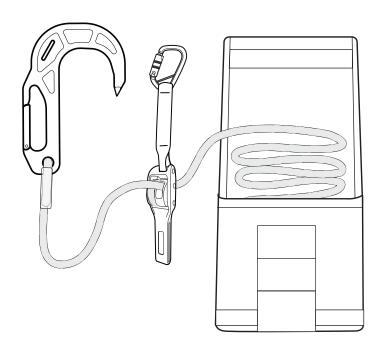
XX CMC"

LEVR™ ESCAPE SYSTEM





A WARNINGS

Activities involving the use of this equipment are potentially dangerous. Special knowledge and training are required to use this product. You are responsible for your own actions and decisions. Before using this device, you must:

- Read and understand these user instructions and warnings.
- Familiarize yourself with its capabilities and limitations.
- Get specific training in its proper use.
- Understand and accept the risks involved.

FAILURE TO HEED ANY OF THESE WARNINGS MAY RESULT IN SEVERE INJURY OR DEATH.



Imminent risk of serious injury or death.



Imminent risk of accident or injury.



Appropriate function or use.



Equipment incompatibility.

Manual refers to multiple product configurations.



Find the latest version and translations of this manual at cmcpro.com

LEVR™ ESCAPE SYSTEM



MEETS THE FIRE ESCAPE SYSTEM REQUIREMENTS OF NFPA 1983, STANDARD ON LIFE SAFETY ROPE AND EQUIPMENT FOR EMERGENCY SERVICES, 2017 EDITION, DO NOT DISASSEMBLE, EMERGENCY SERVICES FIRE ESCAPE SYSTEM IN ACCORDANCE WITH NFPA 1983 - 2017.

50036X CMC LEVR™ ESCAPE SYSTEM, RATED FOR ESCAPE USE (E)

FIRE ESCAPE WEB



MEETS THE FIRE ESCAPE WEBBING REQUIREMENTS OF NFPA 1983, STANDARD ON LIFE SAFETY ROPE AND EQUIPMENT FOR EMERGENCY SERVICES. 2017 EDITION. EMERGENCY SERVICES FIRE ESCAPE WEBBING IN ACCORDANCE WITH NFPA 1983 -2017.

200517 CMC FIRE ESCAPE WEB

PROTECH™ CARABINER



MEETS THE CARABINER REQUIREMENTS OF NFPA 1983, STANDARD ON LIFE SAFETY ROPE AND EQUIPMENT FOR EMERGENCY SERVICES, 2017 EDITION. EMERGENCY SERVICES CARABINER IN ACCORDANCE WITH NFPA 1983 - 2017.

300153 AUTO-LOCK W/ KEEPER, TECHNICAL USE (T) MBS 29 KN (6,519 LBF)

LEVR™ DESCENDER



5F04

MEETS THE DESCENT CONTROL DEVICE REQUIREMENTS OF NFPA 1983, STANDARD ON LIFE SAFETY ROPE AND EQUIPMENT FOR EMERGENCY SERVICES, 2017 EDITION. EMERGENCY SERVICES DESCENT CONTROL DEVICE IN ACCORDANCE WITH NFPA 1983 - 2017.

30095X LEVR DESCENDER, RATED FOR ESCAPE USE (E)

THIS DESCENT CONTROL DEVICE HAS PASSED THE MANNER OF FUNCTION AND HOLDING LOAD TESTS USING THE FOLLOWING ESCAPE WEBBING: CMC FIRE ESCAPE WEB P/N 200517, PERIMETER 30.0 MM.

FLASH.2™ AND FLASH.G™ ESCAPE ANCHOR



MEETS THE ESCAPE ANCHOR AND DECENT CONTROL REQUIREMENTS OF NFPA 1983. STANDARD ON LIFE SAFETY ROPE AND EQUIPMENT FOR EMERGENCY SERVICES, 2017 EDITION, EMERGENCY SERVICES ESCAPE ANCHOR IN ACCORDANCE WITH NFPA 1983 - 2017.

- 300983 FLASH,2™ AND 300973 FLASH,G™, ESCAPE ANCHOR MBS 13.5 KN (3,034 LBF)
- 300983 FLASH.2™ AND 300973 FLASH.G™, EMERGENCY DESCENT CONTROL RATED FOR ESCAPE USE (E)

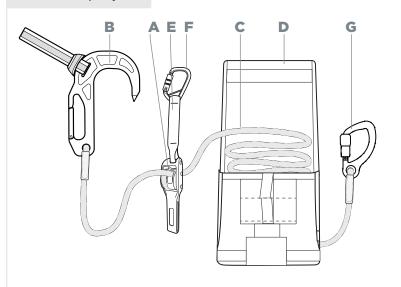
THE DESCENT CONTROL DEVICE HAS PASSED THE MANNER OF FUNCTION AND HOLDING LOAD TEST USING THE FOLLOWING ESCAPE WEBBING: CMC FIRE ESCAPE WEB P/N 200517, PERIMETER 30.0 MM.

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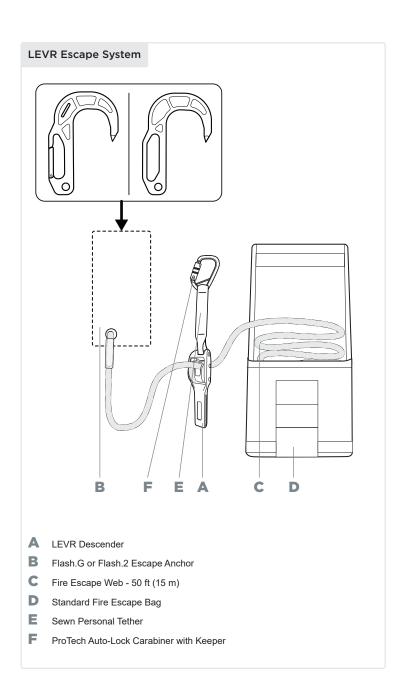
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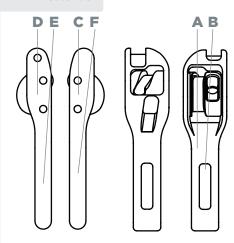
LEVR BT Escape System



- LEVR Descender
- В Flash.G Escape Anchor with Deployment Tether
- C Fire Escape Web - 50 ft (15 m)
- D BT Fire Escape Bag
- E Sewn Personal Tether
- F. ProTech Auto-Lock Carabiner with Keeper
- G Captive-Eye Connector

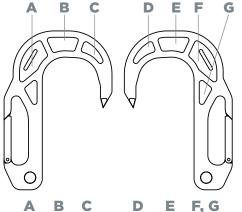


LEVR Descender

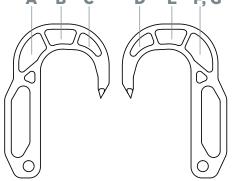


- Manufacturer Identification
- В Product Name
- C Country of Manufacture
- D Seal of Certifying Agency
- Е NFPA Classification
- F. Part Number and Lot Number

FLASH.G and FLASH.2 Escape Anchor



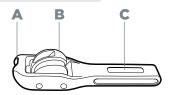
FLASH.G



FLASH.2

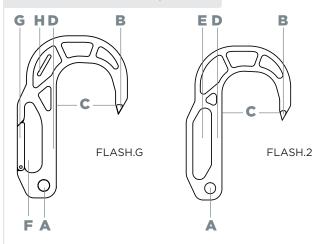
- A Manufacturer Identification
- В **Product Name**
- C Country of Manufacture
- D Carefully Read the Instructions before Use 🔟
- E Seal of Certifying Agency
- F. NFPA Classification
- G Part Number and Lot Number

LEVR Descender



- A Personal Tether Attachment
- **B** Pivoting Bollard
- C Control Handle

FLASH.G and FLASH.2 Escape Anchor



- A Escape Line Attachment Eye
- **B** Tip
- **C** Throat
- Shank
- E Hitching Slot
- F Gated Slot
- **G** Gate
- H Deployment Tether Slot

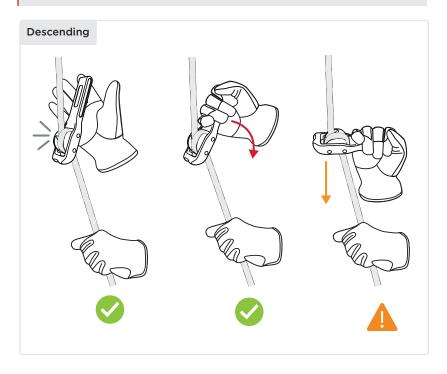
FIELD OF APPLICATION SEE TEXT FOR MORE

5 INSPECTION POINTS TO VERIFY SEE TEXT FOR MORE

6 MAINTENANCE & CARE SEE TEXT FOR MORE

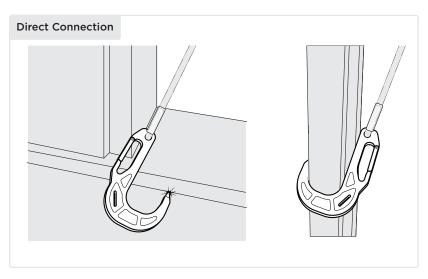
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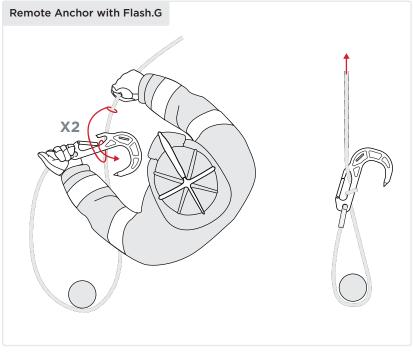
8 USING THE LEVR DESCENDER SEE TEXT FOR MORE

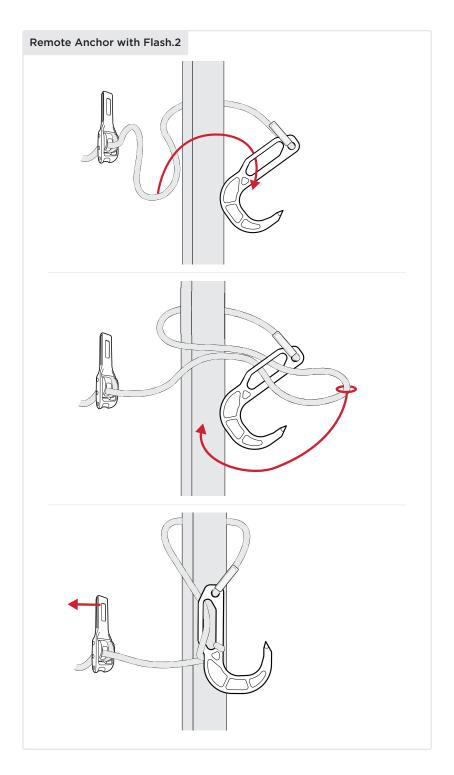


FLASH ESCAPE ANCHOR USE

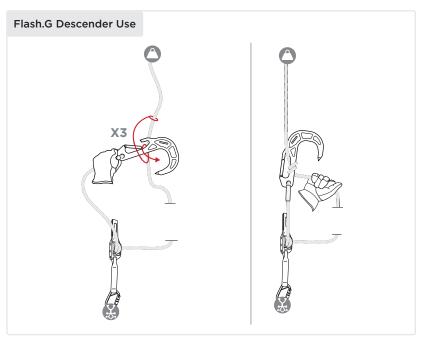
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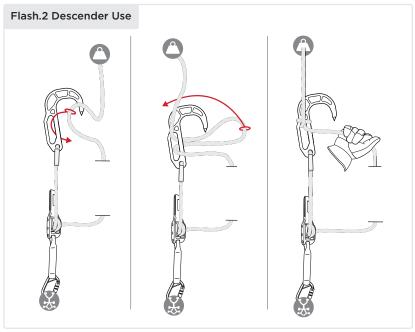


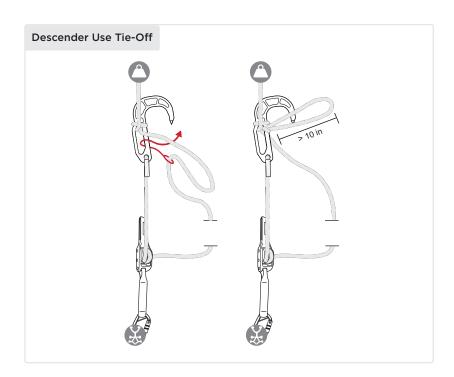




FLASH ESCAPE DESCENDER USE SEE TEXT FOR MORE







EQUIPMENT RECORDS SEE TEXT FOR MORE

Product Name		Product Type	
Manufacturer	CMC Rescue, Inc.	Manufacturer Contact	Tel: 805-562-9120
Name & Address	6740 Cortona Drive	Information	Tel: 800-235-5741
	Goleta, CA 93117, US		info@cmcpro.com
User Name & Address		Product Serial #	
Year of Manufacture		Purchase Date	
First Use Date		Expiration Date	

Periodic Inspection Sheet				
Check Date	Notes/Results	Inspector Name & Signature	Date of Next Check	

1. SYSTEM CONFIGURATIONS

See section for details

2. TRACEABILITY & MARKINGS

See section for details

3. NOMENCLATURE

See section for details.

4. FIELD OF APPLICATION

This product is manufactured for emergency escape. It shall not be used outside of its limitations or for any purpose other than that for which it is intended. The LEVR Escape System is available in multiple configurations. Various components are also sold separately including the Flash.G and Elseb 2.

STANDARDS & APPLICATIONS

This product and its components are classified to NFPA 1983 for the following applications:

LEVR Escape System

Fire Escape System

LEVR Descender

- Escape Descent Control Device
- Flash.G Escape Anchor
- Escape Anchor Device
 Escape Descent Control Device

Flash.2 Escape Anchor

- Escape Anchor
 Escape Anchor Device
- Escape Descent Control Device

Fire Escape Web

Fire Escape Webbing

ProTech Auto-Lock Carabiner with Keeper

Emergency Services Carabiner, Technical Use

RESPONSIBILITY

Activities involving the use of this device are inherently dangerous. The user shall assume all risks and responsibilities for any damage, injury or death, which may occur during or following the incorrect use of this equipment. Observe relevant national regulations

These instructions explain the correct use of your equipment. The warming symbols inform you of some potential dangers related to the use of your equipment, but it is impossible to describe them all. You are responsible for heeding each warming and using your equipment correctly. Any misuse of this equipment will create additional dangers. Contact CMG if you have any questions or difficulty understanding these instructions. Check cmcpro. com for updates and additional information.

Before using this equipment, you must:

- Read and understand these instructions and warnings.
- Obtain specific training and competency in its proper use.
- Familiarize yourself with its capabilities and limitations.
- Understand and accept the risks involved.
 Have a rescue plan in place to deal with any emergencies that could arise during use of the device.
- Be medically fit for activities at height and capable of controlling your own security and emergency situations.
- Check equipment before and after use.

5. INSPECTION POINTS TO VERIFY

INSPECTION

User safety depends on equipment integrity, Equipment should be thoroughly inspected prior to being placed into service and before and after each use. In addition, CMC recommends performing a detailed periodic inspection, by a competent person that meets your department's training standards, at least every 12 months depending on current local reculations and conditions of use.

Keep a record of the date, person performing the inspection and results, as well as the date of first use, name of users and any other pertinent information necessary to keep accurate track of the equipment's usage history in the equipment log or on a tag that attaches to the equipment. Each user should be trained in equipment in spection and should inspect the equipment before each use. When inspecting the system, follow the manufacturer's recommendations provided in this manual and any documentation provided with the LEVR Escape System components.

Verify that this product is compatible with the other equipment in the system and that its intended applications meet current standards. Equipment used with this product must meet regulatory requirements in your jurisdiction and/or country, and provide safe, functional interaction.

WARNING: Danger may arise and functionality may be compromised by combining other equipment with this product. User assumes all responsibility for non-standard use of this product or added components.

BEFORE FACH USE

- Visually check the parts for any signs of damage such as cracks, wear, corrosion, deformation or discoloration from heat. Minor nicks or sharp spots may be smoothed with emery cloth.
- Ensure that the markings are legible and that the materials do not show signs of wear preventing it from normal function. Confirm the tip of the hook does not show signs of wear preventing it from engaging a structure.
- Ensure smooth and full range of movement of the cam and control handle. If the LEVR does not pass inspection or if there is any doubt as to the safety or serviceability of the device, remove it from service and destroy it.
- Inspect the connection of the escape line to the hook, make sure the escape line is not damaged and that the sewn end (if used) is fully covered by the protective tube and that there are no broken or missing stitches.
- Fire Escape Web should be inspected periodically to verify that the web is in serviceable condition. Look for cuts, abrasions, or fuzzy areas that would indicate the web has been used or exposed to abrasion or sharp edges. If the web does not pass inspection or if there is any doubt about the safety or serviceability of the web, remove the web from service and destroy it.
- The LEVR is pre-rigged with approved FR Escape Web prior to shipping from CMC. If web replacement is necessary, contact CMC Customer Support.

DURING USE

- Follow training procedures and departmental guidance on how to properly evaluate emergency escape equipment during use.
- Selection of suitable anchor points or structures is highly dependent on each ballout situation and is too complex to be comprehensively covered in this manual.

WARNING: The selection of an anchor point of adequate strength and the use of proper anchoring technique is essential for the safe use of the escape anchor.

6. MAINTENANCE & CARE

CARRYING, STORAGE, AND TRANSPORT LEVR ESCAPE SYSTEM

Clean and dry this equipment after each use to remove any dust, debris and moisture. Use cleans

- remove any dust, debris and moisture. Use clean water to wash off any dirt or debris. Do not use a pressure washer to clean the device.
- If device gets wet, allow the device to air dry at temperatures between 10° C (50° F) and 30° C (86° F), keep away from direct heat.
- During use, carrying, storage, and transport, keep the equipment away from acids, alkalis, rust and strong chemicals.
- Do not expose the equipment to flame or high
- temperatures. Store in a cool, dry location.
- Do not store where the equipment may be exposed to moist air, particularly where dissimilar metals are stored together.
- Ensure that the equipment is protected from external impact and keep out of direct sunlight.

LEVR DESCENDER

- · If the device gets dirty, clean it with a mixture of
- warm water and mild detergent.

 Do not use corrosive substances or petroleum
 - based solvents.
- Rinse in clean warm water, shake off excess water and dry at room temperature.
- Repeat as necessary.

 WARNING: Failure to follow these instructions may endanger life.

Additional information regarding life safety equipment can be found in NFPA 1500, Standard on Fire Department Occupational Safety, Health, and Wellness Program, NFPA 1983, Standard on Life Safety Rope and Equipment for Emergency Services; and NFPA 1858, Standard on Selection, Care, and Maintenance of Life Safety Rope and Equipment for Emergency Services.

LIFESPAN / RETIREMENT

The service life of equipment depends greatly on the type of use and the environment of use. Because these factors vary greatly, a precise service life of the equipment cannot be provided. If the system is used in actual fire ground emergency escape, or if there is any doubt about the serviceability of the system, remove the system from service and destroy it.

Retirement is also a function of the operating conditions, level of use, and environmental conditions. Protect from sharp edges, open flame, extreme temperatures, chemicals, oils, moisture, and mechanical stress. A fall load of other exceptional event can lead to retirement after a single use. Any concerns about its safe use is cause for retirement. If the system or components shall be retired, it should be taken out of service and marked accordingly or destroyed to prevent further use

A product must be retired when:

- · It has been subjected to a major event (fall,
- shockload etc.)
- It has been exposed to extreme environments (sharp edges, high temperatures, corrosive environment etc.) or become contaminated (chemicals etc.)
- It fails to pass inspection or there are any doubts about its reliability
- It has an uncertain usage history
 When it becomes obsolete due to changes in
 legislation, standards, technique, or compatibility.

WARRANTY & REPAIRS

If your CMC product has a defect due to workmanship or materials, please contact CMC Customer Support at info@cmcpro.com for warranty information and service.

CMC's warranty does not cover damages caused by improper care, improper use, alterations and

modifications, accidental damage or the natural breakdown of material over extended use and time

The equipment should not be modified in any way or altered to allow attachment of additional parts without the manufacturer's written recommendation. If original components are modified or removed from the product, its safety aspects may be restricted.

All repair work shall be performed by the manufacturer. All other work or modifications void the warranty and releases CMC from all liability and responsibility as the manufacturer

MANUFACTURER INFORMATION

CMC Rescue. Inc.

6740 Cortona Drive

Goleta, CA 93117, USA 805-562-9120 / 800-235-5741

cmcpro.com l info@cmcpro.com

ISO 9001 Certified

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7. USING SYSTEM COMPONENTS

PROTECH CARABINER

All carabiners are designed to specific performance criteria. Be aware of load limitations, manner used, and proper technique. Do not overload a carabiner. Carabiners can fail under improper use conditions such as cross loading. gate open loading, loading other than major axis, applying a shear or torsional load to the carabiner, etc. If you are not sure of proper application or technique, seek proper training in carabiner use in a technical rope application.

To remove the keeper pin (for models so equipped), use the supplied hex wrench to remove the set screw, then pull the pin completely from the carabiner frame. To reinstall insert the keeper pin through the hole in the gate side of the frame, then ensure the pin is fully seated in the blind hole in the spine side of the frame. Reinstall the set screw taking care not to overtighten or strip the threads or head. Use a thread locker to ensure the set screw does not back out during use.

FIRE ESCAPE WEB

Fire Escape Web should only be used with a life safety harness or escape belt. Protect the web from abrasion during storage and while carrying. During use, protect the web from any sharp or abrasive edges by padding the edges or rigging the web to avoid the edges. Carry the web where it will be protected from exposure to high heat or direct flame.

8. USING THE LEVR **DESCENDER**

PRACTICE & TRAINING

Safe use of the LEVR requires familiarity with its operation and basic rappel skills. CMC strongly recommends training from a competent instructor and practice in both descending with the LEVR and in exiting windows. A safety belay should always be used when practicing, training, and learning to use the LEVR. Practice is essential. Additional items to remember:

- Use only certified CMC Fire Escape Web
- · To prevent roll out when using carabiners, use only locking models. Verify that manual locking carabiners are locked. Verify on auto locking carabiners that the gate has closed completely.
- All users should acquire training from a competent
- instructor before use.
- Use an independent belay during all training exercises.

As with any life safety product, it is the responsibility of the user to inspect and verify correct function of the LEVR and all related components before and after each use to insure it performs as expected and is ready for emergency use. EXITING THE STRUCTURE

The LEVR is designed to allow both hands to be used to exit a window or other opening in the structure. A safe descent requires a moderate amount of preplanning with time to set a secure anchor, remove any edge material that may damage the escape web, and to make sure the connector, LEVR and any other equipment clears the edge without damage or hanging up. When setting a

remote anchor and moving to the point of egress, point the control handle towards the direction of travel to ensure smooth payout.

DESCENDING

- Start by loading the system with your body weight. When descending with the LEVR, always maintain
- control of the web tail. · The LEVR can be operated with one hand on the control handle and one hand on the web tail, or the web tail can be routed through the same hand that is operating the control handle by passing the tail in-between the thumb and pointer finger of the hand grabbing the control handle and creating friction on the tail by squeezing the tail against the control handle. Training is essential for the safe operation of the LEVR in either the double or single hand method.
- · Slowly pull the control lever towards your body to initiate your descent.
- Control the rate of descent by varying the degree of pull on the handle and the amount of friction on the web tail.
- To stop descending, release the handle and tighten the grasp on the web tail. The control handle must be released to stop the descent.
- Fully engaging the control handle will cause a rapid descent. Always use a backup when training.

REPACKING THE SYSTEM

When repacking the system into the supplied CMC carry bag, flake, the web into the main pouch to minimize twisting during deployment. Also make sure that the Flash Escape Anchor and the LEVR are properly stowed in their respective holders and will deploy freely. If storing the LEVR Escape System directly in the bunker pants pocket or using a different external bag than the supplied CMC carry bag ensure that the web is properly flaked and the hardware is packed such that it will deploy freely. To view a video with more information and detailed instructions on properly packing the LEVR Escape System, please visit cmcpro.com

9. FLASH ESCAPE ANCHOR USE

The Flash.G Escape Anchor and Flash.2 Escape Anchor are designed to attach escape line to a secure anchor point for emergency egress. The selection of an anchor point of adequate strength is essential for the safe use of the escape anchor. The Flash Escape Anchors are attached in two general ways: Direct Connection and Remote Anchor.

DIRECT CONNECTION

In this method, the escape anchor is directly connected to a suitable structure. The anchor either hooks around an object such as a pipe or railing, or the tip of the hook is used to engage an object such as a window sill where the tip engages and holds the anchor in place.

Whenever the tip of the anchor is used, embed it as deeply as possible into the structure before loading. Care should be given to load the anchor in line with the shank, and the anchor placement must avoid cantilevering the hook as this may cause the tip to disengage from the structure, or overload the hook. Tension must be maintained on the anchor and escape line continuously until the egress is complete. Failure to do so may allow the anchor to release from the structure

REMOTE ANCHOR

In this method, the escape line is wrapped around an object or structure and the escape anchor is used to connect back to the escape line, forming a loop.

Flash G Remote Anchor

Hold the escape anchor in one hand by grabbing it near the Escape Line Attachment Eye. Pass it around the object or structure and use the other hand to wrap the escape line two times around the entire escape anchor such that the escape line passes through the gate and enters the gated slot two times. This will create two wraps of escape line around the shank of the hook, securing the loop Make sure that both wraps of line are fully inside of the gated slot, and that the gate has closed completely before loading the anchor.

Flash 2 Remote Anchor

Pass the anchor around the structure or object. Secure the loop by passing a bight of escape line through the hitching slot and wrapping it around the hook as shown.

10. FLASH ESCAPE **DESCENDER USE**

The Flash escape anchors can be used as an for lowering a victim using the tail end of the escape system. In this method, the device does not function as an escape anchor. but rather as the friction inducing descent device

WARNING:

- · For advanced users with proper training only!
- The rescuer must create an alternative anchorage point from which to perform this action.
- The victim must be securely connected to the escape
- The device is not auto-locking. The rescuer must maintain control of the tail at all times or tie off the system.
- · If the rescuer intends to bail out immediately after lowering a victim, care must be taken that the escape line is sufficiently long to reach the ground, and that the victim can be quickly disconnected upon reaching the ground.

FLASH.G DESCENDER USE

- Locate the connector at the end of the escape line. · Deploy the Flash.G anchor/descender from its stowage
- and hold the unit by the shank in one hand with the attachment-eye end of the hook oriented towards
- Pass the escape line into the same hand holding the escape anchor.
- · Pass the end of the escape line around the shank of the hook and through the gate three times.
- · Suitably anchor the system. It is absolutely critical to ensure that the system is anchored before load is applied. Anchoring must consider circumstances and departmental policies.
- · Attach the end of the escape line to the person being lowered, using a connector if available
- · Firmly grab the tail of the escape line before loading the system
- · Slowly reduce the tension on the tail to initiate descent.

FLASH.2 DESCENDER USE

- · Locate the tail end of the escape line. On the LEVR BT Escape System, the captive eye carabiner is sewn onto the line for easy attachment to the victim. In systems without this connector, a connector can be added or a department approved knot can be used for securing the victim.
- Deploy the Flash.2 anchor/descender from its stowage and hold the unit by the shank in one hand with the attachment-eye end of the hook oriented towards
- Create a munter hitch by passing a bight of escape line through the hitching slot and around the tip of
- Suitably anchor the system. It is absolutely critical to ensure that the system is anchored before load is applied. Anchoring must consider circumstances and denartmental nolicies
- Attach the end of the escape line to the person being lowered, using a connector if available
- Firmly grab the tail of the escape line before loading
- · Slowly reduce the tension on the tail to initiate descent.

TIE-OFE METHOD

Both the Flash,G and Flash,2 can be tied off using the method shown. Make sure the bight of rope extending from the half-hitch around the shank is at least 10" long

Tie-off methods are a certification requirement for escape descent control devices. The time-critical nature of emergency bailout conditions may preclude tie-off of the system. Refer to departmental training and guidance for determining when tie-offs may be appropriate

11. EQUIPMENT RECORDS

Equipment should be thoroughly inspected prior to being placed into service and before and after each use. In addition, CMC recommends performing a detailed periodic inspection, by a competent person, at least every 12 months depending on current local regulations and conditions of use. A sample equipment table is provided to assist with recording the results of periodic inspections. Users should maintain records for each component of the LEVR Escape System.



CMC Rescue, Inc. 6740 Cortona Drive Goleta, CA 93117, USA 805-562-9120 / 800-235-5741 cmcpro.com

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