MILLER®

MILLER REVOLUTION™ HARNESS

Instruction and Use Manual

I239
Rev 1.0

Thank you for purchasing the Miller Revolution Harness. The Revolution is an all new and totally innovative harness engineered with seven (7) unique components and more than eleven (11) key product features. Your Miller Revolution harness was engineered to meet or exceed all applicable OSHA, ANSI and CSA requirements and standards. Please carefully read the new Miller Harness Instruction manual to help you identify all of the various general warnings, inspection procedures and other helpful information.

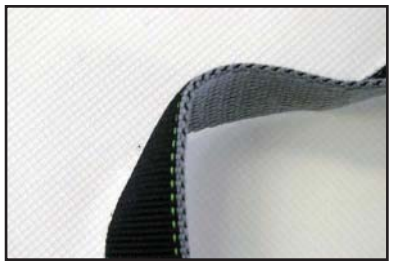
Please carefully read this supplemental Revolution Instruction manual. It contains special instructions, inspections and maintenance procedures that are unique to the Revolution Harness product line. Should you have any questions about your Miller Revolution Harness, please contact the Miller Customer Service at 800-873-5242.

Preparing your harness for use:

- Before you don (wear) the harness, you must read and understand the Miller Harness Instruction manual.
- Although your harness is "ready-to-use," sizing it the first time will require some adjustments to ensure proper fit.

Miller Revolution Key Features

DualTech™ Webbing
Miller's new DualTech Webbing makes donning easy with two-sided contrasting colors and textures. The webbing is engineered with a shape-retention memory for a more comfortable fit. In addition, the black outside and grey colored inside make identifying twisted straps when donning the harness easier.



Cam Buckle
The Cam buckle allows easy one-hand adjustment and release of shoulder straps. Their non-slip design promotes proper snug fit of the harness, and allows for easy adjustment to accommodate seasonal clothing.

Self-Contained Label Pack
The new self contained label pack encapsulates labels minimizing damage and loss. It is conveniently located on the chest for easy access, and it incorporates integrated pull-free lanyard rings for securing lanyards when not in use.

Stand Up D-Ring
Spring loaded D-Ring simplifies snaphook connection.

Do not apply lubricants to the spring mechanism. If dirt begins to collect inside the mechanism, use compressed air, a soft brush and/or warm water with a mild detergent to clean it.

ErgoArmor™ Back Shield
Semi-Flexible ErgoArmor back shield minimizes impact from sharp/heavy snap hooks and self-retracting lifelines.

The back shield also provides two locations for custom labels. The left for a company label, and the right for a high visibility individual worker identification label. Both may be purchased separately. Please contact your sales person or Miller customer service for more information on company specific ID.

Web Finials
Web Finials on all adjustable webbing ends provide a gripping surface for easier adjustment, in addition to providing a way to secure and organize the loose webbing with the integrated clip.

PivotLink™ Connection
The PivotLink connection allows you a greater freedom of movement while wearing your harness than was previously available. By pivoting at the hip, there's no pulling or tugging when you bend. The PivotLink is designed to be "self-cleaning," but if dirt or debris begins to collect inside of the metal, use compressed air, a soft brush and/or warm water with a mild detergent to clean it. Check for free movement and make sure the PivotLink does not bind. Do not apply lubricants to the PivotLink mechanism.

Integrated Accessory System
The integrated modular accessory system provides a wide variety of options for attaching belts, tools, and accessories to your Revolution harness.

DONNING THE REVOLUTION WITHOUT BELT

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

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

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

4. Pull buckle portion of leg strap between legs and connect to opposite end of leg strap. Repeat with second leg strap.

5. Connect chest strap. The shoulder strap retainer (chest strap) must be positioned in the mid-chest area 6” to 8” below the trachea but not below the sternum. Fasten securely to keep shoulder straps taut.

6. After all straps have been buckled, tighten webbing so that harness fits snug, but allows full range of movement. To maximize comfort, be sure to adjust the harness so that the PivotLink centers are just outside of your hipbone.

7. To remove harness, release quick connect or tongue buckles.

8. Miller Fall Protection recommends hanging the harness by back D-ring to help it keep its shape when not in use and provide the worker with a starting point when next attempting to put the harness on.

DONNING THE REVOLUTION WITH BELT

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

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

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

4. Attach integral waist belt. Connecting belt first ensures Pivot Link is in the proper location.

5. Pull buckle portion of leg strap between legs and connect to opposite end of leg strap. Repeat with second leg strap.

6. Connect chest strap. The shoulder strap retainer (chest strap) must be positioned in the mid-chest area 6” to 8” below the trachea but not below the sternum. Fasten securely to keep shoulder straps taut.

7. After all straps have been buckled, tighten webbing so that harness fits snug, but allows full range of movement. To maximize comfort, be sure to adjust the harness so that the PivotLink centers are just outside of your hipbone.

8. To remove harness, reverse procedure.

9. Miller Fall Protection recommends hanging the harness by back D-ring to help it keep its shape when not in use and provide the worker with a starting point when next attempting to put the harness on.

Steps for ensuring a snug fit

The upper part D-ring pad (gray mesh) should be located approximately one (1) inch below the neckline. (This should position the back D-ring in between the lower part of the shoulder blades.)

Correct adjustment of the back D-ring pad will allow shoulder strap webbing (and optional pads) to be located further away from the neck.

Adjusting Cam Buckles

1. Unclip the web end finial from the webbing.

2. Slide any webbing keepers away from the buckle.

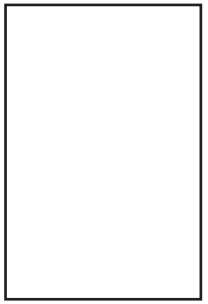
3. Pull webbing away from the buckle (upward) to adjust tighter.

4. Reposition keepers and web end finial.

Connecting Accessories

1. Locate the figure “8” shaped composite attachment clip on the back of the accessory.

2. Identify the green button attachment point on the belt or harness that will be used.



3. Place the widest end of the figure “8” over the green connection button.

4. Push the accessory downward until you feel it snap into place.

5. To remove, reverse procedure by gripping 1” loop and pulling upward.

Miller integrated accessories have a weight limit of 25 lbs. when connected via the composite link. For loads heavier than 25 lbs., connecting to a belt via the tunnel loop is recommended for more even weight distribution. **The combined weight of the harness user, and all attached tools and accessories should not exceed the maximum capacity of the fall protection system being used.**

Installing attachment points to belts.

To install the belt attachment clip onto a belt, Make sure the smaller circle of the figure “8” shape is at the top and to the inside, then slide onto belt.

To install the belt attachment clip onto a belt, simply slide on to the belt.

Cell Phone Holders
(two sizes)

Open End Pliers & Tool Holder

Zippered Cylindrical Utility Pouch

Multi-pouch Tool Bag

Hammer Holder

Water Bottle Holder

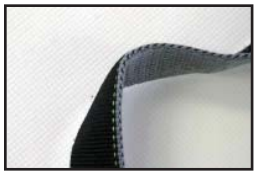
2 Pocket Nail & Tool Pouch

Open Bolt and Bull Pin Bags

For more information or to purchase accessories, contact your Miller distributor or Miller Customer Service at 1-800-873-5242.

Materials Specific to the Revolution Harness

PivotLink:
Aluminum, Polyproplyene, Stainless Steel



TechWeb:
Polyester, Nylon

Label Pack:
Polyproplyene, Santoprene

Pads (Belt, Shoulder, Back):
Polyester, Nylon

Stand-up D-Ring Assembly:
Steel, Stainless Steel, Santoprene and Polyethylene Blend, Nylon

Cam-Buckle:
Polyester, Nylon

NOTES / NOTAS / NOTES

Miller Fall Protection
Franklin, PA USA

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