USER MANUAL WIND HARNESS

Configuration Wind Harness Model: 1831018

Attachment Eye A in the Back
Attachment Eye A in the chest Area
2 attachments Eye for Work positioning
2 Loops for Tools
Length Adjustment at the shoulder straps
Length Adjustment at the shoulder straps
Click closures on the Harness
Back protection Plate

Size:	Model Number:		Article Number:
Size S-M	1831018.1	Waist belt length 1230mm	1360001003
Size L-XXL	1831018.2	Waist belt length 1330mm	1360001004

The full body Harness is classified as PPE by the European PPER regulation (EU) 2016/425 and in conformity to the European Norm EN 361:2002 (full body harness), EN358:1999 (harness incorporating a work positioning belt).

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⚠ WARNING

All persons using this equipment must read, understand and follow all instructions.
Failure to do so may result in serious injury or death. Do not use this equipment unless you are properly trained.

1. The persons who are suffering from high blood pressure, heart disease, severe anemia, acuity, etc. are forbidden doing aloft work .The people who is tired, poor eyesight and drunk is not allowed doing aloft work too. People who are in a state of mental agitation, panic and anxiety are not allowed to work at high altitude for the time being.
2. The equipment shall only be used by a person trained and competent in its safe use.
3. A rescue plan shall be in place before use to deal with any emergencies that could arise during the work.
4. It is forbidden to make any alterations or additions to the equipment without the manufacturer's prior written consent.
5. The equipment shall not be used outside its limitations, or for any purpose other than that for which it is intended.
6. Before use ensure about the compatibility of items of equipment when assembled into a system. Ensure that all items are compatible and appropriate for the proposed application. It is forbidden to use combinations of items of equipment in which the safe function of any one item is affected by or interferes with the safe function of another. Periodically check the connection and adjustment of the components to avoid accidental disconnection and loosening.
7. Personal protective equipment must be withdrawn from use immediately when any doubt arise about its condition for safe use and not used again until confirmed in writing by a competent person that it is acceptable to do so.
8. Personal protective equipment must be withdrawn from use immediately when it has been used to arrest a fall.
9. It is essential for safety that the anchor device or anchor point should always be positioned, and the work carried out in such a way, as to minimize both the potential for falls and potential fall distance. Where it is essential that the anchor device/point is placed above the position of the user, the manufacturer shall make a statement to that effect.
10. It is essential for safety to verify the free space required beneath the user 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.
11. There are many hazards that may affect the performance of the equipment and corresponding safety precautions that have to be observed e.g.: extremes of temperature, trailing or looping of lanyards or lifelines over sharp edges, chemical reagents, electrical conductivity, cutting, abrasion, climatic exposure, pendulum falls.
12. 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.
13. Warning: Front D-ring just for work position and fall restraint, not for fall arrest.
14. The anchor point where the fall arrest system is going to be fixed should always be placed above the position of the user .and the anchor should conform to EN:795 . Never use the full body harness around structures that are of small diameter or that have small or shape edge.
15. Do not use an anchorage point that will not take a shock load of min 12KN.
16. Do not anchor with attachment point to a structure that can fall itself. For instance: window cleaner's cradle free standing ladder or other loose structures.

17. When more than one person fall arrest system is attached to an anchorage, the anchorage strengths set forth of the requirement (12KN) and must be multiplied by the numbers of systems attached to the anchorage.
18. The full body harness should be a personal issue item.
19. A full body harness is the only acceptable body holding device that can be used in a fall arrest system.
20. The fall protection system must only be connected to the harness anchor points identified with the capital letter "A". Identification “A/2” indicates the need to join the two points showing the same identification together. It is forbidden to connect the system to a single anchor point identified as “A/2”.
21. Connection to the Anchor point and other Equipment must be through to the connections in conformity to EN 362.
22. For use with fall arresters in conformity to EN 353-1, EN 353-2 it is recommended to connect the equipment to the front anchor point on the harness. For use with energy absorbers EN 355 or fall arresters EN 360 it is recommended to connect the equipment to the back anchor point on the harness.
23. Before each use of personal protective equipment it is obligatory to carry out a pre-use check of the equipment, to ensure that it is in a serviceable condition and operates correctly before it is used.
24. During pre-use check it is necessary to inspect all elements of the equipment in respect of any damages, excessive wear, corrosion, abrasion, and degradation due to UV, cuts or misuse, especially take into account webbings, seams, anchor D rings, buckles and adjusting elements.
25. The waist belt attachment points which comply with EN358 are not suitable for fall arrest purpose and that it may be necessary to supplement arrangements for work positioning or restraint with collective means(e.g. safety nets) or personal means(e.g. fall arrest systems in accordance with EN363) of protection against falls from a height.
26. The waist belt attachment points which comply with EN358 need to comply with the instruction to position and /or adjust the work positioning lanyard in such a way that the anchorage point is maintained at or above waist level; the lanyard is kept taut; and free movement is restricted to a maximum of 0.6m
27. The regular periodic examinations are needed. The safety of users depends upon the continued efficiency and durability of the equipment. And the periodic examinations are only to be conducted by a competent person, and should be strictly in accordance with the manufacturer’s periodic examination procedures.

1.0 Description

This product is designed to minimize the risk of/provide protection against falling and the dangers resulting from falling down. Only the manufacturer can make repairs to equipment.

Always remember that no item of PPE can provide full protection and care must always be taken while carrying out the risk-relation activity.

The full body harness is classified as PPE by the European PPER regulation (EU) 2016/425 and in conformity to the European Norm EN361:2002 (full body harness), EN358:1999 (harness incorporating a work positioning belt).

A: Sternal D-Ring used as fall arrest Attachment point.
B: Hip D-Ring used for work position.
C: Front D-Ring only used for work position.
D: Dorsal D-Ring used as fall arrest Attachment point.

Warning: B-Hip D-Ring & B-Front D-ring (Belly Ring) are just for work position and fall restraint, No use for fall Arrester.

2.0 Material

The full body harness is manufactured from 44 mm polyester webbing.

3.0 Fitting and sizing

Follow step from 1 to 8 for wearing harness.

Step 1: Hold the harness by the dorsal D-ring and shake to allow any tangled straps to fall into place.as shown in Fig. 1

Step 2: Unbuckle chest, leg and waist straps. If the harness has a belt, unbuckle it too.

Step 3: Slip the straps over the shoulders, so the back D-ring is located in the middle of the back between shoulder blades.

Step 4: Connect the chest strap and position in the mid chest area, then tighten shoulder straps.

Step 5: Pull harness up or down at the back so waist belt sits on the upper hip and connect belt buckles.

Step 6: Pull the end of one leg strap between the legs and secure to the opposite end.
Repeat this step with the other leg. If harness has a belt, connect that after the leg straps.

Step 7: After all the buckles have been connected, adjust so that the harness fits snug, but allows a full range of movement.

Step 8: Use the back D-ring or the front anchor point joined together by a connector as anchor point for fall arrest systems. To locate the anchor points on the harness, check for the “A” marking near them.

- The harness with front anchor point (Front D-Ring Marked with A at the Height of the Chest) can be used in specific situations along with a fall arrester that needs a front anchor point.

- The belt is padded and has two lateral anchor points and one front anchor point, which are used as anchor points for work positioning. The comfortable back support provides excellent ergonomic support for the back. The belt is adjusted the way that the webbing can slide freely on the padded back support, facilitating its adaptation to the size of the user. The belt has textile rings for tool holding

- **EN 358:** The full body harnesses equipped with a work positioning belt can be used to keep users in place at their work (positioning) or to prevent to reach a point where it can cause a fall (restraint). The lateral anchor points should not be used for fall arrest. The anchor point must be positioned at or above the waist level of the user. The connecting element must remain tight and the free movement should be restricted to a maximum of 0.6m.

Warning: It is essential need to regularly check fastening and /or adjustment elements during use.

4.0 Connect to an anchor

The Harness must be connected to a reliable Anchor point, e.g.an Energy absorber, lanyard and connector and to other components of a fall arrest system. ALL of them must construct as fall arrest systems in accordance with EN363 of protection against falls from a height.

5.0 Lifetime

The estimated Product life time is 5 years from the date of manufacture.

The following factors can reduce the lifetime of the product : intense use, contact with chemical substances, specially agressive environment, extreme temperature exposure, UV exposure, abrasion, cuts, violent impacts, bad use or maintenance.

The legibility of the Product marking must be guaranteed or the equipment must be withdrawn from use.

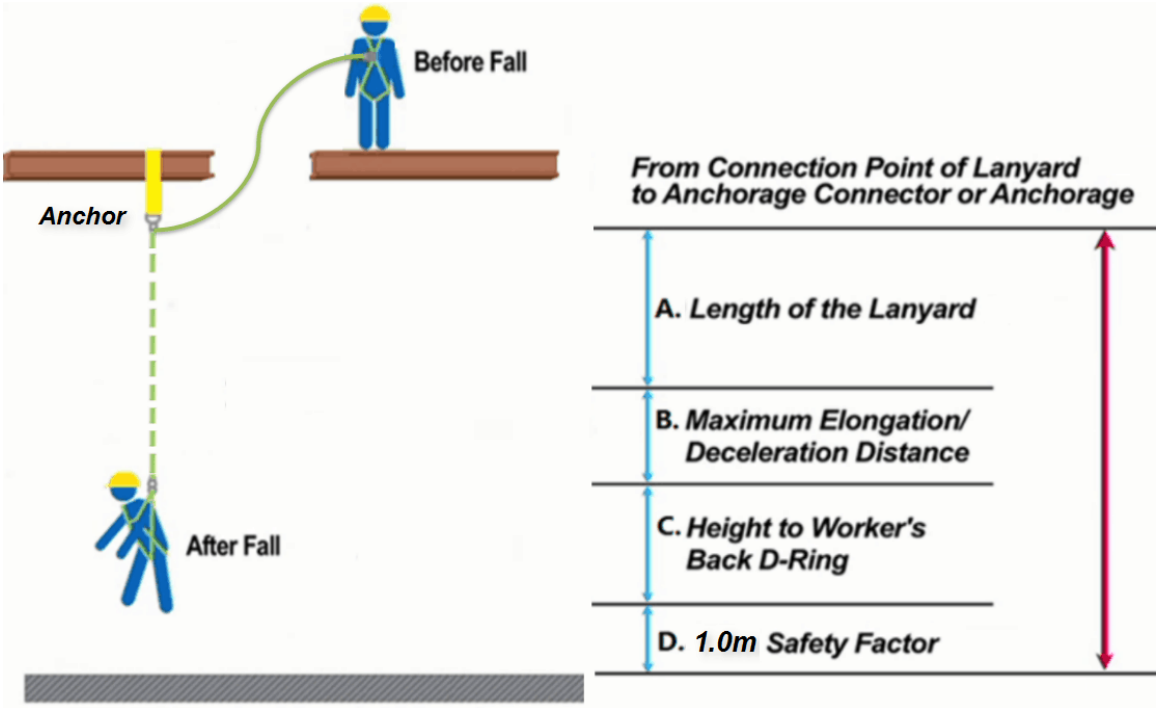
The required annual examinations will validate the correct functioning of the equipment. It is compulsory that the equipment is examined by the manufacturer or his authorized representative at least once a year.

In case that the Harness was used in a fall, the equipment must be withdrawn from use.

6.0 Free fall distance

In order to avoid collision with the structure or the ground, before we use a fall arrest system , we need make sure we have enough fall clearance.

Free fall distance ≥ A+B+C+D



Minimum Free Fall Distance = 6.55m *(Height to worker's back D-ring,usually 1.8 meters)*

7.0 Training

It is the responsibility of the user and the Purchaser of this equipment to assure they are familiar with these instructions and are trained in the proper use, installation , operation, maintenance and limitations of this product. Training should be conducted periodically and without exposing the trainee to a fall hazard. Since no fall protection equipment regardless of how effective can save an employee who is not trained in its use. To meet this crucial requirement, please ask your supplier to offer the training and make sure before you use the PPE, you are the competent person.

8.0 Inspection

GENERAL PRODUCT INSPECTION REQUIRED FOR ALL SYSTEM COMPONENTS

Always do a visual inspection of the safety harness before use. Inspect system and its components for any of the Following:

Bent, cracked, distorted, worn,malfunctioning or damaged parts; rough or sharp edges; loose fasteners or missing parts/components; corrosion; deterioration; signs that indicate the product has been subjected to a fall arrest; or any other indications of damage/problems that may affect the integrity and operation of the component/system. If in doubt, contact the manufacturer.

Anchorage Connectors

Cross-Arm Straps:

When inspecting the webbing, be sure to inspect each section,
rotating and flexing,to reveal any damage,cuts,broken strands/fibers frayes areas
pulled stitches, burns, environmental or chemical damage (refer to Table 1), unusual
wearing patterns, or signs of deterioration. Inspect hardware for distortion, cracks, breaks,
corrosion, pitted surfaces, and rough or sharp edges.

Roof Anchors:

In addition to the general inspection, carefully inspect rivets, studs
and fasteners to ensure that all are present, securely tightened or clinched, and are not damaged in any way. Check O-ring and chain for any damage, cracks, distortion, rough or sharp edges. Chain must not be twisted or have any kinks. Anchor side plates should be flat and free of corrosion.

Harness & lanyard :

When inspecting harness, begin at upper to bottom side. Slowly rotate the
harness so that the entire circumference is checked. Inspect harness for cuts, frays, burns,broken fibers and excessive wear. Also inspect for signs of environmental or chemical damage

Carabiner & Hook:

Inspect closely for carabiner and hook distortions, cracks, breaks,
corrosion, pitted surfaces, and rough or sharp edges. The gate (keeper) should seat
into the nose without binding and should not be distorted or obstructed. The gate spring should exert sufficient force to firmly close the gate.when the gate is closed,the locking mechanism MUST prevent the gate from opening.the thimble must be firmly seated in the eye of the splice, and the splice should have no loose or cut strands. The edges of the
thimble must be free of sharp edges, distortion, or cracks.

Shock Absorber:

The outer portion of the pack should be examined for burn holes and tears. Stitching on areas where the pack is sewn to the webbing and hardware should be examined for loose strands, rips, deterioration or other signs of activation. Pack-style shock absorbers will break open to release the core contents when subjected to fall arrest forces. Any signs of breakage, rips or tears should be noted as an indication of deployment.

9.0 Instructions for maintenance

Basic care of all fall protection equipment will prolong the durable life of the unit/system and will contribute toward the performance of its vital safety function.

Cleaning :

For textile (webbing and ropes) and plastic parts wipe with cotton cloth or a soft brush. Do not use any abrasive material. For disinfection, please cleaning wash the harness at a water temperature between 30℃ and 60℃ using a neutral detergent with cotton cloth or a soft brush. For metallic parts wipe with wet cloth. When the equipment becomes wet, either from being in use or when due to cleaning, it shall be allowed to

dry naturally, and shall be kept away from direct heat.
Warning : The cleaning and disinfection instruction shall strictly adhered to.Please follow the procedure for cleaning.The personal protective equipment must be cleaned without causing adverse effect on the material used in the manufacture of the equipment.

Repair:

Any repair shall only be carried out by manufacturer or his authorized representative following manufacturer's procedures.

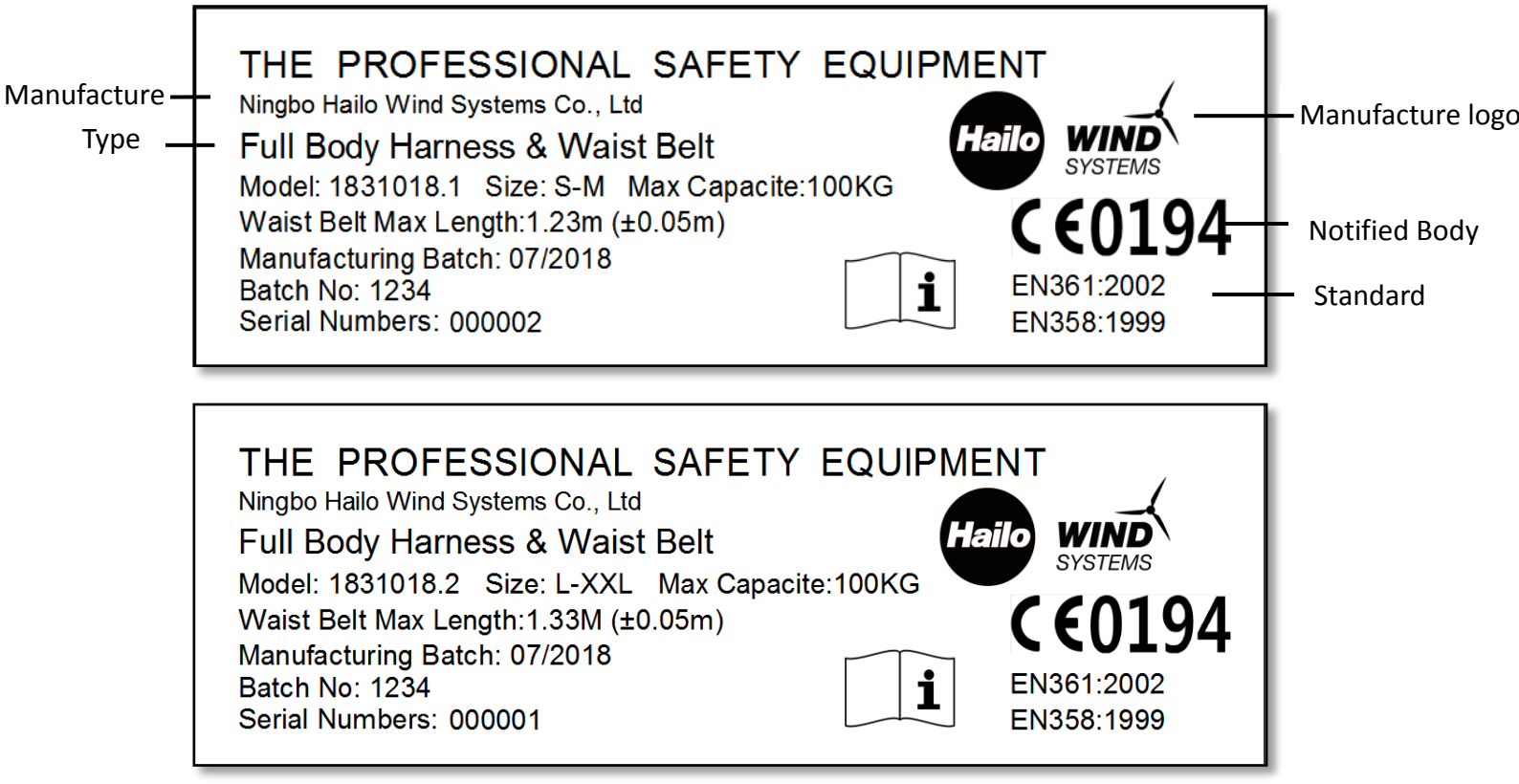
Storage :

When not in use, store in a clean, dry location, free of exposure to heat, light, excessive moisture, oil, chemicals, vapors, or other degrading elements.

Transportation :

The Personal Protective Equipment must be transported in a package that protect it against moisture or mechanical, chemical a thermal attacks.

10. Marking



Inspection Record

Product	WIND HARNESS
Model / Type	1831018.1 Size S-M ☐ 1831018.2 Size L-XXL ☐
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

Notified Body involved with design stage & involved in the production control phrase: INSPEC International Ltd. (N.B 0194)
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