Carabiners & Hooks

Warning

Our carabiners are designed and tested specifically for rescue mountaineering, rock climbing, rappelling, work at height, fire. industrial and technical rope work. 1 The user of these products is responsible for the proper regular

- 2 Improper use, abuse and/or lack of proper care and maintenance will increase the risk of serious injury or death.
- 3 Any litigation involving this product will be in California State 4 Make sure there are no signs of cracks or damages on the pursuant to California State law 4 The user of the product is responsible for following NFPA.
- 5 Make sure gate opens completely, and closes completely. OSHA, ANSI and all other applicable State and Federal
- regulations regarding use of these products for any application. 6 When in doubt, or have concern about the condition or the 5 All the provided information or label (front and back) must be safety of using the equipment, mark equipment unusable and thoroughly read and understood before and after each use. All destroy or remove the product from use or service Fusion products are designed and tested specifically for human immediately
- support only. Do Not use for lifting objects. Each person should 7 Do not use the product after a major fall or impact, even if the have one connection point using equipment or gear that is rated product does not show signs of deformation or distress. greater than 5.000 lbs. The manufacturer's suggested Max Contact the manufacturer when in doubt.
- Working Load Limit (WLL) for any Fusion carabiner and 8 Only make compatible connections. connectors is 448 lbs(2 KN). Do not use product exceeding its
 - 9 Avoid contact with abrasive or sharp surfaces.
- 10 User must receive training before using the product. 6 The anchorage of any fall arresting system must be greater tha
- 11 Carabiners are designed to be loaded along their major axis (end to end) with the gate closed. Loading the product in any 7 The user of these products in any application or manner other way or manner reduce its strength to the point where it assumes all risks and accepts full responsibility for any damages and injury of any kind, from the use of these products. may fail under normal use or climbing loads.
- For all work requiring the use of Personal Protective Equipment. 12 Carabiner with its gate open can fail at less than half its major.
- 8 Works or activities as such are inherently dangerous and 13 Avoid situations where the gate could open accidentally

1 Identify the captive eye pin if it's included with the product.

3 Inspect the pin, it has one end that is smooth and the other

4 Take the captive eye pin and insert the smooth end into the

5 Slide the pin downward until it has partially entered the hole

6 Carefully use a hammer, tap the remaining portion of the pin

located on the back or spine of the carabiner.

2 Hold the carabiner in an upright position with the hole

9 The user of these products is personally responsible for seeking 15 Do not load carabiner from more than 2 directions. and obtaining qualified training and instruction on the proper

Captive Eve Pin Installation Guide

end flat, knurled or rough section.

10 The user must always anchor above their height.

The user of the product must keep a separate copy of the label for references and use. One is to be kept with the product, and one is to be put on file for record. The product lot number should

5000 lbs (22.7 KN) according to ANSI Z359.1 standard.

it is not safe and is considered dangerous.

present the risk of serious injury and/or death.

use, techniques and limitations involved in such use.

be kept in record as well for references. If the user is not sure or does not agree to any warning statement made above, do not use the product. Please contact the manufacturer at the number below to answer any questions or concerns that you might have.



max working load limit.



Performance, Limitations, and Compatibility

Performance, Limitations, and Compatibility

- 1 Make sure to visually and physically inspect all moving components on the equipment. 2 Make sure product does not show signs of deformation or 3 Make sure all moving components are operating correctly
 - 3 The captive eye pin and the carabiner frame are designed for "one-time" installation. 4 Captive eye pin is designed and only intended to be used a

Captive eye pin is designed for single application or use.

- a retention device keeping the position of the pin in place.
- 5 Do not tie or wrap on to the captive eve pin. The pin is not to maintain the position of the webbing in relationship to the gate of the carabiner. Nothing should ever be attached to the
- captive eye pin. The captive eye pin is designed for non-load bearing use.

Warning

performance of the product

After cleaning, store the product in a cool, dry dark place. Ave salty atmospheres, high humidity, corrosive substances or oth damaging conditions.

All moving parts must be jubricated frequently will silicone-based oil only. This operation must be done only after the unit has been cleaned and dried completely.

Rinse the product frequently in lukewarm fresh water, follow by some neutral detergent. Leave it to air dry.

A fall can reduce the lifetime of the product to one single use: for example if it is exposed to any of the following: chemicals.

extreme temperatures, sharp edges, major fall or load, etc. A visual inspection must be conducted before each use. Do not use this product if it appears to be unsafe for use. Disjontinue the

use of this product after a major fall or impart

Your safety depends upon the integrity of your equipment. Recommends a detailed inspection by a competent person at least once every 6 months . WARNING: your intensity of use may cause you to inspect your PPE more frequently. (depending on current regulations in your country, and your conditions of usage).

Verify the absence of any cracks, deformation, corrosion or wear 7 Once the pin is flushed with the frame it has been properly on the frame, rivet, gate, and locking sleeve. Verify that the gate

opens, and that it closes automatically and completely. The Keylock hole must not be blocked or plugged. Check that the locking sleeve locks and unlocks. 2 Removal or reinserting the pin can result in reduced strength

When to retire your equipment:

WARNING: an exceptional event can lead you to retire a product after only one use, depending on the type and intensity of usage and the environment of usage (harsh environments, marine environments, sharp edges, extreme temperatures, chemicals...).

A product must be retired when: It has exceeded its lifespan.

- It has been subjected to a major fall or load.
- It fails to pass inspection. You have any doubt as to its reliability. - You do not know its full usage history (e.g. an illegible product marking).
- When it becomes obsolete due to changes in legislation. standards, technique or incompatibility with other equipment... Destroy these products to prevent further use.

The determination of the product's service life must be regularly inspected by qualified and licensed inspectors, and it can only be continued to be used after obtaining permission.

The lifespan of gear is measured from the date of manufacture. not the date of sale. Refer to the Markings section of these instructions in order to determine the date of manufacture of this equipment.

Carabiners and metal products: These products are have an umlimited lifetime abut should be retired anytime from regular inspection and or inspection from a competent person.

Important Note: Even within the life span or service period. unexpected events or conditions of use can necessitate earlier product retirement, therefore, even one time use could render the product to be changed out due to variety of reasons. These reasons could include and not limited to the following: exposure to harsh environments, extreme temperatures, chemicals, or significant force.

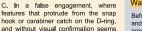
Examples of Improper Connections

A. In a way cross load



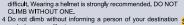
B. To a D-ring or which another connector is already attached.

_Descenders



and warnings that accompany it and accustom yourself with its proper use, capabilities, and limitations. Do not modify this product in any way. Failure to read and follow these warnings 2 Ensure that the cam and release handle move freely and that can result in severe injury or death. Descending and rappelling are skills that have to be learned and require proper instruction before use. Improper descending can result in severe injury or

is the best way to prevent an accident. 2 Self-descending climbing must only be performed by experts



- and when you will return.
- circumstances
- carabiner, be sure that you clip the carabiner and descender according to your harness manufacturer's instructions. 7 Ensure hair, loose clothing, and your brake hand do not get All moving parts must be lubricated frequently with
- become hot and potentially singe the rope or your harness.
- 9 Access from above presents a risk of falling before the rope is Cleaning installed. Be cautious and observant when approaching the
- 10Beware of rockfall while ascending and when the rope is by some neutral detergent. Leave it to air dry.
- 11Adapt your installation to the site, choose a solid anchor, and
- avoid rubbing points against edges or any protrusions. 12Sliding of the device could be caused by improper attachment The lifespan of the belay device is contingent upon the
- from foreign objects.
- 13Device loss can happen when changing systems from ascent to descent
- yourself totally from the rope. A slight bit of movement car cause the rope to move out of your reach.
- slide guickly enough to keep pace with the climb and slack is created in the rope between you and the anchor.
- allows for this during access and return.

- 1 Climbing alone is not recommended. Climbing with a partner
- 3 If an accident results in unconsciousness rescue will be difficult. Wearing a helmet is strongly recommended, DO NOT
- 5 Never take your braking hand off the rope or ropes under a 6 When attaching a descender into your harness with a locking
- caught in the descender during use. 8 Rappelling too quickly can cause any belay/rappel device to the unit has been cleaned and dried completely

- 14lf you are tied to an anchor on a slab route, do not detach
- 15 If the rope is not sufficiently weighed down, the system cannot
- 16Always stay below your anchor point. Make sure your setur

Performance, Limitations, and Compatibility

- Before using this product, read and comprehend all instructions 1 Ensure that the product has no cracks, deformation, marks, corrosion, or anything that would interfere with having a safe and successful climb.
 - the springs are working accordingly 3 Check the condition of the cam and of the friction plate.
 - 4 Ensure that there are no foreign objects obstructing the
 - mechanism and no lubricant is on the rope path. 5 Regularly monitor the condition of the product and its
 - connections to the other equipment you are using. 6 Ensure that all pieces of equipment in the system are
 - positioned correctly and will not cross each other
 - 7 Ensure that the carabiner is always loaded on the major axis and verify that it is locked.

After cleaning, store the product in a cool, dry, dark place. Avoid salty atmospheres, high humidity, corrosive substances or other damaging conditions.

silicone-based oil only. This operation must be done only after

Rinse the product frequently in lukewarm fresh water, followed

or opening of the cam during use, by rubbing or interference frequency of use and the condition it is being used in. With occasional use and proper care, the lifespan of metal products are usually about 5-10 years. With frequent use and proper care, the lifespan of metal products is usually about 2-5 years. The shelf life is indefinite. Inspect your gear for signs of damage and wear before and after each use. Damaged gear must be retired and destroyed to prevent use in the future. A few factors that can reduce the lifespan of climbing gear are as follows: falls abrasions, wear, prolonged exposure to sunlight, saltwater, and any other harsh environments. If you have any doubts about the dependability of your gear, retire it. Secondhand use is strongly

Carabiner warning label

to be fully engaged to the anchor point.

E. Directly to webbing or rope lanyard

F. To any object which is shaped or

dimensioned such that the snap hook

or carabiner will not close and lock, or

G. Connection of more than 1 D-ring

or ring at a time. Make only a single

connection for each carabiner or

snaphook each time. Multiple

connections to connector will result in

H. Unintentional roll out or disengagement

2. The gate presses against the connecting ring.

3. The gate opens allowing the snap hook to

1. Force is applied to the snap book.

where roll out could not occur

overloading the connectors.

for tie-back (unless specifically provided

by the manufacturer).



