IMPORTANT INFORMATION - PLEASE READ AND SAVE

LEVR™ Escape System

Made in USA of US and foreign components

WARNING

- SERIOUS INJURY OR DEATH MAY RESULT FROM THE IMPROPER USE OF THIS EQUIPMENT.
- THIS EQUIPMENT HAS BEEN DESIGNED AND MANUFACTURED FOR USE BY EXPERIENCED PROFESSIONALS ONLY.
- DO NOT ATTEMPT TO USE THIS EQUIPMENT WITHOUT PRIOR TRAINING.
- THOROUGHLY READ AND UNDERSTAND ALL LABELS AND INSTRUCTIONS BEFORE USE.
- USE, INSPECT AND REPAIR ONLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

CLASSIFIED UL 5F04

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.

CMC Rescue, Inc.
6740 Cortona Drive, Goleta CA 93117
USA

805-562-9120 / 800-235-5741
cmcpro.com
ISO 9001 Certified

LEVR™ Escape System

USER INFORMATION

User Information shall be provided to the user of the product. NFPA Standard 1983 recommends separating the User Information from the equipment and retaining the information in a permanent record. The standard also recommends making a copy of the User Information to keep with the equipment and that the information should be referred to before and after each use.

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

INSPECTION

Inspect the equipment according to your department's policy for inspecting life safety equipment. Inspect the equipment prior to entry into service, after each use, and at least once every 12 months. The equipment should be thoroughly inspected by an inspector that meets your department's training standard for inspection of life safety equipment. 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 inspection and should inspect the equipment before each use.

When inspecting the system, follow the manufacturer's recommendations for inspection provided with each of the LEVR Escape System components. 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.

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.

CERTIFICATION

The LEVR Escape System is an NFPA 1983 certified Manufactured Fire Escape System when used with the following components:

- CMC LEVR (300953)
- CMC Flash.2™ Escape Anchor (300983)
- CMC Fire Escape Web (200517) with CMC factory sewn termination

LEVR™ Escape System

USING THE ESCAPE SYSTEM

For proper deployment of the LEVR Escape System, refer to the included User Information for the LEVR, Flash.2™ Escape Anchor, ProTech™ Carabiner and Fire Escape Web. When repacking the system into the supplied CMC carry bag, stuff the web into the main pouch to minimize twisting during deployment. Also make sure that the Flash.2 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 stuffed 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

CARRYING, MAINTENANCE & STORAGE

During use, carrying and storage keep the equipment away from acids, alkalis, exhaust emissions, rust and strong chemicals. Do not expose the equipment to flame or high temperatures. Carry the equipment where it will be protected as the equipment could melt or burn and fail if exposed to flame or high temperatures. If the equipment becomes soiled, it can be washed in cold water with a mild detergent that is safe for use with nylon and polyester. Dry out of direct sunlight. Do not dry in an automatic dryer. 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.

FR ESCAPE WEB REPLACEMENT

The LEVR is pre-rigged with approved FR Escape Web prior to shipping from CMC. If web replacement is necessary, contact CMC Customer Support (800-235-5741) to initiate the RMA process. In addition to replacing the web, the components of the escape system will be inspected by the manufacturer.

REPAIR

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.

Fire Escape Web

WARNING

- THIS ESCAPE WEB IS A SINGLE-PURPOSE, EMERGENCY SELF-ESCAPE (SELF-RESCUE) WEB.
- SERIOUS INJURY OR DEATH MAY RESULT FROM THE IMPROPER USE OF THIS ESCAPE WEB.
- THIS ESCAPE WEB HAS BEEN DESIGNED AND MANUFACTURED FOR USE BY EXPERIENCED PROFESSIONALS WITH PROPER TRAINING.
- USE, INSPECT, AND REPAIR ONLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- USE ONLY WITH A LIFE SAFETY HARNESS OR ESCAPE BELT.
- THOROUGHLY READ AND UNDERSTAND ALL LABELS AND INSTRUCTIONS BEFORE USE.

CLASSIFIED UL 5F04

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.

USER INFORMATION

User Information shall be provided to the user of the product. NFPA Standard 1983 recommends separating the User Information from the equipment and retaining the information in a permanent record. The standard also recommends making a copy of the User Information to keep with the equipment and that the information should be referred to before and after each use.

Additional information regarding auxiliary equipment can be found in NFPA 1500, Standard on *Fire Department Occupational Safety and Health Programs*, and NFPA 1983, *Standard on Life Safety Rope and Equipment for Emergency Services*.

ABOUT SINGLE-PURPOSE WEB

The NFPA Standard on Life Safety Rope and Equipment for Emergency Services (1983-2017 ED) defines Fire Escape Web as "single-purpose, emergency self escape (self-rescue) web." CMC Fire Escape Web is intended to be used only for emergency self-escape (self-rescue). The NFPA 1983-2017 minimum breaking strength for Escape Web is 13.5 kN.

Fire Escape Web

Web Type	Perimeter	Minimum Breaking Strength	Elongation @ 1.35 kN (300 lbf)	Elongation @ 2.7 kN (600 lbf)	Elongation @ 4.4 kN (1000 lbf)
Fire Escape	30 mm	27 kN	1.2%	1.8%	2.7%

REQUIREMENTS FOR SAFE USE

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.

INSPECTION

CMC 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.

ProTech™ Locking D Carabiners

CLASSIFIED UL 5F04

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.

- **30016X SCREW-LOCK, TECHNICAL USE (T) MBS 26 kN (5,845 lbf)**
- **300182 MANUAL-LOCK, TECHNICAL USE (T) MBS 26 kN (5,845 lbf)**
- **300189 MANUAL-LOCK W/ KEEPER, TECHNICAL USE (T) MBS 29 kN (6,519 lbf)**
- **300193 AUTO-LOCK, TECHNICAL USE (T) MBS 26 kN (5,845 lbf)**
- **300153 AUTO-LOCK W/ KEEPER, TECHNICAL USE (T) MBS 29 kN (6,519 lbf)**

USER INFORMATION

User Information shall be provided to the user of the product. NFPA Standard 1983 recommends separating the User Information from the equipment and retaining the information in a permanent record. The standard also recommends making a copy of the User Information to keep with the equipment and that the information should be referred to before and after each use.

Additional information regarding life safety equipment can be found in NFPA 1500, Standard on Fire Department Occupational Safety and Health Programs, and NFPA 1983, Standard on Life Safety Rope and Equipment for Emergency Services.

INSPECTION

Inspect the equipment according to your department's policy for inspecting life safety equipment. Inspect the equipment prior to entry into service, after each use, and at least once every 12 months. The equipment should be thoroughly inspected by an inspector that meets your department's training standard for inspection of life safety equipment. 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 inspection and should inspect the equipment before each use. Inspect the equipment for cracks, sharp edges, dents, corrosion, burrs or excessive wear. Minor nicks or sharp spots may be smoothed with emery cloth. If any of the above is noted, or if the equipment has been subjected to shock loads,

ProTech™ Locking D Carabiners

fall loads, or abuse other than normal use, remove the equipment from service and destroy it. If there is any doubt about the serviceability of the equipment, remove the equipment from service and destroy it. 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.

LIMITATIONS AND PROPER USE

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 and 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 and stripping the threads or head. Use a thread locker to ensure the set screw does not back out during use.

CARRYING, MAINTENANCE & STORAGE

Clean and dry this equipment after each use to remove any dust, debris and moisture. During use, carrying and storage 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.

REPAIR

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.

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.

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 FR WEBBING, CMC PART# 200517, PERIMETER 30.0 mm.

CARRYING, MAINTENANCE & STORAGE

Clean and dry this equipment after each use to remove any dust, debris and moisture. During use, carrying and storage 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. If the device gets dirty, clean it with a mixture of warm water and mild detergent. Rinse the body of the unit in the solution while working the control handle. Do not use corrosive substances like acetone or petroleum based solvents. Rinse in clean warm water, shake off excess water and dry at room temperature. Once dry, apply a lubricant such as WD40 or LPS1 with a long stem applicator. Spray in and around the cam from both sides, as well as the control lever hinge, detent and pivot point axle. Make sure to wipe off any excess lubricant. Avoid using heavy viscosity oils or greases that attract dirt.
Repeat as necessary.

REPAIR

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.

USER INFORMATION

User Information shall be provided to the user of the product. NFPA Standard 1983 recommends separating the User Information from the equipment and retaining the

LEVR™ Descender

on the control lever. To stop descending, release the lever and tighten the grasp on the free end of the rope. Fully engaging the control lever will cause a rapid descent. The control lever must be released to stop the descent.

REMEMBER

- Use only certified CMC FR 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.
- Consider using an independent belay during all training exercises.

INSPECTION

Inspect the equipment according to your department's policy for inspecting life safety equipment. Inspect the equipment prior to entry into service, after each use, and at least once every 12 months. The equipment should be thoroughly inspected by an inspector that meets your department's training standard for inspection of life safety equipment. 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 inspection and should inspect the equipment before each use. Inspect the equipment for cracks, sharp edges, dents, corrosion, burrs or excessive wear. Minor nicks or sharp spots may be smoothed with emery cloth. If any of the above is noted, or if the equipment has been subjected to shock loads, fall loads, or abuse other than normal use, remove the equipment from service and destroy it. If there is any doubt about the serviceability of the equipment, remove the equipment from service and destroy it.

Ensure smooth and full range of movement of the cam and control lever. 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.

The service life of equipment used for rescue 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.

LEVR™ Descender

information in a permanent record. The standard also recommends making a copy of the User Information to keep with the equipment and that the information should be referred to before and after each use.
Additional information regarding life safety equipment can be found in NFPA 1858, Standard on Selection Care, and Maintenance of Life safety Rope and Equipment for Emergency Services, NFPA 1500, Standard on Fire Department Occupational Safety and Health Programs, and NFPA 1983, Standard on Life Safety Rope and Equipment for Emergency Services.

LIMITATIONS AND PROPER USE

The LEVR is designed to be used as an Escape Descent Control Device as specified by NFPA 1983 and is certified for use with CMC FR Escape Web only. The LEVR Escape System is pre-rigged from the factory. If it becomes necessary to replace the web, please contact CMC customer service.
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.
Practice is Essential: 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. Until the user is comfortable with the operation of the LEVR a safety belay should be used.
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. Fully engaging the handle will provide for maximum payout capability prior to exiting the structure.
Descending: Start by loading the system with your body weight. One hand must grasp the un-tensioned (running) end of the web (similar to rappelling with a Figure 8 device), while the other hand grasps the control lever. Slowly pull the control lever towards your body to initiate your descent. Control the rate of descent by varying the degree of pull

FLASH.2™ Anchor

5F04

MEETS THE ESCAPE ANCHOR 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.

- **RATED FOR ESCAPE USE (E) MBS 13.5 KN (3,034 LBF)**

CARRYING, MAINTENANCE & STORAGE

Clean and dry this equipment after each use to remove any dust, debris and moisture. During use, carrying and storage 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.

REPAIR

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.

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INSPECTION

Inspect the equipment according to your department's policy for inspecting life safety equipment. Inspect the equipment prior to entry into service, after each use, and at least once every 12 months. The

FLASH.2™ Anchor

equipment should be thoroughly inspected by an inspector that meets your department's training standard for inspection of life safety equipment. 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 inspection and should inspect the equipment before each use.
Inspect the equipment for cracks, misalignment, deformation, sharp edges, dents, corrosion, burrs or excessive wear. Minor nicks or sharp spots may be smoothed with emery cloth. If any of the above is noted, or if the equipment has been subjected to shock loads, fall loads, or abuse other than normal use, remove the equipment from service and destroy it. If there is any doubt about the serviceability of the equipment, remove the equipment from service and destroy it.
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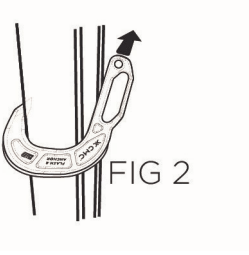
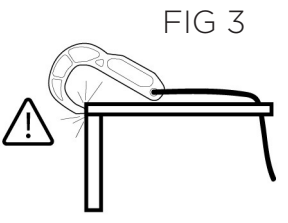
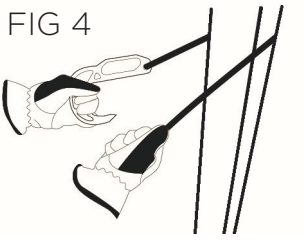
USING THE FLASH.2 ANCHOR

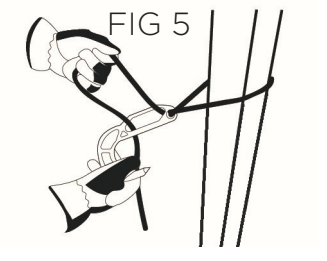
The FLASH.2 Anchor is designed to attach an escape line or escape web to a secure anchor point for emergency egress. The selection of an anchor point of adequate strength is essential for the safe use of the escape anchor. Whenever the point of the anchor is used, imbed the point as deeply as possible in the framing (fig 1). Tension must be kept on the anchor and escape line or escape web continuously until the egress is complete. Failure to do so may allow the anchor to release from the structure. Care should be given to avoid loading the anchor in a perpendicular axis. Using the corner area of a window allows for an easier transition. Alternatively, if the profile of a doorway or window sill allows, the anchor should be placed in a manner that the framing seats in the bottom of the hook (fig 2). Use caution when loading the tip of anchor (fig 3) as force applied may cause the hook to rotate out of place. The handle of the anchor can accommodate a girth hitch with escape web / line as shown in figures 4-6. It is the user's responsibility to determine the structural integrity of the anchor point and to deploy the FLASH.2 Anchor appropriately.

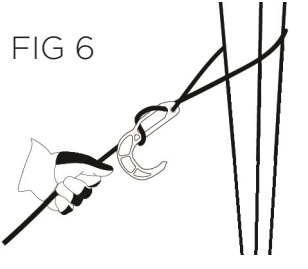
FLASH.2™ Anchor











SAMPLE INSPECTION AND MAINTENANCE LOG

The sample log suggests records that should be maintained by the purchaser or user of life safety equipment.

LEVR™ Descender

Equipment Inspection and Maintenance Log

Item_____**#**_____ **Date in Service**_____

Brand/Model_____ **Strength**_____

Date	How Used or Maintained	Comments	Name

Fire Escape Web

Date in Service_____ **Perimeter 30mm.** **Tensile**

Length_____**ft.** **CMC Part Number: 200517** **Strength:**_____

Bag Color_____ **Color:**_____

Model_____ **Manufacturer: Sturges**

Date	Incident/Location	How Used	Possible Damage	Inspection Results	Name

SAMPLE INSPECTION AND MAINTENANCE LOG

The sample log suggests records that should be maintained by the purchaser or user of life safety equipment.

Flash.2™ Anchor

Equipment Inspection and Maintenance Log

Item_____**#**_____ **Date in Service**_____

Brand/Model_____ **Strength**_____

Date	How Used or Maintained	Comments	Name

ProTech™ Locking D Carabiners

Equipment Inspection and Maintenance Log

Item_____**#**_____ **Date in Service**_____

Brand/Model_____ **Strength**_____

Date	How Used or Maintained	Comments	Name

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The sample log suggests records that should be maintained by the purchaser or user of life safety equipment.

LEVR™ Escape System

Equipment Inspection and Maintenance Log

Item_____**#**_____ **Date in Service**_____

Brand/Model_____ **Strength**_____

Date	How Used or Maintained	Comments	Name