

GENERAL INFORMATION

(USE, STORAGE, INSPECTION AND MAINTENANCE)

These instructions inform you about the correct use of the connector: **read and keep these instructions**. Adhere strictly to the following advice and recommendations :

1. This equipment should be used only by trained and competent persons or the user should be under the direct supervision of a trained and competent person.
2. The activity for which these product may be used, is inherently dangerous. The consequences of incorrect selection, use or maintenance of equipment could result in damage, serious injury or death.
3. It is user's responsibility at all time to ensure that he/she understand the correct and safe use of any equipment supplied by or through this Manufacturer, use it only for the purposes for which it is designed and practices all proper safety procedures.
4. The manufacturer or supplier will not accept any responsibility for damage, injury or death resulting from misuse.
5. Your life depends on your equipment and on its history (use, storage, inspection, etc). Record and keep with these instructions: batch number, place and date of purchase, date when first used and inspections, user's name and comments.
6. The user must be medically capable to control his own security and any possible emergency situations.
7. Before using the equipment, take all necessary steps to familiarize yourself with rescue techniques should an emergency occur.
8. For equipment intended for use in fall arrest systems, it is essential for safety that the anchor device or anchor point should always be positioned, and the work carried out in such way as to minimize both the potential for falls and the potential fall distance. In addition, user must verify the free space required beneath he/she at the workplace before each occasion of use, so that, in the case of a fall, there will be no collision with the ground or other obstacle in the fall path.
9. The length of the connector should be taken into account when used in any fall arrest system as it will influence the length of the fall.
10. Care should be taken when using fall arrest systems around moving machinery and electrical hazards to avoid snagging, entanglement and/or electrical shock
11. It is essential for the safety of the user that if the product is re-sold outside the original country of destination the reseller shall provide instructions for use, for maintenance, for periodic examination and for repair in the language of the country in which the product is to be used.
12. Do not under any circumstances modify this product, because alterations may render it ineffective, and under no circumstances should any attempt be made to repair a damaged or defective product. If there is a doubt on whether this product is damaged or defective, replace it.

Use:

The product should only be used as instructed and no alterations to it should be made. It may be used in conjunction with any appropriate equipment of suitable specification with due consideration to the limitations of each individual piece. Where possible this product should be treated as personal protective equipment. The minimum strength of the product covered by this manual when type tested new is in accordance with EN standard(s) applicable. This product should only be used in conjunction with equipment and components approved and compatible with the above standard(s).

Falls:

Be aware that any product in the safety system can be damaged in a fall and consequently should always be examined for defects before re-use. The examination must be carried out by a competent person, and written confirmation that it is acceptable for re-use. If the product or any of the components part in the system exhibits sign of wear or defect, or if there is any doubt, replace it.

Inspections:

Immediately before use, the user should make a visual inspection of the equipment to ensure that it is in a

serviceable condition. If any part of the equipment appears to be suffering from any defects, wear corrosion or contamination by chemicals, it should be withdrawn from service. The user's life depends on it.

Chemicals:

Avoid all contact with chemical reagents which could affect the performance of the product.

Cleaning:

Wash in warm water of domestic supply quality (maximum temperature 40 °C). Rinse and dry naturally in a warm room away from direct heat.

Lubrication:

Lubricate the gate mechanism with a silicone based lubricant. This should be carried out after cleaning.

Note: Cleaning and lubrication is recommended after every use in marine environment.

Maintenance/Service:

In addition to the normal inspection required before use, this item of equipment should be periodically thoroughly examined by a competent person once every 6 months at least. Any item showing any defect should be withdrawn from service immediately. During the examination, pay particular attention to:

Metal parts: General wear, corrosion, gate malfunction, chemical contamination, mechanical deformation/distortion;

Storage: Store unpacked in a cool, dry, dark place away from excessive heat or heat sources, high humidity, sharp edges, corrosives or other possible causes of damage. Do not store wet.

Obsolescence:

We are required by the EC Directive 89/686/EEC to give an obsolescence date. It is very difficult to be precise but a conservative estimate for this item of equipment is limited to a lifespan of ten years after first use. Please note that factor such as the following, will reduce the safe working life: general wear, corrosion, gate malfunction, chemical contamination, mechanical deformation/distortion, high impact load, high temperatures, prolonged exposure to UV light including sunlight, abrasion, cuts, or failure to maintain as recommended. When suspect that the product is no more safety and reliable, REMOVE FROM SERVICE AND REPLACE, before taking actions making the situation worse.

Transportation:

Care should be taken to protect the equipment against risks such as those detailed.

1 year guarantee:

This product is guaranteed for 1 year against any faults in materials or manufacture. Limitations of guarantee are: normal wear, modifications or alterations, incorrect storage, corrosion, damage due to accidents and negligence, uses for which this product is not designed.

CE certifying body:

SATRA Technology Centre Ltd
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United Kingdom



433007 (EN362:2004)



Material: Steel / **Locking mechanism:** Manual locking / **Gate opening:** 15mm / **Length:** 107mm / **Weight :** 163g

SPECIFIC INFORMATION

This equipment is intended for use as a connector in personal fall arrest systems, work positioning, travel restraint and rescue systems. The use of this equipment, combined with other components of personal protective equipment, must conform to these instructions of use and to the standards which apply.

Installation (drawing 1):

1.A. The connector must always be used with the gate closed and locked. The strength of a connector is greatly reduced when the gate is open.

1.B. Unlocking and opening the gate single-handedly. To open the gate, screw the sleeve towards the hinge until it clears the nose, then open the gate. To lock the gate, screw the sleeve snugly as far as it will go over the nose of the connector. Check the gate to ensure that it is locked closed.

1.C. Nothing must obstruct the free movement of the connector; any external stress, constraint, or support will reduce its strength. Always avoid loading a connector across its gate face or gate side! The connector is strongest when it is closed/locked and loaded along its major axis. Loading in any other direction reduces its strength, and is considered misuse.

1.D. A metal device, such as a descender, can act as a lever on the gate of a connector. Loading such a device when it is positioned against a connector may cause the locking sleeve to break. The connector gate may then open, and the device could become detached from the connector. Because of the lever effect, one person's weight can be enough to break the locking system. Verify proper positioning of the device in the connector before loading the system.

For anchoring use :

For correct use and for connection to a safe anchor point, to a subsystem (for example energy absorber, a lanyard and a connector) and other components of a fall arrest system (drawing 2.B, 2.C). Avoid situations presented in drawing 2.D to 2.J. It is recommended that the anchor point be above the user and positioned such that the connector cannot come into contact with sharp edges and/or an abrasive surface whilst in service. Gate opening dimensions vary from connector to connector and you should ensure that it is suitable for use with your anchor point so that it closes fully after attachment. It is recommended that the diameter of the anchor be no greater than the gate opening of the connector.

(EN standard)The anchor point of the system should preferably be located above the position of the user and must have a strength according to EN 795 (> 15KN) (drawing 2.A, 3).

If in doubt of the anchor point's suitability/compatibility, DO NOT attach this product to it.

Inspection instructions :

The connector MUST be checked to ensure it is in proper working order BEFORE EACH USE. During the inspection,

the gate should be released slowly in order to nullify the spring action. If the gate does not come back properly when closing, or the gate locking system functions incompletely or wrongly, the connector must not be used. Never use a connector if it is just partially locked. The automatic closing must be carried out completely, without any external aid. In certain environments, contaminants (mud, sand, paint, ice, etc.) can prevent the automatic locking system from working. If one of the defects appears, after cleaning, oil the gate mechanism with a silicon based lubricant. Note: Cleaning and lubrication is recommended after every use in a marine environment. If, after oiling, the defect persists, the connector must be taken out of use. In addition to the normal inspection required before, during and after each use, this product should be inspected by a competent person every 6 months; the recording of this check should be done on the inspection sheet of the connector. If any of the following defects are present, the connector should be withdrawn from service immediately:

1. Deep corrosion (does not disappear after a light rubbing with glass paper).
2. Play or exit of the rivet from the gate.
3. Incorrect placement of the gate on the connector body.
4. Play or exit of the rotation axis of the gate.
5. General wear and tear of the body which causes a significant reduction of the body section; presence of dents on body; if the dent depth and/or if the reduction of the body section is greater than 1mm.
6. Presence of cracks particularly on the gate axis.

Any product or component showing any defect or wear, should be withdrawn from service immediately. If in doubt about a product, DO NOT USE IT. Each product in the safety system can be damaged during a fall and always must be inspected before using it again. DO NOT CONTINUE TO USE a product after a major fall, because damage may have occurred, even if no external signs are visible.

Marking informations (drawing 4):

CE 0321

EN362:2004



CARABINERS

User instruction manual (English version)



Read this notice carefully

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Model

Batch N°

Year of manufacture

Purchase date

Date of first use

User

Note

Inspection at least once every 6 months

[illegible]