



General information – English

This general information explains how to use correctly the connectors.

The general information must be associated to the technical data sheet.

Read both documents to have a complete information and ascertain to understand well all the information, before using the products. Only the techniques shown without symbol of death are authorized. Keep up with the updates and of all the additional information on the site www.lappasclimbing.com.

In case of doubt or difficulty to understand the information, don't risk, but contact:

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CONNECTOR CLASS B:

Model: Carabiner LC-31610

Carabiner LC-31612

Reference Standards:

- 1) **EN 12275:2013 | CLASS B Connector – Basic Connector**
- 2) **UIAA 121-3 | Connectors**

Material: Stainless AISI 316/L

USE AND APPLICATION

Openable device, which enables a mountaineer to link himself directly or indirectly to an anchor, for use anywhere in a belay system. This connector is intended for rock climbing, caving, canyoning and mountaineering.

This CLASS B Connector – Basic Connector has been tested according to EN 12275:2013, for use by one person and has an adequate strength.

The connector is also tested according to UIAA 121-3 - Connectors.

The purpose of this connector is to protect those who use it against falls from a height. When the anchor device is used as part of a fall arrest system, the user must be equipped with the necessary means to limit the maximum dynamic forces exerted on them during the arrest of a fall.

WARNING:

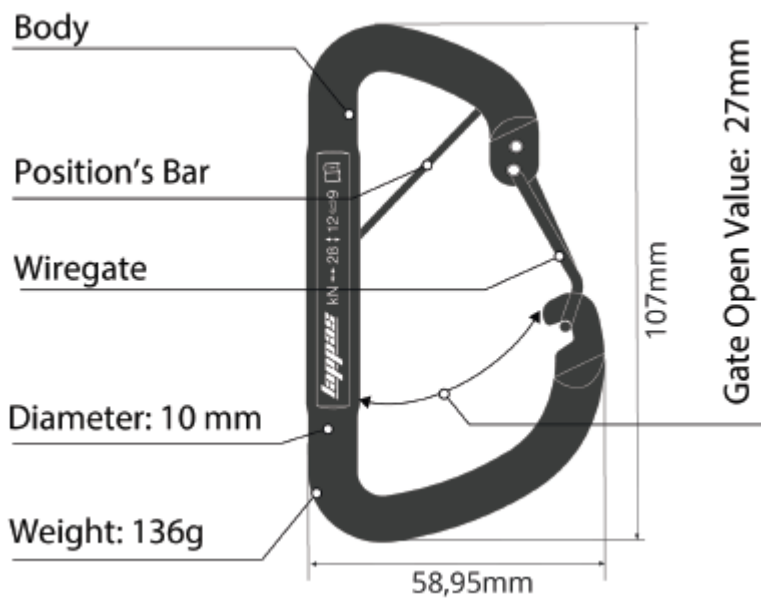
Don't stress the product beyond its limits or in other different situations than that for which it is intended. Check that the product is compatible with the other materials you want to use: contact LAPPAS S.A. if you are not sure of compatibility.

Attention:

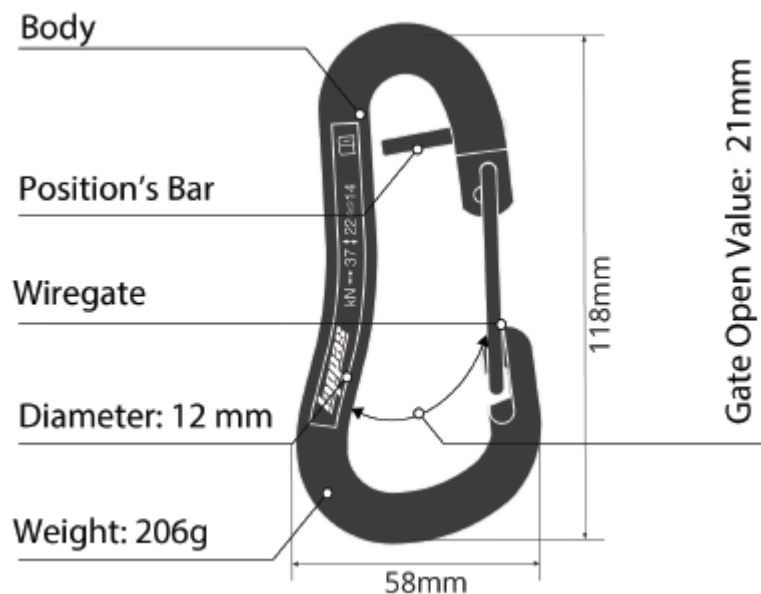
Activities involving the use of this device are all dangerous and high-risk and may also involve in fatal injuries. Make sure you fully understand the use of this product and work out in how to use it, to familiarize yourself with it and learn to know its performances and limits.

NOMENCLATURE

A) CARABINER LC-31610



B) CARABINER LC-31612

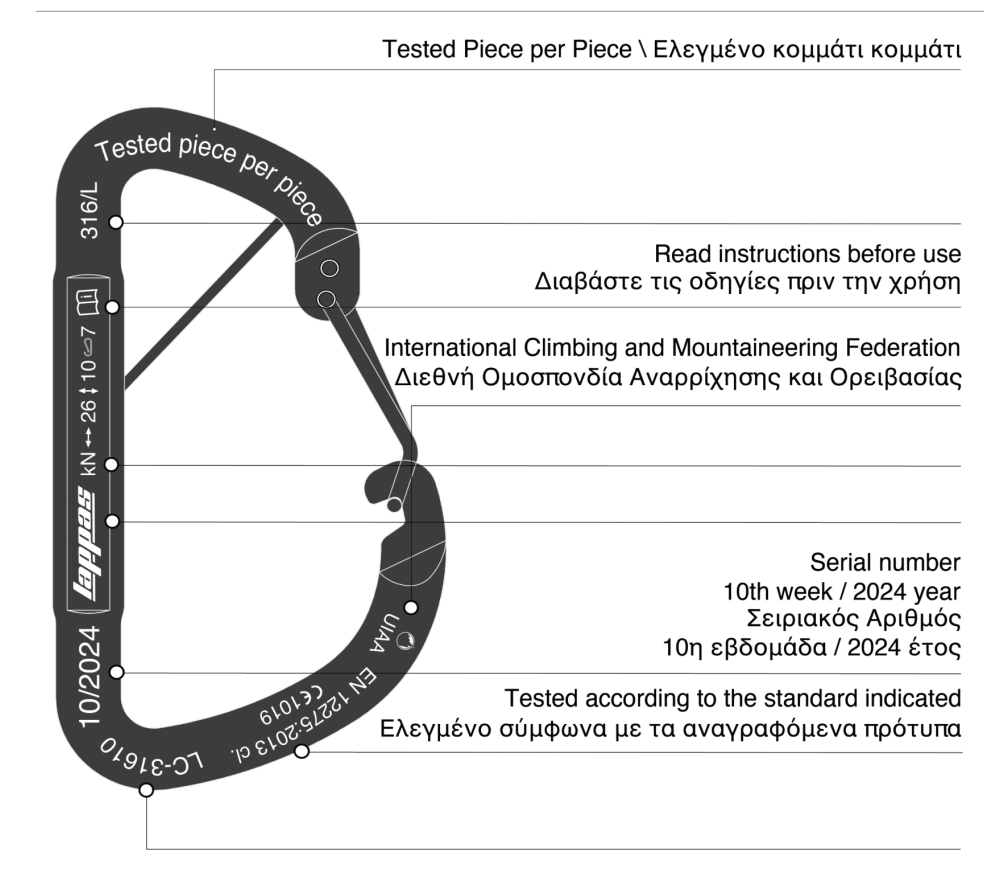


MARKING

- Producer: Lappas S.A. – identified with logo “Lappas”
- Identification of the model: LC-31610 | LC-31612
- Pictogram indicating the need to read the instructions before use



- Identification serial number
Serial number (week/year): example 10/2024
 - 10= week of year
 - 24=2024 year
- Reference Standards: EN 12275:2013 & UIAA 121-3
- CE: CE1019
*CE is conformity mark confirming compliance with the PPE requirements of Regulation 425/2016 and 1019 is the number of the notified body performing conformity to type procedure (checking of manufacturing).
- Class of the Connector: B
- Material: Stainless Steel AISI 316/L



	Tested Piece per Piece \ Ελεγμένο κομμάτι κομμάτι
	Tested according to the standard indicated Ελεγμένο σύμφωνα με τα αναγραφόμενα πρότυπα
	Material: 316/L Υλικό: 316/L
	Read instructions before use Διαβάστε τις οδηγίες πριν την χρήση
	International Climbing and Mountaineering Federation Διεθνή Ομοσπονδία Αναρρίχησης και Ορειβασίας
	Strength / Φορτίο
	Brand / Μάρκα
	Serial number 10th week / 2024 year Σειριακός Αριθμός 10η εβδομάδα / 2024 έτος
Model: LC-31612 Μοντέλο: LC-31612	

Markings should always be visible for the lifetime of the product and must not be removed. If the marking of the connector is no longer accessible after installation, it must be provided some additional markings near the device.

CARABINER LC-31610:

Breaking Load major Axis-gate closed: 26kN

Breaking Load major Axis-gate opened: 7kN

Breaking Load minor Axis: 10kN

CARABINER LC-31612:

Breaking Load major Axis-gate closed: 35kN

Breaking Load major Axis-gate opened: 12kN

Breaking Load minor Axis: 20kN

Risks of use and responsibility

This product should only be used by competent persons who have received the adequate training and having been subjected to visual inspection by a trained instructor and competent person. It's your responsibility to know this product, learn to use it, learn the proper techniques and the safety measures. You alone are solely fully all risks and responsibilities for any damage, injury or death which may deriver to yourself or others persons, following incorrect use of each kind of product of the company LAPPAS S.A..

Keep these instructions that describe the range of use and the methods of application of the product. With these instructions you don't learn the techniques of climbing, alpinism or any other associated activities: before using this product, you should have received adequate training in this regard.

You are responsible to consider all the notices and updates regarding these products.

No liability will be recognized by the company LAPPAS S.A. for damages, injuries or death caused by: improper use (also due to support or unsuitable environment), stresses the product beyond its limits, modification of the product, repairs made by unauthorized persons.

If you are not able to undertake this responsibility and take these risks, do not use these products. Your life depends on the continual efficiency of your equipment (we strongly recommend that the equipment is for personal use) and its history (use, storage, controls, etc.).

If the product is not for personal use (for example is of associations), we strongly recommend that the pre and post use controls carried out by a competent person. Check and make sure that all the anchors do not show signs of cracks or wear.

Before using the equipment consider as a possible rescue, in case of emergency, it can be performed safely and efficiently.

CHECKS AND INSPECTIONS

Before each use

Before each use, make sure that the product is:

- in very good condition and works properly, check the correct operation of the locking lever (must return to lean well to the body of the carabiner when you closed it) and remember the fact that a carabiner loses half of its resistance when the lever is open.
- suitable for the use you intend to do: they are authorized only the techniques not crossed out, any other use is forbidden: beware of death! The examples shown in the technical sheet are just some of the wrong applications: there are many other more that is impossible to list
- free of cracks, deformations and corrosions

Check carefully the state and the type of support in that you want to fix the product. If the rock is cracked, etc., avoid it. If you have the minimum doubt about the safety and the effectiveness of the product, replace it immediately.

During each use

Check regularly the state of the product and make sure you have correctly connected all devices among themselves. Check visually the goodness of the connectors.

The resistance of natural/not natural anchors, in the rock, can't be guaranteed in advance, so it's necessary a critical judgment by the user, to guarantee an appropriate protection.

COMPATIBILITY

This product can be used in conjunction with personal protective equipment, in compliance with the "PPE Regulation 425/2016" and in accordance with the instructions of use (if devices are compatible there is a good functional interaction).

Compatible devices are, for example, manufactured and certified harnesses according to EN 12277, dynamic ropes certified according to EN 892, rings of tape according to EN 566, etc.

The connector must be compatible to the device to which it is connected. If the connection is incompatible, you can compromise the security features of the system (release or break).

WARNING:

Please avoid the use of these connectors with others devices made of different materials. For example, do not use connectors made of stainless steel and galvanized steel plates, because in hostile environment there will be obtained modest effects of galvanic corrosion.

Contact LAPPAS S.A. if you are not sure of the compatibility of your device.

OPERATING MODE

Installation

Remove the locking bar and insert the carabiner into the anchor in the right position, as shown in the attached technical data sheet.

WARNING:

The frequent use of rope will wear the Carabiner. To replace it you need to remove the locking bar.

Resistance

Our products comply with the requirements of EN 12275:2013 (see attached technical data sheet) and they also comply with the requirements of UIAA 121-3.

Please note that the company LAPPAS S.A. disclaims any responsibility in case of improper installation and/or use in inappropriate rocks.

Precautions for use

Attention: after a fall or a major impact, check that:

- The Gate of the carabiner closes properly
- The Carabiner doesn't show cracks, deformation, cracking of the body and of the finger and look at that the anchor is not rotated or moved.

If you 're in doubt replace it.

Use only if the external temperature is between -40o and +50o C.

For safety purposes, it is essential, to the systems of arrest fall from a height that the anchor point is always placed, if possible, above the user. Use a harness (sit harness or full body harness), fixing is performed so as to minimize potential falls and their height.

The position of the anchor is essential for safely blocking a fall: carefully verify what will be the height of the fall, the length of the rope and the "pendulum" effect to avoid all possible obstacles (ex. the ground, rubbing against the rocks, etc.)

Always make sure that the connector inserted in the anchor is free to move and position in the right direction of load application.

Do not open the carabiner when it is under load.

COMPLEMENTARY STANDARDS INFORMATION

- Allow a sufficient height under the user so, in case of fall, do not collide with obstacles (remember that also the length of the carabiner can affect on the height of the fall).
- Check to use the product with respect to government regulations and the safety regulations in force.
- Respect all the instructions of use given in the general information of each device used or associated with this product.
- All the instructions of use must be provided to the user of these devices.

GENERAL INFORMATION

Life time

The potential life time of the Lappas products is undefined (it is advisable to replace them anyway after 10 years).

It is known that equipment may degrade progressively when it is used, so the actual life time of the products cannot be quantified precisely, but occurs when the product becomes obsolete in the system or when it meets one of elimination.

The lifetime is also reduced considerably by the conditions and intensity of use: heavy use, contact with chemicals substances, use near sea water or splashing water (in this case we recommend to use our “Marine” anchors line, which are much more resistant to corrosion of salt), high temperatures, abrasions or cuts, damage to parts/components of the product, chemical environments, mud, sand, snow, ice, competence of the user, violent shocks, storage, are some of the factors that accelerating product wear.

WARNING:

The duration may be limited to only one use in specific conditions (contact with acids, dangerous chemicals products, if the product suffers sharp falls or tensions, etc., this list is endless). If it's installed in a marine environment or other potentially corrosive environments, it would be better to use materials with high corrosion resistance. Despite this, we invite the installer to monitor and inspect the anchors at regular intervals to check their statue.

Elimination

Do not use the product:

- after a violent fall, since no visible deformations could be considerably impaired resistance
- if the result of the check is not satisfactory
- when you do not know the entire history of its use and when it becomes obsolete and you have the slightest doubt about its reliability
- if the locking bar has been removed from the body of the carabiner
- when there’s an incorrect connection between the lever and the body of the carabiner.
- when there’s a general wear of the body and/or significant of the reduction of the throat’s section
- if there’re cracks, wear or defects
- when corrosion severely alters the surface condition Destroy retired equipment to prevent further use.

Product obsolescence

The product may be judged obsolete and thus retired from service, when they occur, for example, incompatibility with other equipment, changes in applicable standards, etc.

Chemical products

All chemicals, solvents or corrosive substances can be very dangerous for these items. If there's a chance to come in contact with these substances contact directly LAPPAS S.A. indicating composition and exact name of the product, so we can respond properly after studying the case.

Changes and repairs

Modifications and/or repairs not authorized by the company LAPPAS S.A. are prohibited because they can reduce product performance. Repairs or modifications must be carried out inside the department production of LAPPAS S.A. and not outside.

Warranty

This product has a 3-year warranty, against every defect in manufacturing or material. The guarantee excludes oxidation, normal wear and tear, modifications or alterations, incorrect storage, damage due to accidents, incorrect storage, negligence and improper use.

Transport

It does not need any special precautions for transportation, however avoid contact with chemical reagents or other corrosive substances and adequately protect from any pointed objects or sharp.

You can transport the device in plastic bags or in carton boxes.

Maintenance and storage

The user should not perform any special maintenance, but should be limited to the cleaning of the product as explained below.

Cleaning: rinse frequently the product only with lukewarm fresh water (max 40°C). Leave it to dry naturally away from sun. Do not put the product in contact with corrosive substances or solvents. Do not store at extreme temperatures.

Storage: after cleaning and drying, store the equipment in a dry, cool, dark place (avoid UV rays), chemically neutral place (absolutely avoid saline environments), away from sharp edges, heat, humidity, corrosive substances or other potentially harmful conditions.

Caution: Do not store when wet! Improper storage, as well as the aging of the product, may damage it and impair its performance and safety.

Disinfection of product

Disinfection is not recommended.

Testing and conformity

This product meets requirements of PPE Regulation 425/2016, the standard EN 12275:2013 and UIAA standard 121.

Conformity to type was done by and performing conformity to type procedure is done by notified body 1019, VVUÚ, a.s., Pikartská 1337/7, 716 00 Ostrava – Radvanice, Czech Republic.

Attention: laboratory tests, the instructions for use and standards are not always able to reproduce the practice, so the results obtained in real conditions of use in natural environments may sometimes differ to a considerable degree. The best instructions can be had from continuous use under the supervision of qualified and prepared instructors.

Declaration of Conformity

The Declaration of Conformity is available on the website: www.lappasclimbing.com