

Instruction Manual for Tightline Arb TLAO25 Carabiner

1. Identification

Manufacturer: Tightline Arb UK Ltd

Address: 33 Hamilton Drive, Newton Abbot, Devon, TQ122TL, England

Product: TLAO25 Automatic Locking Gate Connector

Class: Class B (EN 362:2004)

Type: Automatic locking gate connector (EN 12275:2013)

Use: Connector (for fall protection PPE)

Notified Body: VVUÚ a.s., Pikartská 1337/7, Ostrava-Radvanice, 716 07, Czech Republic

NB Identification Number: 1019

Conformity Assessment: Module B (EU Type Examination) + Module C2 (supervised production control)

2. Intended Use & Limitations

This device should be used in conjunction with work positioning harnesses complying to EN358 and where relevant, a full body harness complying to EN361 is the only acceptable body holding device that can be used in a fall arrest system.

It is intended to connect directly or indirectly to an anchor point above the user and meeting no less than 12Kn / EN795b or other PPE components meeting an equal or greater force to protect against falls from height

A) Any individual required to use this connector for the purpose for which it is intended should be medically fit and well

B) Connectors with a self-closing and manual-locking gate should only be used where the user does not have to attach and remove the connector frequently, i.e many times during a working day.

C) The principle materials used in the construction of this piece of equipment are Aluminium, and Steel.

D) When a connector is inserted in any fall arrest system, in order to regulate the other components correctly and not compromise the efficiency of the system you must take into account the length of the connector.

E) a warning for situations which may reduce the strength of the connector, e.g. connecting to wide straps.

F) The connector should be a personal issue item.

G) Do not exceed the Minimum Breaking Strength specified by the manufacturer. It is recommended that a recognised industry safety factory be applied.

Limitations:

- Not suitable for use in lifting equipment, towing, or any purpose other than fall protection.
- Do not subject the connector to lateral or cross loading.

3. Training

This PPE must only be used by trained and competent persons who have received instruction on its safe use.

Users must be medically fit and familiar with fall protection systems and rescue planning.

4. Pre-Use Checks

Before each use, the user shall:

- Visually inspect the connector for cracks, deformation, sharp edges, corrosion, or malfunction of the locking system.
- Ensure that the gate closes and locks correctly.
- Confirm markings are present and legible.

If any defect is found, the connector must be immediately withdrawn from service.

5. Periodic Examination

This PPE must be examined at least once every 6 months by a competent person in accordance with EN 365:2004.

The results of each periodic examination must be recorded in an inspection logbook and retained throughout the service life of the equipment.

6. Compatibility Guidance

Only use this connector with PPE components conforming to relevant EN standards.

Incompatible components may reduce the safety of the system. Avoid sharp edges or anchor points that may damage the connector.

Ensure the connector is compatible in size and shape with other equipment in the system.

7. Maintenance & Cleaning

- Clean using lukewarm water (max 40°C) and mild soap. Rinse thoroughly and dry naturally.
- Do not use harsh chemicals, solvents, acids, or heat sources for cleaning or drying.
- After drying, lubricate the gate spring lightly and wipe off any excess oil.
- Pay special attention to cleaning after exposure to saline environments.
- Store in a cool, dry place away from direct sunlight and chemicals.

Except for the above-mentioned indications, there are no special precautions to be used during the transport although care should be taken to avoid damage to the equipment during transportation or storage.

8. Service Life & Obsolescence

Expected service life is up to 10 years under normal conditions. However, the connector must be immediately withdrawn from use if:

- It has been subjected to a fall.
- It shows visible wear, deformation, or corrosion.
- Markings are missing or illegible.
- It has been contaminated with chemicals or exposed to extreme conditions beyond those specified.

9. Rescue Planning

Before using this PPE, ensure that a suitable and effective rescue plan is in place to deal with potential emergencies.

Work should always be organised to minimise the risk of falls and fall distances.

10. Marking Explanation

Markings on the connector include:

- Manufacturer name and logo
- CE marking with Notified Body number (1019)
- Relevant EN standards (EN 362:2004, EN 12275:2013)
- Serial number (format: MM-YY-XXXX)
- Minimum breaking strengths (major/minor axis, gate open/closed)

11. Disposal

At the end of its service life, or when withdrawn due to damage or defect, the connector should be destroyed to prevent further use.

Cut through the gate or body to render it unusable before disposal according to local regulations.

12. Inspection Logbook Template

Advice shall be given that a record is kept for each component, subsystem and system, The record should contain headings for and spaces to allow entry of the following details:

- A) product, (e.g. full body harness), model and type/identification and its trade name;
- B) name and contact details of the manufacturer or supplier;
- C) means of identification, which could be the batch or serial number;
- D) where applicable, the year of manufacture or life expiry date, (refer to 3.2.2 y));
- E) date of purchase;
- F) any other information as necessary, e.g. maintenance and frequency of use;
- G) date first put into use;
- H) history of periodic examinations and repairs, to include:
 - 1) dates and details of each periodic examination and repair, and the name and signature of the competent person who carried out the periodic examination or repair;

2) next due date for periodic examination.

NOTE

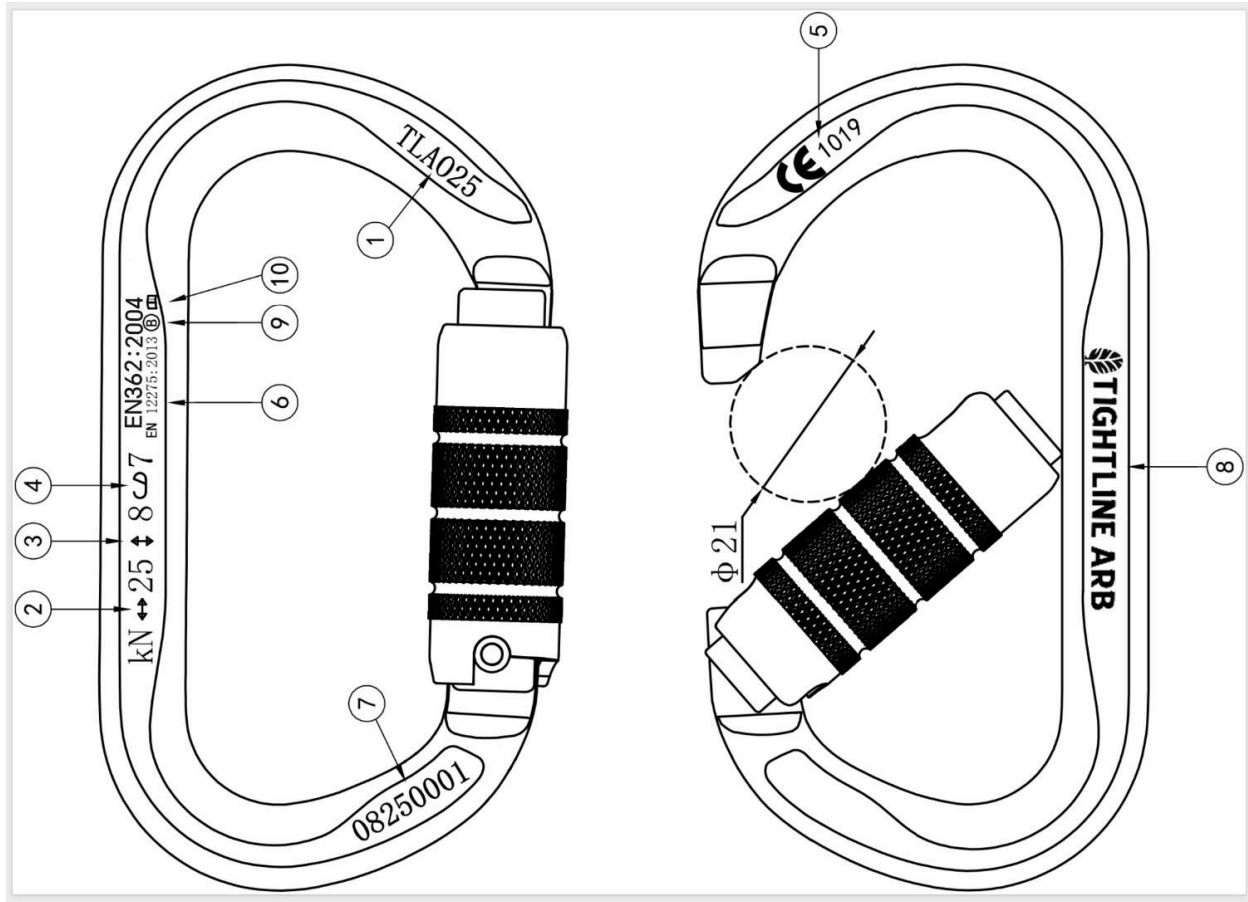
It is the responsibility of the user organisation to provide the record and to enter onto the record the details required. An example of a record is shown below in Figure 1.

Figure 1;

EQUIPMENT RECORD				
Product:				
Model & type/identification		Trade name		Identification number
Manufacturer		Address		Tel, fax, email and website
Year of manufacture/life expiry date		Purchase date		Date first put into use
Other relevant information (e.g. document number)				
PERIODIC EXAMINATION AND REPAIR HISTORY				
Date	Reason for entry (periodic examination or repair)	Defects noted, repairs carried out and other relevant information	Name and signature of competent person	Periodic examination next due date

13. Carabiner Markings Diagram

The diagram below shows the TLAO25 carabiner with numbered markings corresponding to its safety and identification features.



1. Product Identification code
2. Minimum breaking strength in kN, gate closed, major axis
3. Minimum breaking strength in kN, gate closed, minor axis
4. Minimum breaking strength in kN, gate open, major axis
5. CE – marking under PPE Regulation (Reg. EU2016/425) with NB number
6. Reference EN standard and Year of Standard Publication
7. Individual Serial Number (MM-YY-XXXX)
8. Manufacturer Name / Company Identification
9. Connector type
10. Read the instructions on user manual

14.

It's essential for the safety of the user that if the product is re-sold outside the original Country of destination the reseller shall provide these general instructions for use in the language of the Country in which the product is to be sold.