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## SKYLOTEC G-1132-WS-M/XXL

# Skylotec Ignite Proton Wind Harness

## INSTRUCTION MANUAL

Brand: SKYLOTEC | Model: G-1132-WS-M/XXL

### 1. Introduction

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This instruction manual provides comprehensive information for the safe and effective use of the Skylotec Ignite Proton Wind Harness. This harness is specifically designed for working and maintenance tasks in wind turbine environments, offering robust fall protection and comfort.

Please read this manual thoroughly before using the harness. Proper understanding and adherence to these instructions are crucial for user safety and product longevity.

### 2. Safety Information

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Your safety is paramount. Failure to follow these safety guidelines can result in serious injury or death.

- **Qualified Personnel Only:** This equipment must only be used by trained and competent personnel who are familiar with fall protection systems and relevant safety regulations.
- **Pre-Use Inspection:** Always inspect the harness for any signs of damage, wear, or defects before each use. Do not use if any damage is found.
- **Compatibility:** Ensure all components of your fall protection system (harness, lanyards, anchor points) are compatible and meet relevant safety standards.
- **Weight Limit:** The maximum user weight for this harness is 140 kg (including tools and equipment). Do not exceed this limit.
- **Proper Fit:** The harness must be adjusted to fit snugly and securely. A loose harness can compromise safety.
- **Rescue Plan:** Always have a rescue plan in place and the means to implement it when working at height.
- **Environmental Conditions:** Be aware of environmental factors such as wind, ice, and extreme temperatures that may affect safety.
- **After a Fall:** If the harness has been subjected to a fall arrest, it must be immediately removed from service and inspected by a qualified person or discarded.

### 3. Product Overview

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The Skylotec Ignite Proton Wind Harness is a full-body harness designed for comfort and safety during prolonged work at height, particularly in wind turbine environments. It features multiple adjustment points and attachment options.



Figure 3.1: Front view of the Skylotec Ignite Proton Wind Harness. This image shows the full harness with its various straps, buckles, and attachment points, including the dorsal D-ring and front attachment loops.



Figure 3.2: Side view of the Skylotec Ignite Proton Wind Harness. This perspective highlights the side positioning D-rings and the padded waist belt, designed for comfort during work positioning.



Figure 3.3: Rear view of the Skylotec Ignite Proton Wind Harness. This image displays the back padding and the arrangement of the shoulder straps, emphasizing ergonomic design.



Figure 3.4: Detailed view of the Skylotec Ignite Proton Wind Harness. This close-up shows the robust construction of the buckles and webbing, indicating durability and secure fastening mechanisms.



Figure 3.5: Icon representing the maximum permissible user weight of 140 kg for the harness. This includes the user's body weight plus any tools or equipment carried.

## 4. Setup

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Follow these steps to correctly don and adjust the harness:

1. **Inspect:** Before putting on, perform a thorough visual inspection as described in the "Maintenance" section.
2. **Untangle:** Hold the dorsal D-ring (back attachment point) and shake the harness to allow all straps to fall into place and untangle.
3. **Shoulder Straps:** Slip your arms through the shoulder straps as if putting on a jacket. Ensure the straps are not twisted.
4. **Leg Straps:** Pull the leg straps between your legs and connect them to the appropriate buckles on the waist belt. Ensure they are not twisted.
5. **Chest Strap:** Fasten the chest strap across your chest and adjust it so it lies flat and is comfortable, typically across the sternum.
6. **Adjust Fit:**
  - Tighten leg straps until snug but not restrictive, allowing full range of motion.
  - Adjust shoulder straps to ensure the dorsal D-ring is positioned between your shoulder blades.
  - Tighten the waist belt for a secure fit around your hips, ensuring the padding is centered.
  - Ensure all excess webbing is neatly stowed in the keepers.
7. **Final Check:** Perform a final visual and tactile check to ensure all buckles are securely fastened, straps are not twisted, and the harness fits snugly.

## 5. Operating Instructions

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The Skylotec Ignite Proton Wind Harness is designed for fall arrest, work positioning, and rope access applications in wind turbine environments. Always follow site-specific safety procedures and national regulations.

- **Fall Arrest:** Connect a suitable fall arrest lanyard to the dorsal D-ring (back) or the sternal attachment loops (front). Ensure the anchor point is rated for fall arrest and is positioned correctly.
- **Work Positioning:** Use the side positioning D-rings on the waist belt with a work positioning lanyard. These are for support and positioning, not for fall arrest. Always have a separate fall arrest system in place when using work positioning.
- **Climbing Protection Eye:** The integrated climbing protection eye (often a textile loop or small D-ring) is designed for specific climbing systems within wind turbines. Consult your system's manual for proper connection.
- **Tool Attachment:** Utilize the gear loops and tool holders on the harness for carrying tools. Do not overload these loops, and ensure tools are secured to prevent accidental drops.
- **Movement:** Move cautiously and deliberately when working at height. Be aware of your surroundings and potential snag hazards.

## 6. Maintenance

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Proper maintenance extends the life of your harness and ensures its continued safety.

- **Cleaning:**
  - Clean the harness with a mild soap solution and lukewarm water.
  - Rinse thoroughly with clean water.
  - Allow to air dry completely in a cool, shaded area, away from direct sunlight or heat.
  - Do not use harsh chemicals, solvents, or abrasive cleaners.
- **Storage:**
  - Store the harness in a cool, dry, dark place, away from direct sunlight, extreme temperatures, corrosive substances, and sharp objects.

- Ensure it is clean and dry before storage.

- **Inspection:**

- **Pre-Use Inspection:** Visually inspect all webbing, stitching, buckles, D-rings, and padding for cuts, fraying, excessive wear, deformation, corrosion, or any other damage.
- **Periodic Inspection:** A competent person must perform a detailed inspection at least every 12 months, or more frequently depending on usage and environmental conditions. Keep records of all inspections.

- **Service Life:** The service life of the harness depends on its usage, care, and storage. Refer to the manufacturer's guidelines for specific retirement criteria. Any harness involved in a fall arrest event must be immediately removed from service.

## 7. Troubleshooting

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This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Harness feels uncomfortable or restrictive.	Improper adjustment; straps twisted.	Re-adjust all straps (shoulder, leg, chest, waist) for a snug but comfortable fit. Ensure no straps are twisted. Refer to Section 4.
Buckles are difficult to fasten/unfasten.	Dirt/debris in buckle mechanism; minor deformation.	Clean buckles thoroughly. If deformation is present, remove harness from service.
Visible wear or damage on webbing/stitching.	Normal wear and tear; abrasion; chemical exposure.	Immediately remove the harness from service. Do not attempt repairs.
D-rings or metal components show corrosion.	Exposure to moisture or corrosive environments.	Immediately remove the harness from service.

If you encounter issues not listed here, or if troubleshooting steps do not resolve the problem, contact SKYLOTEC customer support or a qualified equipment inspector.

## 8. Specifications

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Feature	Detail
Product Name	Skylootec Ignite Proton Wind Harness
Model Number	G-1132-WS-M/XXL
ASIN	B074FWPW2W
Manufacturer	SKYLOTEC
Item Weight	2.99 kg
Maximum User Weight	140 kg (including tools and equipment)
First Available Date	April 25, 2022
Intended Use	Fall protection for working and maintenance of wind turbines

## 9. Warranty and Support

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SKYLOTEC products are manufactured to high standards. For information regarding warranty coverage, please refer to the warranty documentation provided with your purchase or visit the official SKYLOTEC website.

For technical support, product inquiries, or to report a damaged product, please contact SKYLOTEC customer service.

Contact details can typically be found on the manufacturer's official website or on the product packaging.

Always ensure you are using genuine SKYLOTEC replacement parts if any components require replacement (e.g., after a fall arrest event, the entire harness must be removed from service).