDS</b>					
<b>ANSI Z359</b>					
913B/6FTGN*	Webbing	One	Locking snap hook	Locking 5K snap hook	6-ft. (1.8 m)
8798B/6FTGN*	Webbing	Two	Locking snap hook	Locking 5K snap hooks	6-ft. (1.8 m)

\*In Canada, add a "C" to the SKU (ie. 913B/6FTGN(C)). Locking Snap Hook – 3/4-in. (19 mm) gate opening. Cordura is a registered trademark of E. I. DuPont.

# Miller Manyard® and Manyard HP™ Shock-Absorbing Lanyards

With 20 years of design refinement, the “Original” Miller Manyard and Miller Manyard HP Shock-Absorbing Lanyards are unsurpassed in safety on the job site.

*UNSURPASSED IN SAFETY  
ON THE JOB SITE*



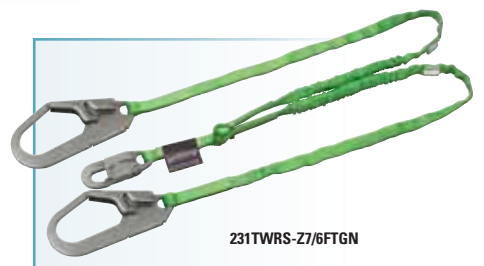
## ■ FEATURES

- 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

### Manyard Lanyard



### Manyard HP Lanyards



SKU	Material	Number of Legs	Harness Connection	Anchorage Connection	Special Features	Standard Length*
<b>■ MILLER MANYARD SHOCK-ABSORBING LANYARDS</b>						
<b>ANSI A10.32</b>						
216WLS/6FTYL	Yellow web	One	Locking snap hook	Locking snap hook	Warning flag	6-ft. (1.8 m)
219WRS/6FTYL	Yellow web	One	Locking snap hook	Locking rebar hook	Warning flag	6-ft. (1.8 m)
231WRS/6FTYL	Yellow web	Two	Locking snap hook	Locking rebar hooks	Warning flag	6-ft. (1.8 m)
232WLS/6FTYL	Yellow web	Two	Locking snap hook	Locking snap hooks	Warning flag	6-ft. (1.8 m)
233WLS/6FTYL	Yellow web	One	Choke-off loop	Locking snap hook	Warning flag	6-ft. (1.8 m)
<b>■ MILLER MANYARD HP SHOCK-ABSORBING LANYARDS</b>						
<b>ANSI Z359</b>						
216TWLS-Z7/6FTGN	Green web	One	Locking snap hook	Locking snap hook	Warning flag	6-ft. (1.8 m)
219TWRS-Z7/6FTGN	Green web	One	Locking snap hook	Locking rebar hook	Warning flag	6-ft. (1.8 m)
231TWRS-Z7/6FTGN	Green web	Two	Locking snap hook	Locking rebar hooks	Warning flag	6-ft. (1.8 m)
232TWLS-Z7/6FTGN	Green web	Two	Locking snap hook	Locking snap hooks	Warning flag	6-ft. (1.8 m)
233TWLS-Z7/6FTGN	Green web	One	Choke-off loop	Locking snap hook	Warning flag	6-ft. (1.8 m)
<b>ANSI A10.32</b>						
216TWLS/6FTGN	Green web	One	Locking snap hook	Locking snap hook	Warning flag	6-ft. (1.8 m)
219TWRS/6FTGN	Green web	One	Locking snap hook	Locking rebar hook	Warning flag	6-ft. (1.8 m)
231TWRS/6FTGN	Green web	Two	Locking snap hook	Locking rebar hooks	Warning flag	6-ft. (1.8 m)
232TWLS/6FTGN	Green web	Two	Locking snap hook	Locking snap hooks	Warning flag	6-ft. (1.8 m)
233TWLS/6FTGN	Green web	One	Choke-off loop	Locking snap hook	Warning flag	6-ft. (1.8 m)
233TWRS/6FTGN	Green web	One	Choke-off loop	Locking rebar hook	Warning flag	6-ft. (1.8 m)
266TWLS/6FTGN	Green web	Two	Choke-off loop	Locking snap hooks	Warning flag	6-ft. (1.8 m)
266TWRS/6FTGN	Green web	Two	Choke-off loop	Locking rebar hooks	Warning flag	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.

# Miller Manyard® II Stretchable Shock-Absorbing Lanyards

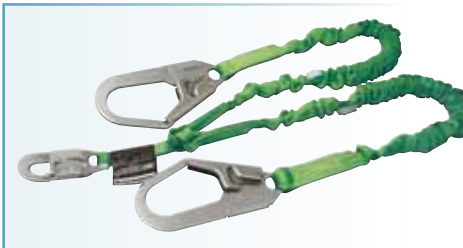
REDUCES TRIPPING HAZARD

## ■ FEATURES

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



216M-Z7/6FTGN

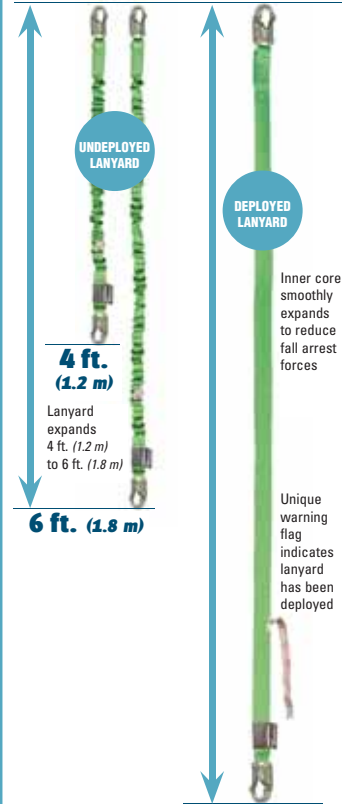


231M-Z7/6FTGN



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

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



SKU	Material	Number of Legs	Harness Connection	Anchorage Connection	Special Features	Standard Length*
<b>■ MILLER MANYARD II STRETCHABLE SHOCK-ABSORBING LANYARDS</b>						
<b>ANSI Z359</b>						
216M-Z7/6FTGN	Webbing	One	Locking snap hook	Locking snap hook	Warning flag / Red core wear indicator	6-ft. (1.8 m)
219M-Z7/6FTGN	Webbing	One	Locking snap hook	Locking rebar hook	Warning flag / Red core wear indicator	6-ft. (1.8 m)
231M-Z7/6FTGN	Webbing	Two	Locking snap hook	Locking rebar hooks	Warning flag / Red core wear indicator	6-ft. (1.8 m)
232M-Z7/6FTGN	Webbing	Two	Locking snap hook	Locking snap hooks	Warning flag / Red core wear indicator	6-ft. (1.8 m)
233MORS-Z7/6FTGN	Webbing	One	Choke-off loop & "O" Ring extension	Locking rebar hook	Warning flag / Red core wear indicator	6-ft. (1.8 m)
<b>ANSI A10.32</b>						
216M/6FTGN	Webbing	One	Locking snap hook	Locking snap hook	Warning flag / Red core wear indicator	6-ft. (1.8 m)
219M/6FTGN	Webbing	One	Locking snap hook	Locking rebar hook	Warning flag / Red core wear indicator	6-ft. (1.8 m)
231M/6FTGN	Webbing	Two	Locking snap hook	Locking rebar hooks	Warning flag / Red core wear indicator	6-ft. (1.8 m)
232M/6FTGN	Webbing	Two	Locking snap hook	Locking snap hooks	Warning flag / Red core wear indicator	6-ft. (1.8 m)
233M/6FTGN	Webbing	One	Choke-off loop	Locking snap 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.



# Miller StretchStop® Lanyards with SofStop® Shock Absorber

REDUCES TRIPPING HAZARD

## ■ FEATURES

- **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*
<b>■ MILLER STRETCHSTOP LANYARDS WITH SOFSTOP SHOCK ABSORBER</b>					
<b>ANSI Z359</b>					
913SS-Z7/6FTGN	Webbing	One	Locking snap hook	Locking snap hook	6-ft. (1.8 m)
913RSS-Z7/6FTGN	Webbing	One	Locking snap hook	Locking rebar hook	6-ft. (1.8 m)
8798SS-Z7/6FTGN	Webbing	Two	Locking snap hook	Locking snap hooks	6-ft. (1.8 m)
8798RSS-Z7/6FTGN	Webbing	Two	Locking snap hook	Locking rebar hooks	6-ft. (1.8 m)
<b>ANSI A10.32</b>					
913SS/6FTGN	Webbing	One	Locking snap hook	Locking snap hook	6-ft. (1.8 m)
913RSS/6FTGN	Webbing	One	Locking snap hook	Locking rebar hook	6-ft. (1.8 m)
8798SS/6FTGN	Webbing	Two	Locking snap hook	Locking snap hooks	6-ft. (1.8 m)
8798RSS/6FTGN	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.

# 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.

## ■ FEATURES

- 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
<b>■ MILLER HP LANYARDS WITH SOFSTOP SHOCK ABSORBER</b>						
<b>ANSI Z359</b>						
910TWLS-Z7/6FTGN	Webbing	One	Locking snap hook	Locking snap hook	Adjustable	6-ft. (1.8 m)
913TWLS-Z7/3FTGN	Webbing	One	Locking snap hook	Locking snap hook	–	3-ft. (.91 m)
913TWLS-Z7/6FTGN	Webbing	One	Locking snap hook	Locking snap hook	–	6-ft. (1.8 m)
8798T-Z7/6FTGN	Webbing	Two	Locking snap hook	Locking snap hooks	–	6-ft. (1.8 m)
8798TR-Z7/6FTGN	Webbing	Two	Locking snap hook	Locking rebar hooks	–	6-ft. (1.8 m)
<b>ANSI A10.32</b>						
910TWLS/6FTGK	Webbing	One	Locking snap hook	Locking snap hook	Adjustable	4-ft. (1.2 m) to 6-ft. (1.8 m)
913TWLS/6FTGK	Webbing	One	Locking snap hook	Locking snap hook	–	6-ft. (1.8 m)
922TWRS/6FTGK	Webbing	One	Locking snap hook	Locking rebar hook	–	6-ft. (1.8 m)
8798T/6FTGN	Webbing	Two	Locking snap hook	Locking snap hooks	–	6-ft. (1.8 m)
8798TR/5FTGN	Webbing	Two	Locking snap hook	Locking rebar hooks	–	6-ft. (1.8 m)
8798TR/6FTGN	Webbing	Two	Locking snap hook	Locking rebar hooks	–	6-ft. (1.8 m)
8878T/6FTGN	Webbing	Two	Locking snap hook	Locking snap hooks	Adjustable	4-ft. (1.2 m) to 6-ft. (1.8 m)
8878TR/6FTGN	Webbing	Two	Locking snap hook	Locking rebar hooks	Adjustable	4-ft. (1.2 m) to 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.

# Miller Rope, Wire Rope 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.

REDUCES FALL ARREST FORCES



SKU	Material	Number of Legs	Harness Connection	Anchorage Connection	Special Features	Standard Length
<b>MILLER LANYARDS WITH SOFSTOP SHOCK ABSORBER</b>						
<b>ANSI A10.32</b>						
928LS/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/6FTYL	Wire rope	One	Locking snap hook	Locking snap hook	–	6-ft. (1.8 m)
907NLS/6FTYL	Vinyl-coated wire 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/6FTYL	Webbing	One	Locking snap hook	Locking snap hook	–	6-ft. (1.8 m)
940WLS/6FTGN	Webbing	One	Locking snap hook	Locking snap hook	SofStop Double Pack**	6-ft. (1.8 m)
980WLS/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. 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.

# 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.

DESIGNED FOR "DIRTY JOB" ENVIRONMENTS

## FEATURES

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



SKU	Material	Number of Legs	Harness Connection	Anchorage Connection	Standard Length
<b>MILLER VINYL-COATED SHOCK-ABSORBING LANYARDS</b>					
<b>ANSI Z359</b>					
913PC/6FTGN	Vinyl-coated webbing	One	Locking snap hook	Locking snap hook	6-ft. (1.8 m)
922PCR/6FTGN	Vinyl-coated webbing	One	Locking snap hook	Locking rebar hook	6-ft. (1.8 m)
8798PC/6FTGN	Vinyl-coated webbing	Two	Locking snap hook	Locking snap hooks	6-ft. (1.8 m)
8798PCR/6FTGN	Vinyl-coated webbing	Two	Locking snap hook	Locking rebar hooks	6-ft. (1.8 m)

# 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.

## FEATURES

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



SKU	Description
<b>MILLER ROPE GRABS</b>	
<b>ANSI Z359</b>	
8175-Z7/	Trailing Rope Grab – Stainless steel trailing rope grab w/anti-panic feature for use with 5/8-in. (16 mm) rope
8175SLS-Z7/3FTYL	Trailing Rope Grab – 8175-Z7/ with attached 3-ft. (1 m) SofStop shock-absorber for use with 5/8-in. (16 mm) rope
<b>ANSI A10.32</b>	
8172/U	Miller MicroLoc™ Trailing Rope Grab – Compact, stainless steel trailing rope grab for use with 5/16-in. (8 mm) wire rope
8173/U	Miller MicroLoc™ Trailing Rope Grab – Compact, stainless steel trailing rope grab for use with 5/8-in. (16 mm) rope
8174/U	Manual Rope Grab – Stainless steel manual rope grab for use with 5/8-in. (16 mm) or 3/4-in. (19 mm) synthetic rope
8174MLS4/4FTYL	Manual Rope Grab – 8174 w/attached 4-ft. (1.2 m) Manyard shock-absorbing lanyard w/locking snap hook
8174RLS/2FTWH	Manual Rope Grab – 8174 w/attached 2-ft. (0.6 m) rope lanyard w/locking snap hook
8174WLS/2FTYL	Manual Rope Grab – 8174 w/attached 2-ft. (0.6 m) web lanyard w/locking snap hook
98174LS/3FTYLU	Manual Rope Grab – 8174 w/attached SofStop shock absorber w/locking snap hook
8175/U	Trailing Rope Grab – Stainless steel trailing rope grab for use with 5/8-in. (16 mm) rope
8175RLS/2FTWH	Trailing Rope Grab – 8175 w/attached 2-ft. (.6 m) rope lanyard w/locking snap hook
8175WLS/3FTYL	Trailing Rope Grab – 8175 w/attached 3-ft. (1 m) web lanyard w/locking snap hook
8175SLS/3FTYL	Trailing Rope Grab – 8175 w/SofStop shock absorber w/locking snap hook
<b>CSA</b>	
8174/C	Manual Rope Grab – Stainless steel manual rope grab w/anti-panic feature for use with 5/8-in. (16 mm) or 3/4-in. (19 mm) synthetic rope
8175/C	Trailing Rope Grab – Stainless steel trailing rope grab w/anti-panic feature 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
<b>MILLER LIFELINES</b>	
<b>ANSI Z359</b>	
300L-Z7/25FTBL	5/8-in. (16 mm) diameter polypropylene blend rope w/locking snap hook & loop; 25-ft. (7.6 m)
300L-Z7/50FTBL	5/8-in. (16 mm) diameter polypropylene blend rope w/locking snap hook & loop; 50-ft. (15 m)
300L-Z7/100FTBL	5/8-in. (16 mm) diameter polypropylene blend rope w/locking snap hook & loop; 100-ft. (30 m)
<b>ANSI A10.32</b>	
194R-2*	Nylon rope lifeline w/carabiner & thimble; 5/8-in. (16 mm) diameter
194R-5*	Polyester rope lifeline for greater chemical resistance w/carabiner & thimble; 5/8-in. (16 mm) diameter
195R-2*	Nylon rope lifeline w/thimbles; 5/8-in. (16 mm) diameter
195R-5*	Polyester rope lifeline for greater chemical resistance w/thimbles; 5/8-in. (16 mm) diameter
300L/25FTBL	25-ft. (7.6 m); constructed of 5/8-in. (16 mm) polypropylene blend rope; locking snap hook & loop
300L/30FTBL	30-ft. (9 m); constructed of 5/8-in. (16 mm) polypropylene blend rope; locking snap hook & loop
300L/50FTBL	50-ft. (15 m); constructed of 5/8-in. (16 mm) polypropylene blend rope; locking snap hook & loop
300L/75FTBL	75-ft. (23 m); constructed of 5/8-in. (16 mm) polypropylene blend rope; locking snap hook & loop
300L/100FTBL	100-ft. (30 m); constructed of 5/8-in. (16 mm) polypropylene blend rope; locking snap hook & loop

\*Must specify length when ordering.



300L-Z7/100FTBL

# 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.

## 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
<b>MILLER NF SERIES SAFETY STRAPS</b>		
<b>ANSI A10.32</b>		
6NFLS/6FTYL	1-3/4-in. (44 mm) wide, 100% nylon safety strap w/ friction buckle	6-ft. (1.8 m) length
7NFLS/7FTYL	1-3/4-in. (44 mm) wide, 100% nylon safety strap w/ friction buckle	7-ft. (2.1 m) length
<b>MILLER YR SERIES SAFETY STRAPS</b>		
<b>ANSI A10.32</b>		
6YRLS/6FTBR	Strong, six-ply nylon safety strap w/tongue buckle adjuster	6-ft. (1.8 m) length
7YRLS/7FTBR	Strong, six-ply nylon safety strap w/tongue buckle adjuster	7-ft. (2.1 m) length

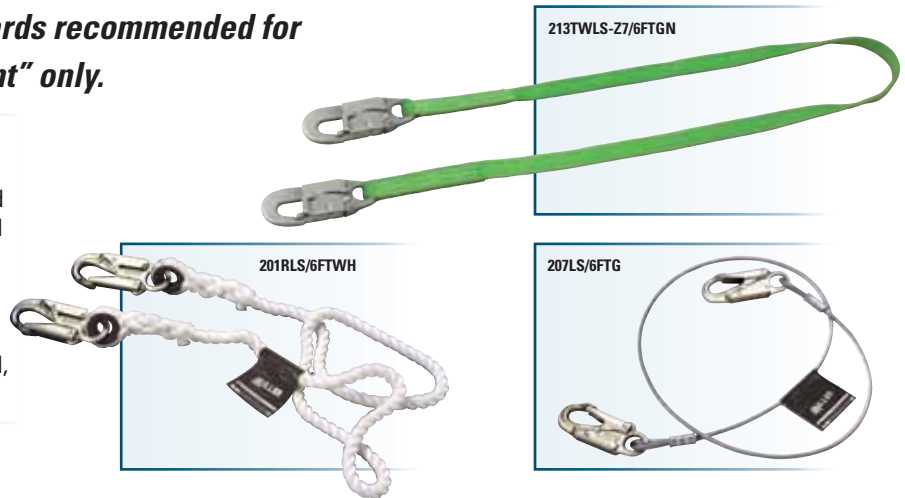


# Miller HP™ & Miller Positioning and Restraint Lanyards

Rope, Wire Rope and Web Lanyards recommended for "work positioning" and "restraint" only.

## FEATURES

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



SKU	Material	Harness Connection	Anchorage Connection	Special Feature	Length*
<b>MILLER HP POSITIONING AND RESTRAINT LANYARDS</b>					
<b>ANSI Z359</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>					
<b>ANSI A10.32</b>					
198RLS/6FTWH**	Nylon rope	Choke-off loop	Locking snap hook	—	6-ft. (1.8 m)
201RLS/6FTWH**	Nylon rope	Locking snap hook	Locking snap hook	—	6-ft. (1.8 m)
202RRS/6FTWH**	Nylon rope	Locking snap hook	Locking snap hook	—	6-ft. (1.8 m)
203RLS/6FTWH**	Nylon rope	Locking snap hook	Locking snap hook	Adjustable	6-ft. (1.8 m)
204RLS/6FTWH**	Nylon rope	Locking snap hook	Thimble for attaching a carabiner	—	6-ft. (1.8 m)
207LS/6FTG	Wire rope	Locking snap hook	Locking snap hook	—	6-ft. (1.8 m)
207NLS/6FTV	Vinyl-coated wire rope	Locking snap hook	Locking snap hook	—	6-ft. (1.8 m)
210WLS/6FTYL	Polyester webbing	Locking snap hook	Locking rebar hook	Adjustable	6-ft. (1.8 m)
212WLS/6FTYL	Polyester webbing	Locking snap hook	Web loop	—	6-ft. (1.8 m)
213WLS/6FTYL	Polyester webbing	Locking snap hook	Locking snap hook	—	6-ft. (1.8 m)
226WRS/6FTYL	Polyester webbing	Locking snap hook	Locking rebar hook	—	6-ft. (1.8 m)

\*Additional lengths are available. \*\*To order polyester rope, add "-5" to the corresponding model number (Ex: 201RLS/6FTWH becomes 201RLS-5/6FTWH). Locking Snap Hook – 3/4-in. (19 mm) gate opening; Locking Rebar Hook – 2-1/2-in. (64 mm) gate opening.

## Miller Positioning Assemblies



6756RS-Z7



6757WRS-Z7/35INGN

SKU	Description
<b>MILLER POSITIONING ASSEMBLIES</b>	
<b>ANSI Z359</b>	
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
<b>ANSI A10.32</b>	
6756RS/	Rebar chain assembly w/two locking snap hooks & one locking rebar hook; swivel attachment & length adjuster
6756RS4/	4-link rebar chain assembly w/two locking snap hooks & one locking rebar hook; swivel attachment
6757WRS/35INGN*	1-in. (25 mm) nylon web positioning assembly w/two locking snap hooks & one locking rebar hook

\*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.

## 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 Grip™ Anchorage Connectors

DESIGNED FOR CONCRETE APPLICATIONS

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.

#### ■ FEATURES

- The reusable Miller Grip Anchor can be removed and simply re-installed in a new location
- 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. 42 for details)
- Multi-use Grip Anchors can be used for anchoring scaffolding, material handling and removal of concrete debris after demolition
- Constructed of stainless steel, aluminum and other non-corrosive materials for a longer service life
- Color-coded to differentiate fall protection use per OSHA regulations



496/



SKU	Hole Diameter	Description
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#### ■ MILLER GRIP ANCHORAGE CONNECTORS

496/	3/4-in. (19 mm)	5,000-lb. (2,268 kg) ultimate strength; for single user connection; 400-lbs. (181 kg) maximum capacity; color-coded green
497/	1-in. (25 mm)	10,000-lb. (4,536 kg) ultimate strength; for single user connection; 400-lbs. (181 kg) maximum capacity; color-coded green
498/	3/4-in. (19 mm)	1,000-lb. (454 kg) max. safe working load for multi-use connection (NOT for fall protection use)
499/	1-in. (25 mm)	2,000-lb. (907 kg) max. safe working load for multi-use connection (NOT for fall protection use)

### 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).

DESIGNED FOR MINING APPLICATIONS

#### ■ FEATURES

- Multiple applications: Mine shafts, railway or road tunnels and underground storage caverns
- The reusable Miller Grip Friction Bolt Anchorage Connector can be removed and simply re-installed in a new location
- Rated for 10,000 lbs. (4,536 kg) ultimate tensile strength
- Constructed of stainless steel, aluminum and other non-corrosive materials for a longer service life
- Miller Grip Friction Bolt Anchor (SKU 494/) can be used with SkyGrip™ Horizontal Lifeline components for a two-person system (see SkyGrip Kit [SG494/60FT] on pg. 42 for details)



494/



494/

SKU	Weight	Description
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#### ■ MILLER GRIP FRICTION BOLT ANCHORAGE CONNECTOR

494/	1 lb. (.5 kg)	Grip anchor for single user 400-lbs. (181 kg) maximum capacity, designed exclusively to accommodate a friction bolt with an outside diameter of 1-1/2 in. (39 mm)
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# Miller Shadow® Adjustable and Fixed Beam Anchors

Miller Shadow Adjustable and Fixed 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
<b>MILLER SHADOW ADJUSTABLE &amp; FIXED BEAM ANCHORS</b>		
8814-12/	Lightweight, adjustable Shadow Beam Anchor – stainless steel & high-strength aluminum	4-in. to 12-in. (102 mm to 305 mm)
8814-24/	Lightweight, adjustable Shadow Beam Anchor – stainless steel & high-strength aluminum	12-in. to 24-in. (305 mm to 610 mm)
8815-12/	Lightweight, fixed Shadow Beam Anchor – stainless steel & high-strength aluminum	4-in. to 12-in. (102 mm to 305 mm)
8815-24/	Lightweight, fixed Shadow Beam Anchor – stainless steel & high-strength aluminum	12-in. to 24-in. (305 mm to 610 mm)
8816-14/	Lightweight, adjustable ShadowLite Beam Anchor – high-strength aluminum & bronze; 4.2 lbs. (2 kg)	3-in. to 14-in. (76 mm to 356 mm)
<b>MILLER SHOCK-ABSORBING WEB LANYARDS FOR USE WITH MILLER SHADOW ADJUSTABLE &amp; FIXED BEAM ANCHORS</b>		
<b>ANSI Z359</b>		
940WLS-Z7/6FTGN	Single leg, 6-ft. (1.8 m) shock-absorbing web lanyard w/ <b>Double SofStop pack</b> , two locking snap hooks (designed for 12-ft. [3.7 m] fall – use w/beam anchors)	
<b>ANSI A10.32</b>		
940WLS/6FTGN	Single leg, 6-ft. (1.8 m) shock-absorbing web lanyard w/ <b>Double SofStop pack</b> , two locking snap hooks (designed for 12-ft. [3.7 m] fall – use w/beam anchors)	

# 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.

## FEATURES

- 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

## Applications:

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



SKU	Description
<b>MILLER EDGE FALL PROTECTION SYSTEM</b>	
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-9.5	9-1/2-ft. (2.9 m) height conversion kit; includes 9081/VB-9.5 & 9081/WT/300LB; converts a Standard Edge System (9081/) into a 9-1/2-ft. (2.9 m) high anchorage system
9081/VB-9.5	Vertical boom for 9-1/2-ft. (2.9 m) high Edge System; boom measures 108 in. (2.7 m)
9081/VB-6.5	Vertical boom for 6-1/2-ft. (2 m) high Edge System; boom measures 72 in. (1.8 m)
9081/WT/300LB	Set of 300-lb. (136 kg) counterweights required for 9-1/2-ft. (2.9 m) high Edge System
9081/MRMB	MightEvac Bracket for Edge System; holds 1 or 2 units (MightEvac units, brackets & pulleys sold separately)
9082/	Swivel Bracket (retrofit) for 20-ft. (6 m) & 30-ft. (9 m) MightyLite SRL units (optional)
9083/	Swivel Bracket (retrofit) for 50-ft. (15 m) & 65-ft. (20 m) MightyLite SRL units (optional)





# Miller 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  
8183/6FTGN



### Looped Cross-Arm Anchorage Connectors

The 6-ft. (1.8 m), 2-in. (51 mm) web strap features a 2-in. (50 mm) D-ring which slips through looped webbing. 400-lbs. (181 kg) maximum capacity.

8185/3FTGN  
8185/6FTGN



### 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. 310-lbs. (140.6 kg) maximum capacity.

420/22IN  
420NS/22IN (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/



### 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.

485/22INYL



### 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)



### 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



### Rebar Hook Anchors

Designed to facilitate anchoring to scaffolding, pipe or angle iron, and 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 (ANSI Z359)  
480/19INGN (ANSI A10.32)



### Beam Trolley

The **Beam Trolley** is adjustable and slides along with the worker to provide maximum mobility. **9065** 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** beam trolley to accommodate I-beams up to 8-1/2-in. (216 mm) wide.

**9065-2** Kit converts **9065** beam trolley to accommodate I-beams up to 12-in. (305 mm) wide.

400-lbs. (181.4 kg) maximum capacity.



### 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

The **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.



### Disposable Concrete Anchor Strap

The **Disposable Concrete Anchor Strap (8185CX)** is uniquely designed to provide temporary anchorage on concrete forms. Constructed of 1-3/4-in. (44 mm) wide, abrasion-resistant webbing. Forged steel D-ring (**8185C**) is capable of withstanding 5,000 lbs. (22 kN). Standard lengths of 2 ft. (6 m) and 4 ft. (1.2 m); additional lengths available. Also available with web loop (includes inner-wear pad for carabiner attachment).



### Cable Anchorage Connector

**Cable Anchorage Connectors** create quick, easy and secure points of attachment. Constructed of 1/4-in. (6 mm) vinyl-coated, galvanized wire rope and a steel 3-in. (76 mm) O-ring. Standard length is 6 ft. (1.8 m); additional lengths available. **8187V** features a forged steel, auto-lock, captive eye carabiner with 1-in. (25 mm) gate opening. **8186V** features a locking snap hook with 3/4-in. (19 mm) gate opening. 400-lbs. (181.4 kg) maximum capacity.

### Carabiners – 400-lbs. (181.4 kg) maximum capacity



#### Steel twist-lock carabiner;

1-in. (25 mm) gate opening. Meets ANSI Z359

17D-1/



#### Large, steel twist-lock carabiner;

2-in. (51 mm) gate opening. Meets ANSI Z359

18D-1/



#### Lightweight, aluminum twist-lock carabiner;

1-in. (25 mm) gate opening.

17D-2/

Same as 17D-2 with triple-action feature.

17D-3/



#### Large, aluminum twist-lock carabiner;

2-1/4-in. (57 mm) gate opening.

18D-2/

## Miller Permanent Anchorage Connectors



### Mounted D-Ring

Steel **D-Ring Anchor** with plate, complete with 4-3/8-in. (111 mm) diameter bolts, lockwashers, nuts and drilling template.

410/



### 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

**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/

Stainless steel D-Bolt Anchor available (**416SS/**).

**D-Bolt Anchor** without hardware sold separately.

417/

Stainless steel D-Bolt Anchor available (**417SS/**).

# 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)



### RoofStrider II Kit

- MightyLite™ Self-Retracting Lifeline with 360° rotating bracket
- Roof mounting assembly with clamping feet for use on standing seam metal roofs
- SofStop® Shock Absorber (SKU 928LS/18INYL)



SKU	Description
<b>MILLER ROOFSTRIDER SYSTEM KITS</b>	
<b>ANSI A10.32</b>	
RM50P/50FT	Complete system w/50-ft. (15 m) MightyLite SRL w/webbing; includes DuraFlex Stretchable Harness (SKU E850/UGN)
RM50G/50FT	Complete system w/50-ft. (15 m) MightyLite SRL w/galvanized wire rope; includes SofStop Shock Absorber (SKU 8280H/YL)
<b>MILLER ROOFSTRIDER II SYSTEM KITS</b>	
<b>ANSI A10.32</b>	
SRM30G/30FT	Complete system w/30-ft. (10 m) MightyLite SRL w/galvanized wire rope
SRM50P/50FT	Complete system w/50-ft. (15 m) MightyLite SRL w/webbing
SRM50G/50FT	Complete system w/50-ft. (15 m) MightyLite SRL w/galvanized wire rope
SRM65G/65FT	Complete system w/65-ft. (20 m) MightyLite SRL w/galvanized wire rope
<b>MILLER ROOFSTRIDER II 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 twist-lock carabiner**  
1-in. (25 mm) gate opening. Meets ANSI Z359. 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™ Permanent Roof Anchor



- 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**

#### ■ MILLER SINGLE D PERMANENT ROOF ANCHOR

**RA41/** Stainless steel permanent single D-ring roof anchor for installation over a wood ridge peak or vertical wall. Complete with 8, 16d nails.

### ■ Miller Double D™ Permanent Roof Anchor



- 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

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

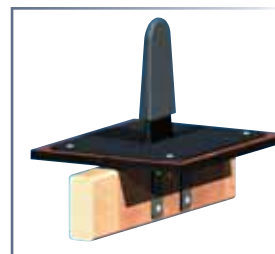
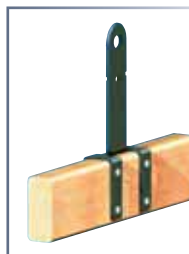


**SKU**

**Description**

#### ■ MILLER DOUBLE D PERMANENT ROOF ANCHOR

**RA40/** Stainless steel permanent double D-ring roof anchor for installation over a wood ridge peak. Complete with 8, 16d nails.



### ■ Miller Claw™ Permanent Roof Anchor

- 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**

#### ■ MILLER CLAW PERMANENT ROOF ANCHOR

**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.

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

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

**SKU**

**Description**

#### ■ MILLER ROOFING KITS

##### ANSI A10.32

**RA20-25/25FT** Kit w/reusable roof anchors (RA20-1) and 25-ft. (7.6 m) rope lifeline

**RA20-50/50FT** Kit w/reusable roof anchors (RA20-1) and 50-ft. (15 m) rope lifeline



# New! Miller SkyGrip™ Temporary Horizontal Cable Lifeline Systems

MAXIMUM GRIPPING POWER

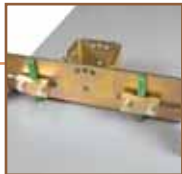
## ■ FEATURES

- **Compact and lightweight** – provides for easier handling, installation and storage
- **Above-the-beam adjustment** – patent-pending design allows for easy one-person installation and dismantle
- **Continuous pass-through design** – 100% tie-off connection with multi-span systems
- Stanchions also serve as **single-point anchorages**
- **Single-span systems** (*no intermediate stanchions*) up to 60-ft. (18.3 m); **multiple-span systems** up to 300-ft. (91.4 m)
- **Tension indicator** – proper tensioning of system ensures accurate fall clearance requirements
- **Interchangeable bases between steel and concrete applications** – modular design maximizes investment and increases versatility
- **Durable zinc-plated steel construction** – corrosion resistant for increased durability and longer service life

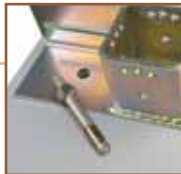
## Miller SkyGrip Systems for Concrete Applications

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.

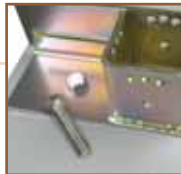
- **Uniquely designed for angled adjustment** – swings out of the way when placing deck-pans between beams (*common in bridge construction*)
- Slider bracket tensions tie-back chain to minimize fall clearance
- For concrete applications, bases can be positioned parallel or perpendicular to the beam
- 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

Angled  
adjustment



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
<b>■ MILLER SKYGRIP SYSTEMS FOR CONCRETE APPLICATIONS</b>					
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
<b>■ MILLER SKYGRIP SYSTEM COMPONENTS</b>	
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



## Miller SkyGrip Systems 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.

- **Systems 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.
- **Systems with Large Base** – Fit beam flanges 12-in. to 36-in. (.3 m to .9 m) wide and 2-1/4-in. to 3-3/8-in. (57 mm to 86 mm) thick.

SKU	Description	Number of Stanchions	Pass-through Brackets for Intermediate Stanchions	Number of Energy Absorbers	Workers per System
<b>■ MILLER SKYGRIP SYSTEMS FOR STEEL APPLICATIONS WITH STANDARD BASE</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>■ MILLER SKYGRIP SYSTEMS FOR STEEL APPLICATIONS WITH LARGE BASE</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

SKU	Description	Beam Flange Width	Beam Flange Thickness
<b>■ MILLER SKYGRIP SYSTEM COMPONENTS</b>			
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	12-in. to 36-in. (.3 m to .9 m)	2-1/4-in. to 3-3/8-in. (57 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	12-in. to 36-in. (.3 m to .9 m)	2-1/4-in. to 3-3/8-in. (57 mm to 86 mm)









## Miller SkyGrip System Components for both Steel and Concrete Applications

SKU	Description
<b>■ MILLER SKYGRIP SYSTEM COMPONENTS FOR BOTH STEEL AND CONCRETE APPLICATIONS</b>	
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™ Wire Rope Lifeline System Kits

A Miller SkyGrip Wire Rope 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.

	<p>■ <b>Miller D-Bolt Anchors</b> may be installed to approved structures to provide a temporary or permanent anchorage.</p>		<p>■ <b>Miller Cross-Arm Straps</b> conveniently wrap around I-beams and other structures to form secure points of attachment.</p>
416/		8183	
Using D-Bolt Anchors		Using Cross-Arm Straps	
	<p>■ <b>Miller Grip Anchors</b> may be used in concrete substrate or mining friction bolts to provide secure points of attachment.</p>		<p>■ <b>Miller Fixed Beam Anchors</b> connect both horizontally and vertically to beams or columns. A durable, spring-loaded, positive-lock engagement pin ensures proper installation.</p>
497/		8815-12/	
Using Miller Grip Anchors		Using Fixed Beam Anchors	

SKU	Description
<b>MILLER SKYGRIP WIRE ROPE LIFELINE SYSTEM KITS</b>	
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

# Miller SkyGrip™ Stainless Steel Permanent Horizontal Lifeline System Kits

**STAINLESS STEEL COMPONENTS FOR CORROSIVE ENVIRONMENTS**

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.



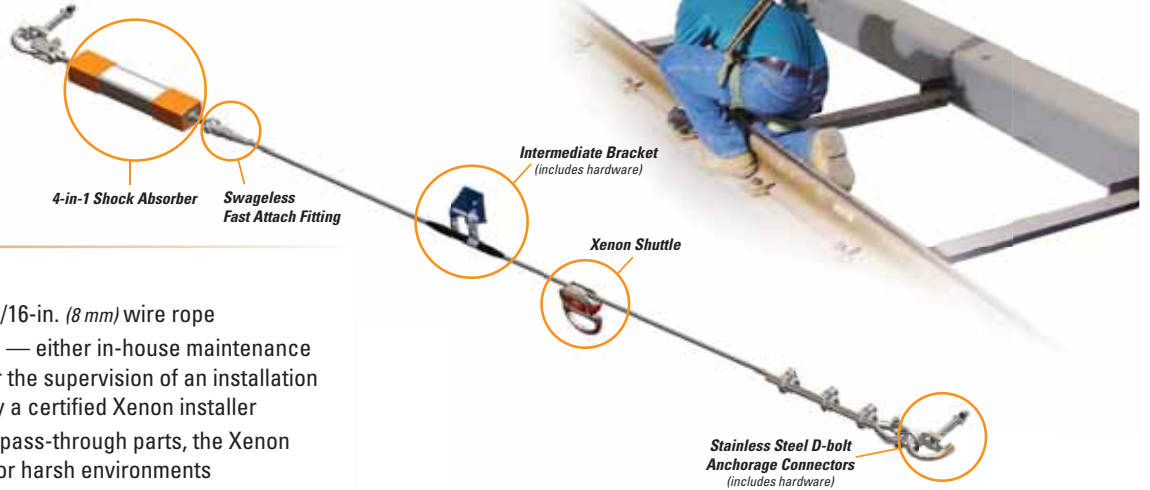
- **FEATURES**
- **Single span systems** – spans adjust up to 60-ft. (18.3 m) and accommodate up to two workers
- **Compact and lightweight** – provides for easier handling and installation
- **Ideal for corrosive environments** – designed for petrochemical, pharmaceutical, food processing, outdoor and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

SKU	Length	Description
<b>MILLER SKYGRIP STAINLESS STEEL (SS) PERMANENT HORIZONTAL LIFELINE SYSTEM KITS</b>		
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 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.

**AUTOMATIC PASS-THROUGH**



## FEATURES

- 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 Permanent Horizontal Lifeline System Kits

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), 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
<b>■ MILLER XENON PERMANENT HORIZONTAL LIFELINE SYSTEM KITS</b>		
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

## Xenon System Components

SKU	Description	
<b>■ MILLER XENON SYSTEM COMPONENTS</b>		
1005709	<b>Xenon Shuttle</b> <ul style="list-style-type: none"> <li>• Self-aligns for smooth automatic pass-through of intermediate brackets</li> <li>• Dual-locking mechanism for added safety</li> </ul>	
1010609	<b>Universal Intermediate Bracket</b> <ul style="list-style-type: none"> <li>• Automatic pass-through bracket allows easy passage of Xenon shuttle for 100% connection to the system</li> <li>• Can be configured as free floating or locked</li> <li>• Brackets can be attached to a fitted cable to allow for easy replacement</li> </ul>	
1014934	<b>Xenon 4-in-1 Shock Absorber</b> <ul style="list-style-type: none"> <li>• Provides four functions in one unit!                             <ul style="list-style-type: none"> <li>– Absorbs energy to reduce system forces</li> <li>– Includes a turnbuckle mechanism for easy tensioning</li> <li>– Features a tension indicator to show when properly tensioned</li> <li>– Incorporates a fall indicator to show someone has fallen</li> </ul> </li> <li>• Compact design allows for immediate connection for added worker safety</li> </ul>	
1013720	<b>Fast-Attach Fitting</b> <ul style="list-style-type: none"> <li>• Provides for easy installation of cable</li> <li>• Requires no specialty swaging tools</li> </ul>	
416SS/	<b>Stainless Steel D-bolt Anchorage Connector</b> <ul style="list-style-type: none"> <li>• Features 5/8-in. (16 mm) hole for hardware</li> <li>• Can be mounted on a vertical surface or overhead for added versatility</li> <li>• Includes 5/8-in. (16 mm) diameter x 5-in. (127 mm) long stainless steel bolt w/nut &amp; washer</li> </ul>	
417SS/	<b>Stainless Steel D-bolt Anchorage Connector</b> <ul style="list-style-type: none"> <li>• Features 5/8-in. (16 mm) hole for hardware</li> <li>• Can be mounted on a vertical surface or overhead for added versatility</li> </ul>	

**New!** Miller® TechLine Temporary Horizontal Rope Lifeline System Kits

A premium temporary horizontal rope lifeline (HLL) 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.

PREMIUM 2 WORKER KITS



**FEATURES**

- 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



HLLR2/30FT

SKU	Description	Kit Contents
<b>■ MILLER TECHLINE TEMPORARY HORIZONTAL ROPE LIFELINE SYSTEM KITS</b>		
<b>ANSI A10.32</b>		
HLLR2/30FT	30-ft. (9 m) Rope Temporary HLL System for <b>two workers</b>	11/16-in. (17.5 mm) kernmantle-style rope lifeline / Lifeline adjuster / Two (2) heavy-duty cross-arm anchorage straps / Shock absorber pack / Two (2) connecting O-rings / Waterproof bucket
HLLR2/60FT	60-ft. (18 m) Rope Temporary HLL System for <b>two workers</b>	11/16-in. (17.5 mm) kernmantle-style rope lifeline / Lifeline adjuster / Two (2) heavy-duty cross-arm anchorage straps / Shock absorber pack / Two (2) connecting O-rings / Waterproof bucket



# SMART SOLUTIONS

## FOR SAFETY AT HEIGHTS

**New!**

MILLER  
**Turbo**  
*Lite*™

PERSONAL FALL LIMITER

**COMPACT & LIGHTWEIGHT**  
**ONLY 1.9 lbs. (.86kg)**

- Never Need a Shock-Absorbing Lanyard Again
- 6-ft. Working Capacity
- Reduces Risk/Liability



**100%**  
**Tie-Off**

**New!** Miller Twin Turbo™  
Fall Protection System



100% tie-off at low fall clearances

**MILLER®**

by Honeywell

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

New 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 Miller Technical Service at 800/873-5242.

### ■ FEATURES

- **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
- **Accommodate 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



## Miller Vi-Go Continuous Ladder Climbing Systems with Automatic Pass-Through

### ■ FEATURES

- **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

### 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.



Integrated stainless steel shock-absorbing element



Easy, one-hand attachment



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

## Miller Vi-Go Ladder Climbing Systems with Manual Pass-Through

### ■ FEATURES

- **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



# Miller Vi-Go™ System Kits

## Miller Vi-Go System Kits with Automatic Pass-Through

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.



SKU	Length of System	Number of Cable Guides	SKU	Length of System	Number of Cable Guides
<b>MILLER VI-GO CONTINUOUS LADDER CLIMBING SAFETY SYSTEM KITS WITH AUTOMATIC PASS-THROUGH</b>					
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.



VGCS-SC/

### SKU Description

#### MILLER VI-GO AUTOMATIC PASS-THROUGH CABLE SLEEVE Sold Separately

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.



## Miller Vi-Go System Kits with Manual Pass-Through

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
<b>MILLER VI-GO CONTINUOUS LADDER CLIMBING SAFETY SYSTEM KITS WITH MANUAL PASS-THROUGH</b>					
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.



TRCS-C/

### SKU Description

#### MILLER VI-GO MANUAL PASS-THROUGH CABLE SLEEVE Sold Separately

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

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



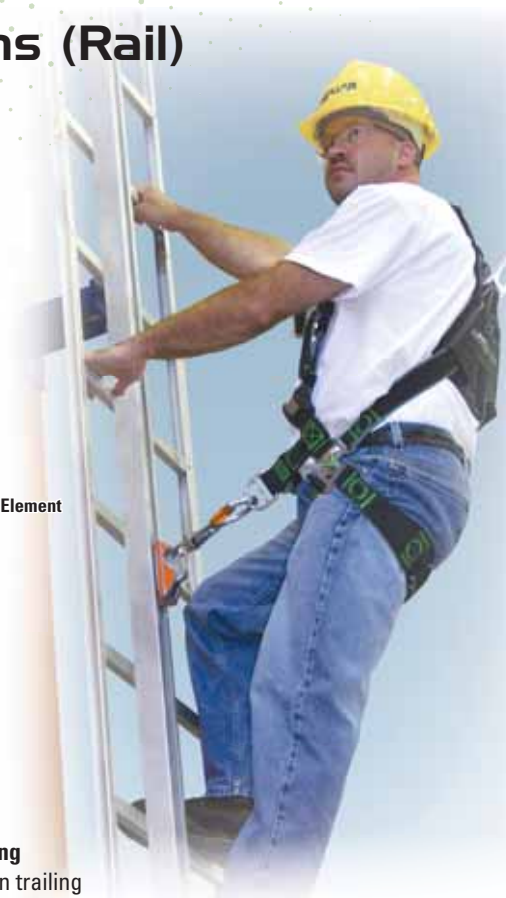
## Miller GlideLoc® Ladder Climbing Systems (Rail)

New **GlideLoc Ladder Climbing Systems** provide an innovative solution that is easy-to-use, requires minimal maintenance and provides superior safety. The easy-climb 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.

### ■ FEATURES

- 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



## Miller GlideLoc Fall Arresters

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

### ■ FEATURES

- **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

**Attaches at top or bottom of rail**

**Comfort GlideLoc Fall Arrester**

- 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

**Attaches anywhere on rail**

**Universal II GlideLoc Fall Arrester**

- 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

**Specially-designed for highly corrosive environments**

**Comfort II GlideLoc Fall Arrester**

- Applications that require stainless steel components with access to the ladder for entry/exit at the **top or bottom** of the rail
- Ideal for oil exploration, petrochemical, food processing, pharmaceutical, water supply, waste water, mining and coastal applications

## Miller GlideLoc System Kits

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

Kits come complete with GlideLoc rail, gated top end-stop, gated bottom 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 <td 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 Miller Technical Service at 800/873-5242.

Gated Top End-Stop

Rung Clamp\*\*\*

Vertical Rail

Aluminum, Galvanized or Stainless Steel

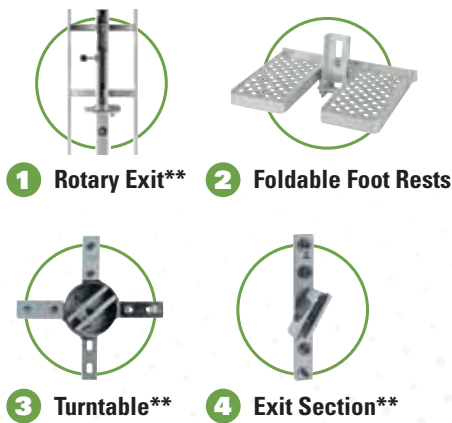
Fall Arrester

Comfort GlideLoc Fall Arrester shown

Rung Clamp\*\*\*

Gated Bottom End-Stop

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



GlideLoc offers a full range of system components designed to meet the needs of complex applications.

Contact Miller Engineered Solutions at 800/325-6746.

\*\* Not all components are compatible with kits. For complete list of compatible kit components, see "GlideLoc System Kit Components."

# Miller GlideLoc® Ladder Climbing Systems (Rail) (continued)

## Miller GlideLoc System Kit Components

SKU	Description	SKU	Description
<b>■ MILLER GLIDELOC SYSTEM KIT COMPONENTS</b>			
22697/	<b>Comfort GlideLoc Fall Arrester</b> – locks into the rail in the event of a fall. Stainless steel & aluminum construction.	10903/	<b>Rung Clamp</b> for diameters up to 1-in. (25 mm), galvanized
25805/	<b>Universal II GlideLoc Fall Arrester</b> – can be removed from the rail anywhere along the system enabling transfer onto platforms. Stainless steel & aluminum construction.	14804/	<b>Rung Clamp</b> for diameters 1-in. (25 mm) to 1-1/4-in. (32 mm), galvanized
23331/	<b>Comfort II GlideLoc Fall Arrester</b> – locks into the rail in the event of a fall. Stainless steel & aluminum construction.	14805/	<b>Rung Clamp</b> for diameters 1-1/4-in. (32 mm) to 1-3/4-in. (45 mm), galvanized
15729/	<b>Aluminum Vertical Rail</b> – length of 10-ft. 1-in. (3 m)	14809/	<b>Rung Clamp</b> for diameters up to 1-in. (25 mm), stainless steel
14622/	<b>Galvanized Vertical Rail</b> – length of 10-ft. 1-in. (3 m)	14813/	<b>Rung Clamp</b> for diameters 1-in. (25 mm) to 1-1/4-in. (32 mm), stainless steel
16852/	<b>Stainless Steel Vertical Rail</b> – length of 10-ft. 1-in. (3 m)	14814/	<b>Rung Clamp</b> for diameters 1-1/4-in. (32 mm) to 1-3/4-in. (45 mm), stainless steel
21050/	<b>Gated Top End-Stop</b> – for use with vertical rail. Allows for entering & exiting the system with GlideLoc fall arresters. Stainless steel construction.	19091/	<b>Side Mount Clamp</b> – enables mounting rail along the side of ladder. Galvanized steel construction.
21049/	<b>Gated Bottom End-Stop</b> – for use with vertical rail. Allows for entering & exiting the system with GlideLoc fall arresters. Stainless steel construction.	17065/	<b>Shaft Entering Device</b> – allows safe entry of a shaft such as a manhole. The prongs slip into coupling device (SKU 16191/). Stainless steel construction.
11634/	<b>Rigid End-Stop</b> – for use with vertical rail, prevents GlideLoc fall arresters from being removed from rail. Stainless steel construction.	16191/	<b>Shaft Entering Device Coupling</b> – is attached to the top of GlideLoc rail to allow use of shaft entering devices (SKU 17065/). Stainless steel construction.
		23724/	<b>Foldable Foot Rest</b> – provides a rest platform that conveniently folds out of the way when not in use. Galvanized steel construction.

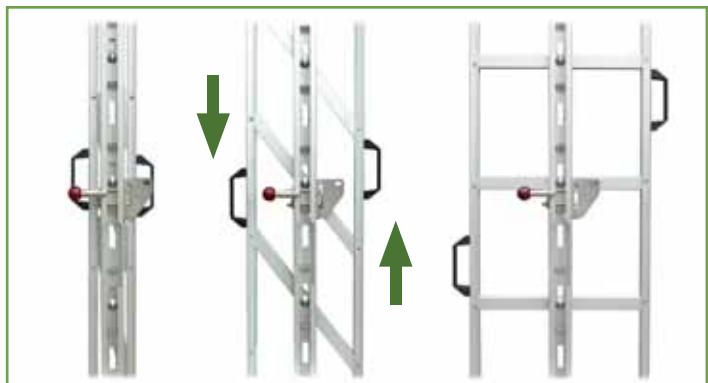
GlideLoc offers a full range of system components designed to meet the needs of complex applications. Contact Miller Engineered Solutions at 800/325-6746.

# Miller PivotLoc® Foldable Ladder System

PivotLoc is a foldable ladder system that incorporates the GlideLoc fixed rail ladder climbing technology. Uniquely designed to open and close, the PivotLoc system combines safety and security in ladder applications.

### ■ FEATURES

- Restricts access when folded closed, providing a slim, unobtrusive appearance; an effective alternative to a security cover plate
- Reliable fall protection solution for height access and work positioning
- Lightweight and easy to use; constructed of corrosion-resistant aluminum
- Complete with entry point, locking device and connection components



SKU	Description
<b>■ MILLER PIVOTLOC FOLDABLE LADDER SYSTEM</b>	
23281	PivotLoc w/coupling part for steel ladder 9.186-ft. (2.8 m)
23193	PivotLoc w/coupling part for aluminum ladder 9.186-ft. (2.8 m)

PivotLoc can be used in conjunction with Y-Spar and Twin Ladder Systems.



# SMART SOLUTIONS

## FOR SAFETY AT HEIGHTS

**New!**

MILLER

# SafEscape™

## ELITE

### Rescue/Descent Device

- Automatic, Controlled-Descent Device
- Meets All Applicable Safety Standards Globally
- No Annual Factory Recertification Required



Wind Energy Kit

Crane Rescue Kit

Available with  
Humidity-Resistant  
Storage Case



# MILLER®

by Honeywell

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CONNECTED**  
[www.millerfallprotection.com](http://www.millerfallprotection.com)

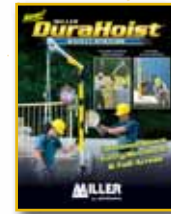
# Miller DuraHoist™ Portable Confined Space Systems

## Miller DuraHoist™ 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



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

**LIGHTWEIGHT,  
VERSATILE SYSTEM**



### ■ FEATURES

- 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.

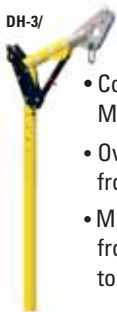
SKU	Description	Weight
<b>■ MILLER COMPLETE FOUR-PIECE HOIST/WINCH SYSTEMS</b>		
DH-1/	Four-Piece System with ManHandler hoist/winch w/65-ft. (20 m) of 3/16-in. (4.76 mm) galvanized steel cable	133.5 lbs. (60.6 kg)
DH-2/	Four-Piece System without ManHandler hoist/winch	91 lbs. (41.3 kg)

## Miller 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.

### ■ 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. (.30 m) to 29 in. (.74 m)



### ■ TWO-PIECE UPPER MAST

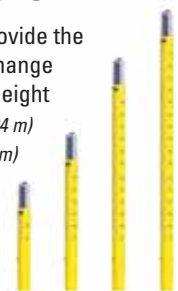
DH-21/



- 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)



SKU	Description	Weight
<b>■ MILLER ADJUSTABLE MAST OPTIONS</b>		
DH-3/	One-Piece Adjustable Mast	29 lbs. (13.2 kg)
DH-21/	12-in. (.30 m) to 29-in. (.74 m) Adjustable Offset Upper Mast	23 lbs. (10.4 kg)
DH-23	30-in. (.76 m) to 48-in. (1.22 m) Adjustable Offset Upper Mast	29 lbs. (13.2 kg)
DH-22/21	21-in. (.53 m) Lower Mast Extension	14 lbs. (6.4 kg)
DH-22/33	33-in. (.84 m) Lower Mast Extension	17 lbs. (7.7 kg)
DH-22/45	45-in. (1.14 m) Lower Mast Extension	20 lbs. (9.1 kg)
DH-22/57	57-in. (1.45 m) Lower Mast Extension	23 lbs. (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).



## Miller 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. (.74 m) offset

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



### Floor Mount Sleeve

Mounts to horizontal concrete or steel structures.

**DH-7ZP/** – Zinc-plated, mild steel

**DH-7SS/** – Stainless steel



### Barrel Mount Sleeve w/3.5-in. (.09 m) Opening

Eight independent clamping screws allow temporary installations over edges of shoring

cans, walls and other structures.

**DH-5/**



### 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. (.44 m) to 27.5 in. (.70 m).

**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. (.61 m).

**DH-6/**



### 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. (.10 m) diameter core hole in concrete

or in an existing steel structure.

**DH-9ZP/** – Zinc-plated, mild steel

**DH-9SS/** – Stainless steel



### Flush Floor Mount Sleeve

Eliminates the potential trip hazard presented by other floor mount sleeves. Installs into a

4-in. (.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. (.05 m) receiver on an attendant vehicle to provide a portable anchor point for

confined space entry/retrieval, rescue and fall arrest applications.

**DH-12/** – Maximum 29-in. (.74 m) offset

**DH-25** – Maximum 48-in. (1.22 m) offset


## Miller Accessories




SKU	Description	Weight
<b>MILLER DURAHOIST EQUIPMENT CARTS</b>		
<b>DH-18/</b>	Equipment Cart for DuraHoist Four-Piece Hoist System (DH-1/, DH-2/)	40 lbs. (18.1 kg)
<b>DH-18DC/</b>	Dust Cover for the DuraHoist Equipment Cart	2 lbs. (.91 kg)
<b>MILLER WHEEL KIT</b>		
<b>DH-4WK/</b>	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).

## 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 56 and 57 of this catalog.*



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

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.



**DH-19/**

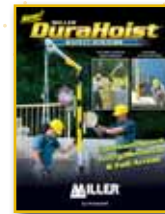
**DH-AB-MILLER/**

SKU	Description	Weight
<b>MILLER MOUNTING BRACKETS</b>		
<b>DH-19-MILLER/</b>	Complete Mounting Bracket Assembly	3.1 lbs. (1.4 kg)
<b>DH-19/</b>	Winch Mount Bracket	1.6 lbs. (.73 kg)
<b>DH-AB-MILLER/</b>	Adapter Bracket for Miller MightEvac SRL (Requires a DH-19/ Bracket)	1.5 lbs. (.68 kg)



# 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.



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

## FEATURES

- 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

Telescoping design allows overall height to be adjusted in three stages from 32.75 in. (.83 m) to 57.25 in. (1.45 m)



← **14-in. (.36 m) Extension Post**  
Provides option to tie-off one worker at an increased height of 68.5 in. (1.74 m)  
DH-AP-2/

← **Portable Fall Arrest Post**  
DH-AP-1/



SKU	Description	Weight
<b>MILLER DURAHOIST PORTABLE FALL ARREST POST &amp; EXTENSION POST</b>		
DH-AP-1/	Portable Fall Arrest Post	38 lbs. (17.2 kg)
DH-AP-2/	14-in. (.36 m) Extension Post	4.5 lbs. (2.0 kg)

# Miller Rescue/Material Handling Davit Arm



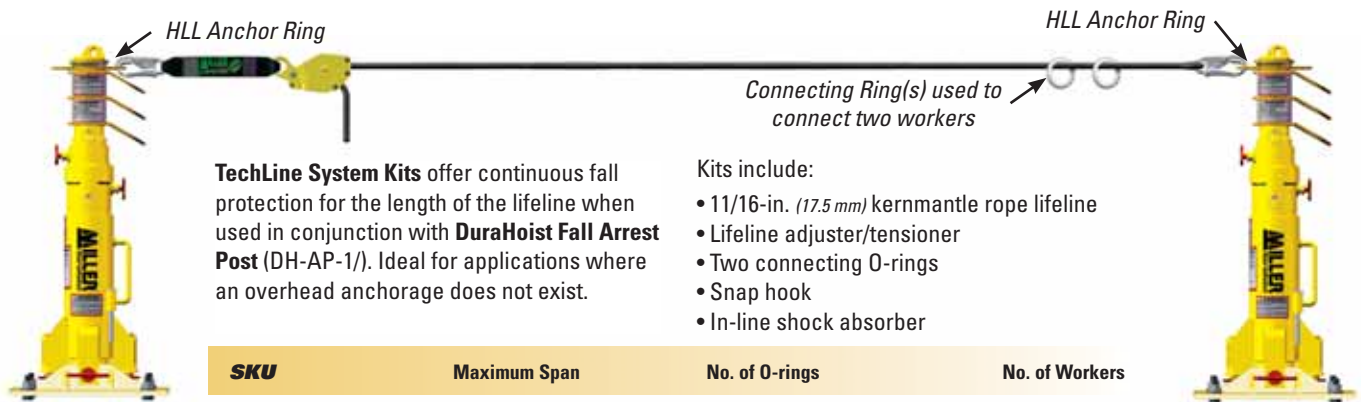
## FEATURES

- 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
<b>MILLER RESCUE/MATERIAL HANDLING DAVIT ARM</b>		
DH-AP-3/	Rescue/Material Handling Davit Arm	20.5 lbs. (9.3 kg)

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



**TechLine System Kits** offer continuous fall protection for the length of the lifeline when used in conjunction with **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
  - Lifeline adjuster/tensioner
  - Two connecting O-rings
  - Snap hook
  - In-line shock absorber

SKU	Maximum Span	No. of O-rings	No. of Workers
<b>■ MILLER TECHLINE TEMPORARY HORIZONTAL LIFELINE (HLL) SYSTEM KITS</b>			
HLLR2-L/30FT	30 ft. (9 m)	2	2 workers
HLLR2-L/60FT	60 ft. (18 m)	2	2 workers

## Miller 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/

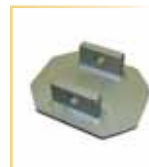
### ■ FIXED ANCHOR PLATES

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 56 and 57 in this catalog.



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



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



**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/



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

# Miller MightEvac® 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.

**NO ANNUAL FACTORY RECERTIFICATION REQUIRED**

## FEATURES

- No annual factory recertification required\*
- 20% lighter than competitive models
- Promotes quick and easy rescue with a 4:1 mechanical advantage (average speed of 25-ft. [8 m] per minute)
- – 310-lbs. (140.6 kg) working capacity
- – 400-lbs. (181.4 kg) working capacity when used with SofStop shock absorber pack (928LS/181NYL)
- For emergency evacuation only
- Corrosion-resistant stainless steel/aluminum components
- Convenient, heavy-duty carrying handle
- Available in galvanized or stainless steel wire rope and Kevlar rope in lengths of 50-ft. (15 m), 100-ft. (30 m) and 130-ft. (40 m). Kevlar rope models in lengths of 40-ft. (12 m) MR40K/40FT, and 80-ft. (24 m) MR80K/80FT.



MR100GB-Z7/100FT

MR50GCM-Z7/50FT



\*Does not apply to Canada due to CSA Z259.2.2-98 requirements. Must be inspected by a Miller authorized service center if involved in a fall or if fails user visual or function inspection.

SKU	Description	Weight
<b>MILLER MIGHTEVAC SELF-RETRACTING LIFELINES W/EMERGENCY RETRIEVAL HOIST</b>		
<b>ANSI Z359</b>		
MR50GB-Z7/50FT	MightEvac w/50-ft. (15 m) of 3/16-in. (4.8 mm) galvanized wire rope w/mounting bracket & pulley	39 lbs. (18 kg)
MR100GB-Z7/100FT	MightEvac w/100-ft. (30 m) of 3/16-in. (4.8 mm) galvanized wire rope w/mounting bracket & pulley	59 lbs. (27 kg)
MR130GB-Z7/130FT	MightEvac w/130-ft. (40 m) of 3/16-in. (4.8 mm) galvanized wire rope w/mounting bracket & pulley	64 lbs. (29 kg)
<b>ANSI A10.32</b>		
MR50GB/50FT	MightEvac w/50-ft. (15 m) of 3/16-in. (4.8 mm) galvanized wire rope w/mounting bracket & pulley	39 lbs. (18 kg)
MR50SB/50FT	MightEvac w/50-ft. (15 m) of 3/16-in. (4.8 mm) stainless steel cable w/mounting bracket & pulley	39 lbs. (18 kg)
MR100GB/100FT	MightEvac w/100-ft. (30 m) of 3/16-in. (4.8 mm) galvanized wire rope w/mounting bracket & pulley	59 lbs. (27 kg)
MR100SB/100FT	MightEvac w/100-ft. (30 m) of 3/16-in. (4.8 mm) stainless steel cable w/mounting bracket & pulley	59 lbs. (27 kg)
MR130GB/130FT	MightEvac w/130-ft. (40 m) of 3/16-in. (4.8 mm) galvanized wire rope w/mounting bracket & pulley	64 lbs. (29 kg)
MR130SB/130FT	MightEvac w/130-ft. (40 m) of 3/16-in. (4.8 mm) stainless steel cable w/mounting bracket & pulley	64 lbs. (29 kg)

## Miller Complete Confined Space Entry and Rescue Systems

SKU	Description
<b>MILLER COMPLETE CONFINED SPACE SYSTEMS*</b>	
<b>ANSI Z359</b>	
MR50GC-Z7/50FT	MightEvac w/50-ft. (15 m) of 3/16-in. (4.8 mm) galvanized wire rope / 7-ft. (2 m) tripod / mounting bracket
MR50GCM-Z7/50FT	MightEvac w/50-ft. (15 m) of 3/16-in. (4.8 mm) galvanized wire rope / ManHandler Hoist w/65-ft. (20 m) of 3/16-in. (4.8 mm) galvanized wire rope / 7-ft. (2 m) tripod / mounting bracket
MR100GC-Z7/100FT	MightEvac w/100-ft. (30 m) of 3/16-in. (4.8 mm) galvanized wire rope / 7-ft. (2 m) tripod / mounting bracket
MR130GC-Z7/130FT	MightEvac w/130-ft. (40 m) of 3/16-in. (4.8 mm) galvanized wire rope / 7-ft. (2 m) tripod / mounting bracket
<b>ANSI A10.32</b>	
MR50GC/50FT	MightEvac w/50-ft. (15 m) of 3/16-in. (4.8 mm) galvanized wire rope / 7-ft. (2 m) tripod / mounting bracket
MR50GCM/50FT	MightEvac w/50-ft. (15 m) of 3/16-in. (4.8 mm) galvanized wire rope / ManHandler Hoist w/65-ft. (20 m) of 3/16-in. (4.8 mm) galvanized wire rope / 7-ft. (2 m) tripod / mounting bracket
MR50GX/50FT	MightEvac w/50-ft. (15 m) of 3/16-in. (4.8 mm) galvanized wire rope / 9-ft. (2.7 m) tripod / mounting bracket
MR50GXM/50FT	MightEvac w/50-ft. (15 m) of 3/16-in. (4.8 mm) galvanized wire rope / ManHandler Hoist w/65-ft. (20 m) of 3/16-in. (4.8 mm) galvanized wire rope / 9-ft. (2.7 m) tripod / mounting bracket
MR100GC/100FT	MightEvac w/100-ft. (30 m) of 3/16-in. (4.8 mm) galvanized wire rope / 7-ft. (2 m) tripod / mounting bracket
MR100GX/100FT	MightEvac w/100-ft. (30 m) of 3/16-in. (4.8 mm) galvanized wire rope / 9-ft. (2.7 m) tripod / mounting bracket
MR130GC/130FT	MightEvac w/130-ft. (40 m) of 3/16-in. (4.8 mm) galvanized wire rope / 7-ft. (2 m) tripod / mounting bracket
MR130GX/130FT	MightEvac w/130-ft. (40 m) of 3/16-in. (4.8 mm) galvanized wire rope / 9-ft. (2.7 m) tripod / mounting bracket

\*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.



# Miller ManHandler® Hoist/Winch

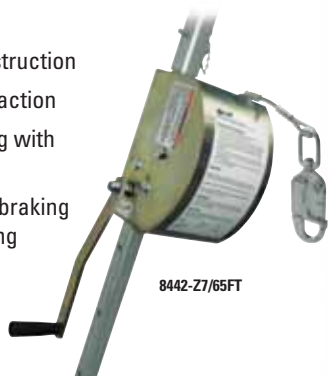
The **Miller ManHandler Hoist/Winch** is the perfect solution for a range of applications including confined space entry, rescue, positioning and personnel/material handling.

A secondary fall arrest system is recommended for fall protection.

**FOR DAILY PERSONNEL/MATERIAL HANDLING ACTIVITIES**

## FEATURES

- 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
<b>MILLER MANHANDLER HOIST/WINCH</b>	
<b>ANSI Z359</b>	
8442-Z7/65FT	ManHandler Hoist w/65-ft. (20 m) of 3/16-in. (4.8 mm) galvanized wire rope
8442GC-Z7/65FT	ManHandler Hoist w/65-ft. (20 m) of 3/16-in. (4.8 mm) galvanized wire rope & 7-ft. (2 m) tripod
8442-Z7/100FT	ManHandler Hoist w/100-ft. (30 m) of 3/16-in. (4.8 mm) galvanized wire rope
<b>ANSI A10.32</b>	
8442/65FT*	ManHandler Hoist w/65-ft. (20 m) of 3/16-in. (4.8 mm) galvanized wire rope
8442/100FT*	ManHandler Hoist w/100-ft. (30 m) of 3/16-in. (4.8 mm) galvanized wire rope
<b>MATERIAL WINCHES</b>	
8440/60FTBR*	Material Winch w/60-ft. (18 m) of 3/16-in. (4.8 mm) galvanized wire rope
8441/88FT*	Material Winch w/88-ft. (27 m) of 3/16-in. (4.8 mm) galvanized wire rope

\*Also available with stainless steel wire rope by adding "SS" after the model number (Ex: 8442SS/65FT).

# Miller Tripod

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

## FEATURES

- 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
<b>MILLER TRIPOD</b>	
51/7FT	7-ft. (2 m) high-strength aluminum Tripod
51X/9FT	9-ft. (2.7 m) high-strength aluminum Tripod

# New! 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.

## FEATURES

- 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



## Miller SafEscape ELITE RDD Kits

SKU	Description
<b>MILLER SAFESCAPE ELITE RDD KITS</b>	
SECRKT/75FT*	<b>Crane Rescue Kit</b> – Kit includes Miller SafEscape ELITE RDD, rescue harness, cross-arm strap, retrieval yoke & rescue bag
SEWPKT/75FT*	<b>Wind Energy Kit</b> – 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*	<b>Wind Energy Kit with Humidity-Resistant Storage Case</b> – 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.



SEWPKTC/75FT



## Miller SafEscape ELITE RDD Basic Models

SKU	Description
<b>MILLER SAFESCAPE ELITE RDD BASIC MODELS</b>	
SE/75FT*	<b>Miller SafEscape ELITE RDD</b> – Also includes anchor slings & rescue bag
SEHW/75FT*	<b>Miller SafEscape ELITE RDD w/Hoisting Wheel</b> – Also includes anchor slings & rescue bag
SEHWLB/75FT*	<b>Miller SafEscape ELITE RDD w/Hoisting Wheel &amp; Ladder Bracket</b> – 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.



SEHWLB/75FT

## Miller SafEscape ELITE RDD Accessories

SKU	Description	SKU	Description
<b>MILLER SAFESCAPE ELITE RDD ACCESSORIES</b>			
SE-LB/	Ladder Bracket & Adapter	000127/200FTRD	Miller SafEscape Rescue Bag fits 50-ft. to 200-ft. (15 m to 61 m) lifeline
SE-AS/4.0FT	Anchor Sling, 4 ft. (1 m)	000127/250FTRD	Miller SafEscape Rescue Bag fits 225-ft. to 250-ft. (69 m to 76 m) lifeline
SE-AS/2.5FT	Anchor Sling, 2.5 ft. (.8 m)	000127/300FTRD	Miller SafEscape Rescue Bag fits 275-ft. to 300-ft. (84 m to 91 m) lifeline
SE-ARA/	Adjustable Rope Anchor	17D-1/	1-in. (25 mm) Carabiner
SE-RG/	Rescue Rope Grab	847H/YL	Accessory Bag
SE-EP/	Edge Protector	000109/URB	Rescue Harness
SE-TB/	T-bar	8185/6FTGN	Looped Cross-Arm Strap Anchorage Connector
SE-P/	Pulley, Aluminum	6490RYLS/5FT	Retrieval Yoke
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		

## 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.

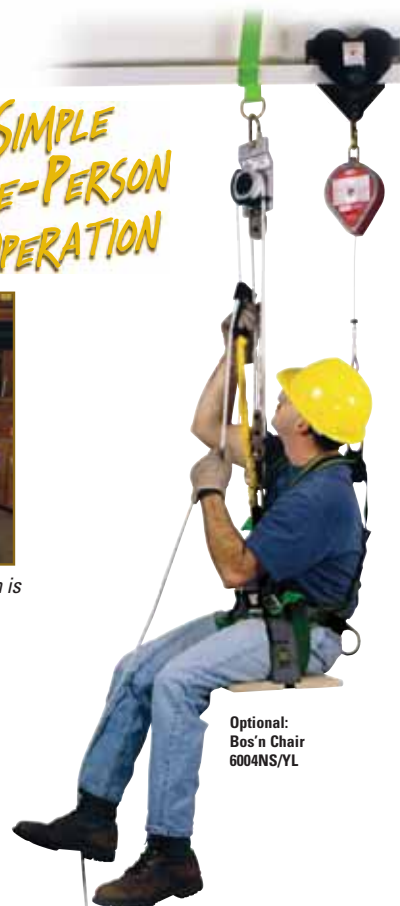
### FEATURES

- 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 with permanently attached Manyard shock-absorbing lanyard
- Two carabiners
- Convenient carrying bag



A secondary fall arrest system is recommended

**SIMPLE ONE-PERSON OPERATION**



Optional: Bos'n Chair 6004NS/YL

SKU	Description
<b>MILLER UNIVERSAL RESCUE SYSTEM (SERIES 70)</b>	
<b>ANSI Z359</b>	
70-100/100FT*	Series 70 System w/25-ft. (7.6 m) working length
70-200/200FT*	Series 70 System w/50-ft. (15 m) working length
70-400/400FT*	Series 70 System w/100-ft. (30 m) working length
70-500/500FT*	Series 70 System w/125-ft. (38 m) working length
70-C/	Rope control handle w/attached Miller lanyard
70-500/500FT*	Series 70 System w/125-ft. (38 m) working length
6004NS/YL	Bos'n Chair

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

## Miller Manual Descent Device



Optional: 6004NS/YL Bos'n Chair

The **Miller Manual Descent 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 be ordered with Miller brand descent rope.

**SMOOTH, CONTROLLED DESCENT FROM AN ELEVATED POSITION**

SKU	Description
<b>MILLER MANUAL DESCENT DEVICE</b>	
8113/*	Descent Device Unit
8195/50FTWH**	Polyester-braided descent rope
6004NS/YL	Bos'n Chair

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

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

## 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
<b>MILLER RESCUE LADDER</b>	
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





## Miller Fall Prevention and Protection Training

Training is an integral component of a safety at height program. Miller Fall Prevention and Protection Training offers a complete line of custom and prescheduled open enrollment training courses with easy online registration.

### ■ FEATURES

- Field-experienced professional instructors
- Live demonstrations and hands-on training
- 40-ft. (12 m) indoor tower, indoor confined space area, three levels of catwalks and wind energy nacelle simulator for training
- Addresses site-specific variables and performance requirements of fall prevention and protection
- Learn proper fall protection techniques and procedures for working at height
- Gain access to online fall protection training at your convenience and time schedule
- Receive a Certificate of Completion confirming course participation
- All training courses can be held at your facility and address your specific safety needs



## Miller Open Enrollment Training

Open enrollment courses are conducted throughout the year in select cities in North America with primary focus on the two-day Competent Person Training program created for facility and site supervisors that must serve as the competent person as required by OSHA 1926.32(f), 1926.500 and 1910 standards.

For a complete list of the Miller Open Enrollment courses, dates and locations, visit [www.millerfallprotection.com/training](http://www.millerfallprotection.com/training).



**New!** Nacelle Simulator



Discount Packages Available

**Register  
Online!**

[www.millerfallprotection.com/training](http://www.millerfallprotection.com/training)





**TRAINING AVAILABLE IN SPANISH**  
Online • Open Enrollment • On-site

## Miller Safety at Height Training Courses\*

### Competent Person Training

Courses are designed to train individuals with the required skills for the specific course objectives. Competent Person follows OSHA regulations.

### Fall Protection Equipment Inspection

Designed for a tool crib worker that needs to inspect the equipment prior to issuing to the users, but does not have the level of responsibility of a competent person.

### Tower Climber

Training for those working on or supervising individuals who work on towers.

### Wind Energy

Wind Energy Competent Climber or Wind Energy Basic Height Safety courses fulfill the basic work at height training requirements.

### Confined Space<sup>1</sup>

Courses are offered for Confined Space Entry, Confined Space Rescue and Confined Space Train the Trainer.

### Rescue Training<sup>1</sup>

Basic Fall Protection Rescue or High-Access Rescue Training designed for all personnel who work at height.

### OSHA Training

OSHA 10-Hour Construction, OSHA 10-Hour General Industry, OSHA 30-Hour Construction and OSHA 30-Hour General Industry courses meet OSHA requirements.

### Training Facilitators

For individuals responsible for providing fall protection training.

**\* For a complete list of Miller Safety at Height Training courses, visit [www.millerfallprotection.com/training](http://www.millerfallprotection.com/training).**

### Hazardous Material

Hazardous Communication and Hazwoper courses for individuals working with hazardous materials or substances in the workplace.

### Scaffolding Safety

Courses are offered for Scaffolding Competent Person and Scaffolding Train the Trainer.

### Ladder Safety

Designed to instruct employees on the proper and safe use of ladders in the workplace.

### Fall Protection Orientation

Courses provide an overview of fall hazards and basic skills related to proper use of fall protection equipment. Also available online in English or Spanish.

## Miller Online Training Courses

Certified Safety at Height Training  
[millerfallprotection.com/training](http://millerfallprotection.com/training)

- Orientation I Training (1-Hour Course)
- Orientation II Training (70-Minute Course)



<sup>1</sup>Some courses have prerequisite course training.

BODY WEAR  
CONNECTING DEVICES  
ANCHORAGE CONNECTORS  
HORIZONTAL LIFELINE SYSTEMS  
CLIMBING & FALL RESTRAINT  
CONFINED SPACE & RESCUE/DESCENT  
FALL PREVENTION & PROTECTION TRAINING  
ENGINEERED SOLUTIONS  
TITAN PRODUCTS  
UTILITY INDUSTRY  
WIND ENERGY INDUSTRY

## Miller Engineered Solutions

For over 20 years, **Miller Engineered Solutions** has been providing design and installation services for safety at height applications. While addressing the challenges defined by unique structures or extreme environmental conditions, Miller Engineered Solutions' priority has always been ensuring worker safety in addition to offering other added-value benefits – significantly reducing on-site safety risks; maintaining or lowering insurance premiums; reducing worker compensation claims associated with height safety incidents; and, meeting regulatory compliance.

*DESIGN AND INSTALLATION OF  
CUSTOM-ENGINEERED SAFETY SOLUTIONS*

### ■ FEATURES

- Site Survey and Hazard Analysis – including written and photo documentation
- Network of engineers and qualified installers servicing North America
- Follow-up testing, training, annual inspection and certification



***New!***

**Installation services are now available for several Miller Fall Arrest Systems and Kits:**

- SkyGrip Temporary Horizontal Lifeline Systems & Kits
- Miller DuraHoist Safety & Confined Space Systems
- Xenon Permanent Horizontal Cable Lifeline Systems & Kits
- GlideLoc Permanent Ladder Climbing Systems & Kits (Rail)
- Vi-Go Permanent Ladder Climbing Systems & Kits (Cable)

**Contact Miller Engineered Solutions for details  
Toll Free: 800/325-6746 or 814/432-2118**





# Having trouble finding solutions to safety at height hazards?

Our team of experienced engineers and safety at height professionals are trained to work with you to identify all options available to solve your safety at height hazards, and ultimately recommend the best solution to meet your long-term safety needs.

Contact Miller Engineered Solutions for details  
Toll Free: 800/325-6746 or 814/432-2118



## SAFETY AT HEIGHT APPLICATIONS:

- Utilities
- Wind Energy
- Elevated Machinery, Stations or Decks
- Roof Access/Perimeters
- Window Washing
- Sloped Roof Surfaces
- Building Ledges/Beams
- Power Plants & Paper Mills
- Aircraft Hangars
- Communication Towers
- Elevated Railcars & Trucks
- Bridge Inspection
- Wastewater Treatment
- Pipe Racks
- Amusement Parks
- Sports Arenas/Stadiums
- Fixed Roof Anchors



# Titan T-Flex™ Stretchable Harnesses

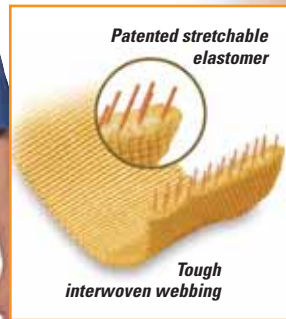
Titan T-FLEX Stretchable Harnesses have a durable, stretch webbing construction for improved comfort and greater mobility.

*SPECIALLY DESIGNED  
STRETCHABLE  
WEBBING FOR  
GREATER COMFORT*

- Competitively-priced harness with comfort-stretch webbing
- Fully adjustable design for maximum comfort
- Non-slip mating buckle chest strap promotes proper fit
- Leg strap webbing in a contrasting color for ease of donning
- Back strap increases safety by preventing roll out in the event of a fall
- Sliding back D-ring and pad ensure correct back D-ring positioning
- Pull-free lanyard rings for added convenience
- Rated to 400-lbs. (181.4 kg) capacity



TF4507/UAK



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>■ TITAN T-FLEX STRETCHABLE HARNESSSES</b>									
TF4000/UAK	U	Yes	Option	No	Mating	Mating	Mating	Yes	Pull-free lanyard rings
TF4500/UAK	U	Yes	Option	No	Mating	Mating	Tongue	Yes	Pull-free lanyard rings
TF4007/UAK	U	Yes	Option	Yes	Mating	Mating	Mating	Yes	Pull-free lanyard rings
TF4507/UAK	U	Yes	Option	Yes	Mating	Mating	Tongue	Yes	Pull-free lanyard rings
TF4577/UAK	U	Yes	Option	Yes	Mating	Mating	Tongue	Yes	Pull-free lanyard rings / Back pad / Removable tool belt / 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: TF4000/XXLAK). For front D-ring vest-style option, add "FD" to the suffix of the corresponding harness SKU number (Ex: TF4000FD/UAK).

# Titan™ Non-Stretch Harnesses

- Fully adjustable designs
- Rated to 400-lbs. (181.4 kg) capacity
- Sliding back D-ring
- Two (2) pull-free lanyard rings
- Trilingual labeling and instructions
- Contractor harnesses also feature a removable tool belt and back pad with side D-rings for positioning

*Prevent  
Suspension Trauma!  
(See pg. 18 for details)*



T4000/UAK

SKU	Size	Side D-Rings	Shoulder Strap Buckles	Chest Strap Buckle	Leg Strap Buckles
<b>■ TITAN NON-STRETCH HARNESSSES</b>					
T4000/UAK	U	No	Mating	Mating	Mating
T4007/UAK	U	Yes	Mating	Mating	Mating
T4500/UAK	U	No	Mating	Mating	Tongue
T4507/UAK	U	Yes	Mating	Mating	Tongue
<b>■ TITAN CONTRACTOR NON-STRETCH HARNESSSES</b>					
T4078/UAK	U	Yes	Mating	Mating	Mating
T4577/UAK	U	Yes	Mating	Mating	Tongue

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: T4000/XXLAK).



# Titan™ 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.

## ■ Titan Restraint Lanyards

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

Prevent Suspension Trauma!  
(See pg. 18 for details)



TK4051/U/6FTAK

SKU	Size	Description
<b>■ TITAN HARNESS/SHOCK-ABSORBING LANYARD COMBOS</b>		
TK4051/U/6FTAK	U	<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 (T5111/6FTAF)</li> </ul>
TK4052/U/6FTAK	U	<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 (T5112/6FTAF)</li> </ul>
TK4053/U/6FTAK	U	<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/small locking rebar hook (T5113/6FTAF)</li> </ul>
TK4054/U/6FTAK	U	<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 (T5122/6FTAF)</li> </ul>
TK4061/U/6FTAK	U	<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 (T6111/6FTAF)</li> </ul>
TK4551/U/6FTAK	U	<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 (T5111/6FTAF)</li> </ul>
TK4751/U/6FTAK	U	<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 (T5111/6FTAF)</li> </ul>
<b>■ TITAN HARNESS/RESTRAINT LANYARD COMBOS</b>		
TK4091W/U/6FTAK	U	<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/6FTAF)</li> </ul>
TK4091W/U/4FTAK	U	<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/4FTAF)</li> </ul>
TK4093W/U/6FTAK	U	<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/small locking rebar hook for restraint only (T9113W/6FTAF)</li> </ul>
TK4791/U/6FTAK	U	<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/6FTAF)</li> </ul>

Small locking rebar hook – 1-3/4-in. (44 mm) gate opening. 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).





# Titan™ Fall Protection Kits

## ■ Titan Construction and General Maintenance Fall Protection Kits



SKU	Size	Description
TCK4000/U/6FTAK	U	<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 (T5111/6FTAF)</li> <li>6-ft. (1.8 m) cross-arm strap (T7314/6FTAF)</li> </ul>
TCK4500/U/6FTAK	U	<ul style="list-style-type: none"> <li>Full-body harness w/tongue buckle leg straps (T4500/UAK)</li> <li>6-ft. (1.8 m) tubular shock-absorbing lanyard (T5111/6FTAF)</li> <li>6-ft. (1.8 m) cross-arm strap (T7314/6FTAF)</li> </ul>
TCK4007/U/6FTAK	U	<ul style="list-style-type: none"> <li>Full-body harness w/mating buckle leg straps &amp; side D-rings (T4007/UAK)</li> <li>6-ft. (1.8 m) tubular shock-absorbing lanyard (T5111/6FTAF)</li> <li>6-ft. (1.8 m) cross-arm strap (T7314/6FTAF)</li> </ul>
TCK4507/U/6FTAK	U	<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 (T5111/6FTAF)</li> <li>6-ft. (1.8 m) cross-arm strap (T7314/6FTAF)</li> </ul>



## ■ Titan Scaffolding Fall Protection Kits



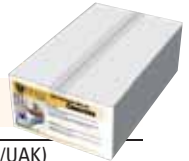
SKU	Size	Description
TSK4000/U/6FTAK	U	<ul style="list-style-type: none"> <li>Full-body harness w/mating buckle leg straps (T4000/UAK)</li> <li>6-ft. (1.8 m) tubular shock-absorbing lanyard w/locking rebar hook (T5112/6FTAF)</li> </ul>
TSK4500/U/6FTAK	U	<ul style="list-style-type: none"> <li>Full-body harness w/tongue buckle leg straps (T4500/UAK)</li> <li>6-ft. (1.8 m) tubular shock-absorbing lanyard w/locking rebar hook (T5112/6FTAF)</li> </ul>
TSK4007/U/6FTAK	U	<ul style="list-style-type: none"> <li>Full-body harness w/mating buckle leg straps &amp; side D-rings (T4007/UAK)</li> <li>6-ft. (1.8 m) tubular shock-absorbing lanyard w/locking rebar hook (T5112/6FTAF)</li> </ul>
TSK4507/U/6FTAK	U	<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 w/locking rebar hook (T5112/6FTAF)</li> </ul>



## ■ Titan Concrete Fall Protection Kits



SKU	Size	Description
TCRK4007/UAK	U	<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/)</li> <li>6-ft. (1.8 m) tubular shock-absorbing lanyard w/locking rebar hook (T5112/6FTAF)</li> </ul>
TCRK4507/UAK	U	<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/)</li> <li>6-ft. (1.8 m) tubular shock-absorbing lanyard w/locking rebar hook (T5112/6FTAF)</li> </ul>



## ■ Titan Roofing Fall Protection Kits



SKU	Size	Description
TRK4000/25FTAKU	U	<ul style="list-style-type: none"> <li>Full-body harness w/mating buckle leg straps (T4000/UAK)</li> <li>3-ft. (0.9 m) pack-type, shock-absorbing lanyard (T6111/3FTAF)</li> <li>5/8-in. (16 mm) trailing rope grab (8173/U)</li> <li>Reusable roof anchor w/attachment D-ring</li> <li>25-ft. (7.6 m) rope lifeline (300L/25FTBL)</li> </ul>
TRK4000/50FTAKU	U	<ul style="list-style-type: none"> <li>Full-body harness w/mating buckle leg straps (T4000/UAK)</li> <li>3-ft. (0.9 m) pack-type, shock-absorbing lanyard (T6111/3FTAF)</li> <li>5/8-in. (16 mm) trailing rope grab (8173/U)</li> <li>Reusable roof anchor w/attachment D-ring</li> <li>50-ft. (15 m) rope lifeline (300L/50FTBL)</li> </ul>
TRK4500/25FTAKU	U	<ul style="list-style-type: none"> <li>Full-body harness w/tongue buckle leg straps (T4500/UAK)</li> <li>3-ft. (0.9 m) pack-type, shock-absorbing lanyard (T6111/3FTAF)</li> <li>5/8-in. (16 mm) trailing rope grab (8173/U)</li> <li>Reusable roof anchor w/attachment D-ring</li> <li>25-ft. (7.6 m) rope lifeline (300L/25FTBL)</li> </ul>
TRK4500/50FTAKU	U	<ul style="list-style-type: none"> <li>Full-body harness w/tongue buckle leg straps (T4500/UAK)</li> <li>3-ft. (0.9 m) pack-type, shock-absorbing lanyard (T6111/3FTAF)</li> <li>5/8-in. (16 mm) trailing rope grab (8173/U)</li> <li>Reusable roof anchor w/attachment D-ring</li> <li>50-ft. (15 m) rope lifeline (300L/50FTBL)</li> </ul>



Note: To purchase in Canada replace the U in the SKU number with C

## Titan Aerial Lift Fall Protection Kits



SKU	Size	Description
TK4051B/U/6FTAK	U	<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 (T5111/6FTAF)</li> <li>Water-resistant storage bag w/rail attachment loops</li> </ul>
TK4052B/U/6FTAK	U	<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 (T5112/6FTAF)</li> <li>Water-resistant storage bag w/rail attachment loops</li> </ul>
TK4551B/U/6FTAK	U	<ul style="list-style-type: none"> <li>Full-body harness w/tongue buckle leg straps (T4500/UAK)</li> <li>6-ft. (1.8 m) tubular shock-absorbing lanyard (T5111/6FTAF)</li> <li>Water-resistant storage bag w/rail attachment loops</li> </ul>



## Titan ReadyWorker™ Fall Protection Kits

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



SKU	TITAN HARNESS					6-Ft. (1.8 m) Tubular Shock-Absorbing Lanyard (T5111/6FTAF)	6-Ft. (1.8 m) Cross-Arm Strap (T7314/6FTAF)	Waterproof Bucket
	Harness	Back D-Ring	Back Strap & Pull-Free Lanyard Rings	Side D-Rings	Leg Strap Buckles			
<b>■ TITAN READYWORKER FALL PROTECTION KITS</b>								
TFPK-1/U/6FTAK	T4000/UAK	Yes	Yes	No	Mating	Yes	No	Yes
TFPK-2/U/6FTAK	T4500/UAK	Yes	Yes	No	Tongue	Yes	No	Yes
TFPK-3/U/6FTAK	T4507/UAK	Yes	Yes	Yes	Tongue	Yes	No	Yes
TFPK-4/U/6FTAK	T4000/UAK	Yes	Yes	No	Mating	Yes	Yes	Yes
TFPK-5/U/6FTAK	T4500/UAK	Yes	Yes	No	Tongue	Yes	Yes	Yes
TFPK-6/U/6FTAK	T4507/UAK	Yes	Yes	Yes	Tongue	Yes	Yes	Yes

Kits can also be purchased in bulk packs (48 units). Contact Miller Technical Service for details.

## Titan 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 (RA15-1/)

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

### Compact Trailing Rope Grab (8173/U)

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

### Shock-Absorbing Lanyard (T6111/3FTAF)

- 3-ft. (.9 m) polyester web lanyard with integral shock absorber and two locking snap hooks

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

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

### Waterproof Container

- Ideal for equipment storage



SKU	Description
<b>■ TITAN READYROOFER SYSTEM KITS</b>	
BRFK25/25FT	ReadyRoofer Kit w/25-ft. (7.6 m) rope lifeline
BRFK50/50FT	ReadyRoofer Kit w/50-ft. (15 m) rope lifeline
BRFK75/75FT	ReadyRoofer Kit w/75-ft. (23 m) rope lifeline
BRFK100/100FT	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: BRFKT50/50FT).



# New! Titan™ B-Compliant Roof Kits

The new Titan B-Compliant™ Roof Kits provide a complete fall protection solution for roofing applications. The kits simplify product selection by providing all of the components necessary for fall protection safety and to meet federal OSHA compliance.

CONTAINS ALL COMPONENTS  
NECESSARY TO MEET FEDERAL  
OSHA COMPLIANCE

## ■ KIT CONTAINS

- Lightweight, full-body harness
- Rope grab with permanently-attached 3-ft. (.9 m) lanyard with shock-absorber pack
- High-strength, 5/8-in. (16 mm) diameter polyester/polypropylene rope lifeline with locking snap hook
- Reusable stainless steel roof anchor bracket with plated D-ring
- Waterproof storage container



TRK2000/25FT

**SKU**

**Description**

**Weight**

■ **TITAN B-COMPLIANT ROOF KITS**

TRK2000/25FT	B-Compliant Roof Kit w/25-ft. (.76 m) lifeline	11 lbs. (5.0 kg)
TRK2000/50FT	B-Compliant Roof Kit w/50-ft. (15.2 m) lifeline	14.25 lbs. (6.5 kg)

# Titan™ WebLine Temporary Horizontal Web Lifeline System Kits

## ■ FEATURES

- 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

COMPETITIVELY  
PRICED KITS



THLLW2/30FT

**SKU**

**Description**

**Kit Contents**

■ **TITAN WEBLINE TEMPORARY HORIZONTAL WEB LIFELINE SYSTEM KITS**

**ANSI A10.32**

THLLW2/30FT	30-ft. (.9 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
THLLW2/60FT	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

# Titan™ Body Belts



T3010



T3020



T3310



T3320

**SKU**

**Description**

■ **TITAN BODY BELTS**

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

**Body Belt Sizing**

When ordering, indicate size by using the following suffixes:

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

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



# 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.

## FEATURES

- 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
<b>TITAN TIE-BACK LANYARDS WITH PACK-TYPE SHOCK ABSORBERS</b>						
<b>ANSI A10.32</b>						
T6111TB/6FTAF	Webbing	One	Locking snap hook	Auto-lock carabiner	6-ft. (1.8 m)	Forged sliding D-ring
T6121TB/6FTAF	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.

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

## FEATURES

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



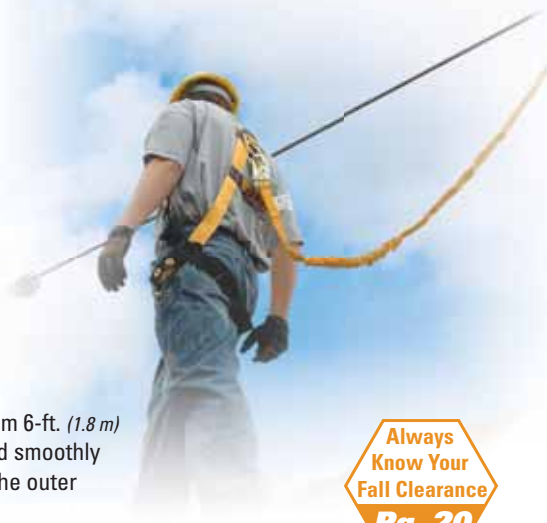
T5112/6FTAF



T5111SS/6FTAF

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 Built-In 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.



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SKU	Material	Number of Legs	Harness Connection	Anchorage Connection	Standard Length*
<b>TITAN TUBULAR SHOCK-ABSORBING LANYARDS</b>					
<b>ANSI A10.32</b>					
T5011/6FTAF	Webbing	One	Choke-off loop	Locking snap hook	6-ft. (1.8 m)
T5111/6FTAF	Webbing	One	Locking snap hook	Locking snap hook	6-ft. (1.8 m)
T5112/6FTAF	Webbing	One	Locking snap hook	Large locking rebar hook	6-ft. (1.8 m)
T5113/6FTAF	Webbing	One	Locking snap hook	Small locking rebar hook	6-ft. (1.8 m)
T5121/6FTAF	Webbing	Two	Locking snap hook	Locking snap hooks	6-ft. (1.8 m)
T5122/6FTAF	Webbing	Two	Locking snap hook	Large locking rebar hooks	6-ft. (1.8 m)
<b>TITAN STRETCH TUBULAR BUILT-IN SHOCK-ABSORBING LANYARDS</b>					
<b>ANSI A10.32</b>					
T5111SS/6FTAF	Webbing	One	Locking snap hook	Locking snap hook	Contracts 6-ft. (1.8 m) to 4-ft. (1.2 m)
T5112SS/6FTAF	Webbing	One	Locking snap hook	Large locking rebar hook	Contracts 6-ft. (1.8 m) to 4-ft. (1.2 m)
T5121SS/6FTAF	Webbing	Two	Locking snap hook	Locking snap hooks	Contracts 6-ft. (1.8 m) to 4-ft. (1.2 m)
T5122SS/6FTAF	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.

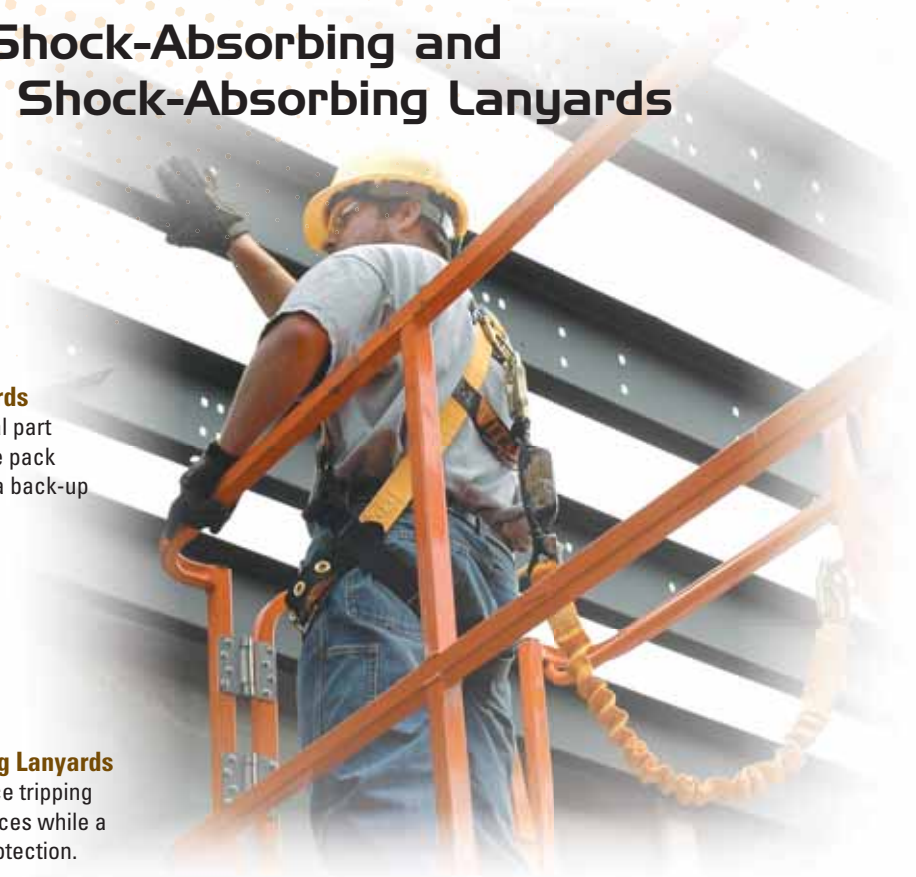
# Titan™ Pack-Type Shock-Absorbing and Stretch Pack-Type Shock-Absorbing Lanyards



**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.



**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>■ TITAN PACK-TYPE SHOCK-ABSORBING LANYARDS</b>					
<b>ANSI A10.32</b>					
T6111/6FTAF	Webbing	One	Locking snap hook	Locking snap hook	6-ft. (1.8 m)
T6111V/6FTAF	Webbing	One	Locking snap hook	Locking snap hook	Adjustable: 4-ft. (1.2 m) to 6-ft. (1.8 m)
T6112/6FTAF	Webbing	One	Locking snap hook	Large locking rebar hook	6-ft. (1.8 m)
T6112V/6FTAF	Webbing	One	Locking snap hook	Large locking rebar hook	Adjustable: 4-ft. (1.2 m) to 6-ft. (1.8 m)
T6113/6FTAF	Webbing	One	Locking snap hook	Small locking rebar hook	6-ft. (1.8 m)
T6121/6FTAF	Webbing	Two	Locking snap hook	Locking snap hooks	6-ft. (1.8 m)
T6122/6FTAF	Webbing	Two	Locking snap hook	Large locking rebar hooks	6-ft. (1.8 m)
T6123/6FTAF	Webbing	Two	Locking snap hook	Small locking rebar hooks	6-ft. (1.8 m)
<b>■ TITAN STRETCH PACK-TYPE SHOCK-ABSORBING LANYARDS</b>					
<b>ANSI A10.32</b>					
T6111SS/6FTAF	Webbing	One	Locking snap hook	Locking snap hook	Contracts 6-ft. (1.8 m) to 4-ft. (1.2 m)
T6112SS/6FTAF	Webbing	One	Locking snap hook	Large locking rebar hook	Contracts 6-ft. (1.8 m) to 4-ft. (1.2 m)
T6121SS/6FTAF	Webbing	Two	Locking snap hook	Locking snap hooks	Contracts 6-ft. (1.8 m) to 4-ft. (1.2 m)
T6122SS/6FTAF	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.

## Titan™ Compact Retractable Web Lanyards

Designed for applications requiring up to 8-ft. (2.4 m) working length, the Titan Retractable Web Lanyard is lightweight and dependable.

SKU	Description	Weight
<b>■ TITAN COMPACT RETRACTABLE WEB LANYARDS</b>		
<b>ANSI A10.32</b>		
TRW/8FT	8-ft. (2.4 m) webbing retractable lanyard	2.5 lbs. (1.1 kg)
TRWS/8FT	8-ft. (2.4 m) webbing retractable lanyard w/top swivel	2.7 lbs. (1.2 kg)



BODY WEAR  
CONNECTING DEVICES  
ANCHORAGE CONNECTORS  
HORIZONTAL LIFELINE SYSTEMS  
CLIMBING & FALL RESTRAINT  
CONFINED SPACE & RESCUE/DESCENT  
FALL PREVENTION & PROTECTION TRAINING  
ENGINEERED SOLUTIONS  
TITAN PRODUCTS  
UTILITY INDUSTRY  
WIND ENERGY INDUSTRY

# Titan™ Fall Limiters

## ■ FEATURES

- 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/11FT



TFL/11FT



TFL-1/11FT



TFL-2/11FT



TFL-3/11FT



TFL-6/11FT

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SKU	Description	Weight
<b>■ TITAN FALL LIMITERS</b>		
<b>ANSI A10.32</b>		
TFL/11FT	Titan Fall Limiter without an anchorage connector	2.5 lbs. (1.1 kg)
TFL-1/11FT	Titan Fall Limiter w/steel twist-lock carabiner	2.8 lbs. (1.3 kg)
TFL-2/11FT	Titan Fall Limiter w/stainless steel swivel shackle	2.6 lbs. (1.2 kg)
TFL-3/11FT	Titan Fall Limiter w/stainless steel swivel shackle & carabiner	2.9 lbs. (1.3 kg)
TFL-6/11FT	Titan Fall Limiter w/stainless steel swivel shackle; large locking rebar hook	3.2 lbs. (1.5 kg)

Large locking rebar hook – 2-1/2-in. (64 mm) gate opening.

# Titan™ Self-Retracting Lifelines

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

## ■ FEATURES

- Affordably priced
- Quick-activating stainless steel braking mechanism
- No annual factory recertification required\*
- Snap hook with swivel; carabiner included
- Narrow payout port



TRW/20FT



TR30/30FT



TR50/50FT

SKU	Length	Housing Material	Lifeline Material	Weight
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## ■ TITAN SELF-RETRACTING LIFELINES

<b>ANSI A10.32</b>				
TRW/20FT	20-ft. (6 m)	Aluminum & stainless steel	1-in. (25 mm) webbing	8 lbs. (3.6 kg)
TR20/20FT	20-ft. (6 m)	Glass-filled polypropylene	3/16-in. (5 mm) galvanized wire rope	11 lbs. (5 kg)
TR30/30FT	30-ft. (9 m)	Glass-filled polypropylene	3/16-in. (5 mm) galvanized wire rope	13 lbs. (5.9 kg)
TR50/50FT	50-ft. (15 m)	Glass-filled polypropylene	3/16-in. (5 mm) galvanized wire rope	18 lbs. (8 kg)
TR65/65FT	65-ft. (20 m)	Glass-filled polypropylene	3/16-in. (5 mm) galvanized wire rope	19 lbs. (8.6 kg)

\*Except in Canada where the Canadian Standards Association requires annual factory recertification.



# Titan™ Positioning and Restraint Lanyards

Rope and Web Lanyards recommended for "work positioning" and "restraint" only.



SKU	Material	Harness Connection	Anchorage Connection	Standard Length*
<b>TITAN POSITIONING AND RESTRAINT LANYARDS</b>				
<b>ANSI A10.32</b>				
T9111R/6FTWH	Rope 5/8-in. (16 mm)	Locking snap hook	Locking snap hook	6-ft. (1.8 m)
T9111W/6FTAF	Webbing	Locking snap hook	Locking snap hook	6-ft. (1.8 m)
T9112R/6FTWH	Rope 5/8-in. (16 mm)	Locking snap hook	Large locking rebar hook	6-ft. (1.8 m)
T9112W/6FTAF	Webbing	Locking snap hook	Large locking rebar hook	6-ft. (1.8 m)
T9113W/6FTAF	Webbing	Locking snap hook	Small 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.

# Titan™ Positioning Assemblies



T8221



T8221W/27INYL

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SKU	Description
<b>TITAN POSITIONING ASSEMBLIES</b>	
<b>ANSI Z359</b>	
T8221W-Z7/27INYL*	Web positioning assembly w/two locking snap hooks & one large locking rebar hook
<b>ANSI A10.32</b>	
T8221/	Rebar chain assembly w/two locking snap hooks & one large locking rebar hook
T8221W/27INYL*	Web positioning 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.

# Titan™ Cross-Arm Anchorage Connectors



6-ft. (1.8 m) web **Cross-Arm Strap** features a D-ring which slips through a web loop; available in lengths from 3 ft. (.9 m) to 10 ft. (3 m).

T7314/3FTAF

T7314/6FTAF

# 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

# Utilities Industry

## Safety at Height Solutions

### Products & Services



BODY WEAR

CONNECTING DEVICES

ANCHORAGE CONNECTORS

HORIZONTAL LIFELINE SYSTEMS

CLIMBING & FALL RESTRAINT

CONFINED SPACE & RESCUE/DESCENT

FALL PREVENTION & PROTECTION TRAINING

ENGINEERED SOLUTIONS

TITAN PRODUCTS

UTILITY INDUSTRY

WIND ENERGY INDUSTRY



# Innovative Products and Services for the Utilities Industry

The Miller® brand of fall protection products has been meeting market demands for fall protection equipment for over 60 years.

We have built a reputation for delivering superior quality products with exceptional customer service, enabling our customers to prevent accidents and injuries, while maintaining on-the-job efficiencies.

Today, we take particular pride in bringing to the market innovative solutions that not only enhance safety and productivity, but increase user acceptance and lower overall cost.

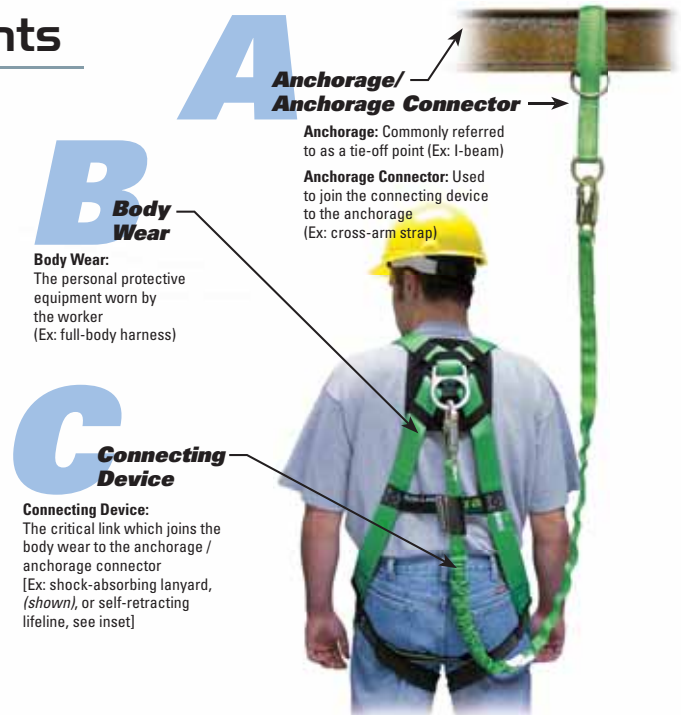


## PERSONAL FALL ARREST SYSTEM

### Key System Components

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 for safety on the job site.



 **Ask the Expert ...  
Ask Miller.**

**800/873-5242**  
[www.millerfallprotection.com](http://www.millerfallprotection.com)



# Miller Linemen's Belts

## All belts feature:

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

## 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.



93N



94N



75N



8449-1



60NL



95N



88N



88N-1

## Fixed Belts

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

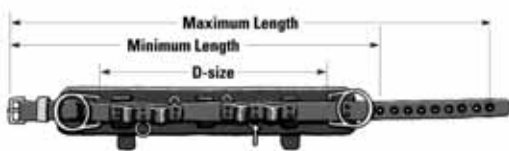
## Semi-Floating Belts

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.

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)

# Miller Bandit™ Tool Lanyards

Prevent tools from dropping that can cause serious injuries on the jobsite. Lanyard conveniently attaches to the user's belt. Tools are attached with the carabiner or by cinching the cord around tool.

SKU	Description
9077	Bandit Tool Lanyard attaches to the user's belt
9077X/12	Consists of a box of 12 Bandit Tool Lanyards



# Miller StopFall™ Fall Restraint System

The Miller StopFall System provides a user-friendly and reliable work positioning and fall arrest system for climbing wooden poles. The StopFall System is specifically designed with a 75-in. (1,905 mm) pole strap (maximum length) and features a 21-in. (533 mm) security strap with unique gaffs that “bite” into wooden poles. Meets CSA Standard Z259.14-99 for Type A and Type AB.

## The polyester pole strap comprises:

- An integral steel reinforcement band, which prevents “hour-glassing” and maintains shape
- A rugged neoprene wear pad for increased service life
- Double-locking snap hooks and length adjuster assembly
- Two-piece spring assembly to prevent a continual electric path
- Stainless steel dome stops to prevent the security strap from inadvertently sliding off the end of the wear pad



## Specially-designed security strap:

- Corrosion-resistant, stainless steel hardware
- Spring-loaded gaffs that provide instant grip on wooden poles
- Nylon rollers permit free movement of the gaffs and minimize abrasion on the strap
- A disconnect and length adjuster with a “parking” feature for when the security strap is not in use

SKU	Description
7600A	Fits wood pole size 25-in. to 50-in. (635 mm - 1,270 mm) circumference. Friction buckle adjustment.
7600B	Fits wood pole size 25-in. to 50-in. (635 mm - 1,270 mm) circumference. Tongue buckle adjustment.



# Miller Aerial Bucket Kit

## Model 812L/UGN

The Miller Aerial Bucket Kit offers a complete personal fall arrest system for bucket truck applications.



The kit includes:

- DuraFlex® Utility Harness (Model E752/UGN)
- Manyard® II Shock-Absorbing Lanyard (Model 233M/6FTGN)
- Aerial Lift Boom Strap (Model 6404/50INYL)

# Miller Aerial Lift Rescue Ladder

The Miller Aerial Lift Self-Rescue Ladder is a portable 15-ft. (4.6 m) 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	Length
9058/15FT	15-ft. (4.6 m) Aerial Lift Self-Rescue Ladder
9058/25FT	25-ft. (7.6 m) Aerial Lift Self-Rescue Ladder
9058/30FT	30-ft. (9.1 m) Aerial Lift Self-Rescue Ladder

# Miller Safety Straps

## NF SERIES SAFETY STRAPS

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	Length
6NFLS/6FTYL	6-ft. (1.8 m)
7NFLS/7FTYL	7-ft. (2.1 m)

## YR SERIES SAFETY STRAPS

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



SKU	Length
6YRLS/6FTBR	6-ft. (1.8 m)
7YRLS/7FTBR	7-ft. (2.1 m)



# Miller Revolution™ Arc-Rated Harnesses

## GUARDS AGAINST ARC-FLASH & ARC-BLAST EXPOSURE

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



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



RKNARRL-QC/UBK

## Kevlar®/Nomex® Miller DualTech™ Webbing

Patent-pending 10,000 lb. tensile strength webbing is engineered with permanent fire retardant (FR) properties.

The webbing 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. The webbing assures arc protection and durability that eclipses any nylon webbing.

**Leather insulators under all metal hardware** offer additional protection for the worker.



## LEATHER UTILITY BAG Model RIA-T11/1

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.

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

## 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



933K/6FTBK

SKU	Material	Style	Number of Legs	Harness Connection	Anchorage Connection	Standard Length*
913K/6FTBK	Kevlar webbing	Lanyard w/SofStop shock absorber	One	Locking snap hook	Locking snap hook	6-ft. (1.8 m)
913KR/6FTBK	Kevlar webbing	Lanyard w/SofStop shock absorber	One	Locking snap hook	Locking rebar hook	6-ft. (1.8 m)
933K/6FTBK	Kevlar webbing	Lanyard w/SofStop shock absorber	One	Choke-off loop	Locking snap hook	6-ft. (1.8 m)
933KR/6FTBK	Kevlar webbing	Lanyard w/SofStop shock absorber	One	Choke-off loop	Locking rebar hook	6-ft. (1.8 m)
8798K/6FTBK	Kevlar webbing	Lanyard w/SofStop shock absorber	Two	Locking snap hook	Locking snap hooks	6-ft. (1.8 m)
8798KR/6FTBK	Kevlar webbing	Lanyard w/SofStop shock absorber	Two	Locking snap hook	Locking rebar hooks	6-ft. (1.8 m)
928KLS/18INBK	Kevlar webbing	SofStop shock absorber pack extension	One	Locking snap hook	D-Ring	18-ft. (5.5 m)

Meets all applicable OSHA, ANSI A10.32 and CSA Standards.

\*Available in lengths from 4-ft. (1.2 m) to 10-ft. (3 m). Note: Locking Snap Hook – 3/4-in. (19 mm) gate opening; Locking Rebar Hook – 2-1/2-in. (63 mm) gate opening.



## Miller® Arc-Rated Cross-Arm Anchorage Straps

Features Kevlar webbing with 2-in. (51 mm) D-ring and choke-off loop.

SKU	Material	Style	Length
8185K/3FTBK	Kevlar webbing	Cross-arm strap	3-ft. (1.0 m)
8185K/6FTBK	Kevlar webbing	Cross-arm strap	6-ft. (1.8 m)
8185K/10FTBK	Kevlar webbing	Cross-arm strap	10-ft. (3.0 m)

Available in lengths from 2-ft. (.6 m) to 10-ft. (3 m)

\*Kevlar and Nomex are registered trademarks of E.I. DuPont.

# Miller DuraFlex® Utility Harnesses

Miller DuraFlex Utility Harnesses are uniquely designed with minimal hardware above the waist to reduce electrical conductivity. In addition, all harness materials are independently thermal-arc tested to ensure superior performance.



## Feel the Difference!

Patented Miller DuraFlex Harnesses feature specially-formulated elastomer webbing that stretches to maximize comfort, improve safety and increase productivity.



E752/UGN

E753/UGN



### Web Loop Lanyard Attachment

- Reduces the chance of electric shock near high-voltage sources
- Minimizes harness weight for added comfort



### Chest Strap with Protective Pads

- Holds shoulder straps in place
- Pads keep chest strap in place and protect user from potential shock and injury



### Adjustable Belt Loops

- Allow for attachment of linemen's belts
- Adjustable to fit most manufacturer models



### Self-Rescue Positioning Loops

- For use with bucket escape systems
- Provides a positioning attachment point

SKU	Size	Back D-Ring	Front D-Ring	Side D-Rings	Chest Strap Buckle	Leg Strap Buckles	Sub-Pelvic Strap	Special Features
E752/UGN	Universal (L/XL)	Web Loop	No	No	Mating	Mating	Yes	Chest strap adjustment / protective pads / adjustable belt loops
E753/UGN	Universal (L/XL)	Web Loop	No	No	Mating	Mating	Yes	Chest strap adjustment / protective pads / adjustable belt loops / self-rescue positioning loops

# Miller Non-Stretch Utility Harnesses

## Web Loop Lanyard Attachment

- Reduces the chance of electric shock near high-voltage sources
- Minimizes harness weight for added comfort



753/UYK

SKU	Size	Back D-Ring	Front D-Ring	Side D-Rings	Chest Strap Buckle	Leg Strap Buckles	Sub-Pelvic Strap	Special Features
752/UYK	Universal (L/XL)	Web Loop	No	No	Mating	Mating	Yes	Adjustable belt loops
753/UYK	Universal (L/XL)	Web Loop	No	No	Mating	Mating	Yes	Rescue loops

# Miller Relief Step™ Safety Device

The Miller Relief Step Safety Device alleviates the effects of orthostatic intolerance, also known as 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
- Low profile design eliminates hindrances or hang-ups



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



# Miller Manyard® Shock-Absorbing Lanyards

- Specially-woven shock-absorbing inner core smoothly expands to reduce fall arrest forces
- After a fall occurs, a warning flag is released

SKU	Material	Number of Legs	Harness Connection	Anchorage Connection	Standard Length
<b>ANSI Z359</b>					
<b>216TWLS-Z7/6FTGN</b>	Green web	One	Locking snap hook	Locking snap hook	6-ft. (1.8 m)
<b>219TWRS-Z7/6FTGN</b>	Green web	One	Locking snap hook	Locking rebar hook	6-ft. (1.8 m)
<b>231TWRS-Z7/6FTGN</b>	Green web	Two	Locking snap hook	Locking rebar hooks	6-ft. (1.8 m)
<b>232TWLS-Z7/6FTGN</b>	Green web	Two	Locking snap hook	Locking snap hooks	6-ft. (1.8 m)
<b>233TWLS-Z7/6FTGN</b>	Green web	One	Web choke-off loop	Locking snap hook	6-ft. (1.8 m)
<b>ANSI A10.32</b>					
<b>216WLS/6FTYL</b>	Yellow web	One	Locking snap hook	Locking snap hook	6-ft. (1.8 m)
<b>219WRS/6FTYL</b>	Yellow web	One	Locking snap hook	Locking rebar hook	6-ft. (1.8 m)
<b>231WRS/6FTYL</b>	Yellow web	Two	Locking snap hook	Locking rebar hooks	6-ft. (1.8 m)
<b>232WLS/6FTYL</b>	Yellow web	Two	Locking snap hook	Locking snap hooks	6-ft. (1.8 m)
<b>233WLS/6FTYL</b>	Yellow web	One	Web choke-off loop	Locking snap hook	6-ft. (1.8 m)
<b>233WRS/6FTYL</b>	Yellow web	One	Web choke-off loop	Locking rebar hook	6-ft. (1.8 m)

Note: Locking snap hook – 3/4-in. (19 mm) gate opening. Locking rebar hook – 2-1/2-in. (63 mm) gate opening.  
Meets all applicable OSHA, ANSI and CSA Standards.



# Miller Manyard® II Stretchable Shock-Absorbing Lanyards

- Contracts 6-ft. (1.8 m) to 4-ft. (1.2 m) to reduce tripping, snagging, or dragging
- Specially-woven shock-absorbing inner core smoothly expands to reduce fall arrest forces
- After a fall occurs, a warning flag is released

SKU	Material	Number of Legs	Harness Connection	Anchorage Connection	Standard Length
<b>ANSI Z359</b>					
<b>216M-Z7/6FTGN</b>	Webbing	One	Locking snap hook	Locking snap hook	6-ft. (1.8 m)
<b>219M-Z7/6FTGN</b>	Webbing	One	Locking snap hook	Locking rebar hook	6-ft. (1.8 m)
<b>231M-Z7/6FTGN</b>	Webbing	Two	Locking snap hook	Two locking rebar hooks	6-ft. (1.8 m)
<b>232M-Z7/6FTGN</b>	Webbing	Two	Locking snap hook	Two locking snap hooks	6-ft. (1.8 m)
<b>233MORS-Z7/6FTGN</b>	Webbing	One	Web choke-off loop & "O" ring extension	Locking rebar hook	6-ft. (1.8 m)
<b>ANSI A10.32</b>					
<b>216M/6FTGN</b>	Webbing	One	Locking snap hook	Locking snap hook	6-ft. (1.8 m)
<b>219M/6FTGN</b>	Webbing	One	Locking snap hook	Locking rebar hook	6-ft. (1.8 m)
<b>231M/6FTGN</b>	Webbing	Two	Locking snap hook	Two locking rebar hooks	6-ft. (1.8 m)
<b>232M/6FTGN</b>	Webbing	Two	Locking snap hook	Two locking snap hooks	6-ft. (1.8 m)
<b>233MRS/6FTGN</b>	Webbing	One	Web choke-off loop	Locking rebar hook	6-ft. (1.8 m)

Note: Locking snap hook – 3/4-in. (19 mm) gate opening. Locking rebar hook – 2-1/2-in. (63 mm) gate opening.  
Meets all applicable OSHA, ANSI and CSA Standards.



## Miller Lanyards with SofStop® Shock Absorber

The integral SofStop Shock Absorber is a specially designed shock-absorbing pack with a woven inner core that smoothly expands to reduce fall arrest forces. A heavy-duty back-up safety strap is incorporated for added safety protection.

### StretchStop® Lanyards w/SofStop Shock Absorber

The StretchStop Lanyard combines the integral SofStop shock absorber pack with a unique stretchable lanyard design. When contracted, the StretchStop Lanyard minimizes the chances of tripping.

SKU	Material	Number of Legs	Harness Connection	Anchorage Connection	Standard Length
<b>ANSI Z359</b>					
913SS-Z7/6FTGN	Webbing	One	Locking snap hook	Locking snap hook	6-ft. (1.8 m)
8798SS-Z7/6FTGN	Webbing	Two	Locking snap hook	Locking snap hooks	6-ft. (1.8 m)
913RSS-Z7/6FTGN	Webbing	One	Locking snap hook	Locking rebar hook	6-ft. (1.8 m)
8798RSS-Z7/6FTGN	Webbing	Two	Locking snap hook	Locking rebar hooks	6-ft. (1.8 m)
<b>ANSI A10.32</b>					
913SS/6FTGN	Webbing	One	Locking snap hook	Locking snap hook	6-ft. (1.8 m)
8798SS/6FTGN	Webbing	Two	Locking snap hook	Locking snap hooks	6-ft. (1.8 m)
913RSS/6FTGN	Webbing	One	Locking snap hook	Locking rebar hook	6-ft. (1.8 m)
8798RSS/6FTGN	Webbing	Two	Locking snap hook	Locking rebar hooks	6-ft. (1.8 m)



913SS/6FTGN

Note: Locking snap hook – 3/4-in. (19 mm) gate opening. Locking rebar hook – 2-1/2-in. (63 mm) gate opening. Meets all applicable OSHA, ANSI and CSA Standards.

### Web Lanyards w/SofStop Shock Absorber

SKU	Material	Number of Legs	Harness Connection	Anchorage Connection	Special Feature	Standard Length
910WLS/6FTYL	Webbing	One	Locking snap hook	Locking snap hook	Adjustable	6-ft. (1.8 m)
913WLS/6FTYL	Webbing	One	Locking snap hook	Locking snap hook	–	6-ft. (1.8 m)
907LS/6FTYL	Wire Rope	One	Locking snap hook	Locking snap hook	–	6-ft. (1.8 m)



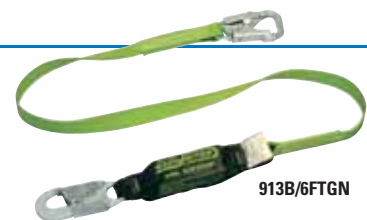
910WLS/6FTYL

Note: Locking snap hook – 3/4-in. (19 mm) gate opening. Meets all applicable OSHA, ANSI and CSA Standards.

## Miller BackBiter® Tie-Back Lanyards

The innovative 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
- SofStop Shock Absorber pack is designed with a specially-woven inner core that smoothly expands to reduce fall arrest forces
- Heavy-duty polyester webbing with five times more abrasion resistance



913B/6FTGN

All-in-one lanyard with SofStop Shock Absorber and cross-arm anchorage connector

SKU	Material	Number of Legs	Harness Connection	Anchorage Connection	Standard Length
<b>ANSI Z359</b>					
913B/6FTGN	Webbing	One	Locking snap hook	Locking 5K snap hook	6-ft. (1.8 m)
8798B/6FTGN	Webbing	Two	Locking snap hook	Two locking 5K snap hooks	6-ft. (1.8 m)
<b>Canadian Standards Association (CSA)</b>					
913B/6FTGNC	Webbing	One	Locking snap hook	Locking 5K snap hook	6-ft. (1.8 m)
8798B/6FTGNC	Webbing	Two	Locking snap hook	Two locking 5K snap hooks	6-ft. (1.8 m)

Note: Locking snap hook – 3/4-in. (19 mm) gate opening. Meets all applicable OSHA, ANSI and CSA Standards.



# New! Miller TurboLite™ Personal Fall Limiters



Never need a shock-absorbing lanyard again! The cost-effective and competitive pricing of the new 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.

- Extremely **compact and lightweight** (1.9 lbs. [.86 kg]) provides 6-ft. (1.8 m) working capacity lifeline; unit attaches directly to the harness back D-ring for greater mobility and versatility
- Engineered webbing for greater abrasion resistance and long 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) user
- No annual factory recertification required



SKU	Description and Unit Connector	Lanyard End Connector
<b>ANSI Z359</b>		
MFL-1-Z7/6FT	TurboLite with steel twist-lock carabiner	Locking snap hook
MFL-2-Z7/6FT	TurboLite with steel twist-lock carabiner	Locking rebar hook
<b>ANSI A10.32</b>		
MFL-1/6FT	TurboLite with steel twist-lock carabiner	Locking snap hook
MFL-2/6FT	TurboLite with steel twist-lock carabiner	Locking rebar hook
MFL-11/6FT	TurboLite with aluminum twist-lock carabiner	Aluminum locking snap hook
MFL-12/6FT	TurboLite with aluminum twist-lock carabiner	Aluminum locking rebar hook

Note: Locking snap hook – 3/4-in. (19 mm) gate opening. Locking rebar hook – 2-1/2-in. (63 mm) gate opening. Meets global standards for international companies; meets all applicable OSHA, ANSI A10.32 and ANSI Z359 and CSA Standards.

# New! Miller Twin Turbo™ Fall Protection System



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 any fall protection harness
- Permits TurboLite PFLs to swivel in multiple directions for greater mobility



SKU	Description and Unit Connector	Lanyard End Connector	Weight
MFLB/	Twin Turbo D-ring Connector	N/A	12.7 oz. (360 g)
<b>ANSI Z359</b>			
MFLB-3-Z7/6FT	Twin Turbo D-ring Connector & two (2) MFL-3-Z7/6FT TurboLite PFL's	Locking snap hooks	4.9 lbs. (2.2 kg)
MFLB-4-Z7/6FT	Twin Turbo D-ring Connector & two (2) MFL-4-Z7/6FT TurboLite PFL's	Locking rebar hooks	6.7 lbs. (3.0 kg)
<b>ANSI A10.32</b>			
MFLB-3/6FT	Twin Turbo D-ring Connector & two (2) MFL-3/6FT TurboLite PFL's	Locking snap hooks	4.7 lbs. (2.1 kg)
MFLB-4/6FT	Twin Turbo D-ring Connector & two (2) MFL-4/6FT TurboLite PFL's	Locking rebar hooks	6.1 lbs. (2.8 kg)
MFLB-11/6FT	Twin Turbo D-ring Connector & two (2) MFL-11/6FT TurboLite PFL's	Aluminum locking snap hooks	4.2 lbs. (1.9 kg)
MFLB-12/6FT	Twin Turbo D-ring Connector & two (2) MFL-12/6FT TurboLite PFL's	Aluminum locking rebar hooks	5.6 lbs. (2.5 kg)

Note: Locking snap hook – 3/4-in. (19 mm) gate opening. Locking rebar hook – 2-1/2-in. (63 mm) gate opening. Meets all applicable OSHA 1926.502, 1910.66; ANSI Z359 and A10.32; and CSA Z259.12-01 requirements.

# 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
- 9 ft. (2.7 m) of working capacity
- Small, lightweight design 2.9 lbs. (1.3 kg)
- No annual factory recertification required

An affordable alternative to shock-absorbing lanyards



PFL-4-Z7/9FT

SKU	Miller Scorpion Unit Connector	Lanyard End Connector
<b>ANSI Z359</b>		
PFL-4-Z7/9FT	Miller Scorpion w/carabiner & swivel shackle	Locking snap hook
PFL-6-Z7/9FT	Miller Scorpion w/rebar hook & swivel shackle	Locking snap hook
PFL-7-Z7/9FT	Miller Scorpion w/locking snap hook & swivel shackle	Locking snap hook
<b>ANSI A10.32</b>		
PFL-4/9FT	Miller Scorpion w/carabiner & swivel shackle	Locking snap hook
PFL-5/9FT	Miller Scorpion w/D-ring swivel hook	Locking snap hook
PFL-6/9FT	Miller Scorpion w/rebar hook & swivel shackle	Locking snap hook
PFL-7/9FT	Miller Scorpion w/locking snap hook & swivel shackle	Locking snap hook
PFL-11/9FT	Miller Scorpion w/locking snap hook & swivel shackle	Locking rebar hook

Note: Locking snap hook – 3/4-in. (19 mm) gate opening. Locking rebar hook – 2-1/2-in. (63 mm) gate opening. Meets all applicable OSHA, ANSI and CSA Standards.

# Miller MiniLite® Fall Limiters

The Miller MiniLite Fall Limiter is an 11-ft. (3.3 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 distance, minimizing the risk of injuries and making rescue easier.

SKU	Description
<b>ANSI Z359</b>	
FL11-3-Z7/11FT	Miller MiniLite w/carabiner & swivel shackle
FL11-6-Z7/11FT	Miller MiniLite w/locking rebar hook & swivel shackle
FL11-8-Z7/11FT	Miller MiniLite w/locking snap hook & swivel shackle
<b>ANSI A10.32</b>	
FL11-3/11FT	Miller MiniLite w/carabiner & swivel shackle
FL11-6/11FT	Miller MiniLite w/locking rebar hook & swivel shackle
FL11-8/11FT	Miller MiniLite w/locking snap hook & swivel shackle

Note: Locking snap hook – 3/4-in. (19 mm) gate opening. Locking rebar hook – 2-1/2-in. (63 mm) gate opening. Meets all applicable OSHA, ANSI and CSA Standards.

Arrests Free-Falls within Inches



FL11-3-Z7/11FT



# Miller Falcon™ Self-Retracting Lifelines

Nearly indestructible, the high impact-resistant nylon housing withstands the harsh rigors of the toughest applications. The lightest, most rugged line of composite retractables are available in 16- (4.9 m), 20- (6 m), 30- (9 m), 50- (15 m) and 65-ft. (20 m) lengths.

- Corrosion-resistant stainless steel and aluminum internal components extend service life and reduce replacement costs
- Lightest composite unit on the market – easy to handle and transport to/from job sites
- Unique side payout design reduces wear on the entry guide bushing and cable for smooth operation with less drag
- Smooth, quiet operation; engineered spring retraction tension designed not to pull or drag on a worker to improve productivity and reduce fatigue
- Built-in, ergonomically-designed molded handle on the 50- (15 m) and 65-ft. (20 m) cable units provide support and leverage when attaching to anchorage connector. Easier to install.
- Dual swivels (unit top and snap hook) included on all cable models to minimize lifeline from twisting during use
- New and improved load indicator identifies when the unit needs to be removed from service\*
  - \*Cable models – on snap hook, Web models – flag on webbing
- No annual factory recertification required\* – lowers cost of ownership and increases productivity
  - \*Except in Canada where the Canadian Standards Association requires annual factory recertification.
- Cable models rated to 400 lbs. (181.4 kg) capacity when using a SofStop® shock absorber (928LS/18INYL)
- Web models rated for up to 400 lbs. (181.4 kg) worker



**New!**

**New!**

SKU	Description	Weight	Dimensions
<b>ANSI Z359</b>			
<b>MP16P-Z7/16FT*</b>	16-ft. (4.9 m) web lifeline w/stainless steel swivel, carabiner & locking snap hook	4.1 lbs. (1.85 kg)	7.2-in. x 5.8-in. x 2.7-in. (183 mm x 147 mm x 69 mm)
<b>MP20P-Z7/20FT*</b>	20-ft. (6 m) web lifeline w/stainless steel swivel, carabiner & locking snap hook	4.2 lbs. (1.90 kg)	7.2-in. x 5.8-in. x 2.7-in. (183 mm x 147 mm x 69 mm)
<b>MP20G-Z7/20FT</b>	20-ft. (6 m) galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	8.9 lbs. (4.0 kg)	10-in. x 8.4-in. x 4-in. (254 mm x 213 mm x 102 mm)
<b>MP30G-Z7/30FT</b>	30-ft. (9 m) galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	10.7 lbs. (4.9 kg)	10-in. x 8.4-in. x 4-in. (254 mm x 213 mm x 102 mm)
<b>MP50G-Z7/50FT</b>	50-ft. (15 m) galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	14.8 lbs. (6.7 kg)	13.5-in. x 9.7-in. x 4-in. (343 mm x 246 mm x 102 mm)
<b>MP65G-Z7/65FT</b>	65-ft. (20 m) galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	17.1 lbs. (7.8 kg)	13.5-in. x 9.7-in. x 4-in. (343 mm x 246 mm x 102 mm)
<b>928LS-Z7/18INBK</b>	SofStop shock absorber pack with locking snap hook & D-ring (400 lbs. [181 kg] working load when using Falcon SRL)	1.4 lbs. (.6 kg)	18-in. (457 mm)
<b>ANSI A10.32</b>			
<b>MP16P/16FT</b>	16-ft. (4.9 m) web lifeline w/stainless steel swivel, aluminum carabiner & locking snap hook	3.5 lbs. (1.59 kg)	7.2-in. x 5.8-in. x 2.7-in. (183 mm x 147 mm x 69 mm)
<b>MP20P/20FT</b>	20-ft. (6 m) web lifeline w/stainless steel swivel, aluminum carabiner & locking snap hook	3.6 lbs. (1.63 kg)	7.2-in. x 5.8-in. x 2.7-in. (183 mm x 147 mm x 69 mm)
<b>MP20G/20FT</b>	20-ft. (6 m) galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	8.9 lbs. (4.0 kg)	10-in. x 8.4-in. x 4-in. (254 mm x 213 mm x 102 mm)
<b>MP30G/30FT</b>	30-ft. (9 m) galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	10.7 lbs. (4.9 kg)	10-in. x 8.4-in. x 4-in. (254 mm x 213 mm x 102 mm)
<b>MP50G/50FT</b>	50-ft. (15 m) galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	14.8 lbs. (6.7 kg)	13.5-in. x 9.7-in. x 4-in. (343 mm x 246 mm x 102 mm)
<b>MP65G/65FT</b>	65-ft. (20 m) galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	17.1 lbs. (7.8 kg)	13.5-in. x 9.7-in. x 4-in. (343 mm x 246 mm x 102 mm)
<b>928LS/18INYL</b>	SofStop shock absorber pack with locking snap hook & D-ring (400 lbs. [181 kg] working load when using Falcon SRL)	1.4 lbs. (.6 kg)	18-in. (457 mm)

\*ANSI Z359 compliant for connectors which meet the 3,600 lbs. (16 kN) gate requirement. Note: Locking snap hook – 3/4-in. (19 mm) gate opening. Meets all applicable OSHA, ANSI and CSA Standards.

# Miller Anchorage Connectors



## CROSS-ARM STRAP

### Model 8183/6FTGN

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. (181.4 kg) maximum capacity.



## REBAR HOOK ANCHOR

### Model 480/19INGN

Designed to facilitate anchoring to scaffolding, pipe or angle iron, and 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.

ANSI Z359	Model 480-Z7/19INGN
ANSI A10.32	Model 480/19INGN



## WIRE HOOK

### Model 470

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. (181.4 kg) maximum capacity.



## 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.

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

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



## BEAM TROLLEY

The Beam Trolley is adjustable and slides along with the worker to provide maximum mobility.

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

*Lightweight Beam Trolley Retrofit Kits:*

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

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

## AERIAL LIFT BOOM STRAP

### Model 6404/50INYL

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.



## BOOM STRAP

### Model M10FD/10FTYL

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



## EXTENSION POLE & HOOK

### Model 475

The 20-ft. (6 m) fiberglass pole and spring-loaded hook is ideal for 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. (181.4 kg) maximum capacity.



## D-BOLT ANCHORS

### Model 415

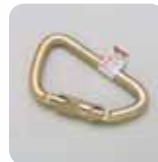
D-Bolt Anchor for up to 3/4-in. (19 mm) working thickness includes a 1/2-in. (13 mm) diameter bolt with lockwasher and nut.



### Model 416

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.

**Model 417** – D-Bolt Anchor without hardware (sold separately).



## CARABINERS – 400 lbs. maximum capacity

### Model 17D-1

Steel twist-lock carabiner; 1-in. (25 mm) gate opening. Meets ANSI Z359



### Model 18D-1

Large, steel twist-lock carabiner; 2-in. (51 mm) gate opening. Meets ANSI Z359



### Model 17D-2

Lightweight, aluminum twist-lock carabiner; 1-in. (25 mm) gate opening. Meets ANSI A10.32

**Model 17D-3** – Same as 17D-2 with triple-action feature.



### Model 18D-2

Large, aluminum twist-lock carabiner; 2-1/4-in. (57 mm) gate opening. Meets ANSI A10.32



# Miller Shadow® Beam Anchors

Miller Shadow 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 units (models 8814 and 8816) slide along the beam with the worker to provide increased safety, mobility and productivity.

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



8816-14

SKU	Description	Fits Flange Size
8816-14	Lightweight, adjustable Miller Shadow Beam Anchor – high-strength aluminum & bronze; 4.2 lbs. (2 kg)	3-in. to 14-in. (76 mm to 356 mm)
8814-12	Lightweight, adjustable Miller Shadow Beam Anchor – stainless steel & high-strength aluminum	4-in. to 12-in. (102 mm to 305 mm)
8814-24	Lightweight, adjustable Miller Shadow Beam Anchor – stainless steel & high-strength aluminum	12-in. to 24-in. (305 mm to 610 mm)
8815-12	Lightweight, fixed Miller Shadow Beam Anchor – stainless steel & high-strength aluminum	4-in. to 12-in. (102 mm to 305 mm)
8815-24	Lightweight, fixed Miller Shadow Beam Anchor – stainless steel & high-strength aluminum	12-in. to 24-in. (305 mm to 610 mm)

Meets all applicable OSHA, ANSI and CSA Standards.

# Miller Grip™ Anchorage Connectors

A safe anchor connection is established when the Miller Grip anchor is inserted into a properly-sized, cured concrete hole. The reusable Miller Grip anchor 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. Designed for use in cured concrete with a minimum compression strength of 3,000 psi.



496



497

SKU	Hole Diameter	Description
496	3/4-in. (19 mm)	5,000 lb. (2,268 kg) ultimate strength; for single user connection; 400 lbs. (181.4 kg) maximum capacity
497	1-in. (25 mm)	10,000 lb. (4,536 kg) ultimate strength; for single user connection; can be used with SkyGrip horizontal lifeline components; 400 lbs. (181.4 kg) maximum capacity

Meets all applicable OSHA, ANSI and CSA Standards.

# Miller SkyGrip™ Temporary Horizontal Lifeline Kits

A Miller SkyGrip Wire Rope 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
- Miller Grip Anchors may be used in concrete substrate or mining friction bolts to provide secure points of attachment
- Miller Cross-Arm Straps conveniently wrap around I-beams and other structures to form secure points of attachment
- Miller Fixed Beam Anchors connect both horizontally and vertically to beams or columns. A durable, spring-loaded, positive-lock engagement pin ensures proper installation.

SKU	Kit Description
SG416/60FT	60-ft. (18.3 m) SkyGrip wire rope lifeline & two D-bolt anchors (Model 416); includes 5/8-in. (16 mm) diameter bolt with lock washer & nut for up to 4-in. (102 mm) working thickness
SG417/60FT	60-ft. (18.3 m) SkyGrip wire rope lifeline & two D-bolt anchors (Model 417); bolt not included
SG494/60FT	60-ft. (18.3 m) SkyGrip wire rope lifeline & two Miller Grip anchorage connectors (Model 494) to accommodate two friction bolts with outside diameters of 1.5 in. (38 mm)
SG8183-10/60FT	60-ft. (18.3 m) SkyGrip wire rope lifeline & two 10-ft. (3 m) cross-arm straps (Model 8183/10FTGN)
SG8815-12/60FT	60-ft. (18.3 m) SkyGrip wire rope lifeline & two fixed beam anchors (Model 8815-12); fits beam flanges 4-in. (102 mm) to 12-in. (305 mm) wide up to 1.5-in. (38 mm) thick
SG8815-24/60FT	60-ft. (18.3 m) SkyGrip wire rope lifeline & two fixed beam anchors (Model 8815-24); fits beam flanges 12-in. (305 mm) to 24-in. (610 mm) wide up to 2.5-in. (64 mm) thick

Note: SkyGrip Wire Rope Lifeline Kits include an energy absorber, combo-clamp-thimble, turnbuckle cable, wire rope clip and two anchorage connectors.

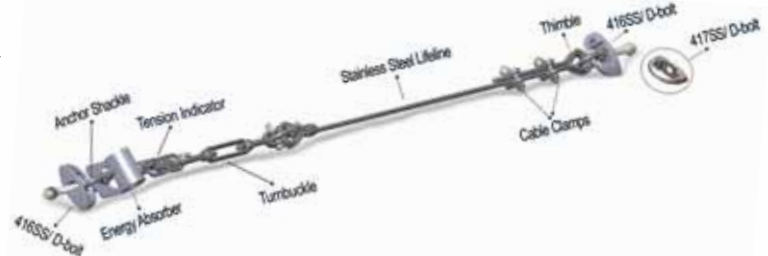
## Typical Installations:



# Miller SkyGrip™ Permanent HLL System Kits in Stainless Steel

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

- 100% stainless steel construction – corrosion resistant stainless steel components for a longer service life.
- Ideal for corrosive environments – designed for petrochemical, pharmaceutical, food processing, outdoor and off-shore applications.
- Engineered and safety tested by experts in the industry that understand fall forces and system design.
- Compact and lightweight – provides for easier handling and installation.
- Single-span systems – spans adjust up to 60 ft. (18.3 m) and accommodate up to two workers.
- Stainless steel tension indicator – proper tensioning of system ensures accurate fall clearance requirements.
- Compact, stainless steel Miller SkyGrip energy absorber – engineered to keep system forces consistently low during a fall and minimizes fall clearance.

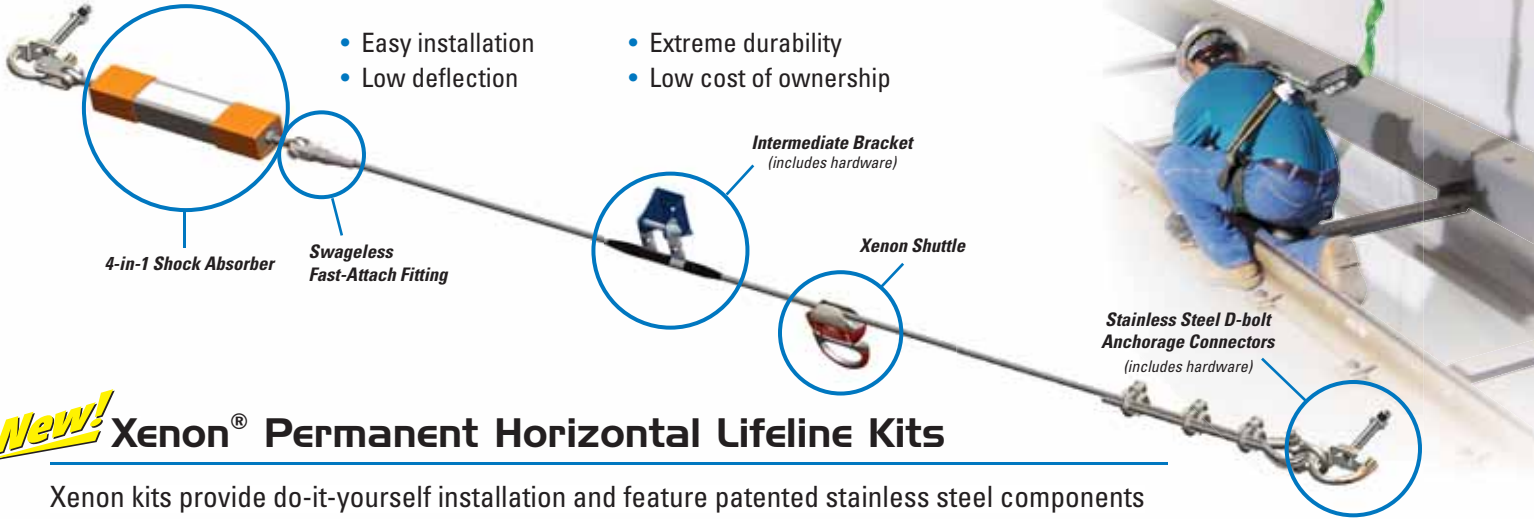


SKU	Description
SG416-FS/60FT	60-ft. (18.3 m) stainless steel horizontal lifeline kit (SGLLK-FS/60FT) w/two 416SS/ D-bolt anchors
SG417-FS/60FT	60-ft. (18.3 m) stainless steel horizontal lifeline kit (SGLLK-FS/60FT) w/two 417SS/ D-bolt anchors
SGLLK-FS/30FT	30-ft. (9 m) stainless steel lifeline w/four stainless steel anchor shackles, turnbuckle, cable clamps, tension indicator, thimble & energy absorber
SGLLK-FS/60FT	60-ft. (18.3 m) stainless steel lifeline w/four stainless steel anchor shackles, turnbuckle, cable clamps, tension indicator, thimble & energy absorber
SGXK-FS	SkyGrip stainless steel energy absorber kit w/stainless steel tension indicator, two stainless steel anchor shackles & stainless steel hardware
416SS/	Stainless steel D-bolt anchor, 5/8-in. (16 mm) hole for hardware, 5/8-in. (16 mm) dia. x 5-in. (127 mm) long stainless steel bolt w/nut & washer
417SS/	Stainless steel D-bolt anchor, 5/8-in. (16 mm) hole for hardware, does not include hardware



# Xenon® Permanent Horizontal Lifeline Systems

Xenon Permanent Horizontal Lifeline Systems provide automatic pass-through fall protection for multiple workers that ultimately increases worker mobility, safety and productivity. For use along crane rail runways, loading bays/docks, machinery, conveyors, rooftops, inside sports arenas, pipe racks, bridges and many industrial applications.



## New! Xenon® Permanent Horizontal Lifeline Kits




Xenon kits provide do-it-yourself installation and feature patented stainless steel components that are easy-to-use and require minimal maintenance.




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), 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.

SKU	System Length	Number of Intermediate Brackets	SKU	System Length	Number of Intermediate Brackets
X00030	30-ft. (9.1 m)	0	X00300	300-ft. (91.4 m)	9
X00060	60-ft. (18.3 m)	1	X00330	330-ft. (100.6 m)	10
X00090	90-ft. (27.4 m)	2	X00360	360-ft. (109.7 m)	11
X00120	120-ft. (36.6 m)	3	X00390	390-ft. (118.9 m)	12
X00150	150-ft. (45.7 m)	4	X00420	420-ft. (128.0 m)	13
X00180	180-ft. (54.9 m)	5	X00450	450-ft. (137.2 m)	14
X00210	210-ft. (64.0 m)	6	X00480	480-ft. (146.3 m)	15
X00240	240-ft. (73.2 m)	7	X00510	510-ft. (155.4 m)	16
X00270	270-ft. (82.3 m)	8			

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

## Xenon® Components

SKU	Description
1005709	<b>Xenon Shuttle</b> <ul style="list-style-type: none"> <li>Self-aligns for smooth automatic pass-through of intermediate brackets</li> <li>Dual-locking mechanism for added safety</li> </ul> 
1010609	<b>Universal Intermediate Bracket</b> <ul style="list-style-type: none"> <li>Automatic pass-through bracket allows easy passage of Xenon shuttle for 100% connection to the system</li> <li>Can be configured as free floating or locked</li> <li>Brackets can be attached to a fitted cable to allow for easy replacement</li> </ul> 
1014934	<b>Xenon 4-in-1 Shock Absorber</b> <ul style="list-style-type: none"> <li>Provides four functions in one unit!                             <ul style="list-style-type: none"> <li>Absorbs energy to reduce system forces</li> <li>Includes a turnbuckle mechanism for easy tensioning</li> <li>Features a tension indicator to show when properly tensioned</li> <li>Incorporates a fall indicator to show someone has fallen into the system</li> </ul> </li> <li>Compact design allows for immediate connection for added worker safety</li> </ul> 

SKU	Description
1013720	<b>Fast-Attach Fitting</b> <ul style="list-style-type: none"> <li>Provides for easy installation of cable</li> <li>Requires no specialty swaging tools</li> </ul> 
416SS/	<b>Stainless Steel D-bolt Anchorage Connector</b> <ul style="list-style-type: none"> <li>Features 5/8-in. (16 mm) hole for hardware</li> <li>Can be mounted on a vertical surface or overhead for added versatility</li> <li>Includes 5/8-in. (16 mm) diameter x 5-in. (127 mm) long stainless steel bolt w/nut and washer</li> </ul> 
417SS/	<b>Stainless Steel D-bolt Anchorage Connector</b> <ul style="list-style-type: none"> <li>Features 5/8-in. (16 mm) hole for hardware</li> <li>Can be mounted on a vertical surface or overhead for added versatility</li> </ul> 

# Vi-Go™ Ladder Climbing Safety Systems

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



## Vi-Go Ladder Climbing Safety Systems offer many unique advantages:

- 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
- Accommodate 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

## Vi-Go Continuous Ladder Climbing Safety Systems 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)

### 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.



## Vi-Go Ladder Climbing Safety Systems 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-inch (10 mm) cable**



Manual Vi-Go Cable Sleeve with Carabiner



Manual Pass-Through Cable Guide



# Vi-Go™ System Kits

**KITS WITH  
LONGER CABLE LENGTHS  
AVAILABLE**

## Vi-Go Continuous Ladder Climbing Safety System Kits with Automatic Pass-Through

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.



SKU	Length of System	Number of Cable Guides
VG/30FT	30-ft. (9.1 m)	0
VG/40FT	40-ft. (12.2 m)	0
VG/50FT	50-ft. (15.2 m)	1
VG/60FT	60-ft. (18.3 m)	1
VG/70FT	70-ft. (21.3 m)	1
VG/80FT	80-ft. (24.4 m)	1

SKU	Length of System	Number of Cable Guides
VG/90FT	90-ft. (27.4 m)	2
VG/100FT	100-ft. (30.5 m)	2
VG/110FT	110-ft. (33.5 m)	2
VG/120FT	120-ft. (36.6 m)	2
VG/130FT	130-ft. (39.6 m)	3
VG/140FT	140-ft. (42.7 m)	3



VGCS-SC

### Vi-Go Automatic Pass-Through Cable Sleeve\* Sold Separately

SKU	Description
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

Other system kits are available in 10-ft. (3.0 m) increments up to 300 ft. (91.4 m), and then 50-ft. (15.2 m) increments up to 500 ft. (152.4 m) (e.g. To place an order for a Vi-Go system kit with 250-ft. (76.2 m) length cable, the model number is VG/250FT)

\*NOTE: The Vi-Go Automatic Pass-Through Cable Sleeve can ALSO be used with the manual system.

## Vi-Go Ladder Climbing Safety System Kits with Manual Pass-Through

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
TRS/50FT	50-ft. (15.2 m)	1
TRS/60FT	60-ft. (18.3 m)	1
TRS/70FT	70-ft. (21.3 m)	1
TRS/80FT	80-ft. (24.4 m)	1
TRS/90FT	90-ft. (27.4 m)	2

SKU	Length of System	Number of Cable Guides
TRS/100FT	100-ft. (30.5 m)	2
TRS/110FT	110-ft. (33.5 m)	2
TRS/120FT	120-ft. (36.6 m)	2
TRS/130FT	130-ft. (39.6 m)	3
TRS/140FT	140-ft. (42.7 m)	3



TRCS-C

### Vi-Go Manual Pass-Through Cable Sleeve\* Sold Separately

SKU	Description
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 and carabiner

Other system kits are available in 10-ft. (3.0 m) increments up to 300 ft. (91.4 m), and then 50-ft. (15.2 m) increments up to 500 ft. (152.4 m) (e.g. To place an order for a Vi-Go system kit with 250-ft. (76.2 m) length cable, the model number is TRS/250FT)

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

# GlideLoc® Vertical Height Access Ladder Systems

New GlideLoc Vertical Height Access Ladder Systems provide an innovative solution for vertical climbing that is easy-to-use, requires minimal maintenance and provides superior safety. The easy-climb GlideLoc 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, including:

- Brackets for larger ladder rungs
- Brackets to attach to ladder side rails
- Foldable foot rests for long ladders
- Shaft entry device to provide easy access to manholes and roof hatches



Integrated Shock-Absorbing Element



## GlideLoc® Fall Arresters

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

- **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

Attaches at top or bottom of rail



### Comfort GlideLoc Fall Arrester

- 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

Attaches anywhere on rail



### Universal II GlideLoc Fall Arrester

- 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

Specially-designed for highly corrosive environments

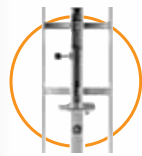


### Comfort II GlideLoc Fall Arrester

- Applications which require stainless steel components with access to the ladder for entry/exit at the top or bottom of the rail
- Ideal for oil exploration, petrochemical, food processing, pharmaceutical, water supply, waste water, mining and coastal applications



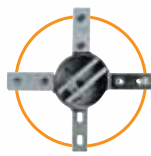
## Innovative System Designs



1 Rotary Exit\*



2 Foldable Foot Rests



3 Turntable\*



4 Exit Section\*

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

## GlideLoc® Vertical Height Access Ladder System Kits

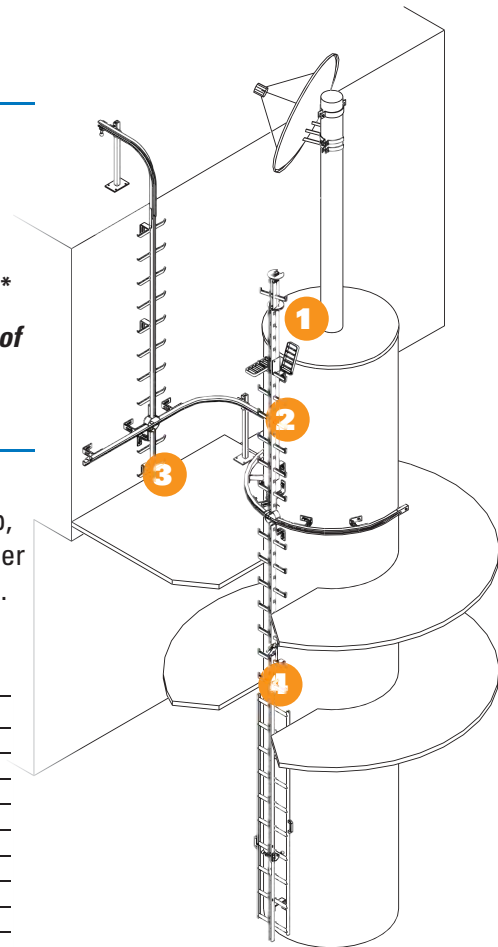
Kits are available in aluminum, galvanized or stainless steel construction.

Kits come complete with GlideLoc rail, gated top end-stop, gated bottom 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	Section of 10-ft. (3.0 m) Rail	Number of Rung Clamps
GG0020	GA0020	GS0020	20-ft. (6.1 m)	2	4
GG0030	GA0030	GS0030	30-ft. (9.1 m)	3	6
GG0040	GA0040	GS0040	40-ft. (12.2 m)	4	7
GG0050	GA0050	GS0050	50-ft. (15.2 m)	5	9
GG0060	GA0060	GS0060	60-ft. (18.3 m)	6	10
GG0070	GA0070	GS0070	70-ft. (21.3 m)	7	11
GG0080	GA0080	GS0080	80-ft. (24.4 m)	8	13
GG0090	GA0090	GS0090	90-ft. (27.4 m)	9	14
GG0100	GA0100	GS0100	100-ft. (30.5 m)	10	16
GG0110	GA0110	GS0110	110-ft. (33.5 m)	11	17
GG0120	GA0120	GS0120	120-ft. (36.6 m)	12	19
GG0130	GA0130	GS0130	130-ft. (39.6 m)	13	20
GG0140	GA0140	GS0140	140-ft. (42.7 m)	14	21
GG0150	GA0150	GS0150	150-ft. (45.7 m)	15	23
GG0160	GA0160	GS0160	160-ft. (48.8 m)	16	24
GG0170	GA0170	GS0170	170-ft. (51.8 m)	17	26
GG0180	GA0180	GS0180	180-ft. (54.9 m)	18	27
GG0190	GA0190	GS0190	190-ft. (57.9 m)	19	29
GG0200	GA0200	GS0200	200-ft. (61.0 m)	20	30

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



\*Not all components are compatible with kits. For complete list of compatible kit components, see "GlideLoc Kit Components."



## GlideLoc® Kit Components

SKU	Description
22697	<b>Comfort GlideLoc Fall Arrester</b> – locks into the rail in the event of a fall. Stainless steel & aluminum construction.
25805	<b>Universal II GlideLoc Fall Arrester</b> – can be removed from the rail anywhere along the system enabling transfer onto platforms. Stainless steel & aluminum construction.
23331	<b>Comfort II GlideLoc Fall Arrester</b> – locks into the rail in the event of a fall. Stainless steel construction.
15729	<b>Aluminum Vertical Rail</b> – length of 10-ft. 1-in. (3.07 m)
14622	<b>Galvanized Vertical Rail</b> – length of 10-ft. 1-in. (3.07 m)
16852	<b>Stainless Steel Vertical Rail</b> – length of 10-ft. 1-in. (3.07 m)
21050	<b>Gated Top End-Stop</b> – for use with vertical rail. Allows for entering and exiting the system with GlideLoc fall arresters. Stainless steel construction.
21049	<b>Gated Bottom End-Stop</b> – for use with vertical rail. Allows for entering and exiting the system with GlideLoc fall arresters. Stainless steel construction.
11634	<b>Rigid End-Stop</b> – for use with vertical rail, prevents GlideLoc fall arresters from being removed from rail. Stainless steel construction.

SKU	Description
10903	<b>Rung Clamp</b> for diameters up to 1-in. (25.4 mm), galvanized
14804	<b>Rung Clamp</b> for diameters 1-in. (25.4 mm) to 1-1/4-in. (31.8 mm), galvanized
14805	<b>Rung Clamp</b> for diameters 1-1/4-in. (31.8 mm) to 1-3/4-in. (44.5 mm), galvanized
14809	<b>Rung Clamp</b> for diameters up to 1-in. (25.4 mm), stainless steel
14813	<b>Rung Clamp</b> for diameters 1-in. (25.4 mm) to 1-1/4-in. (31.8 mm), stainless steel
14814	<b>Rung Clamp</b> for diameters 1-1/4-in. (31.8 mm) to 1-3/4-in. (44.5 mm), stainless steel
19091	<b>Side Mount Clamp</b> – enables mounting rail along the side of ladder. Galvanized steel construction.
17065	<b>Shaft Entering Device</b> – allows safe entry of a shaft such as a manhole. The prongs slip into coupling device (model 16191). Stainless steel construction.
16191	<b>Shaft Entering Device Coupling</b> – is attached to the top of GlideLoc rail to allow use of shaft entering devices (model 17065). Stainless steel construction.
23724	<b>Foldable Foot Rest</b> – provides a rest platform that conveniently folds out of the way when not in use. Galvanized steel construction.

# Miller DuraHoist™ Portable Confined Space Systems



- Lightweight, high-strength aluminum construction for easy handling and long service life
- No tools required for assembly
- Modular design allows the use of components in various configurations and applications, lowering cost of ownership and providing effective safety solutions
- A variety of portable and fixed bases are available for many confined space applications

Miller DuraHoist Portable Confined Space Systems provide safe, lightweight and portable solutions for a variety of confined space applications, including confined space entry, rescue, positioning and personnel/material handling.

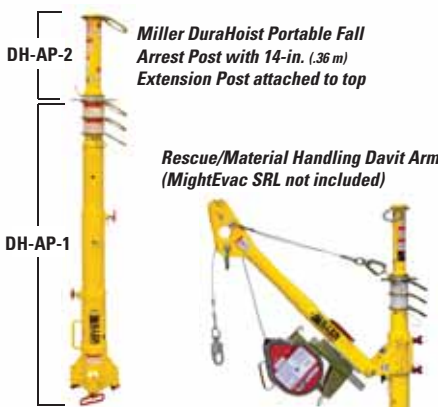
SKU	Description	Weight
<b>Miller DuraHoist Portable Confined Space Systems</b>		
DH-1/	Four-piece system with ManHandler Hoist/Winch w/65-ft. (20 m) of 3/16-in. (4.76 mm) galvanized steel cable	133.5 lbs. (60.6 kg)
DH-2/	Four-piece system without ManHandler Hoist/Winch	91 lbs. (41.3 kg)
DH-3/	One-piece Adjustable Mast	29 lbs. (13.2 kg)
DH-4/	Three-piece Portable Base, lightweight, powder-coated aluminum	61 lbs. (27.7 kg)
DH-19-MILLER	Complete Assembly of Bracket (DH-19) and Bracket (DH-AB-Miller) for mounting ManHandler Hoist/Winch or Miller MightEvac SRL	3.1 lbs. (1.4 kg)
<b>Miller DuraHoist Portable Confined Space Systems Accessories</b>		
DH-4WK/	Miller Wheel Kit (two wheels) for Miller DuraHoist Three-piece Base (DH-4/)	30 lbs. (13.6 kg)
DH-18/	Miller Equipment Cart for Miller DuraHoist Four-piece Hoist System (DH-1/, DH-2/)	40 lbs. (18.1 kg)
<b>Portable &amp; Fixed Bases</b>		
DH-5/	Barrel Mount Sleeve with 3.5-in. (.09 m) opening, zinc-plated, mild steel	36 lbs. (16.3 kg)
DH-6/	Adjustable Barrel Mount Sleeve, anodized welded aluminum w/zinc-plated steel hardware	56 lbs. (25.4 kg)
DH-7ZP/*	Floor mount sleeve, zinc-plated, mild steel	13 lbs. (5.9 kg)
DH-8ZP/*	Wall Mount Sleeve, zinc-plated, mild steel	12 lbs. (5.4 kg)
DH-9ZP/*	Core Mount Sleeve, zinc-plated, mild steel	8 lbs. (3.6 kg)
DH-10ZP/*	Sleeve Cap – keeps dirt & debris from getting into the opening of various sleeve mounts, zinc-plated, mild steel	1.2 lbs. (.5 kg)
DH-11/17.5	17.5-in. (.44 m) Manhole Collar for use w/18-in. to 20-in. (.46 m to .51 m) dia. manways, lightweight, powder-coated aluminum	26 lbs. (11.8 kg)
DH-11/19.5	19.5-in. (.50 m) Manhole Collar for use w/20-in. to 22-in. (.51 m to .56 m) dia. manways, lightweight, powder-coated aluminum	29.5 lbs. (13.4 kg)
DH-12 /	Vehicle Hitch Mount Sleeve	49 lbs. (22.2 kg)
<b>Base Accessories</b>		
DH-20ZP/*	Flush Floor Mount Sleeve, zinc-plated, mild steel	24 lbs. (10.9 kg)

\*Available in stainless steel by replacing "ZP" in the SKU with "SS" (Ex.: DH/7ZP becomes DH/7SS).  
Meets all applicable OSHA and ANSI standards.

## Miller DuraHoist™ Portable Fall Arrest Posts

The Portable Fall Arrest Post provides three independent swivel tie-off points for fall arrest anchorage. Three-stage/four-position telescoping design and aluminum construction for easy transportation and set-up. The leveling screws allow the system to be plumbed to vertical for proper working stability on inclines up to 15 degrees. The post also provides Horizontal Lifeline (HLL) capabilities using the HLL Anchor Ring.

Rescue/Material Handling Davit Arm attaches quickly and easily to the Portable Fall Arrest Post for rescue and material handling applications. Lightweight aluminum construction makes the Davit Arm easy to transport and set-up.



SKU	Description	Weight
<b>Miller DuraHoist Portable Fall Arrest Post</b>		
DH-AP-1/	Portable Fall Arrest Post	38 lbs. (17.2 kg)
DH-AP-2/	14-in. (.36 m) Extension Post	4.5 lbs. (2.0 kg)
DH-AP-3/	Rescue/Material Handling Davit Arm	20.5 lbs. (9.3 kg)
<b>Anchor Plates</b>		
DH-AP-4/	Plate with tie-off anchor	11.8 lbs. (5.4 kg)
DH-AP-6/	Plate for inclined surfaces with tie-off anchor	24 lbs. (10.9 kg)
DH-AP-12/	Bolt-on Anchor Plate	43 lbs. (19.5 kg)
<b>Base &amp; Bracket</b>		
DH-AP-9/	Portable I-beam Anchor Base	56 lbs. (25.4 kg)
DH-AP-11/	Complete Assembly of Adapter Plate (DH-AP-10) & Bracket (DH-AB-Miller) for mounting ManHandler Hoist/Winch or Miller MightEvac SRL	2.7 lbs. (1.2 kg)

Meets all applicable OSHA and ANSI standards.



# Miller MightEvac<sup>®</sup> Self-Retracting Lifelines w/Emergency Retrieval Hoist

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

- No annual factory recertification required\*
- 20% lighter than competitive models; convenient, heavy-duty carrying handle
- Promotes quick and easy rescue with a 4:1 mechanical advantage (average speed of 25 ft. [7.6 m] per minute)
- 310 lb. (140.6 kg) weight capacity; rated to 400 lbs. (181.4 kg) capacity when using a SofStop shock absorber (928LS/18INYL)
- For emergency evacuation only
- Corrosion-resistant stainless steel/aluminum components

*\*Does not apply to Canada due to CSA Z259.2.2-98 requirements. Must be inspected by a Miller authorized service center if involved in a fall or if fails user visual or function inspection.*



SKU	Description	Weight
<b>ANSI Z359</b>		
MR50GB-Z7/50FT	Miller MightEvac w/50-ft. (15 m) of 3/16-in. (4.76 mm) galvanized wire rope, mounting bracket & carabiner	39 lbs. (17.7 kg)
MR100GB-Z7/100FT	Miller MightEvac w/100-ft. (30 m) of 3/16-in. (4.76 mm) galvanized wire rope, mounting bracket & carabiner	59 lbs. (26.8 kg)
MR130GB-Z7/130FT	Miller MightEvac w/130-ft. (40 m) of 3/16-in. (4.76 mm) galvanized wire rope, mounting bracket & carabiner	64 lbs. (29.0 kg)
<b>ANSI A10.32</b>		
MR50GB/50FT	Miller MightEvac w/50-ft. (15 m) of 3/16-in. (4.76 mm) galvanized wire rope, mounting bracket & carabiner	39 lbs. (17.7 kg)
MR50SB/50FT	Miller MightEvac w/50-ft. (15 m) of 3/16-in. (4.76 mm) stainless steel wire rope, mounting bracket & carabiner	39 lbs. (17.7 kg)
MR100GB/100FT	Miller MightEvac w/100-ft. (30 m) of 3/16-in. (4.76 mm) galvanized wire rope, mounting bracket & carabiner	59 lbs. (26.8 kg)
MR100SB/100FT	Miller MightEvac w/100-ft. (30 m) of 3/16-in. (4.76 mm) stainless steel wire rope, mounting bracket & carabiner	59 lbs. (26.8 kg)
MR130GB/130FT	Miller MightEvac w/130-ft. (40 m) of 3/16-in. (4.76 mm) galvanized wire rope, mounting bracket & carabiner	64 lbs. (29.0 kg)
MR130SB/130FT	Miller MightEvac w/130-ft. (40 m) of 3/16-in. (4.76 mm) stainless steel wire rope, mounting bracket & carabiner	64 lbs. (29.0 kg)

Meets all applicable OSHA, ANSI and CSA standards.

# Miller ManHandler<sup>®</sup> Hoist/Winch

The ManHandler Hoist 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
- Built-in mounting bracket
- Effortless lifting and lowering with 5:1 gear ratio
- Anti-backlash crank handle braking system prevents freewheeling
- 350 lbs. (159 kg) working capacity



SKU	Description
<b>ANSI Z359</b>	
8442-Z7/65FT	ManHandler personnel-rated hoist w/65-ft. (20 m) of galvanized steel cable
8442GC-Z7/65FT	ManHandler personnel-rated hoist w/65-ft. (20 m) of galvanized steel cable & 7-ft. (2 m) tripod
8442-Z7/100FT	ManHandler personnel-rated hoist w/100-ft. (30 m) of galvanized steel cable
<b>ANSI A10.32</b>	
8442/65FT*	ManHandler personnel-rated hoist w/65-ft. (20 m) of galvanized steel cable
8442/100FT*	ManHandler personnel-rated hoist w/100-ft. (30 m) of galvanized steel cable
8440/60FT	Material winch w/60-ft. (18 m) of galvanized steel cable
8441/88FT	Material winch w/88-ft. (27 m) of galvanized steel cable

Meets all applicable OSHA, ANSI and CSA standards.

\*Also available with stainless steel wire rope by adding "SS" after the model number (Ex: 8442SS/65FT)



# Miller Confined Space and Rescue Systems

All Confined Space Systems include a Miller Tripod, Miller MightEvac® Unit, a pulley, carabiner and two heavy-duty equipment bags. Systems with a ManHandler® Hoist/Winch also available.



Length of Wire Rope	Miller MightEvac Unit w/7-ft. (2 m) Tripod & Mounting Bracket	Miller MightEvac Unit w/7-ft. (2 m) Tripod, Mounting Bracket & ManHandler Hoist	Miller MightEvac Unit w/9-ft. (2.7 m) Tripod & Mounting Bracket	Miller MightEvac Unit w/9-ft. (2.7 m) Tripod, Mounting Bracket & ManHandler Hoist
<b>ANSI Z359</b>				
50-ft. (15 m)	MR50GC-Z7/50FT	–	–	–
100-ft. (30 m)	MR100GC-Z7/100FT	–	–	–
130-ft. (40 m)	MR130GC-Z7/130FT	–	–	–
<b>ANSI A10.32</b>				
50-ft. (15 m)	MR50GC/50FT	MR50GCM/50FT	MR50GX/50FT	MR50GXM/50FT
100-ft. (30 m)	MR100GC/100FT	–	MR100GX/100FT	–
130-ft. (40 m)	MR130GC/130FT	–	MR130GX/130FT	–

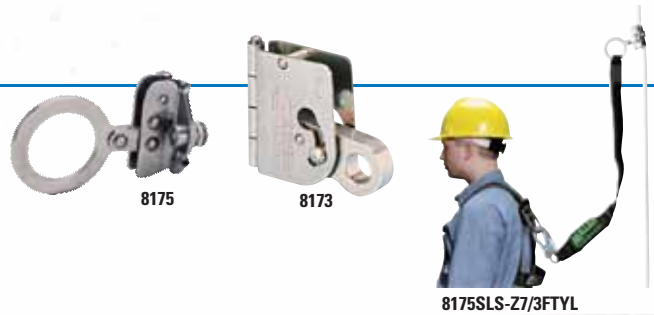
Meets all applicable OSHA, ANSI and CSA standards.

For stainless steel wire rope, change the "G" to an "S" in the corresponding model number (Ex: MR50GC/50FT becomes MR50SC/50FT).

Note: ManHandler Hoist is only available in 65-ft. (18 m) and 100-ft. (30 m) lengths.

## 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.



SKU	Description
<b>ANSI Z359</b>	
8175-Z7/	<b>Trailing Rope Grab</b> – Stainless steel trailing rope grab w/anti-panic feature for use with 5/8-in. (16 mm) rope
8175SLS-Z7/3FTYL	<b>Trailing Rope Grab</b> – 8175-Z7/ with attached 3-ft. (1 m) SofStop shock-absorber for use with 5/8-in. (16 mm) rope
<b>ANSI A10.32</b>	
8172/U*	<b>Miller MicroLoc Trailing Rope Grab</b> – Compact, stainless steel trailing wire rope grab for use with 5/16-in. (8 mm) wire rope
8173/U*	<b>Miller MicroLoc Trailing Rope Grab</b> – Compact, stainless steel trailing rope grab for use with 5/8-in. (16 mm) rope
8174/U*	<b>Manual Rope Grab</b> – Stainless steel manual rope grab for use with 5/8-in. (16 mm) or 3/4-in. (19 mm) synthetic rope
8174/C	<b>Manual Rope Grab</b> – Stainless steel manual rope grab w/anti-panic feature for use with 5/8-in. (16 mm) or 3/4-in. (19 mm) synthetic rope
8175/U*	<b>Trailing Rope Grab</b> – Stainless steel trailing rope grab for use with 5/8-in. (16 mm) rope
8175/C	<b>Trailing Rope Grab</b> – Stainless steel trailing rope grab w/anti-panic feature for use with 5/8-in. (16 mm) rope

Note: Locking snap hook – 3/4-in. (19 mm) gate opening. Meets all applicable OSHA, ANSI and CSA Standards. \*Does not meet CSA requirements.

## VERTICAL LIFELINES

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
194R-2	Nylon rope lifeline with carabiner & thimble; 5/8-in. (16 mm) diameter
194R-5	Polyester rope lifeline for greater chemical resistance with carabiner & thimble; 5/8-in. (16 mm) diameter
195R-2	Nylon rope lifeline with thimbles; 5/8-in. (16 mm) diameter
195R-5	Polyester rope lifeline for greater chemical resistance with thimbles; 5/8-in. (16 mm) diameter
300L	Polypropylene blend rope lifeline with locking snap hook & loop; 5/8-in. (16 mm) diameter

## ACCESSORY ITEM

SKU	Description
913WLS/3FT	3-ft. (1 m) nylon web lanyard w/SofStop shock absorber and two locking snap hooks

Note: Locking snap hook – 3/4-in. (19 mm) gate opening. Meets OSHA, ANSI A10.32 and CSA Standards.

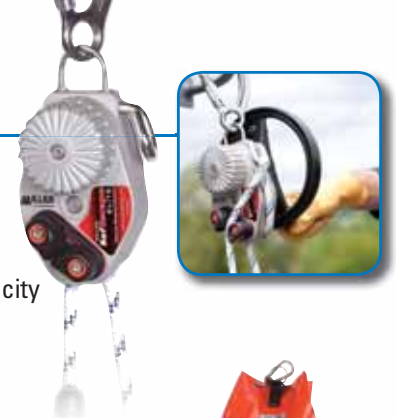




# Miller SafEscape™ ELITE RDD

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



## Miller SafEscape™ ELITE RDD Kits

SKU	Description
SECRKT/75FT*	<b>Crane Rescue Kit</b> – Kit includes Miller SafEscape ELITE RDD, rescue harness, cross-arm strap, retrieval yoke & rescue bag.
SEWPKT/75FT*	<b>Wind Energy Kit</b> – 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*	<b>Wind Energy Kit with Humidity-Resistant Storage Case</b> – 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. (15.2 m) increasing by 25-ft. (7.6 m) increments up to 300 ft. (91.4 m). Additional lengths available upon request.



## Miller SafEscape™ ELITE RDD Basic Models

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

\*Specify length – standard lengths starting at 50 ft. (15.2 m) increasing by 25-ft. (7.6 m) increments up to 300 ft. (91.4 m). Additional lengths available upon request.



## Miller SafEscape™ ELITE RDD Accessories

SKU	Description	SKU	Description	SKU	Description
SE-LB/	Ladder Bracket & Adapter	SE-BAG/M	Wind Energy Kit Rescue Bag fits M (50-ft. to 200-ft. (15.2 m to 61 m) ) lifeline	000127/300FTRD	Miller SafEscape Rescue Bag fits 275-ft. to 300-ft. (83.8 m to 91.4 m) lifeline
SE-AS/4.0FT	Anchor Sling, 4 ft. (1.2 m)	SE-BAG/L	Wind Energy Kit Rescue Bag fits L (200-ft. + [61 m] ) lifeline	17D-1	1-in. (25.4 mm) Carabiner
SE-AS/2.5FT	Anchor Sling, 2.5 ft. (.8 m)	000127/200FTRD	Miller SafEscape Rescue Bag fits 50-ft. to 200-ft. (15.2 m to 61 m) lifeline	8477H/YL	Accessory Bag
SE-ARA/	Adjustable Rope Anchor	000127/250FTRD	Miller SafEscape Rescue Bag fits 225-ft. to 250-ft. (68.6 m to 76.2 m) lifeline	000109/URB	Rescue Harness
SE-RG/	Rescue Rope Grab			8185/6FTGN	Cross-Arm Strap with Twist
SE-EP/	Edge Protector			6490RYLS/5FT	Retrieval Yoke
SE-TB/	T-bar				
SE-P/	Pulley, Aluminum				

## Miller Accessories

SKU	Description	Dimensions
700H/15INYL	<b>Tool Bucket</b> – Constructed of MillerHyde synthetic material sewn with nylon thread throughout. Bottom is molded plastic with 2-1/2-in. (64 mm) tapered molded flange up sides. Top has 3-in. (76 mm) molded plastic ring and 1/2-in. (13 mm) rope handle. Standard 4-in. x 8-in. (102 mm x 203 mm) inside pocket.	12-in. Dia. x 15-in. D (305 mm x 381 mm)
705H/YL	<b>Linemen's Tool Bag</b> – Excellent equipment bag. Lightweight, yet long-wearing and practical. Masonite bottom covered inside and out, with metal skids underneath. 22-in. (559 mm) heavy-duty zipper. Nylon thread throughout. Heavy webbing handles wrap completely around bag.	22-in. L x 11-in. W x 11-in. D (559 mm x 279 mm x 279 mm)
1018H/YL	<b>Glove Bag</b> – One-piece front and back is double stitched MillerHyde synthetic material throughout. Back stitched at corners, and leather reinforced inside and out for snap. Gusset has 4-in. (102 mm) top, tapering to 2-in. (51 mm) bottom.	18-in. L x 8-in. W (457 mm x 203 mm) For 14-in. (356 mm) length order 10-14H For 16-in. (406 mm) length order 10-16H
9H/YL	<b>Low Voltage Glove Bag</b> – One-piece front and back is double stitched, heavy-duty yellow duck. Back stitched at corners. Leather reinforced snap is sewn and riveted to bag. Stencilled "LOW VOLTAGE GLOVES."	2-in (51 mm) gusset. 6-1/2-in. W x 11-in. D (165 mm x 279 mm) For MillerHyde order 9H

# Engineered Safety at Height & Rescue Solutions

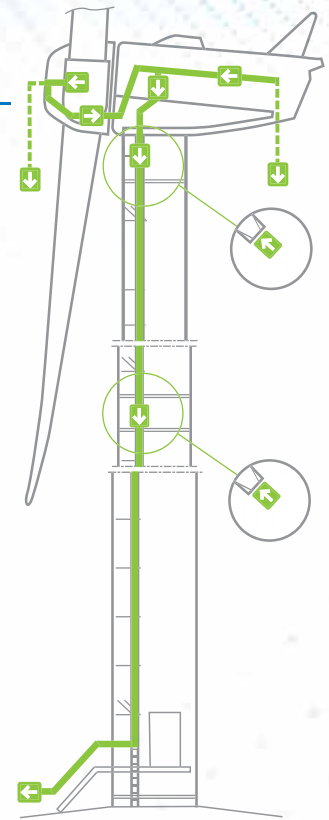
## Dedicated to the design and installation of custom-engineered safety systems

Miller Engineered Solutions offer custom designs and services that address unique structures and extreme conditions to ensure worker safety at height in any situation.

### ENGINEERED SOLUTIONS INCLUDE:

- Innovative anchorage and ladder systems
- Compliance with regional and local codes and regulations

Our qualified, licensed and experienced personnel complete all work from design and engineering to final field commissioning, in compliance with federal and local codes and regulations. All engineered solutions are in accordance with our clients' work environment, procedures and budget. The added benefits expected include a significant reduction in risk, maintaining or lowering insurance premiums, controlling worker compensation claims, regulatory compliance and ultimately, safeguarding worker safety.



## Professional Training Services

### Providing the awareness training essential for maintaining a safe work environment in the Utilities Industry

Experienced instructors provide multilingual training, live demonstrations and hands-on training while addressing site-specific variables and performance requirements of fall prevention and protection. Honeywell hosts the largest Innovation Technology and Training Center in North America.

### CUSTOM COURSES AVAILABLE:

- Wind Energy Competent Climber Training
- Wind Energy Basic Height Safety Training
- Occasional Climber
- Wind Technician Climber
- Blade Repair Technician
- Safety at Height Training
- Competent Tower Climbing
- Rope Access Rescue/Evacuation
- Climbing and Rope Access
- Hazardous Communications
- Fall Protection Competent Person
- Confined Space
- OSHA 10 hrs. and 30 hrs.
- Off-shore Rescue
- First Aid
- Hazardous Materials

*Other training programs available.*



**Register  
Online!**

[www.millerfallprotection.com/training](http://www.millerfallprotection.com/training)



# Wind Energy

## Safety at Height Solutions Products & Services

**New!**



**Miller SafEscape™ ELITE  
Rescue/Descent Device  
Pgs. IIO-III**

# Safety Challenges

## in the Wind Energy Industry

The rapidly growing Wind Energy Industry presents a variety of safety challenges for those working at heights. Whether in turbine construction, maintenance or rescue/evacuation, providing safety at height solutions that enhance worker safety, comfort, trust and increase productivity has been our expertise for over 60 years.

Honeywell takes particular pride in bringing to market innovative solutions that increase user acceptance and lower overall cost. Under the Miller® brand, the company offers engineered safety at height and rescue solutions, professional training services and the most extensive selection of fall protection equipment of any manufacturer worldwide.

With production facilities and sales offices on all major continents, the Miller brand continues to build strength as a global force by setting the standard in user-focused safety at height solutions.

### ■ PRODUCT SAFETY COMPLIANCE

- All Miller products are designed and tested by full-time qualified engineers and technicians.
- Our in-house testing facility complements independent third-party testing.
- Miller fall protection products meet all applicable OSHA, ANSI and CSA requirements and standards. In addition, CE-certified products are available. Ask for details.

### ■ QUALITY MANUFACTURING

- Our facility in Franklin, PA has been designated the Safety at Height Center of Operational Excellence in the Americas, complementing our global manufacturing network in Buenos Aires, Argentina; Hof, Germany; Jundiaí, Brazil; Partizánske, Slovakia; Shanghai, Republic of China; Tijuana, Mexico; Victoria, Australia; and Vierzon, France.
- Most facilities are ISO 9001:2000 certified – proving international recognition of our overall design and manufacturing processes.

## Wind Turbine Construction, Maintenance and Rescue/Evacuation

### Fall Arrest Considerations:

- Proper training and rescue plan development before a crisis occurs
- Reduce worker fatigue with lightweight and comfortable fall protection equipment
- Quick-operating descent devices along with self-rescue equipment
- Installation of vertical fall arrest ladder systems
- Proper fall protection when working from a ladder or service lift
- Variety of anchor points/connectors for safe access
- Vertical rope lifelines and rope grabs for special applications
- Fall protection equipment must be inspected, used, stored and maintained for proper performance – *a life may depend on it*



 Ask the Expert ...  
Ask Miller.

**800/873-5242**  
[www.millerfallprotection.com](http://www.millerfallprotection.com)



# Engineered Safety at Height & Rescue Solutions

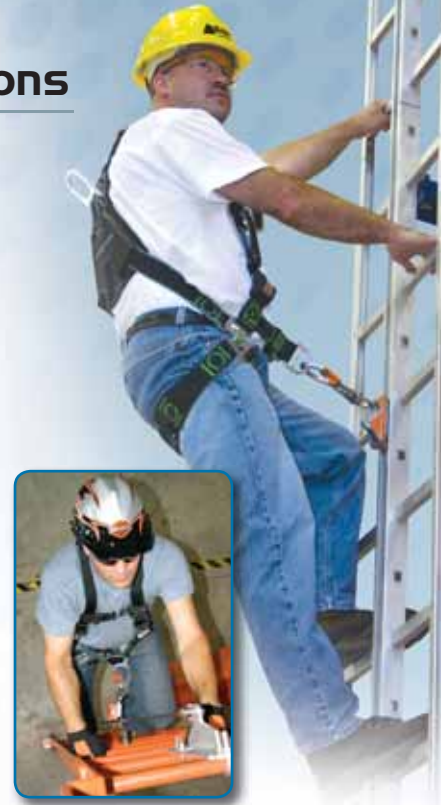
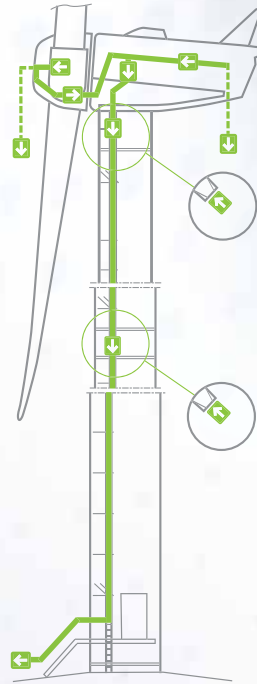
DEDICATED TO THE DESIGN AND INSTALLATION OF CUSTOM-ENGINEERED SAFETY SYSTEMS

Miller Engineered Solutions offer custom designs and services that address unique structures and extreme conditions to ensure worker safety at height in any situation.

## ENGINEERED SOLUTIONS INCLUDE:

- Innovative anchorage and ladder systems
- Compliance with regional and local codes and regulations


Our qualified, licensed and experienced personnel complete all work from design and engineering to final field commissioning, in compliance with federal and local codes and regulations. All engineered solutions are in accordance with our clients' work environment, procedures and budget. The added benefits expected include a significant reduction in risk, maintaining or lowering insurance premiums, controlling worker compensation claims, regulatory compliance and ultimately, safeguarding worker safety.



## Miller Safety at Height Training

PROVIDING THE AWARENESS TRAINING ESSENTIAL FOR MAINTAINING A SAFE WORK ENVIRONMENT

## PROFESSIONAL TRAINING INCLUDES:

- Experienced instructors
- Live demonstrations and hands-on training; multilingual training
- Addresses site-specific variables and performance requirements of fall prevention, protection, rescue and evacuation
- After successfully completing a course, each participant receives a comprehensive reference manual, certificate and wallet card
- Course structure and contents conform to emerging industry best practices
- Members of American Wind Energy Association  and European Wind Energy Association 



### **New!** Wind Energy Competent Climber Training

The Wind Energy Competent Climber Training Course fulfills the basic work at height training requirements for field technicians and engineers employed within the wind energy sector.

### **New!** Wind Energy Basic Height Safety Training

The Wind Energy Basic Height Safety Training Course is a basic work at height training for individuals who are not directly employed as wind energy engineers or technicians, but who may have an occasional need to climb a wind turbine under supervised conditions.

#### Other Wind Energy Training Programs Available:

- Climbing and Rope Access
- Rope Access Rescue/Evacuation
- First Aid
- Hazardous Materials
- Hazardous Communications
- Fall Protection Competent Person
- Confined Space
- OSHA 10 Hrs. and 30 Hrs.
- Off-shore Rescue

**Register Online!**

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# PERSONAL FALL ARREST SYSTEM

## Key System Components

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 for safety on the job site.



**A Anchorage/Anchorage Connector**

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

Anchorage Connector: Used to join the connecting device to the anchorage (Ex: cross-arm strap)

**B Body Wear**

Body Wear: The personal protective equipment worn by the worker (Ex: full-body harness)

**C Connecting Device**

Connecting Device: The critical link which joins the body wear to the anchorage / anchorage connector (Ex: shock-absorbing lanyard, (shown), or retractable lifeline, see inset)

## Miller Revolution™ Harnesses

### THE TURNING POINT IN HARNESS DESIGN

Introducing a totally new concept in full-body harness design. Miller Revolution Harnesses reinvent harness safety and functionality with features developed to meet key, user-identified needs. While exceeding worker expectations in comfort, fit, ease-of-use, style, durability, compliance, flexibility and convenience, the Miller Revolution Harness provides **over 11 key product features from a variety of unique components.**



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



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



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



**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



**Stainless steel PivotLink™**



**PivotLink™ Connection**  
Unique rotary design provides greater comfort in bending/mobility. Also available in stainless steel.



**PVC Coated D-Ring** also available (most commonly used to prevent scratching)



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

1015604



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



**PVC Coated D-Rings** also available (most commonly used to prevent scratching)



# Miller Revolution™ Harnesses with Integrated Waist Connection

**New!**



1015604

## CUSTOM DESIGNED FOR LADDER CLIMBING

### ■ FEATURES:

- 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
<b>MILLER REVOLUTION HARNESSES WITH INTEGRATED WAIST CONNECTION</b>		
1015604	Universal	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	Universal	Full-body harness with soft back lumbar back pad with side D-rings for positioning; suspension loops; belt with quick-connect buckle
070068	Universal	Hip D-ring for easy ladder climbing ( <i>does not include ladder attachment point at waist</i> )

Additional sizes available.

# Miller Revolution™ Construction Harnesses

## DESIGNED FOR TOUGH ENVIRONMENTS

Designed to meet the durability, all-day comfort and safety requirements while working at heights, new Miller Revolution Construction Harnesses offer the same key features (see page 100) that have made the original Miller Revolution Harnesses the most comfortable and user-friendly products available.



**Integrated Back/Shoulder Pad**  
New back/shoulder padding to allow optimum air flow, while providing all-day comfort, even in the shoulders when carrying a full load of tools.



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



R10CN-MB-BDP/UGN

SKU	Size	Model-Specific Features
<b>MILLER REVOLUTION CONSTRUCTION HARNESSES</b>		
R10CN-MB/UGN	Universal	Mating buckle legs
R10CN-TB/UGN	Universal	Tongue buckle legs
R10CN-MB-BDP/UGN	Universal	Mating buckle legs, removable belt, side D-rings & pad
R10CN-TB-BDP/UGN	Universal	Tongue buckle legs, removable belt, side D-rings & pad

Additional sizes available.

# Miller® Contractor Harnesses

## SPECIFICALLY DESIGNED FOR USE IN CONSTRUCTION

### ■ FEATURES:

- Lightweight for greater comfort
- Unique combination back 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
- Waist belt (removable) to accommodate tool pouches
- Rated to 400-lbs. (181.4 kg) capacity
- Meets applicable OSHA, ANSI and CSA Standards



650CN-BDP/UGN

SKU	Size	Back D-Ring	Front D-Ring	Side D-Rings	Chest Strap Buckle	Shoulder Strap Buckles	Leg Strap Buckles	Sub-Pelvic Strap	Model-Specific Features
<b>MILLER REVOLUTION CONTRACTOR HARNESSES</b>									
650CN-BP/UGN	Universal (L, XL)	Yes	Option	No	Mating	Friction	Tongue	Yes	D-ring pad / shoulder pads / pull-free lanyard rings / belt loops
650CN-BDP/UGN	Universal (L, XL)	Yes	Option	Yes	Mating	Friction	Tongue	Yes	D-ring pad / shoulder pads / pull-free lanyard rings / belt loops
650CN-QC-BDP/UGN	Universal (L, XL)	Yes	Option	Yes	Mating	Friction	Quick-Connect	Yes	D-ring pad / shoulder pads / pull-free lanyard rings / belt loops

Additional sizes available.

# Manyard® II Stretchable Shock-Absorbing Lanyards

## FEATURES:

- Contracts 6 ft. (1.8 m) to 4 ft. (1.2 m), to greatly reduce 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
- Meets all applicable OSHA, ANSI and CSA Standards



1014938

SKU	Material	Number of Legs	Harness Connection	Anchorage Connection	Special Features	Standard Length
<b>MANYARD II SHOCK-ABSORBING LANYARDS</b>						
<i>ANSI Z359</i>						
1014938	Webbing	One	Twist-lock carabiner	Locking rebar hook	Warning flag / Red core wear indicator	6-ft. (1.8 m)
219M-Z7/6FTGN	Webbing	One	Locking snap hook	Locking rebar hook	Warning flag / Red core wear indicator	6-ft. (1.8 m)
<i>ANSI A10.32</i>						
219MAL/6FTGN	Webbing	One	Aluminum locking snap hook	Aluminum locking rebar hook	Warning flag / Red core wear indicator	6-ft. (1.8 m)

Note: Twist-Lock Carabiner – 1-in. (25 mm) gate opening; Locking Snap Hook – 3/4-in. (19 mm) gate opening. Locking Rebar Hook – 2-1/2 in. (64 mm) gate opening.

# StretchStop® Lanyards w/Rescue Loops and MAX SofStop® Shock Absorber

## FEATURES:

- Rescue loops allow for quick and easy attachment to worker for ease of rescue
- MAX SofStop shock absorber pack allows a worker to anchor at the feet
- Contracts 6 ft. (1.8 m) to 4 ft. (1.2 m) to greatly reduce the chances of tripping, snagging or dragging
- Working load of 310 lbs. (140.6 kg)
- Meets all applicable OSHA, ANSI Z359 and CSA Standards

**New!**



980RSS-RR-Z7/6FTGN

SKU	Material	Number of Legs	Harness Connection	Anchorage Connection	Special Features	Standard Length
<b>STRETCHSTOP LANYARDS W/RESCUE LOOPS</b>						
<i>ANSI Z359</i>						
940RSS-RR-Z7/6FTGN	Webbing	One	Locking snap hook	Locking rebar hook	Metal Rescue Ring	6-ft. (1.8 m)
980RSS-RR-Z7/6FTGN	Webbing	Two	Locking snap hook	Two Locking rebar hooks	Metal Rescue Ring	6-ft. (1.8 m)
940RSS-RL-Z7/6FTGN	Webbing	One	Locking snap hook	Locking rebar hook	Web Rescue Loop	6-ft. (1.8 m)
980RSS-RL-Z7/6FTGN	Webbing	Two	Locking snap hook	Two Locking rebar hooks	Web Rescue Loop	6-ft. (1.8 m)

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

# Miller® Positioning & Restraint Lanyards

## FEATURES:

- Rope and web lanyards recommended for “work positioning” & “restraint” only
- Kernmantle rope offers wear resistance and bright color for visibility
- Positioning lanyard enables user to work “hands-free”
- Restraint lanyards keep user at a safe distance from edge when used properly
- Standard polyester web lanyards are economical, abrasion- and chemical-resistant; easy to clean
- Meets all applicable OSHA, ANSI and CSA Standards



1014936

**New!**

1014937

SKU	Material	Harness Connection	Anchorage Connection	Special Features	Standard Length
<b>POSITIONING LANYARD</b>					
<i>ANSI Z359</i>					
1014937	Kernmantle rope	Twist-lock carabiner	Locking rebar hook	Non-removable adj. rope grab	6-ft. (1.8 m)
<b>RESTRAINT LANYARDS</b>					
<i>ANSI Z359</i>					
1014936	Kernmantle rope	Twist-lock carabiner	Locking rebar hook	–	4-ft. (1.2 m)
226TWRS-Z7/6FTGN	Webbing	Locking snap hook	Locking rebar hook	–	6-ft. (1.8 m)
<i>ANSI A10.32</i>					
226TAL/6FTGN	Webbing	Aluminum locking snap hook	Aluminum locking rebar hook	–	6-ft. (1.8 m)

Note: Twist-Lock Carabiner – 1-in. (25 mm) gate opening; Locking Snap Hook – 3/4-in. (19 mm) gate opening. Locking Rebar Hook – 2-1/2 in. (64 mm) gate opening.



# Falcon™ Self-Retracting Lifelines

## EXTREME DURABILITY!

Nearly indestructible, the high impact-resistant nylon housing withstands the harsh rigors of the toughest applications. The lightest, most rugged line of composite retractables are available in 16- (4.9 m), 20- (6 m), 30- (10 m), 50- (15 m) and 65-ft. (20 m) lengths.

**New!**

**WEB FALCON**  
MP20P-Z7/20FT



MP50G-Z7/50FT

### FEATURES:

- Corrosion-resistant stainless steel and aluminum internal components extend service life and reduce replacement costs
- Lightest composite unit on the market – easy to handle and transport to/from job sites
- Unique side payout design reduces wear on the entry guide bushing and cable for smooth operation with less drag
- Smooth, quiet operation; engineered spring retraction tension designed not to pull or drag on a worker to improve productivity and reduce fatigue
- Built-in, ergonomically-designed molded handle on the 50- (15 m) and 65-ft. (20 m) cable units provide support and leverage when attaching to anchorage connector. Easier to install.
- Dual swivels (unit top and snap hook) included on all cable models to minimize lifeline from twisting during use
- New and improved load indicator identifies when the unit needs to be removed from service\*  
\*Cable models – on snap hook, Web models – flag on webbing
- No annual factory recertification required\* – lowers cost of ownership and increases productivity  
\*Except in Canada where the Canadian Standards Association requires annual factory recertification.
- Cable models rated to 400-lb. (181.4 kg) capacity when using a SofStop® shock absorber (928LS/181NYL)
- Web models rated for up to 400-lb. (181.4 kg) worker

SKU	Description	Weight	Dimensions (LxWxD)
<b>FALCON WEB SELF-RETRACTING LIFELINES</b>			
<b>ANSI Z359</b>			
MP16P-Z7/16FT*	16-ft. (4.9 m) web lifeline w/stainless steel swivel, carabiner & snap hook	4.1 lbs. (1.85 kg)	7.2-in. x 5.8-in. x 2.7-in. (183 mm x 147 mm x 69 mm)
MP20P-Z7/20FT*	20-ft. (6 m) web lifeline w/stainless steel swivel, carabiner & snap hook	4.2 lbs. (1.90 kg)	7.2-in. x 5.8-in. x 2.7-in. (183 mm x 147 mm x 69 mm)
<b>FALCON GALVANIZED WIRE ROPE SELF-RETRACTING LIFELINES</b>			
<b>ANSI Z359</b>			
MP20G-Z7/20FT	20-ft. (6 m) galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	8.9 lbs. (4.0 kg)	10-in. x 8.4-in. x 4-in. (254 mm x 213 mm x 102 mm)
MP30G-Z7/30FT	30-ft. (9 m) galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	10.7 lbs. (4.9 kg)	10-in. x 8.4-in. x 4-in. (254 mm x 213 mm x 102 mm)
MP50G-Z7/50FT	50-ft. (15 m) galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	14.8 lbs. (6.7 kg)	13.5-in. x 9.7-in. x 4-in. (343 mm x 246 mm x 102 mm)
MP65G-Z7/65FT	65-ft. (20 m) galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	17.1 lbs. (7.8 kg)	13.5-in. x 9.7-in. x 4-in. (343 mm x 246 mm x 102 mm)

Stainless steel wire rope models available. \*ANSI Z359 compliant for connectors which meet the 3,600 lbs. (16 kN) gate requirement.  
Note: Locking snap hook – 3/4-in. (19 mm) gate opening. Note: Locking Snap Hook – 3/4-in. (19 mm) gate opening.

# MightyLite™ Self-Retracting Lifelines

### FEATURES:

- Durable and dependable, corrosion-resistant stainless steel and aluminum housing
- No annual factory recertification required\* – lowers cost of ownership and increases productivity  
\*Except in Canada where the Canadian Standards Association requires annual factory recertification.
- Ideal for hard-to-mount locations
- Corrosion-resistant stainless steel and aluminum components extend service life
- Rated to 400 lbs. (181.4 kg) capacity when using a SofStop® shock absorber (928LS/181NBK)



RL175G-Z7/175FT

SKU	Description	Weight	Dimensions (LxWxD)
<b>MIGHTYLITE SELF-RETRACTING LIFELINES</b>			
<b>ANSI Z359</b>			
RL100G-Z7/100FT	100-ft. (30 m) galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	53 lbs. (24.0 kg)	15.75-in. x 11.75-in. x 5-in. (400 mm x 298 mm x 127 mm)
RL130G-Z7/130FT	130-ft. (40 m) galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	56 lbs. (25.4 kg)	15.75-in. x 11.75-in. x 5-in. (400 mm x 298 mm x 127 mm)
RL175G-Z7/175FT	175-ft. (53 m) galvanized wire rope (3/16-in. [5 mm]) w/tagline & carabiner	70 lbs. (31.8 kg)	15.75-in. x 11.75-in. x 7.18-in. (400 mm x 298 mm x 182 mm)

Stainless steel wire rope models available. Note: Locking Snap Hook – 3/4-in. (19 mm) gate opening.

# TurboLite™ Personal Fall Limiters

COMPACT AND LIGHTWEIGHT – ONLY 1.9 LBS.

The cost-effective and competitive pricing of the new **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.

## ■ FEATURES:

- First affordable alternative to shock-absorbing lanyards
- Extremely **compact and lightweight** (1.9 lbs. [.86 kg]) provides 6-ft. (1.8 m) working capacity lifeline; unit attaches directly to the harness back D-ring for greater mobility and versatility
- Engineered webbing for greater abrasion resistance and long service life
- Built-in swivel prevents lifeline from twisting
- High-strength, impact-resistant nylon housing for maximum durability
- Rated for up to a 400-lb. (181.4 kg) user
- Meets global standards for international companies; meets all applicable OSHA, ANSI A10.32 and ANSI Z359, and CSA Standards.

**New!**  
Never need a shock-absorbing lanyard again!



MFL-2-Z7/6FT

SKU	Description and Unit Connector	Lanyard End Connector
<b>TURBOLITE PERSONAL FALL LIMITERS</b>		
<b>ANSI Z359</b>		
MFL-1-Z7/6FT	TurboLite w/steel twist-lock carabiner	Locking snap hook
MFL-2-Z7/6FT	TurboLite w/steel twist-lock carabiner	Locking rebar hook
<b>ANSI A10.32</b>		
MFL-11/6FT	TurboLite w/aluminum twist-lock carabiner	Aluminum locking snap hook
MFL-12/6FT	TurboLite w/aluminum twist-lock carabiner	Aluminum locking rebar hook

Additional models available.

# Twin Turbo™ Fall Protection System

AN EFFECTIVE SOLUTION WHEN WORKING WITH LOW FALL CLEARANCE

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

## ■ FEATURES:

- Replacement for double-legged shock-absorbing lanyards
- **Innovative design** that easily connects to the back D-ring of any fall protection harness
- **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 of the unit
- Easy-to-use and assemble/disassemble
- Adapts to most TurboLite PFL models
- Meets all applicable OSHA 1926.502, 1910.66; ANSI Z359 and A10.32; and CSA Z259.12-01 requirements



MFLB-12/6FT

SKU	Description	Lanyard End Connector	Weight
<b>TWIN TURBO SYSTEM KITS (All kits shipped completely assembled)</b>			
<b>ANSI Z359</b>			
MFLB-3-Z7/6FT	Twin Turbo D-ring Connector & two (2) MFL-3-Z7/6FT TurboLite PFLs	Locking snap hooks	4.9 lbs. (2.2 kg)
MFLB-4-Z7/6FT	Twin Turbo D-ring Connector & two (2) MFL-4-Z7/6FT TurboLite PFLs	Locking rebar hooks	6.7 lbs. (3.0 kg)
<b>ANSI A10.32</b>			
MFLB-11/6FT	Twin Turbo D-ring Connector & two (2) MFL-11/6FT TurboLite PFLs	Aluminum locking snap hooks	4.2 lbs. (1.9 kg)
MFLB-12/6FT	Twin Turbo D-ring Connector & two (2) MFL-12/6FT TurboLite PFLs	Aluminum locking rebar hooks	5.6 lbs. (2.5 kg)



# Miller Scorpion™ Personal Fall Limiters

GREATER VERSATILITY THROUGH DUAL OPERATION

## FEATURES:

- 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
- 9-ft. (2.7 m) of working capacity
- Small, lightweight design 2.9 lbs. (1.3 kg)
- Quick-activating, high-strength stainless steel braking system
- Variety of integral anchorage connectors available
- No annual factory recertification required
- Meets all applicable OSHA, ANSI and CSA Standards



SKU	Unit Connector	Lanyard End Connector
<b>MILLER SCORPION PERSONAL FALL LIMITERS</b>		
<i>ANSI Z359</i>		
PFL-4-Z7/9FT	Carabiner & swivel shackle	Locking snap hook
PFL-9-Z7/9FT	Carabiner & swivel shackle	Locking rebar hook

**Additional models available.** Note: Locking Snap Hook – 3/4-in. (19 mm) gate opening.

# Black Rhino™ Self-Retracting Lifeline

SMALLEST AND LIGHTEST 9-FT. CABLE LIFELINE ON THE MARKET

The **Black Rhino SRL** is designed with stainless steel wire rope to endure the daily rigors of harsh environments.

## FEATURES:

- No annual factory recertification required
- Quick-activating, high-strength stainless steel braking system – arrests free falls, providing a quick, safe rescue
- Variety of integral anchorage connectors available
- 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 to 900 lbs./f (4 kN) or less for greater safety



SKU	Unit Connector	Lanyard End Connector	Length
<b>BLACK RHINO SELF-RETRACTING LIFELINE</b>			
<i>ANSI Z359</i>			
CFL-4-Z7/9FT	Stainless steel swivel & steel twist-lock carabiner	Locking, swivel snap hook with load indicator	9-ft. (2.7 m)

**Additional models available.** Note: Locking Snap Hook – 3/4-in. (19 mm) gate opening.

# Miller® 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® Temporary Anchorage Connectors



### Push-Thru Eye Bolt – 420

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. 400-lbs. (181.4 kg) max. capacity.



### Rebar Hook Anchor – 485/22INYL

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. Locking rebar hook with 2-1/2 in. (64 mm) gate opening. 400-lbs. (181.4 kg) max. capacity.



### Wire Hook – 470/

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. (181.4 kg) max. capacity.



### Cross-Arm Strap – 8183/6FTGN

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. (181.4 kg) max. capacity.



### Rebar Hook Anchor

**480-Z7/19INGN** – Designed to facilitate anchoring to scaffolding, pipe or angle iron, and 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. Locking rebar hook with 2-1/2 in. (64 mm) gate opening. Meets ANSI Z359.



### Cable Anchor – Cable Anchorage

Connectors create quick, easy and secure points of attachment. Constructed of 1/4-in. (6 mm) vinyl-coated, galvanized wire rope and a steel 3-in. (76 mm) O-ring. Standard length is 6 ft. (1.8 m); additional lengths available.

**8187V** features a forged steel, auto-lock, captive eye carabiner with 1-in. (25 mm) gate opening. **8186V** features a locking snap hook with 3/4-in. (19 mm) gate opening. 400-lbs. (181.4 kg) maximum capacity.

## Miller® Permanent Anchorage Connectors

### D-Bolt Anchors



#### 416/

D-Bolt Anchor for up to 4-in. (102 mm) working thickness includes a 5/8-in. (16 mm) diameter bolt with lock washer and nut. Stainless steel D-Bolt Anchor available (**416SS/**).



#### 417/

D-Bolt Anchor without hardware. Stainless steel D-Bolt Anchor available (**417SS/**).

### Mounted D-Ring



#### 410/

Steel D-ring with plate, complete with 4-3/8 in. (111 mm) diameter bolts, lock washers, nuts and drilling template.

## Miller® Carabiners



#### 17D-1/

Steel twist-lock carabiner; 1-in. (25 mm) gate opening. 400-lbs. (181.4 kg) max. capacity. Meets ANSI Z359.



#### 17D-2/

Lightweight, aluminum twist-lock carabiner; 1-in. (25 mm) gate opening. 400-lbs. (181.4 kg) max. capacity. Meets ANSI A10.32.

**17D-3/** – Same as 17D-2 with triple-action feature.



#### 18D-1/

Large, steel twist-lock carabiner; 2-in. (51 mm) gate opening. 400-lbs. (181.4 kg) max. capacity. Meets ANSI Z359.



#### 18D-2/

Large, aluminum twist-lock carabiner; 2-1/4 in. (57 mm) gate opening. 400-lbs. (181.4 kg) max. capacity. Meets ANSI A10.32.



# GlideLoc® Fixed Rail Ladder Climbing Systems

The innovative **GlideLoc Ladder Climbing System** can be engineered as an integral component of a new fixed ladder system, or retrofit to an existing fixed ladder. Available with a variety of accessory options to meet specific needs. Designed for ladder applications in telecommunications, utilities, industrial facilities, drilling rigs/platforms, shipbuilding, crane installation and confined space.



## ■ FEATURES:

- The only ladder system offering ergonomic support since the user can lean forward or back while ascending/descending, reducing fatigue; ideal for closed-cage environments
- Additional design components provide horizontal movements without the need to disconnect from the system
- Available in aluminum, galvanized steel or stainless steel construction



Attaches at top or bottom of rail



### Comfort GlideLoc Fall Arrester

- 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

Attaches anywhere on rail



### Universal II GlideLoc Fall Arrester

- 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

Specially-designed for highly corrosive environments



### Comfort II GlideLoc Fall Arrester

- Applications which require stainless steel components with access to the ladder for entry/exit at the **top or bottom** of the rail
- Ideal for oil exploration, petrochemical, food processing, pharmaceutical, water supply, waste water, mining and coastal applications

## SKU Description

### GLIDELOC® LADDER CLIMBING SYSTEM KIT COMPONENTS

22697/	<b>Comfort GlideLoc Fall Arrester</b> – locks into the rail in the event of a fall. Stainless steel & aluminum construction.
25805/	<b>Universal II GlideLoc Fall Arrester</b> – can be removed from the rail anywhere along the system enabling transfer onto platforms. Stainless steel & aluminum construction.
23331/	<b>Comfort II GlideLoc Fall Arrester</b> – locks into the rail in the event of a fall. Stainless steel & aluminum construction.
15729/	<b>Aluminum Vertical Rail</b> – length of 10 ft. 1 in. (3.07 m)
14622/	<b>Galvanized Vertical Rail</b> – length of 10 ft. 1 in. (3.07 m)
16852/	<b>Stainless Steel Vertical Rail</b> – length of 10 ft. 1 in. (3.07 m)
21050/	<b>Gated Top End-Stop</b> – for use with vertical rail. Allows for entering & exiting the system with GlideLoc fall arresters. Stainless steel construction.
21049/	<b>Gated Bottom End-Stop</b> – for use with vertical rail. Allows for entering & exiting the system with GlideLoc fall arresters. Stainless steel construction.
11634/	<b>Rigid End-Stop</b> – for use with vertical rail, prevents GlideLoc fall arresters from being removed from rail. Stainless steel construction.
10903/	<b>Rung Clamp</b> for diameters up to 1 in. (25 mm), galvanized
14804/	<b>Rung Clamp</b> for diameters 1 in. (25 mm) to 1-1/4 in. (32 mm), galvanized
14805/	<b>Rung Clamp</b> for diameters 1-1/4 in. (32 mm) to 1-3/4 in. (44 mm), galvanized
14809/	<b>Rung Clamp</b> for diameters up to 1 in. (25 mm), stainless steel
14813/	<b>Rung Clamp</b> for diameters 1 in. (25 mm) to 1-1/4 in. (32 mm), stainless steel
14814/	<b>Rung Clamp</b> for diameters 1-1/4 in. (32 mm) to 1-3/4 in. (44 mm), stainless steel
19091/	<b>Side Mount Clamp</b> – enables mounting rail along the side of ladder. Galvanized steel construction.
17065/	<b>Shaft Entering Device</b> – allows safe entry of a shaft such as a manhole. The prongs slip into coupling device (SKU 16191/). Stainless steel construction.
16191/	<b>Shaft Entering Coupling Device</b> – is attached to the top of GlideLoc rail to allow use of shaft entering device (SKU 17065/). Stainless steel construction.
23724/	<b>Foldable Foot Rest</b> – provides a rest platform that conveniently folds out of the way when not in use. Galvanized steel construction.

# Vi-Go™ Ladder Climbing Safety Systems

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

## Vi-Go Ladder Climbing Safety Systems offer many unique advantages:

- **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
- **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



## Vi-Go Continuous Ladder Climbing Safety Systems with Automatic Pass-Through

### FEATURES:

- **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

### 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.



Integrated stainless steel shock-absorbing element



Easy, one-hand attachment



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

## Vi-Go Ladder Climbing Safety Systems with Manual Pass-Through

### FEATURES:

- **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



# VI-GO™ SYSTEM KITS



## Vi-Go Continuous Ladder Climbing Safety System Kits with Automatic Pass-Through

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.



SKU	Length of System	Number of Cable Guides
<b>VI-GO CONTINUOUS LADDER CLIMBING SAFETY SYSTEM KITS WITH AUTOMATIC PASS-THROUGH</b>		
VG/200FT	200 ft. (61.0 m)	4
VG/250FT	250 ft. (76.2 m)	5
VG/300FT	300 ft. (91.4 m)	6

\*Other system kits are available in 10-ft. (3.0 m) increments up to 300 ft. (91.4 m), and then 50-ft. (15.2 m) increments up to 500 ft. (152.4 m) (e.g. To place an order for a Vi-Go system kit with 500-ft. (152.4 m) length cable, the model number is VG/500FT)

SKU	Description
<b>VI-GO AUTOMATIC PASS-THROUGH 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

**NOTE:** The Vi-Go Automatic Pass-Through Cable Sleeve can **ALSO** be used with the manual system.

## Vi-Go Ladder Climbing Safety System Kits with Manual Pass-Through

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
<b>VI-GO LADDER CLIMBING SAFETY SYSTEM KITS WITH MANUAL PASS-THROUGH</b>		
TRS/200FT	200 ft. (61.0 m)	4
TRS/250FT	250 ft. (76.2 m)	5
TRS/300FT	300 ft. (91.4 m)	6

\*Other system kits are available in 10-ft. (3.0 m) increments up to 300 ft. (91.4 m), and then 50-ft. (15.2 m) increments up to 500 ft. (152.4 m) (e.g. To place an order for a Vi-Go system kit with 500-ft. (152.4 m) length cable, the model number is TRS/500FT)



TRCS-C

SKU	Description
<b>VI-GO MANUAL PASS-THROUGH 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

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



# RESCUE, ESCAPE AND DESCENT SYSTEMS

## 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.

#### FEATURES:

- 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 1640-ft. (500 m) lifeline descent capacity
- Lightweight and compact design
- Optional hoisting wheel and/or ladder bracket available
- Convenient kit options available

**New!**



#### Pigtail –

Provides added descent control during rescue operations



#### Cam Cleat –

Designed for use with pigtail to lock-off device and stabilize or hold individual during rescue



#### Ladder Bracket (optional) –

Quick and easy attachment to fixed ladder rungs

#### Adjustable Rope Anchor –

Required anchorage for ladder bracket; easily adjusts

#### Carabiners –

Standard connectors on all devices. Meet all required standards globally.

#### Hoisting Wheel & Handle (optional) –

Easy grip design (foldable handle) assists with a variety of scenarios during emergency rescue

#### Bi-Directional Design –

As descent is initiated, the other end of lifeline ascends readying for another rescue

SEHWLB/50FT\*



# Miller SafEscape™ ELITE RDD Kits

## Wind Energy Kits

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



SEWPKT/300FT

SKU	Description
<b>MILLER SAFESCAPE ELITE RDD WIND ENERGY KITS</b>	
SEWPKT/300FT*	Wind Energy Kit
SEWPKTC/300FT*	Wind Energy Kit with Humidity-Resistant Storage Case

\* Specify length – standard lengths starting at 50 ft. (15.2 m) increasing by 25 ft. (7.6 m) increments up to 300 ft. (91.4 m). Additional lengths available upon request.

## Miller SafEscape™ ELITE RDD Basic Models



**Miller SafEscape ELITE RDD**  
Also includes anchor slings, and rescue bag.

SE/75FT



**Miller SafEscape ELITE RDD w/Hoisting Wheel**  
Also includes anchor slings and rescue bag.

SEHW/75FT



**Miller SafEscape ELITE RDD w/Hoisting Wheel & Ladder Bracket**  
Also includes anchor slings, adjustable rope anchor and rescue bag.

SEHWLB/75FT

SKU	Description
<b>MILLER SAFESCAPE ELITE RDD BASIC MODEL KITS</b>	
SE/75T*	SafEscape ELITE RDD
SEHW/75T*	SafEscape ELITE RDD w/Hoisting Wheel
SEHWLB/75T*	SafEscape ELITE RDD w/Hoisting Wheel & Ladder Bracket

\* Specify length – standard lengths starting at 50 ft. (15.2 m) increasing by 25 ft. (7.6 m) increments up to 300 ft. (91.4 m). Additional lengths available upon request.

## Miller SafEscape™ ELITE RDD Accessories

SKU	Description
<b>MILLER SAFESCAPE ELITE RDD ACCESSORIES</b>	
SE-LB/	Ladder Bracket & Adapter
SE-AS/4.0FT	Anchor Sling, 4 ft. (1.2 m)
SE-AS/2.5FT	Anchor Sling, 2.5 ft. (.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- to 200-ft. (15.2- 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- to 200-ft. (15.2- to 61-m) lifeline
000127/250FTRD	Miller SafEscape Rescue Bag fits 225- to 250-ft. (68.6- to 76.2-m) lifeline
000127/300FTRD	Miller SafEscape Rescue Bag fits 275- to 300-ft. (83.8- to 91.4-m) lifeline
17D-1	1-in. (25.4 mm) Carabiner
8477H/YL	Accessory Bag
000109/URB	Rescue Harness
8185/6FTGN	Looped Cross-Arm Strap Anchorage Connector
6490RYLS/5FT	Retrieval Yoke

## Miller® Universal Rescue System

SIMPLE ONE-PERSON OPERATION



The **Miller Universal Rescue System** 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.

SKU	Description
<b>UNIVERSAL RESCUE SYSTEM</b>	
70-100/100FT*	Series 70 System w/25-ft. (7.6 m) working length
70-200/200FT*	Series 70 System w/50-ft. (15 m) working length
70-400/400FT*	Series 70 System w/100-ft. (30 m) working length
70-500/500FT*	Series 70 System w/125-ft. (38 m) working length

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

# 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.



## FEATURES:

- Compact design; corrosion-resistant stainless steel construction
- Lightweight and easy to use



SKU	Description
<b>ROPE GRABS</b>	
<b>ANSI Z359</b>	
8175-Z7/	Stainless steel trailing rope grab with anti-panic feature for use with 5/8-in. (16 mm) rope
8175SLS-Z7/3FTYL	8175-Z7 with attached 3-ft. (1 m) web lanyard with locking snap hook and SofStop shock absorber
<b>ANSI A10.32</b>	
8172/U	MicroLoc stainless steel, compact, trailing wire rope grab for use with 5/16-in. (8 mm) wire rope
8173/U*	MicroLoc stainless steel, compact, trailing rope grab for use with 5/8-in. (16 mm) rope
8174/U*	Stainless steel, manual rope grab for use with 5/8-in. (16 mm) or 3/4-in. (19 mm) synthetic rope
8175/U*	Stainless steel trailing rope grab for use with 5/8-in. (16 mm) rope
8175SLS/3FTYL**	8175 with attached 3-ft. (1 m) web lanyard with locking snap hook and SofStop shock absorber

Note: Locking Snap Hook – 3/4-in. (19 mm) gate opening. \*Does not meet CSA requirements. \*\* CSA model available.

# Miller® Vertical Lifelines

Miller Vertical Lifelines are designed for use with 5/8-in. (16 mm) synthetic rope lifeline with a minimum tensile strength of 5,000 lbs. (22 kN), secured to an anchorage independent of the worker's platform. Meets all applicable OSHA, ANSI and CSA requirements.



194R-2/200FTWH

SKU	Description
<b>VERTICAL LIFELINES</b>	
194R-2/200FTWH	200-ft. (61.0 m) Nylon rope lifeline w/carabiner & thimble; 5/8-in. (16 mm) diameter
194R-2/250FTWH	250-ft. (76.2 m) Nylon rope lifeline w/carabiner & thimble; 5/8-in. (16 mm) diameter
194R-2/300FTWH	300-ft. (91.4 m) Nylon rope lifeline w/carabiner & thimble; 5/8-in. (16 mm) diameter

Additional lengths available. Note: Must specify length when ordering.

# Miller Relief Step™ Safety Device

- 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
<b>MILLER RELIEF STEP SAFETY DEVICE</b>	
9099/36BULK	36 Relief Step Safety Devices in bulk quantity

# Miller Bandit™ Tool Lanyard

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



9077/1

Lanyard conveniently attaches to the user's belt. Tools are attached with the carabiner or by cinching the cord around tool.

SKU	Description
<b>BANDIT TOOL LANYARD</b>	
9077/1	Bandit Tool Lanyard attaches to the user's belt

Miller logo, Miller, Honeywell, BackBiter, Bandit, Double D, DualTech, DuraFlex, DuraFlex Python, DuraHoist, ErgoArmor, Falcon, GlideLoc, Gravity Kills Defy It, ManHandler, Manyard, Manyard HP, Manyard II, MightyLite, Miller Black Rhino, Miller Claw, Miller Edge, Miller 5K, Miller Grip, MillerHyde, Miller MicroLoc, Miller MightEvac, Miller MiniLite, Miller Revolution, Miller SafEscape, Miller Scorpion, Miller Shadow, Miller ShadowLite, Miller TechLine, Miller T.I.P.S. Ms. Miller, PivotLink, PivotLoc, ReadyRoof, ReadyWorker, Relief Step, RoofStrider, Single D, SkyGrip, SofStop, StopFall, StretchStop, T-BAK, T-Flex, Titan, Titan WebLine, TurboLite, Twin Turbo, Vi-Go, WristBandit and Xenon are trademarks or registered trademarks of Honeywell and its affiliates.

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# SMART SOLUTIONS FOR SAFETY AT HEIGHTS

▶ Ask the Expert ... Ask Miller.

The screenshot shows the Miller website interface. At the top, there's a navigation bar with buttons for Home, About Miller, Fall Protection Products, Engineered Solutions, Training, and Other Miller Services. A search bar is visible with the text 'search ...'. Below the navigation, there are several promotional banners. The first banner is for 'Turbo Life' lanyards, featuring a red lanyard and the text 'Lanyards can let you Down!', 'MILLER Turbo Life PERSONAL FALL LIMITER', 'Is the Smart Solution', and 'Turbo Rewards FREE Product Offer'. The second banner is for 'Miller Safescape ELITE', a 'Rescue/Descent Device', featuring images of workers and the text 'NEW! Humidity-Resistant Storage Case'. The third banner is for 'Miller Sky Grip', a 'Temporary Horizontal Lanyard', featuring a blue lanyard and the text 'Now Available in Stainless Steel Construction'. At the bottom of the screenshot, there are three 'Click Here!' buttons. On the right side of the screenshot, there is a blue box with the text 'Your On-line Resource:' and a list of services: PRODUCTS, SERVICES, TRAINING, and APPLICATION SOLUTIONS.

## Your On-line Resource:

- PRODUCTS
- SERVICES
- TRAINING
- APPLICATION SOLUTIONS

# MILLER®

by Honeywell

**GET CONNECTED**  
[www.millerfallprotection.com](http://www.millerfallprotection.com)

# GRAVITY KILLS

## DEFY IT!



### MILLER® FALL PROTECTION TOTAL SATISFACTION ASSURANCE

We have been providing quality Miller brand fall protection equipment to millions of workers worldwide since 1945.

### LIMITED LIFETIME WARRANTY BACKED BY OVER 60 YEARS IN THE FALL PROTECTION BUSINESS

We sincerely believe that our fall protection equipment is the best in the world. Our products endure rigorous tests to ensure that the fall protection equipment you trust is manufactured to the highest standards. Miller fall protection products are tested to withstand normal wear and tear, but are not indestructible and can be damaged by misuse. Our Limited Lifetime Warranty does not apply to normal wear and tear or abusive treatment of the product.

In the unlikely event that you should discover defects in either workmanship or materials, under our Limited Lifetime Warranty we will repair or replace the product at our expense. If a replacement is necessary and your product is no longer available, a comparable product will be substituted. Should a product issue surface, contact us at 800/873-5242.

Manufacturing specifications are subject to change without notice.

*This equipment should only be used after reading the manufacturer's instructions. Failure to follow instructions could result in serious injury or fatality.*



by Honeywell

 **Ask the Expert ... Ask Miller.**

**800/873-5242**  
or 814/432-2118

Fax **800/892-4078**  
or Fax 814/432-2415

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