

Important Safety Information for Users of

Bashlin Aerial Self-Rescue Devices Suspension Trauma Relief Products Bucket Rescue Kits



- WARNING -



For your personal safety, this booklet must be read and all of the information completely understood before using these products.



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Se hable Espanol, (Para una versi3n espanola de este folleto de la seguridad, contacta las Industrias de Bashlin S.a. por favor.)

Nous parlons Franais (Pour une version franaise de ce livret de s3ret3, contacter les Industries de Bashlin Inc s'il vous pla4t.)

Other languages upon request.

Scan Codes for Videos



Bashlin Para-Pak



Bashlin FE700
Series Aerial
Self-Rescue Kits



Bashlin 700
Series Bucket
Rescue System

Important Safety Information

This information is intended for the use of the products indicated. It must be included with the product, read and understood by the user prior to placing this product into service. This equipment is to be used by properly trained, professional workers. The information in this booklet, manufacturer's demonstrations, sales seminars, catalog information or other promotional materials may be a part of but does not constitute proper or complete training in the use of these products.



- WARNING -



Lack of proper training or the incorrect use and/or abuse of these products may cause accidents, injury or death.

The user must inspect this equipment before each use. Any equipment found to be worn out, damaged, subjected to shock load or in any way questionable, must immediately be removed from service or accident, injury and even death could result. Specific guidelines for inspection are included in this information booklet.



- WARNING -



Bashlin equipment must not be altered. Do not remove product labels. Altering or modifying these products voids all warranties, may affect performance, and could cause accident, injury or death to the user.

Applicable Standards for Bashlin Personal Fall Protection Equipment

Bashlin Personal Fall Protection includes harnesses, lanyards, belts, and anchors. They are manufactured in accordance to the appropriate OSHA, ASTM and ANSI standards. These products may be 3rd-party tested for certification of the specific standard that is marked on the product. Please contact us if you have any questions.



- WARNING -



Shock loading is extremely damaging to climbing equipment. OSHA Standards require that any harness, lanyard, anchorage, or belt that has been shock loaded must be removed from service.



- WARNING -



Exposing the equipment to chemicals may produce a harmful effect. Avoid using the equipment around moving machinery, electrical hazards, sharp edges or abrasive surfaces.

Bashlin Para-Pak General Information

These products are designed to allow the worker to safely evacuate an elevated work platform or perform self-rescue after an arrested fall.

Bashlin Para-Pak Rescue Systems are self-contained kits that include an anchor carabiner, a descent device with carabiner, 65' of tubular aramid fiber, an arc flash tested line cartridge, and durable storage bag or arch flash tested pouch. A web ladder is included in the SR700XPL kit.

Determine which system best suits your needs and follow the directions for the specific device or situation.
Kits with longer line are available upon request.

Para-Pak Self-Rescue from Aerial Lift or Elevated Platform

This system provides a means of egress from an elevated work platform or disabled aerial lift. This device is stored in a durable storage bag that can be hung easily in a bucket or work area (SRPACK), or worn on the back of a compatible full body harness in an arc flash tested pouch (SR700XP).



Para-Pak Self-Rescue After an Arrested Fall

The SR700XPL with web ladder is attached to the back of a compatible full body harness and will allow the worker to safely evacuate an elevated work platform or aerial lift.

The worker will also have the ability to perform self-rescue and mitigate the negative and potentially fatal effects of suspension trauma if left suspended in an upright position after an arrested fall.



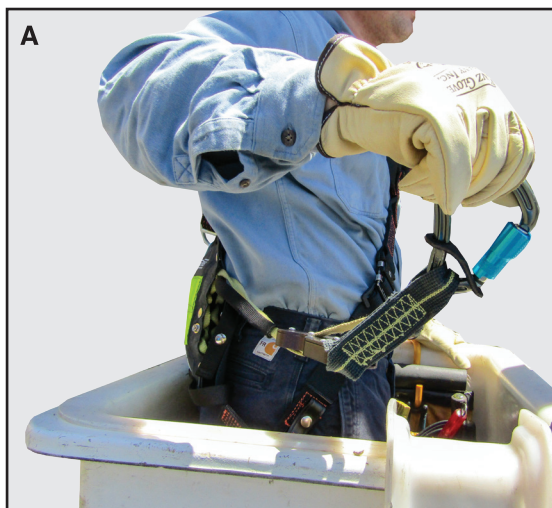
- WARNING -



**USE OF THESE PRODUCTS WITHOUT PROPER TRAINING
COULD RESULT IN SERIOUS INJURY OR DEATH.**

Using the SR700XP Self-Rescue System

1. Reach back and pull the exposed carabiner to remove the descent device from the storage pouch that is attached to the back of your harness. If the device is hanging in a bag in the bucket, open the bag and remove the descent device **(A)**.



2. Connect the carabiner attached to the yellow descent line to the approved anchor point on the aerial platform or lift and verify proper connection **(B)**.

3. Connect the captive eye carabiner on the descent device to the front rescue loop or rappel loops on your full body harness **(C)**.



- WARNING -



Verify all connections before proceeding.

4. Maneuver yourself to the point where you will make your descent, verify all connections and make sure your path of descent is free of hazards and obstructions (D).



5. Disconnect your fall arrest lanyard and carefully climb out of the bucket while keeping a firm grip on the bucket (E).
6. When you are outside of the bucket keep your knees close to the bucket and slowly let yourself down into the device until your full body weight is supported by the descent device (F).



- WARNING -



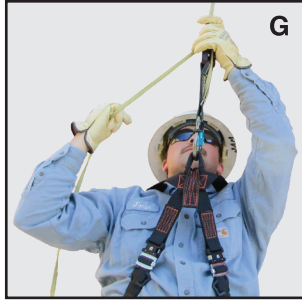
**USE OF THIS DEVICE WITHOUT PROPER TRAINING
COULD RESULT IN SERIOUS INJURY OR DEATH.**

OPTIONAL D.A.D.

Directional Altering Device
Used to help maintain descent line
orientation on the bucket or work platform.



7. Grasp the descent device in one hand and the yellow descent line in the other hand (G).



8. Gently squeeze the RED lever on the descent device while keeping a hand on the yellow descent line. Let the yellow descent line slowly pass through the descent device while keeping it in a horizontal position (H).

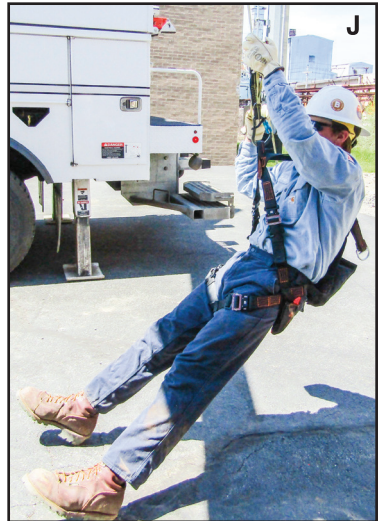


- CAUTION -



Control your rate of descent by keeping light pressure on the yellow descent line. Release the RED lever to stop your descent.

9. Pull more line from the pouch as needed to continue your descent (I).
10. Continue your descent until you are close to a sitting position on the ground. Then stand up and disconnect the descent device from your harness (J).

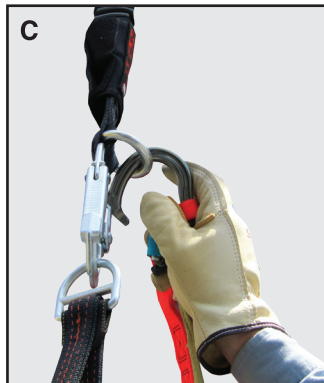


Before the Para-Pack Self-Rescue Device is put back into service, it must be carefully inspected and repacked (Pages 9-11).

Using the SR700XPL Self-Rescue System After an Arrested Fall

A full body harness with an extended back attachment with a D-Ring (683XC) and a shock absorbing lanyard with an O-Ring (SR2804-5.5HL) is required for attachment of rescue system.

1. After an arrested fall, locate the O-Ring near the snap hook on the shock absorbing lanyard and position it so it stands away from the lanyard webbing. It will be above your head **(A)**.
2. Remove the descent device and web rescue ladder by pulling the exposed carabiner out of the rescue pack attached to the back of your full body harness **(B)**.
3. Connect the carabiner with the orange web ladder to the O-Ring on the shock absorbing lanyard and verify connection. It will be above your head **(C)**.
4. Carefully step into the orange web ladder to help alleviate pressure on the legs and mitigate the negative effects of suspension trauma. You can rest here and wait for help or continue on with the self-rescue process **(D)**.



5. Connect the captive eye carabiner on the descent device to the front rescue loop or rappel loops on your full body harness (E).



 **- WARNING -** 
Verify all connections
before proceeding.

6. Step up the web ladder until you have slack between the back attachment on your harness and your lanyard, then carefully disconnect the lanyard from the D-Ring on the safety harness (F)(G).
7. Carefully step down the web ladder until all of the slack is removed from the descent line and your full body weight is supported by the descent device. You can rest here and wait for help or continue with the self-rescue procedure (H).



8. Grasp the descent device in one hand and the yellow descent line in the other hand (I).



9. Gently squeeze the RED lever on the descent device while keeping a hand on the yellow descent line. Let the yellow descent line slowly pass through the descent device while keeping it in a horizontal position (J).



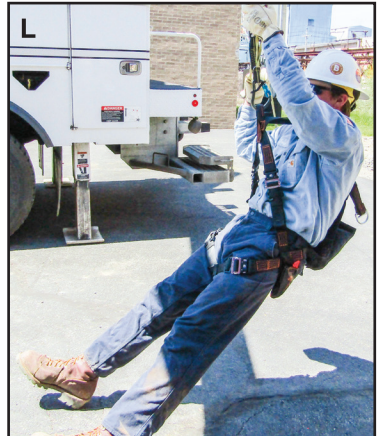
! - CAUTION - !

Control your rate of descent by keeping light pressure on the descent line. Releasing the RED lever will stop your descent.

10. Pull more line from the pouch as needed to continue your descent (K).



11. Continue your descent until you are almost in a sitting position on the ground. Then stand up and disconnect the descent device from your harness (L).



Before the Para-Pack Self-Rescue Device is put back into service, it must be carefully inspected and repacked (Pages 9-11).

Inspecting the Para-Pak Rescue Systems



Inspection Criteria

Carefully inspect for the following:

- Cuts, abrasions, burns or extreme wear to the Kevlar line.
- Loose or cut stitches at either end of the line.
- Deformation, signs of wear, or corrosion to carabiners or descent device.
- Carabiners should open easily and close automatically and completely.
- Cuts or tears in the storage bag or storage pouch.



- WARNING -

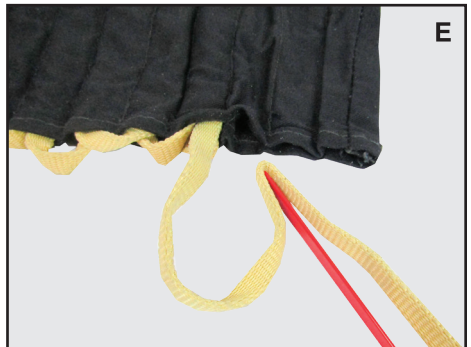
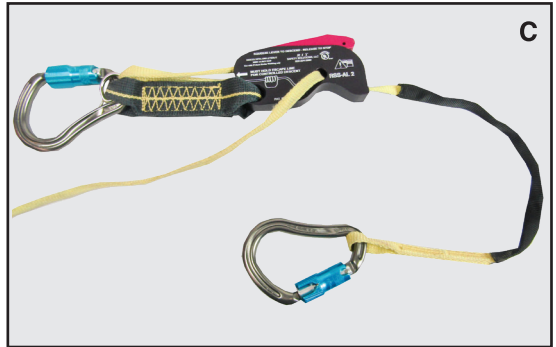


Any product showing signs of excessive wear or damage must be **REMOVED FROM SERVICE IMMEDIATELY.**

Repacking the Para-Pak Self-Rescue System

Gather all components of the Para-Pak and place them on a clean flat surface and remove the line cartridge from storage pouch.

1. Pull the yellow line back through the descent device. Doing this a few feet at a time will make it easier **(A)**.
2. Take up slack by pulling the yellow line where it comes out from the side of the descent device **(B)**.
3. Continue steps 1 and 2 until the anchor carabiner is about 24" from the descent device **(C)**.
4. Fold the yellow line so that it is about 1/2" longer than the storage cartridge **(D)**.
5. Place the packing rod in the bend of the yellow line and push into open cylinder **(E)**.
6. Continue steps 4 and 5



Each cylinder will hold 2-3 folds depending on overall length of device.

until most of the yellow line has been packed into the line cartridge (F).

7. Fold the descent device in half with the captive eye carabiner on top and place it on the line cartridge (G).
8. Fold the line cartridge around the descent device and anchor carabiner to hold the components in place (H).
9. Slide the folded line cartridge into the arc tested pouch and secure inside with hook and loop strip. Secure the anchor carabiner that is attached to the yellow line between the snaps for easy access (I).



The Para-Pak Self-Rescue System is now ready to be placed into service.

FE700SRKSC Self-Rescue System



FE700SRKSC Self-Rescue System

The FE700SRKSC is designed to allow the worker to safely evacuate an aerial lift device or elevated work platform.

The standard kit includes 50' of 7/16" Yale Polydyne Rope, a carabiner for anchorage, a DSD 30 Double Stop Descent Device with carabiner, a pair of FE1990-22 rappel loops, and a durable storage bag.

Longer length rope is available upon request.
A Boom Mount kit is available as well #FE700BMSRSC.

⚠ - WARNING - ⚠
**USE OF THIS PRODUCT WITHOUT PROPER TRAINING
COULD RESULT IN SERIOUS INJURY OR DEATH.**

Using the FE700SRKSC Self-Rescue System

1. Reach into FE700SRKSC storage bag that is hanging in the bucket and remove the descent device (A).
2. Attach the end of the rope to the approved anchor point using the double locking carabiner (B).
3. Connect the descent device to the rescue loop or loops on the front of your harness. (C).
4. If you do not have a front attachment point or rescue loops, you will need to use the two rappel loops included in the rescue kit (D).

See page 15 To install Rappel Loops.

! - WARNING - !
Verify all connections
before proceeding.



5. Make sure your path of descent is clear of any hazards or obstructions and throw the orange rope bag containing your descent line to the ground. Make sure there are no knots in the line.
6. Disconnect your fall arrest lanyard and carefully climb out of the bucket while keeping a firm grip on the bucket (E).
7. When you are outside of the bucket keep your knees close to the bucket and slowly let yourself down into the device until your full body weight is supported by the descent device (F).
8. Grasp the descent device in one hand and the rope in the other hand and gently squeeze the handle until the rope moves slowly through the device. Control your rate of descent by keeping light pressure on the rope as it moves through the descent device. (G).
9. Continue your descent until you are close to a sitting position on the ground. Then stand up and disconnect the descent device from your harness.

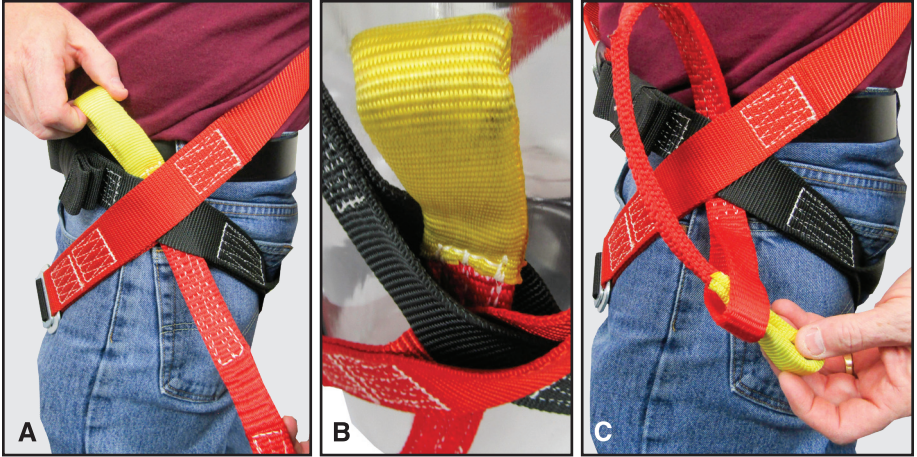


- CAUTION -



Control your rate of descent by keeping light pressure on the rope. If you squeeze the handle all the way the device will not allow the rope to move. If you let go of the device the rope will not move.

Attaching Rappel Loops to Full Body Harness



1. Slide the yellow loop between the first and second layers of webbing where they cross at the hips **(A) (B)**.
2. Pass the yellow loop through the orange loop **(C)**.
3. Pull the yellow loop through the orange loop “hitching” the rappel loop to the harness. Do this for both sides of the harness **(D)**.
4. Bring the two yellow loops together and connect them to the descent device **(E)**.

Verify both rappel loops are securely connected to the harness.



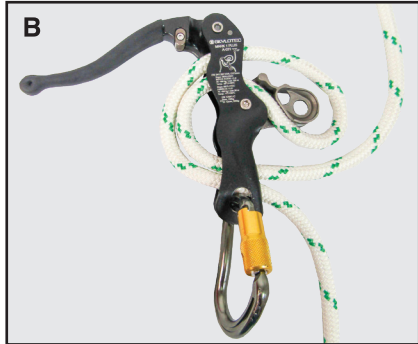
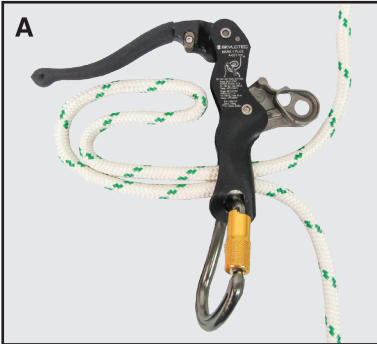
How to Properly Install the Descent Device on the FE700SRKSC Self-Rescue System



- WARNING -



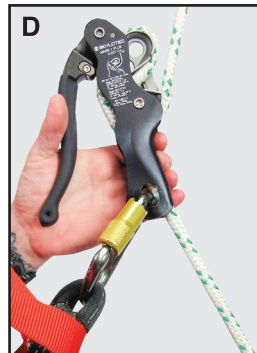
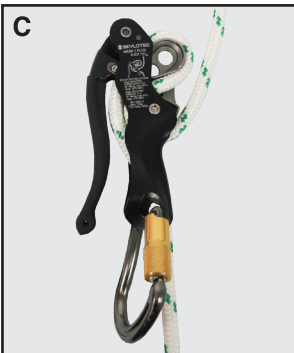
INCORRECT RIGGING COULD RESULT IN INJURY OR DEATH.



1. Open the handle, draw the pivot pulley out of the device and push a loop of rope between the carabiner and pivot pulley. **(A)**.

DO NOT TWIST ROPE.

2. Pull the rope between the handle rivet and the pivot pulley, then loop the rope over the pivot pulley. The rope must go **AROUND** the pulley and jamming cleat beside the pulley. **(B)**.
3. Push the pivot pulley back into the device, verifying the rope is not twisted and is completely around the pivot pulley **(C)**.
4. Place tension on the device to check operation **BEFORE** allowing it to support your body weight. **(D)**.



- WARNING -



PROPER TRAINING IS REQUIRED BEFORE USING THIS DEVICE.

Inspecting and Repacking the FE700SRKSC Self-Rescue System

Carefully inspect for the following:

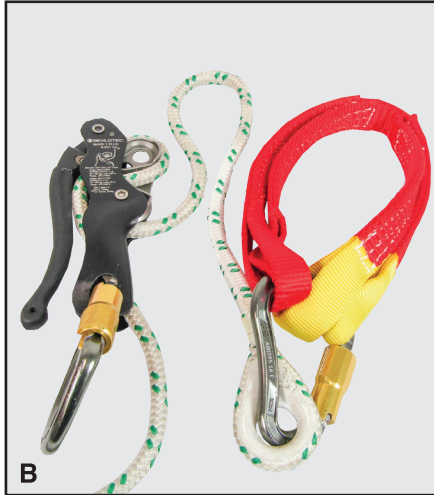
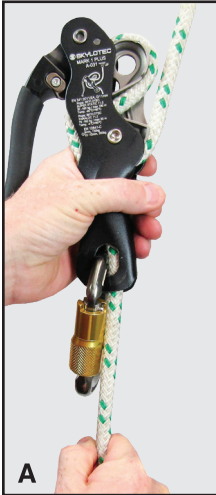
- Cuts, abrasions, burns or extreme wear to the rope.
- Deformation, signs of wear, or corrosion to carabiners or descent device.
- Carabiners should open easily and close automatically and completely.
- Rappel loops are free of cuts and stitching is intact.



- WARNING -



Any product showing signs of excessive wear or damage must be **REMOVED FROM SERVICE IMMEDIATELY.**



1. Place one hand between the lever and the body of the descent device and pull the rope back through the device until the anchor carabiner is about 24" from the descent device **(A)**.
2. Keep rappel loops secure by attaching them to the anchor carabiner **(B)**.
3. Return the rope to the storage bag by pushing the rope back into the bag starting with the end opposite the anchor carabiner. Place the anchor carabiner, descent device, and rappel loops on top and close the bag **(C)**.

DO NOT COIL THE ROPE.

Bashlin REST Series Relief from Suspension Trauma



After an arrested fall the worker is left suspended in an upright position.

Remaining in this position can result in pressure on major arteries and excess accumulation of blood in the legs. The reduced blood circulation throughout the body can result in a condition called Suspension Trauma. The effects of this can cause fainting, loss of consciousness, organ failure and possibly DEATH. Environmental pressures and increased stress on the body can accelerate the effects of Suspension Trauma.

The Bashlin REST Series products are designed to help mitigate the negative effects of suspension trauma after an arrested fall. These products can help the user situate themselves into a safer position that can help improve blood circulation while the worker is awaiting rescue.



- WARNING -



PROPER TRAINING IS REQUIRED BEFORE USING THESE PRODUCTS.

Bashlin RESTEP Suspension Trauma Device

Bashlin's RESTEP is designed to help reduce the negative and potentially fatal effects of Suspension Trauma associated with a worker being left suspended in an upright position as a result of an arrested fall.

The RESTEP is simple to attach to most H-Style and X-Style full body harnesses. The device is easily repacked for inspection purposes or after use.

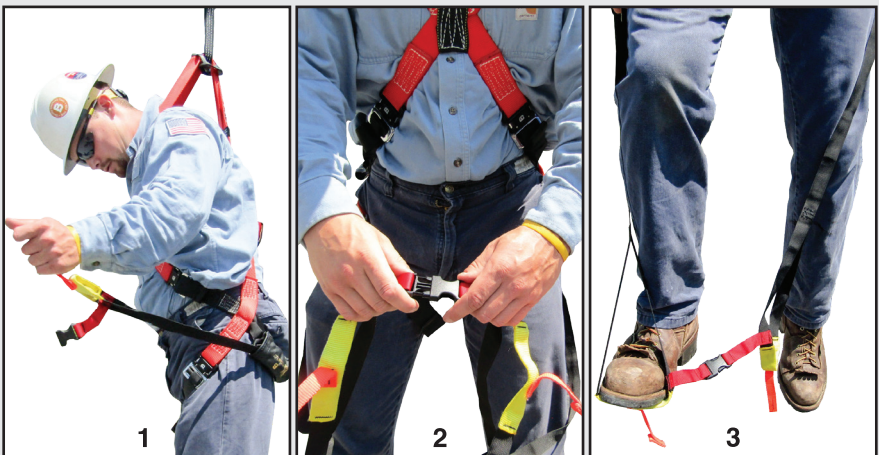
Installation Instructions:

- (1) Choke the RESTEP onto a harness where leg strap and seat intersect.
- (2) Secure pouch using the hook and loop strap.



Deployment Instructions:

- (1) Deploy by pulling on the orange tabs on both pouches to expose trauma straps.
- (2) Connect red webbing together using the quick connect buckle.
- (3) Place feet into the foot loops provided.



Deployment Instructions (Continued):

(4) Adjust by bending the knees and pulling down on the adjustment strap. (5) Extend legs as if standing to relieve pressure created by the leg straps of the harness. Relax and exercise legs to help blood circulation until help arrives.



Inspection and Repacking Instructions:

Inspect webbing for cuts, tears or abrasions. Make sure quick connect buckle functions properly. Immediately remove from service if damaged or non-functional.

(1) Fan-Fold leg straps just a bit shorter than storage pouch. (2) Slide folded leg straps into pouch making sure to leave the Hi-Vis orange pull tab sticking out. (3) Close pouch using the hook and loop closures in pouch.



If you have any questions about compatibility to a specialty or specific style of harness please contact us.

Bashlin REST-SR Suspension Trauma Relief Ladder

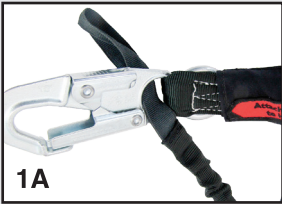
The Bashlin REST-SR Suspension Trauma Relief Ladder is designed to help minimize and alleviate the damaging and potentially fatal effects of Suspension Trauma when a worker is exposed to an arrested fall and left suspended in a upright position.

The REST-SR is adjustable to be easily secured to most 4' to 6' shock absorbing lanyards and will start to deploy if the worker should fall.

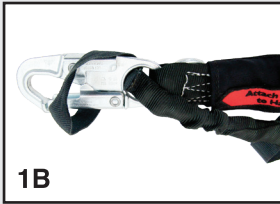


Installation Instructions:

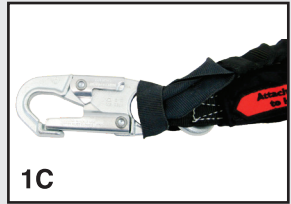
(1A) Push deployment strap through eye of snap hook that attaches to back attachment of harness. **(1B)** Pull deployment strap over snap hook. **(1C)** Choke snug. **(2A)** Push yellow anchor loop through eye on snap hook that will attach to your anchor point. **(2B)** Pull yellow loop over snap hook. **(2C)** Choke snug. **(3)** Adjust deployment strap to the correct length using silver friction adjuster and secure with the hook and loop straps provided. **(4)** Secure ladder pouch to lanyard with the 3 hook and loop attachment points.



1A



1B



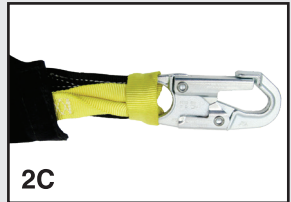
1C



2A



2B



2C



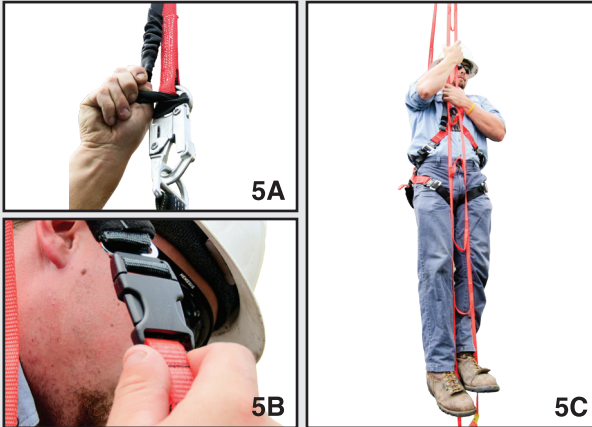
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4

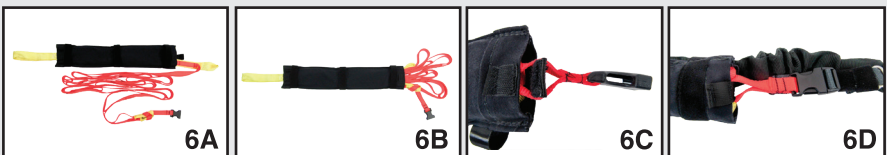
Deployment Instructions:

(5A) Reach up and grab the deployment strap. Ensure that the ladder is fully deployed by pulling down on the strap. **(5B)** Disconnect the ladder from the deployment strap by releasing the quick release buckle and let the ladder hang freely. **(5C)** Step into ladder by placing a foot in the foot loops and step up to a standing position. Continue to exercise legs to help keep blood flowing until help arrives.



Inspection and Repacking Instructions:

(6A) Remove the REST-SR from your lanyard and disconnect the pull strap. Inspect webbing for cuts, tears, or abrasions. Make sure quick release buckle functions properly. Immediately remove from service if damaged or non-functional. **(6B)** Remove any twists in the ladder itself. Fan fold the ladder just a little shorter than ladder pouch. **(6C)** Slide ladder into pouch until only the orange eye with the quick release buckle is sticking out. Secure hook and loop closure through eye of orange loop. **(6D)** Connect deployment strap to ladder buckle, adjust deployment strap length if needed.



If you have any questions about compatibility to a specialty or specific style of harness or lanyard please contact us.

Bashlin REST Ladder Suspension Trauma Device



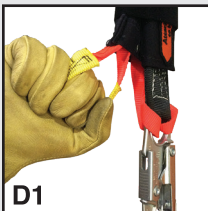
Bashlin's REST Ladder is designed to mitigate the debilitating and potentially fatal effects of suspension trauma. Simple in concept, it secures to the back attachment of the worker's harness for easy access and deployment.

D-Extension Installation	D-Ring or Nylon Loop Installation
<p>Pull the Anchor Loop into the D-Extension (1).</p> <p>Pull the ReST through the Anchor Loop, choking it onto the small D-Ring (2).</p> <p>Secure the unit to the extension with the hook and loop material (3).</p>	<p>Place the Anchor Loop into the slot of the D-Ring or into the web loop (1).</p> <p>Pull the REST through the Anchor Loop, choking it onto the D-Ring or web loop (2).</p> <p>Secure the REST to the front of the harness with the Yellow Ladder Handle within easy reach. (3).</p>

Deployment Instructions:

The deployment is the same for both units.

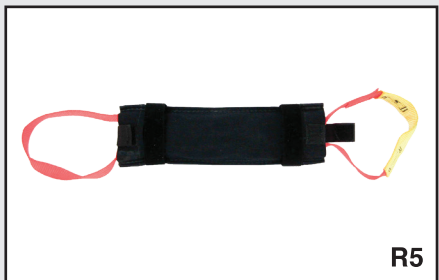
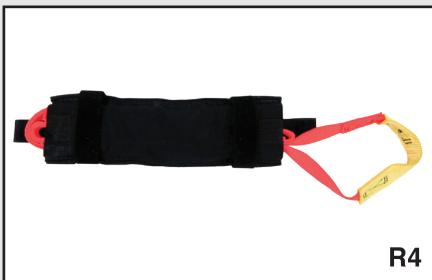
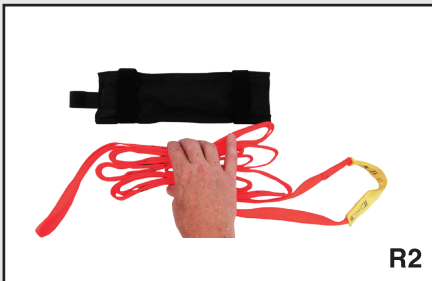
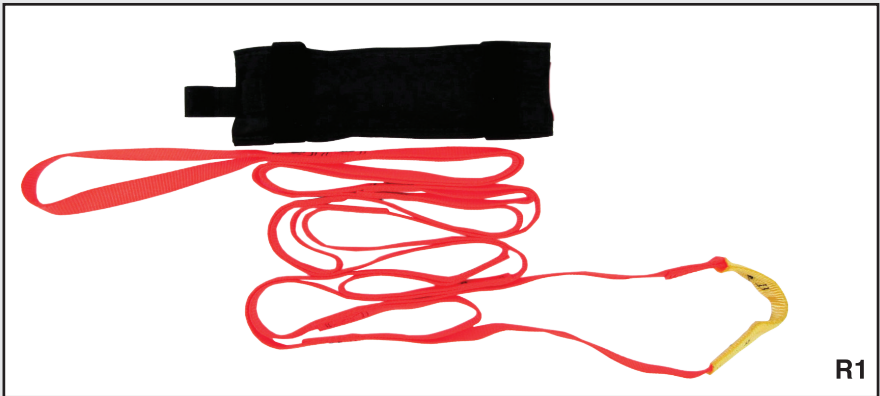
- (D1) Pull the Yellow Ladder Handle. (D2) Extend the ladder completely.
- (D3) Stand on the ladder. (D4) Continue standing on the ladder, alternating legs to encourage blood flow until help arrives.



Inspection and Repacking Instructions:

Inspect webbing for cuts, tears or abrasions.
Immediately remove from service if damaged.

- (R1)** Completely extend the ladder to remove all twists. Open the hook and loop straps on the cover. **(R2)** Begin to fold the ladder beside the cover to verify the folded length ladder is correct. Leave the Anchor and yellow Ladder Handle extending beyond the folds.
- (R3)** Starting with the anchor loop first slide the folded pack into the cover. **(R4)** Connect the hook and loop inside the Anchor Loop. **(R5)** Connect the hook and loop inside the yellow Ladder Handle. It may be necessary to force the ladder into the cover to connect the hook and loop.



Bashlin 700FP Boom Mount and 700FWI Truck Mount Bucket Rescue Systems

The 700FP Boom Mounted and 700FWI Truck Mounted Bucket Rescue Systems are designed to help remove an injured or unconscious worker from an aerial lift bucket.



- WARNING -



PROPER TRAINING IS REQUIRED BEFORE USING THESE PRODUCTS.



The 700FP attaches semi-permanently to the boom with a ratcheting boom strap. This kit includes two corrosion resistant blocks with nylon sheaves, 75' of twisted 3/8" polyester rope, and a double locking steel carabiner. The kit is stored in a weather resistant bag.



The 700FWI is stored in a weather resistant canister that can be mounted directly to the truck body. This kit includes two corrosion resistant blocks with nylon sheaves, 75' of twisted 3/8" polyester rope, a double locking steel carabiner and snap hook, and a ratcheting boom strap with a steel D-Ring for attaching the rescue blocks.

Before installing the 700FP Bucket Rescue System

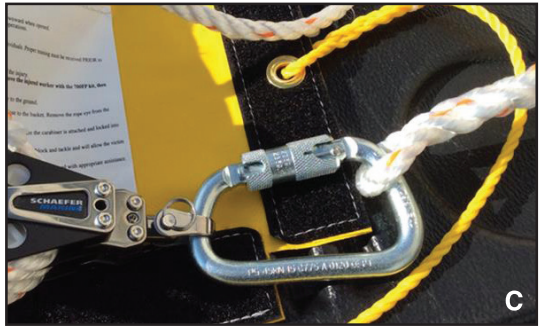
1. Make sure the upper block is secured to the boom strap with orange nylon strap (A).



2. The blocks should be pulled tight together (B).



3. The fall line must be attached to the carabiner and the carabiner must be attached to the block (C).



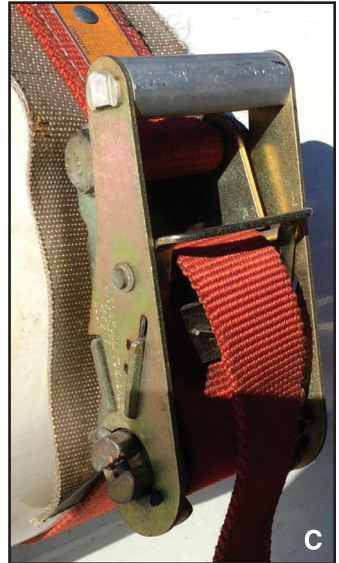
4. After inspection repack the device by simply laying the rope back into the bag and close the storage bag (D).



DO NOT COIL
THE ROPE.

Installing the 700FP Rescue System

1. Place the 700FP Rescue System on the side of the boom about 7.5' away from where the bucket is connected to the boom of the bucket truck **(A)**.
2. Position the rescue pack so the yellow pull rope is away from the bucket **(B)**.
3. Secure the rescue pack using the ratcheting boom strap and verify that the binder is folded and secured in place **(C)**.



Using the 700FP Bucket Rescue System

1. Use the lower controls to position the bucket beside the bins of the truck (A).
2. To open the rescue pack, stand on the bins, reach up and pull on the yellow rope. This will allow the rope to fall out (B).
3. Pull the fall line connected to the lower set of blocks and remove the eye of the rope from the carabiner (C).
4. Disconnect the shock absorbing lanyard from the injured person's full body harness. Connect the carabiner attached to the lower set of blocks to the D-Ring on the injured worker's full body harness (D).



5. Make sure all connections are secure and move the bucket about 10' away from the vehicle (E).



6. Toss the fall line to the ground and pull down to lift the injured worker until their hips are above the lip of the bucket (F).



7. Slowly lower the worker to the ground and disconnect the rescue device (G).



The 700FP Bucket Rescue System must be carefully inspected and repacked before it is put back in service.

Carefully inspect for the following:

- Rope is free of cuts, abrasions, burns or extreme wear.
- Blocks show no signs of excessive corrosion and sheaves move freely.
- Deformation or other signs of wear to carabiners or snap hooks.
- Carabiners and snaphooks open easily and close automatically and completely.
- Boom strap webbing has no cuts, excessive abrasions, and no chemical or UV damage.
- Ratcheting boom strap is secure and functions properly.



- WARNING -



Any product showing signs of excessive wear or damage must be **REMOVED FROM SERVICE IMMEDIATELY.**

To repack the 700FP Bucket Rescue System refer to page 26.

Installing the 700FWI Bucket Rescue System



The 700FWI includes two corrosion resistant blocks with nylon sheaves, 75' of twisted 3/8" polyester rope, a double locking steel carabiner, a steel snap hook, and a ratcheting boom strap with a steel D-Ring for attaching the rescue blocks. Make sure all of these components are included and in good working order.

Repack the 700FWI by pulling the blocks together, attaching the fall rope to the carabiner, and pushing the rope into the canister and closing the lid (Fig. B page 31).

- WARNING -

PROPER TRAINING IS REQUIRED BEFORE USING THIS DEVICE.

1. Place the ratcheting boom strap with D-Ring on the side of the boom about 7.5' from where the bucket is connected to the boom. **(A) (B)**.



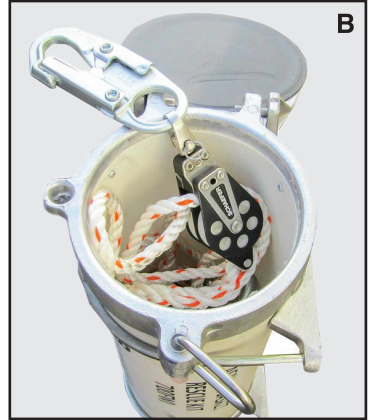
Boom strap with D-Ring should be left on boom so it is readily available.

2. Secure the ratcheting boom strap with D-Ring to the boom and verify that the binder is folded and secured in place **(C)**.



Using the 700FWI Bucket Rescue System

1. Use the lower controls to position the bucket beside the bins of the truck (A).
2. Open the cannister and remove the snap hook that is connected to the rescue blocks (B).



3. Connect the snap hook attached to the rescue blocks to the D-Ring on the boom strap and verify connection (C).
4. Pull down on the fall line connected to the lower set of blocks and remove the rope from the carabiner (D).



- WARNING -



Verify all connections before proceeding.

5. Disconnect the shock absorbing lanyard from the injured person's full body harness. Connect the carabiner attached to the lower set of blocks to D-Ring on the injured workers full body harness (E).



6. Toss the fall line to the ground and pull down to lift the injured worker until their hips are above the lip of the bucket (F).



7. Slowly lower the worker to the ground and disconnect the rescue device (G).

The 700FWI Bucket Rescue System must be carefully inspected and repacked before it is put back in service.

Carefully inspect for the following:

- Rope is free of cuts, abrasions, burns or extreme wear.
- Blocks show no signs of excessive corrosion and sheaves move freely.
- Deformation or other signs of wear to carabiners or snap hooks.
- Carabiners and snaphooks open easily and close automatically and completely.
- Boom strap webbing has no cuts, excessive abrasions, chemical or UV damage, and the steel D-Ring shows no signs of deformation or excessive wear.
- Ratcheting boom strap is secure and functions properly.



- WARNING -



Any unit showing these or other signs of excessive wear or damage must be **REMOVED FROM SERVICE IMMEDIATELY.**

To repack the 700FWI Bucket Rescue System refer to page 30.

User Inspection, Maintenance and Storage of Equipment

Users of personal fall arrest systems shall, at a minimum, comply with all manufacturer instructions regarding the inspection, maintenance and storage of equipment. The user's organization shall retain the manufacturer's instructions and make them readily available to all users. See ANSI/ASSE Z359.2, *Minimum Requirements for a Comprehensive Managed Fall Protection Program*, regarding user inspection, maintenance and storage of equipment.





1. In addition to the inspection requirements set forth in the manufacturer's instructions, the equipment shall be inspected by the user before each use. The equipment shall also be inspected by a competent person, other than the user, at intervals of no more than one year for:
 - **Absence** or illegibility of markings.
 - **Absence** of any elements affecting the equipment form, fit or function.
 - **Evidence** of defects in or damage to hardware elements including cracks, sharp edges, deformation, corrosion, chemical attack, excessive heating, alteration and excessive wear.
 - **Evidence** of defects in or damage to straps or ropes including fraying, unsplicing, unlaying, kinking, knotting, roping, broken or pulled stitches, excessive elongation, chemical attack, excessive soiling, abrasion, alteration, needed or excessive lubrication, excessive aging and excessive wear.
2. Inspection criteria for the equipment shall be set by the user's organization. Such criteria for the equipment shall equal or exceed the criteria established by this standard or the manufacturer's instructions, whichever is greater.
3. When inspection reveals defects in, damage to, or inadequate maintenance of equipment, the equipment shall be permanently removed from service or undergo adequate corrective maintenance by the original equipment manufacturer or their designate before return to service.

Maintenance and Storage

1. Maintenance and storage of equipment shall be conducted by the user's organization in accordance with the manufacturer's instructions. Unique issues, which may arise due to conditions of use, shall be addressed with the manufacturer.
2. Equipment which is in need of, or scheduled for, maintenance shall be tagged as unusable and removed from service.
3. Equipment shall be stored in a manner as to preclude damage from environmental factors such as temperature, light, UV, excessive moisture, oil, chemicals and their vapors or other degrading elements.

Anchorage Connectors

Bashlin anchorage connectors provide a temporary point to attach a lanyard for fall protection purposes, and have been tested in compliance with the requirements set forth by ANSI/ASSE Z359.7. ANSI compliance and testing covers only the hardware and does not extend to the anchorage and substrate to which the anchorage connector is attached.

Anchor Number	Description	Usage	Length Dimensions	Z359.18 Type
2011P	Anchor Strap with D-Ring		36 to 48 in.	A
2012P	Anchor Strap with Loops		36 to 48 in.	A
703/703R	Anchor Strap with D-Ring		55 in.	A
703R-2D	Anchor Strap with 2 D-Rings		55 in.	A

Verify ratchet binder is folded and secure before using the 703R or 703R-2D.

****Only ONE WORKER may be attached to the 703R-2D at any time and one D-Ring shall be kept free at all times.****

Manufactured with nylon web and steel components.

Minimum service temperature -30°F.

When affixed to an anchorage, the eye of the anchorage connector should be positioned on the side of the anchorage in which the user is working. For 2012P straps, pass one eye of the strap through the other and on 2011P straps, pass the small O-Ring through the large O-Ring. All slack should be removed from the line so that the anchorage connector is tight against the anchor. Slack left in the line may increase free fall distance in the event of a fall. Connect to the eye of the anchorage connector using a self-locking carabiner or self-locking snap hook only. When using 2011P straps, never connect hooks to the large O-Ring. Connections should not be made in a manner that would result in a load on the gate.

Tips for Using Bashlin Anchorage Connectors

- Always place the anchorage connector as high as possible to reduce the free fall distance.
- Never wrap an anchorage directly to a steel beam or other rigid surfaces (see image). Use padding between the anchorage and rigid anchor point.
- Fall arrest systems, including the anchorage, must have a static load strength of 5,000 pounds in permitted directions for non-certified anchorages, or two times the maximum arresting force for certified anchorages.



- Anchorage connectors are designed for use for personal fall arrest, restraint, work positioning, suspension or in rescue systems. For personal fall arrest, anchorage connectors may be used when maximum permissible free fall is 6' or under. For fall restraint where no vertical free fall is permitted, users are prevented from reaching a fall hazard. In a work positioning system, the maximum permissible free fall is 2'. In a personal riding application where a user is being suspended or transported vertically, no vertical free fall is permitted. In a rescue application no vertical free fall is permitted.
- Positioning systems, including the anchorage, must have a static load strength of 3,000 pounds in permitted directions for non-certified anchorages, or two times the foreseeable force for certified anchorages.
- Restraint and travel restraint systems, including the anchorage, must have a static load strength of 1,000 pounds in permitted directions for non-certified anchorages, or two times the foreseeable force for certified anchorages.
- Only one fall protection system or positioning system may be attached to an individual connection point. Use Boom Straps only on anchors with smooth rounded edges. Do not attach subsystem to both eyes of an anchor strap. When selecting a hook to connect to the anchorage connector, ensure that roll-out cannot occur. A hook or carabiner should close completely over the attachment object.
- If a positioning system or restraint and travel restraint system is also used for fall arrest it must comply with the fall arrest anchorage requirements.
- OSHA requires either a 5,000 pound test anchorage connector or an engineered system meeting minimum requirements.
- Verify the anchor you choose meets the minimum strength requirements as outlined by OSHA and ANSI standards.
- Avoid exposing anchorage connections to environmental conditions that may degrade the anchorage connector.
- Upon request, Bashlin Industries will provide information necessary in designing fall protection systems, such as AAF and/or force vs. displacement curves for the device.
- Remove any surface contamination such as concrete, stucco, roofing material, etc. that could accelerate cutting or abrading of attached components.
- Users must be properly trained for the correct use of this equipment. Users should be familiar with operation, limitations, proper care and consequences of misuse of this equipment.
- See pages 29-33 for inspection and maintenance.

OSHA requires employers to train workers to use fall arrest systems and other personal protective equipment correctly while performing their jobs.

29 CFR 1910.132 (Personal Protective Equipment)

29 CFR 1910.140 (Personal Fall Protection Systems)

29 CFR 1926 Subpart M (Fall Protection)

Under 29 CFR 1926.502 (d) (Fall Protection Systems Criteria and Practices), OSHA requires that employers provide for “prompt rescue of employees in the event of a fall or shall assure that employees are able to rescue themselves.”

This should include identifying rescue procedures that address the potential for orthostatic intolerance and suspension trauma. Rescue procedures also should address how the rescued worker will be handled to avoid any post-rescue injuries.

General Practices and Considerations

- Rescue suspended workers as quickly as possible.
- Be aware that suspended workers are at risk of orthostatic intolerance and suspension trauma.
- Be aware of signs and symptoms of orthostatic intolerance.
- Be aware that orthostatic intolerance is potentially life threatening. Suspended workers with head injuries or who are unconscious are particularly at risk.
- Be aware of factors that can increase the risk of suspension trauma.

