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b) Pertormance, Limitations, and Compatibility

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Fusinn II.S.A.

FUJION www.fusionclimb.com

This packet contains warnings and instructions for the following products

of their and section in the product free product. Fusion has the right to

tent to bria artitective during the one year period after purchase and at the end of that

no asentonud to toong as banietan be taum tgiapan leniging unversioned as proof of purchase or

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VinerneW betimid

Descenders Harnesses

Engineered and Designed in U.S.A.

MODEL:NUMBER:

VER-EH092717

Warning Our carabiners are designed and tested specifically for rescue, Performance, Limitations, and Compatibility

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Lanyards

mountaineering, rock climbing, rappelling, work at height, fire, 1 Make sure to visually and physically inspect all moving industrial and technical rope work. The user of these products is responsible for the proper regular care and maintenance.

Carabiners & Hooks

2 Improper use, abuse and/or lack of proper care and 3 Make sure all moving components are operating correctly 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, OSHA, ANSI and all other applicable State and Federal 5 Make sure gate opens completely, and closes completely. egulations 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 thoroughly read and understood before and after each use. All Fusion products are designed and tested specifically for human 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 After cleaning, store the product in a cool, dry dark place. Avoid have one connection point using equipment or gear that is rated greater than 5,000 lbs. The manufacturer's suggested Max Working Load Limit (WLL) for any Fusion carabiner and

connectors is 448 lbs(2 KN). Do not use product exceeding its 9 Avoid contact with abrasive or sharp surfaces. max working load limit. 10 User must receive training before using the product. The anchorage of any fall arresting system must be greater than

11 Carabiners are designed to be loaded along their major axis silicone-based oil only. This operation must be done only after 5000 lbs (22.7 KN) according to ANSI Z359.1 standard. The user of these products in any application or manner assumes all risks and accepts full responsibility for any damages and injury of any kind, from the use of these products.

For all work requiring the use of Personal Protective Equipment, 12 Carabiner with its gate open can fail at less than half its major Rinse the product frequently in lukewarm fresh water, followed it is not safe and is considered dangerous. Works or activities as such are inherently dangerous and 13 Avoid situations where the gate could open accidentally

present the risk of serious injury and/or death. during use. 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 prope

use, techniques and limitations involved in such use. 10The user must always anchor above their height.

1 Identify the captive eye pin if it's included with the product. The user of the product must keep a separate copy of the label 2 Hold the carabiner in an upright position with the hole For normal use, the pulley should be replaced every 24 months. 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 3 Inspect the pin, it has one end that is smooth and the other use this product if it appears to be unsafe for use. Disiontinue the be kept in record as well for references.

pointing up. end flat, knurled or rough section 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 5 Slide the pin downward until it has partially entered the hole or concerns that you might have.

Fusion climb specializes in a variety of harness types ranging

caving and zip line harnesses. Through years of research and

manufacturing we've been able to create a full line of products that meet and exceed all safety standards yet are extremely

comfortable and affordable no matter which application o

1 This product must only be used by competent and responsible

persons or those placed under the direct and visual control of

2 You are responsible for knowing and/or familiarizing yourself

3 Before each use, check the condition of the webbing at the

4 Check for cuts, wear and damage (look for cut or torn

5 Check buckles to ensure that they operate correctly. Tie in

6 DO NOT tie into belay loop or haul loop; they are to be used

7 Gear loops are intended for carrying gear ONLY, DO NOT use

using only approved knots at the proper tie-in point.

as a safety attachment or load bearing attachment.

Read and understand all instructions for use.

-Understand and accept the risks involved.

8 You are responsible for your own actions and decisions.

Become acquainted with its capabilities and limitations.

Performance, Limitations, and Compatibility

Failure to heed any of these warnings may result in severe

for your application before carrying out the risk-related activity.

Full Body Harness Weights by (Series) in lbs.

(201) 2 25 lbs (500) 3 13 lbs (107 109 201 205 55) 4 69 lbs

(203, 320) 5 lbs, (202, 300, 588) 5.44 lbs, (503, 505) 5.94 lbs,

(115, 206, 215) 5.63 lbs, (501) 6.25 lbs, (688) 8.5 lbs,

(501, 603, 605, 608) 6.65 lbs. Approx. ± 1.5

tie-in point, the adjustment buckles and the safety stitching.

Harnesses

information.

threads)

iniury or death.

adventure you're looking for! Warning

a competent and responsible persons

as load bearing loops, not tie in point.

9 Before using this equipment, you must:

-Get specific training in its proper use.

from tactical and safety harnesses to rock climbing, big wall, Proper Fit

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

NYLON LOOP

with the product by using the provided instructions and Pass through buckle

exceed 310 pounds. Comfort is also related to safety and long snerve line of the name periods of hanging can result in extreme pain, numbness, blood

located on the back or spine of the carabiner.

Captive Eve Pin Installation Guide

Performance, Limitations, and Compatibility

2 Make sure product does not show signs of deformation or

safety of using the equipment, mark equipment unusable and

destroy or remove the product from use or service

other way or manner reduce its strength to the point where it

Contact the manufacturer when in doubt.

may fail under normal use or climbing loads.

8 Only make compatible connections.

components on the equipment.

and safely

immediately

axis strength.

Too Loose

- a

Fusion harnesses have been tested in accordance with ANSI to carefully inspect all parts and connections on this harness

Z359.1, CE, ASTM standards and applicable OSHA regulations before and after every use. To ensure the quality of your safety

Fusion Full-body harnesses meet or exceed the required harness, we advise you to keep an inspection record. Maximum

optimize protection, in some instances it may be necessary to transporting and using it. Avoid impacts or rubbing against

use this harness with suitable attachment devices. Please make abrasive or sharp surfaces. It is up to the user to foresee

sure that all your protective products are compatible and suitable situations requiring rescue in case of difficulties encountered

performance levels. Never use this product for weights that shelve life of the harness is 5 years after date of production.

product.

A In a way that would

6 Carefully use a hammer, tap the remaining portion of the pin into the carabiner frame. Do not touch or tap the surface/body

result in a cross load on the gate.

Just Right

Quick release buckle

Captive eve pin is designed for single application or use.

2 Removal or reinserting the pin can result in reduced strength

3 The captive eye pin and the carabiner frame are designed for

4 Captive eve pin is designed and only intended to be used as

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

The captive eye pin is designed for non-load bearing use.

All moving parts must be lubricated frequently with

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,

intense use, the carabiner should be replaced every 12 months.

extreme temperatures, sharp edges, major fall or load, etc. For

A visual inspection must be conducted before each use. Do not

connector

is already

attached

B. To a D-ring or which anothe

by some neutral detergent. Leave it to air dry

use of this product after a major fall or impart.

major fall or impact.

camples of Improper Connections

user should always keep an inspection record.

Full Body-Harnes

that you will hang. The safest and most desirable position is a

₹££Û\IOU

Date of Mfg:__

Use an approved knot at the tie-in points on your

inches below the chest harness carabiner.

A WARNING!

ESPONSIBLE FOR YOUR OWN ACTIONS AND DECISIONS. FNLOW Visit us at www.fusionclimb.com

upward position.

maintain the position of the webbing in relationship to the

gate of the carabiner. Nothing should ever be attached to the

performance of the product

"one-time" installation.

captive eye pin.

damaging conditions.

ubrication

product does not show signs of deformation or distress. salty atmospheres, high humidity, corrosive substances or other

(end to end) with the gate closed. Loading the product in any the unit has been cleaned and dried completely.

inserted

Too Tight

Must pass throug

Storage and Transportation

pooling in legs, changes in blood pressure and fatal errors. To To prolong the life of this product, care is necessary when Harness warning label

and pass back to minimize web slip

When not in use, store the harness in a well-ventilated area

away from extreme temperatures. Never place any heavy items

on top of it. Avoid excessive folding and store the harness

hanging vertically. If the product gets wet, allow it to dry fully

before placing in storage. To prolong the life of this product, care

is necessary when transporting and when in use. Avoid impacts

or rubbing against abrasive or sharp surfaces. It is up to the user

to foresee situations requiring rescue in case of a difficult

while using this product. Do not use any product showing signs

of wear which may affect its strength or operation. For your

safety we advise you to carefully inspect all parts and

connections on this harness before and after each use. To

ensure the quality of your safety harness, we advise you to keep

an inspection record. Discontinue use of this product after a

situation while using this product. For your safety we advise you

of the carabiner.

7 Once the pin is flushed with the frame it has been properly

C. In a false engagement, where features that protrude from the snap hook or carabiner catch on the D-ring. and without visual confirmation seems to be fully engaged to the anchor point.

O

Lanyards

working properly.

before beginning

pack configurations.

free fall



E. Directly to webbing or rope lanyard or tie-back (unless specifically provided by the manufacturer).

To any object which is shaped or dimensioned such that the snan hook or carabiner will not close and lock or where roll out could not occur

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 overloading the connectors.

H. Unintentional roll-out or disengagement. 1. Force is applied to the snap hook. The gate presses against the connecting ring. The gate opens allowing the snap hook to slip off.



Even though no external signs may be visible, damage cannot This product must only be used by competent and responsible Even though no external signs may be visited out and the product must only be used by competential and the direct and visual control of a persons or those placed under the direct and visual control of a competent and responsible person according to OSHA. Please varies greatly depending on frequency of use, intensity of use, follow all ANSI and OSHA standard required training and Varies greatly depending of inductors and the second secon snow, ice, moisture and chemicals which will considerably determine the proper use and capacity of the system. Do not Show, ice, intostate and cherefore shorten the life of the harness. accelerate wear and therefore shorten the life of the harness. DO NOT MACHINE WASH OR DRY THIS PRODUCTI a competent person. Be certain this equipment is suitable for Hand-wash using mild detergent and then air dry. Preferred the intended use and work environment. Check for cuts, wear, method of storage is hanging in a cool dry place. Avoid folding or and damage (look for cut or torn threads on webbing). Check stacking heavy items on top of the product. To ensure quality, connectors to ensure that they operate correctly. Before and after each use ensure snap hook/ carabiner locking mechanism is functioning properly. Ensure that there is no pressure on the snap hook locking part that would be capable of depressing it, as this will render it incompatible and very susceptible to rollout.

> 1 Before each use of this equipment, carefully inspect it to assure that it is in usable condition. Check for damaged or worn out parts. Make sure that all hardware is present and secure. Ensure self-locking snap hooks or carabiners are

2 Plan your restraint, working position, suspension, or rescue

3 Do not use hooks or other connectors that will not completely close over the attachment object

WARNING: Only completely compatible connections are allowed to be used with the connecting loops. The use of 2 Stand in an upright position and extend the knot upward 2 self-locking and or non-locking snap hooks may result in accidental disengagement from the web loops. Failure to follow Clip the end of the rope through the locking carabiner and lock the above instructions could result in serious injury or death.

the gate. The rope extending upward will determine the angle Performance. Limitations, and Compatibility

20 degree angle between your spine and the rope, in an Lanyards are to be used as part of a personal restraint, work positioning, suspension, or rescue system. The D-ring extension assembly also may be used as part of a personal fall arrest system, but only if it is attached to a self-retracting lifeline or an energy absorbing lanyard. Applications can include: inspection work, construction, demolition, maintenance, and confined space rescue. For fall arrest situations, must lanyard with shock

> Restraint: The lanyard is used to prevent the user from reaching a hazard, and "No" vertical free fall is possible.

Work positioning: The lanyard is used to support the user at the work position, such as window washing. Two feet maximum

Descenders

Before using this product, read and comprehend all instructions 1 Ensure that the product has no cracks, deformation, marks proper use, capabilities, and limitations. Do not modify this product in any way. Failure to read and follow these warnings can result in severe injury or death. Descending and rappelling are skills that have to be learned and require proper instruction 3 Check the condition of the cam and of the friction plate before use. Improper descending can result in severe injury or 4 Ensure that there are no foreign objects obstructing the

- 1 Climbing alone is not recommended. Climbing with a partner is the best way to prevent an accident.
- Self-descending climbing must only be performed by experts. 3 If an accident results in unconsciousness, rescue will be difficult. Wearing a helmet is strongly recommended. DO NOT CLIMB WITHOUT ONE
- 4 Do not dimb without informing a person of your destination Storage and when you will return.
- 5 Never take your braking hand off the rope or ropes under any circumstances.
- 6 When attaching a descender into your harness with a locking carabiner, be sure that you clip the carabiner and descender according to your harness manufacturer's instructions.
- caught in the descender during use.
- 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 anchor
- moving. 11Adapt your installation to the site, choose a solid anchor, and Usage Lifetime avoid rubbing points against edges or any protrusions.
- 12Silding of the device could be caused by improper attachment The lifespan of the belay device is contingent upon the from foreign objects.
- to descent.
- cause the rope to move out of your reach.
- 15 If the rope is not sufficiently weighed down, the system cannot
- I6Always stay below your anchor point. Make sure your setup allows for this during access and return.

Suspension: The lanyard is used with a chair or other support Proper Connection of a Lanyard system to suspend or transport the user vertically. No vertical free fall possible.

Rescue: The lanyard is used to retrieve a victim in a rescue, such as confined space rescue. No vertical free fall possible.

Fall Arrest: Where the possibilities of the fall is present. The user is required to use a full body harness in conjunction with a shock pack lanyard

Lanvards must be compatible with:

Anchorage/anchorage connecto

- 2 For general restraint, lanyard can be connected to the D-ring of a full body harnes
- 3 Rope grab
- 4 Self-retracting lifeline-for restraint applications only 5 Wristlet-for emergency rescue only
- 6 D-ring extension assembly

Storage and Transportation

The lanyard needs to be stored in a cool, dry, clean environment out of direct sunlight. Do not place in areas where it may be exposed to chemical vapors. Inspect the lanvard thoroughly if it has been in storage for an extended period of time. To prolong the life of this product, care is required when transporting or using Avoid sharp or abrasive surfaces when transporting, do not leave in direct sunlight, and we recommend using an inspection sheet after every time of use.

Care Instructions

Hand wash the lanyard with water and a mild detergent. Wipe the hardware off with a clean, dry cloth and hang vertically to air dry. Do not force dry with any type of heat. Clean after each use. Excessive buildup of dirt, paint, or any other conflicting substance may prevent the lanvard from working property. In severe cases, build up can degrade the webbing or rope to a point where it has become weakened and should be removed from service immediately. The actual life of the lanyard varies greatly with abrasive materials, sharp edges, and exposure to adverse elements such as contact with salt, sand, snow, ice moisture and chemicals which will considerably accelerate and therefor shorten the life of this lanvard. DO NOT MACHINE WASH OR DRY THIS PRODUCT

Performance, Limitations, and Compatibility

- and warnings that accompany it and accustom yourself with its corrosion, or anything that would interfere with having a safe and successful dimb
 - 2 Ensure that the cam and release handle move freely and that the springs are working according

 - mechanism and no lubricant is on the rope path. 5 Regularly monitor the condition of the product and
 - 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.

Ensure hair, loose clothing, and your brake hand do not get All moving parts must be lubricated frequently with silicone-based oil only. This operation must be done only after Rappelling too quickly can cause any belay/rappel device to the unit has been cleaned and dried completely

Rinse the product frequently in lukewarm fresh water, followed 10Beware of rockfall while ascending and when the rope is by some neutral detergent. Leave it to air dry.

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 3Device loss can happen when changing systems from ascent are usually about 5-10 years. With frequent use and proper care the lifespan of metal products is usually about 2-5 years. The 14If you are tied to an anchor on a slab route, do not detach shelf life is indefinite. Inspect your gear for signs of damage and yourself totaly from the rope. A slight bit of movement can wear before and after each use. Damaged gear must be retired and destroyed to prevent use in the future. A few factors that car reduce the lifespan of climbing gear are as follows: falls slide quickly enough to keep pace with the climb and slack is 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









discouraged