

Instructions for Use of:

Positioning Rope Wind 1.8m

Model Number: 1858037 **Article Number:** 1360001006 **Size:** Length 1.8m

- HAILO WIND SYSTEMS positioning & restraint lanyards have been certified to EN358 & EN354, are used to connect a safety harness, work position or restraint belt to an anchorage point, to hold the user in supposed work position or to prevent the user reaching a position where a fall is possible(restraint).
- HAILO WIND SYSTEMS restraint lanyards have been certified to EN354 which can only used to connect a safety harness or restraint belt to an anchorage point prevent the user reaching a position where a fall is possible.
- Lanyards used for "Restraint" should be of such a length or adjusted to such a length that a fall situation can't occur.
- Lanyards used in "work positioning" are designed to support the user when working at height and when needing a hands free environment.
- Do not wrap the HAILO WIND SYSTEMS positioning & restraint lanyards around any structure and connect the lanyard back onto itself, unless the lanyard has been specifically designed to do so.
- Striking objects horizontally due to the pendulum effect of a swing fall may cause serious injury or death.
- Always attach an unused lanyard to a lanyard storage keeper when not in use. Never attach the unused leg of the lanyard to the harness at any other location.
- The regulations included herein are for reference only. They are not all-inclusive and not intended to replace a Competent Person's judgement or knowledge of federal or state standards.
- The analysis of the workplace must anticipate where workers will be performing tasks, the routes they will take to reach their tasks, and the potential/existing exposure to fall hazards.
- Fall protection equipment must be chosen by a Competent Person. Selections must account for all potential hazardous workplace conditions.
- All fall protection equipment should be purchased in a new and unused condition.
- Select and install fall protection systems under the supervision of a Competent Person. Fall protection systems must be used in a compliant manner.
- Fall protection systems must be designed in compliance with all federal, state, and local safety regulations.
- Forces applied to anchors must be calculated by a Competent Person.
- Harnesses and connectors selected must be compliant with manufacturer's instructions and must be of compatible size and configuration.
- A pre-planned rescue procedure is required as part of a complete fall protection program. The rescue plan must be project specific. The rescue plan must either allow for employees to rescue themselves or provide an alternative means for their prompt rescue. Store rescue equipment in an easily accessible and clearly marked area.
- A Competent Person must train Authorized Persons to correctly erect, disassemble, inspect, maintain, store, and use equipment. Training must include the correct use of personal fall arrest systems, the ability to recognize fall hazards, and how to reduce the dangers of fall hazards.
- **NEVER** use any fall protection equipment to hang, lift, support, or hoist tools or equipment unless that equipment is explicitly certified for such use.
- Equipment must be inspected by a Competent Person at least every six months.
- Equipment must be inspected for defects including (but not limited to): the absence of required labels or markings, improper form/fit/function, evidence of cracks, sharp edges, deformation, corrosion, excessive heating, alteration, excessive wear, fraying, knotting, abrasion, and absence of parts. Equipment that fails inspection in any way must immediately be removed from use or repaired by an entity approved by HAILO WIND SYSTEMS.
- Physical harm may still occur even if fall safety equipment functions correctly.



These lanyards must be used with an approved harness or belt and will provide a work positioning or restraint system when used with a suitable anchorage.

Limitations For Use

- HAILO WIND SYSTEMS positioning & restraint lanyards are not intended for fall arrest unless fitted with an energy absorber conforming to EN355 and the overall length must not exceed 2m.
- HAILO WIND SYSTEMS positioning & restraint lanyards must be used with a full body harness.
- HAILO WIND SYSTEMS positioning & restraint lanyards are designed for a single user.
- A fall arrest backup must be used if the user is not in "Restraint" and there is a risk of a fall.
- Do not repair equipment on-site unless explicitly permitted by HAILO WIND SYSTEMS.
- Snap hooks, carabiners, and other connectors must be selected and applied in a compatible fashion. All risk of disengagement must be eliminated. All snap hooks and carabiners must be self-closing and must never be connected to each other.
- Age, fitness, and health conditions can seriously affect the worker in the event of a fall.
- Consult a doctor if there is any reason to doubt a user's ability to set up the equipment or withstand and safely absorb fall arrest forces.
- Allowable range of individual worker weight limit (including all equipment) is 100kg, unless explicitly stated otherwise.



Lanyards used as pole strap is only for use with the EN358 work position "D" ring fitted to suitable Steelpo[®] harness

Anchorage Requirements

All anchorages must meet the requirements of EN795:1997

Anchorages to which personal fall arrest equipment is attached shall be capable of supporting at least 22 KN per employee attached, or shall be designed, installed, and used as part of a complete personal fall arrest system which maintains a safety factor of at least two, under the supervision of a qualified person.

When more than one personal fall arrest system is attached to the anchorage, the strength must be multiplied by the number of personal fall arrest systems attached to the anchorage.

Anchorages should be located as vertically as possible above the user's head and be positioned as not to exceed the maximum allowable free fall for the system.

Anchorage Connectors

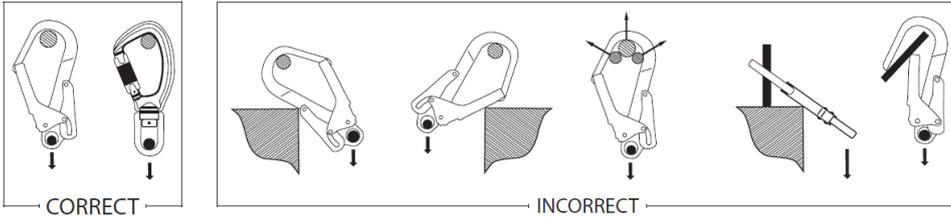
Anchorage connectors are components that couple the personal fall arrest system to the anchorage. In accordance with EN795:1997, the anchorage connector must be capable of withstanding (without breaking) a 22 kN load and the anchorage must be able to withstand a 16 kN load without cracking or permanent deformation visible to the unaided eye. The strength of all anchorage connectors must be multiplied by the maximum number of personal fall arrest systems attached. A mobile anchorage connector should be used to provide lateral mobility and help prevent the possibility of a swing fall. HAILO WIND SYSTEMS Energy Absorbing Lanyards have a minimum breaking strength of 22kN when used as directed in the *User Instruction Manuals*.

Snap Hooks and Carabiners

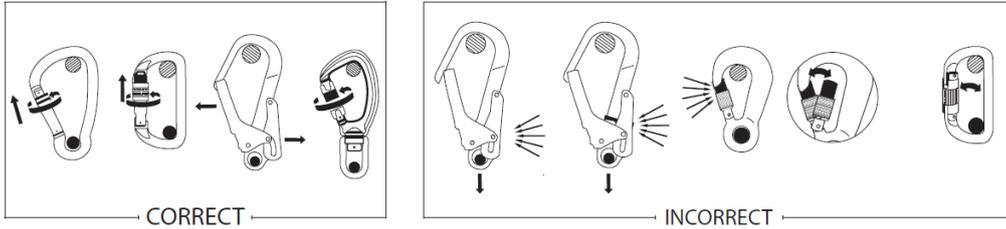
Snap hooks and carabiners used on HAILO WIND SYSTEMS Energy Absorbing Lanyards marked with the EN362 standard are self-closing with minimal tensile break strength of 22KN, a minimum gate rating of 1KN, and a minimum side load gate rating of 1.5KN.

Basic Rules Of Using The Snap Hook:

- Before each use, a close visual examination of the snap hook components (body, gate, locking gear) must be carried out in respect of mechanical, chemical and thermal defects. The examination must be done by a person who is going to use the snap hook. In the case of any defect, doubt of correct condition of the snap hook do not use the snap hook.
- Using the snap hook, in connection with the fall arrest system, must be compatible with manual instructions of the fall arrest systems and obligatory standards:
 - EN361 - for the safety harness.
 - EN353-1, EN353-2, EN355, EN354, EN360 - for the fall arrest systems.
 - EN341 - for the rescue equipment.
 - EN358 - for the work positioning system.
- The snap hooks with manual locking (e.g. screw locking) shall be acceptable only in cases where the user does not have to attach and remove the snap hook many times a working day.
- During use the snap hook must be protected from any contact with acids, solvents, basics, open fire, hot metal drops and sharp edges. If you have any doubts about the conditions where the snap hook will be used, ask the producer.
- Before using the fall arrest system, the rescue operation must be introduced to avoid any danger that can happen during the use of the equipment.
- The shape of the structural anchor point should not let self-acting snap hook disconnection. See drawings.



- It is necessary to protect the snap hook gate with locking gear. - See drawing.



- The length of the snap hook should be taken into account when used in any fall arrest system as it will influence the length of a fall.
- It must be taken into consideration that some situations during use may reduce the strength of the snap hook, e.g. connecting to wide straps.

Training

Employers are responsible for providing training to any employee who may be exposed to fall hazards. Training will enable an employee to recognize and reduce fall hazards. Training must be conducted by a Competent or Qualified Person. Trainer and trainees must not be exposed to fall hazards during the training course.

Inspection

Frequency

HAILO WIND SYSTEMS positioning & restraint lanyards must be inspected prior to each use and annually by an “Competent Person” other than the user.

To Inspect components

All components of the HAILO WIND SYSTEMS positioning & restraint lanyards must be inspected.

All snap hooks and carabiners on product must be able to self-close and lock.

All hardware must be free of corrosion, chemical attack, alteration, excessive heating, wear cracks, sharp edges, deformation, corrosion, or any evidence of defect.

To Inspect Webbing

Bend a portion of the webbing 15-20 cm into an upside-down ‘U’ shape. Continue along all webbing inspecting for tears, cuts, fraying, abrasion, discoloration, burns, holes, mold, pulled or broken stitches, or other signs of wear and damage.

Adjust all keepers, buckles, padding, and D-ring to inspect webbing hidden by these components.

Sewn terminations must be secure, complete, and not visibly damaged.

Check all buckles for damage, distortion, cracks, breaks, and rough or sharp edges. Inspect for any unusual wear, frayed or cut fibers, or broken stitching of the buckle attachments. Make sure buckles properly engage.

Double-check the buckle locking mechanism by tugging on both halves of the buckle to make sure it is firmly connected and will not disengage.

All markings must be legible and attached to the product.

All hardware must be free of cracks, sharp edges, deformation, corrosion, or any evidence of defect.

Cleaning, Maintenance, and Storage

Cleaning

HAILO WIND SYSTEMS positioning & restraint lanyards can be wiped down with a mild detergent and missed with a clean cloth to remove detergent. The hardware can also be wiped down with a clean, dry cloth to remove grease or dirt.

Maintenance

Any HAILO WIND SYSTEMS positioning & restraint lanyards requiring maintenance must be tagged “unusable” and removed from service.

Storage

- When not in use, HAILO WIND SYSTEMS positioning & restraint lanyards should be stored in a cool, dry place out of direct sunlight.
- Do not store in areas where damage from environmental factors such as heat, light, excessive moisture, oil, chemicals and their vapors, or other degrading elements may be present.
- Do not store damaged equipment or equipment in need of maintenance in the same area as product approved for use. Equipment must be cleaned and dried prior to storage.
- Equipment that has been stored for an extended period must be inspected as described in these *User Instructions* prior to use.

Labeling

Inspection Record

Product	Positioning Rope Wind 1.8m
Model / Type	1858037
Serial number	
Year of manufacture	
Date of purchase	
Date of first use	
User Name	

Inspection Record

Date	Reason for the Entry 1 = regular Review 2 = Repairs	Documentation Repairs / Identified damage	Name / Signature Expert	Date of Next Review

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