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KwikSafety HURRICANE Ironworker & Tower Safety Harness

KwikSafety HURRICANE Ironworker & Tower Safety Harness Instruction Manual

Brand: KwikSafety | **Model:** HURRICANE Ironworker & Tower Safety Harness

1. Product Overview

The KwikSafety HURRICANE Ironworker & Tower Safety Harness is a high-performance full-body fall arrest harness designed to provide comprehensive safety for workers in various industries, including construction, ironwork, roofing, and tower safety. This harness system is engineered for durability, comfort, and compliance with stringent safety standards. It features multiple D-rings for attachment, cushioned back support for extended wear, and adjustable straps to ensure a secure and proper fit for a wide range of users.



Figure 1: KwikSafety HURRICANE Safety Harness with included lanyards and storage bag.

2. Important Safety Information

WARNING: Failure to follow these instructions and warnings may result in serious injury or death. This equipment must be used by a Competent Person or under the direct supervision of a Competent Person. Always inspect the harness before each use. If the unit fails inspection, remove it from service and destroy it.

- **ANSI Tested & OSHA Compliant:** This harness is ANSI Z359.11-2014 tested and OSHA compliant.
- **User Capacity:** Supports users within the range of 130-310 lbs (59-140 kg) and heights of 4'10"-6'6" (147-198 cm).
- **Proper Fit:** Ensure all buckles are connected, leg/shoulder straps are snug, and chest straps are centered on the chest.
- **Regular Inspection:** User must inspect before each use. A competent person must inspect at least once every six (6) months.
- **Compatibility:** Only use with compatible fall protection components (lanyards, lifelines, anchorage) that meet applicable standards.

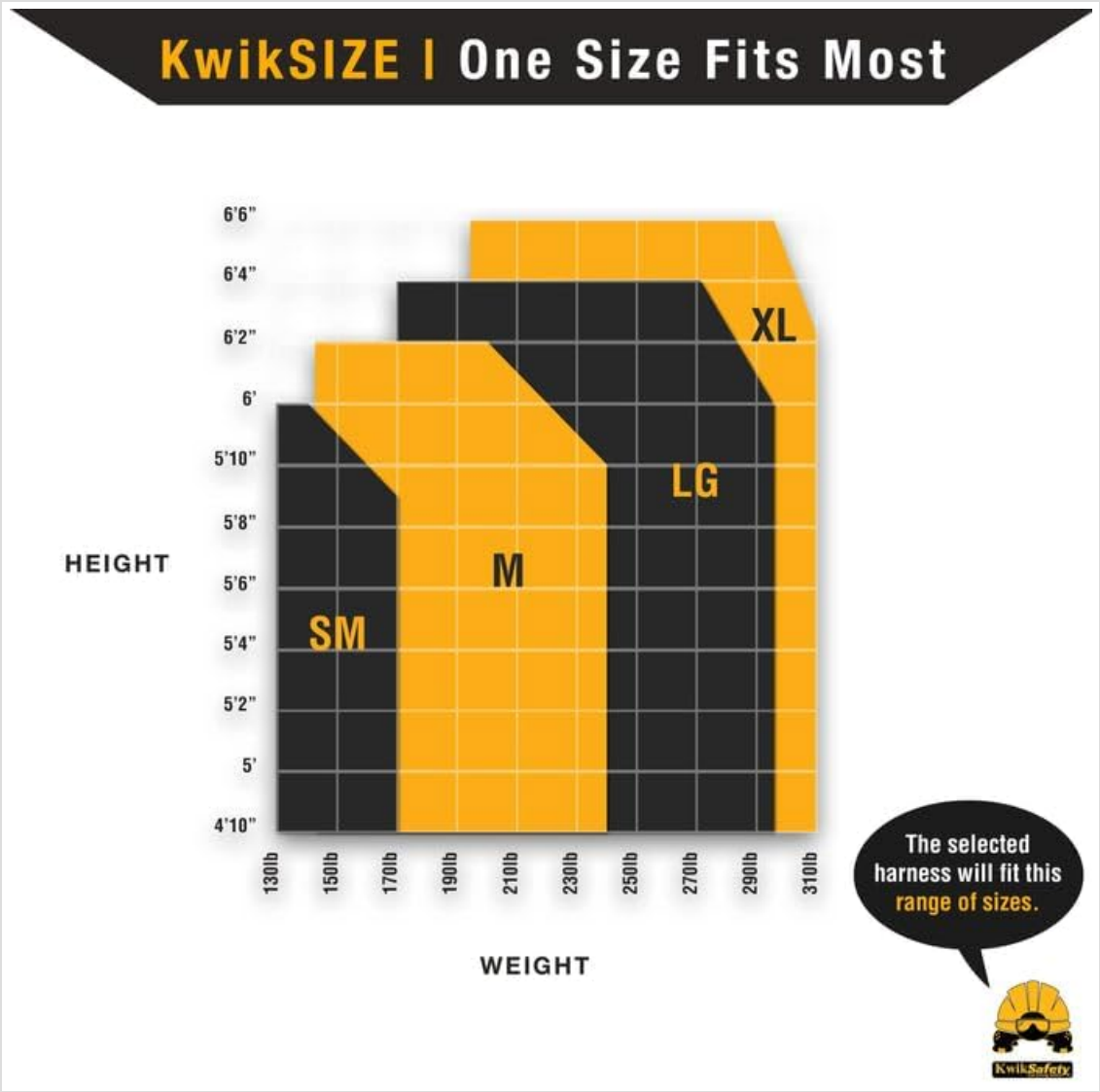

Figure 2: KwikLABEL instructions for inspection frequency and recording service dates.

3. Product Components

The HURRICANE Safety Harness is constructed with high-quality materials and features designed for maximum safety and comfort:

- **3 Heavy Duty D-Rings:** Includes one (1) dorsal D-ring for fall arrest and two (2) hip D-rings for positioning.
- **Cushioned Back Support:** Provides enhanced comfort and stability during prolonged use.
- **Adjustable Straps:** Multiple adjustment points on shoulders, chest, and legs for a customized and secure fit.
- **Pass-Through Buckles:** Secure and easy-to-use buckles for quick donning and doffing.
- **Premium Stitch Load Bearing Straps:** Durable polyester webbing for strength and longevity.
- **Label Protector:** A protective sleeve for important product labels and inspection records.



Figure 3: Back view highlighting dorsal D-ring and cushioned back support.

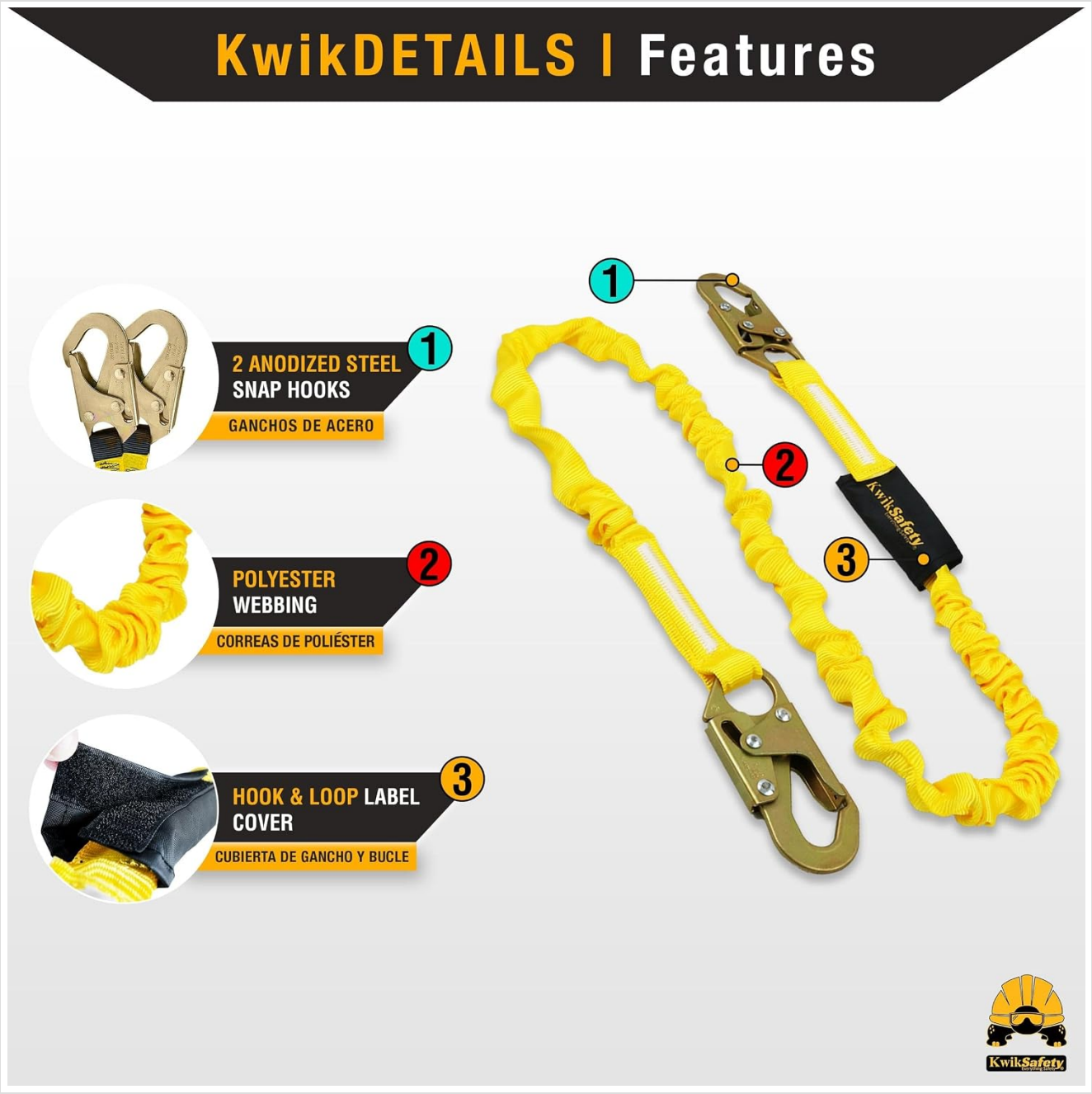

Figure 4: Front view detailing adjustable straps, side hip D-rings, and pass-through buckles.

The LANYARD KIT includes two high-performance safety lanyards:

- **RATTLER Lanyard:** Single leg, meets ANSI Z359.13-2013 standards.
- **BOA Lanyard:** High performance, meets ANSI Z359.13-2013 standards.
- Both feature self-locking hooks with 5,000lbs tensile strength and 3,600lbs gate strength.
- Maximum deployment distance of 48 inches with an average arresting force of 900lbs.



Figure 5: Lanyard components and features.



Figure 6: Additional lanyard features.

4. Setup and Wearing Instructions

Properly donning and adjusting your HURRICANE Safety Harness is critical for effective fall protection. Follow these steps carefully:

1. **Inspect the Harness:** Before each use, visually inspect all webbing, D-rings, buckles, and stitching for any signs of damage, wear, cuts, or corrosion. Ensure all labels are legible.
2. **Hold by Dorsal D-Ring:** Hold the harness by the dorsal D-ring (back D-ring) to allow the shoulder straps to fall into place.
3. **Don Shoulder Straps:** Slip the shoulder straps over your shoulders, ensuring the D-ring is centered on your back between your shoulder blades.
4. **Connect Chest Strap:** Bring the chest strap across your chest and connect the pass-through buckles. Adjust the strap so it is snug but allows for full range of motion.
5. **Connect Leg Straps:** Pull the leg straps between your legs and connect them to the corresponding buckles on the waist belt. Ensure the straps are not twisted.
6. **Adjust Leg Straps:** Adjust the leg straps to be snug around your thighs, allowing enough room for a flat hand to pass between the strap and your leg.
7. **Adjust Waist Belt:** Cinch the waist belt snugly around your waist. The cushioned back support should sit comfortably on your lower back.
8. **Final Adjustments:** Adjust all remaining straps (shoulder, chest, leg) to ensure a snug fit without restricting

movement. Excess webbing should be secured to prevent snagging.

For a visual guide on donning and adjusting the harness, please refer to the official product video below:

Video 1: KwikSafety | Feel the Power! | HURRICANE | Safety Harness. This video demonstrates the proper way to wear and adjust the HURRICANE full-body safety harness, including securing the back support, connecting pass-through buckles, adjusting chest and leg straps, and attaching a safety lanyard to the dorsal D-ring.



Figure 7: KwikSIZE chart indicating the height and weight ranges for different harness sizes. The selected harness will fit within the specified range.

5. Operating the Safety Harness

Once properly donned and adjusted, the HURRICANE Safety Harness provides a secure connection point for fall protection systems. Always ensure your fall protection system is correctly assembled and anchored before beginning work at height.

- **Connecting a Lanyard:** Attach your compatible safety lanyard to the dorsal D-ring on the back of the harness. Ensure the connection is secure and the lanyard is free of twists or obstructions.
- **Anchorage:** Connect the other end of your lanyard to a suitable anchorage point. The anchorage must be capable of supporting 5,000 lbs (22.2 kN) per worker attached.
- **Clearance:** Always ensure sufficient fall clearance below your work area. This includes the length of the lanyard, deceleration distance, and a safety factor. Refer to the fall distance diagram for guidance.
- **Work Positioning:** The hip D-rings can be used for work positioning or restraint, but not for fall arrest unless explicitly stated by the manufacturer and relevant standards.

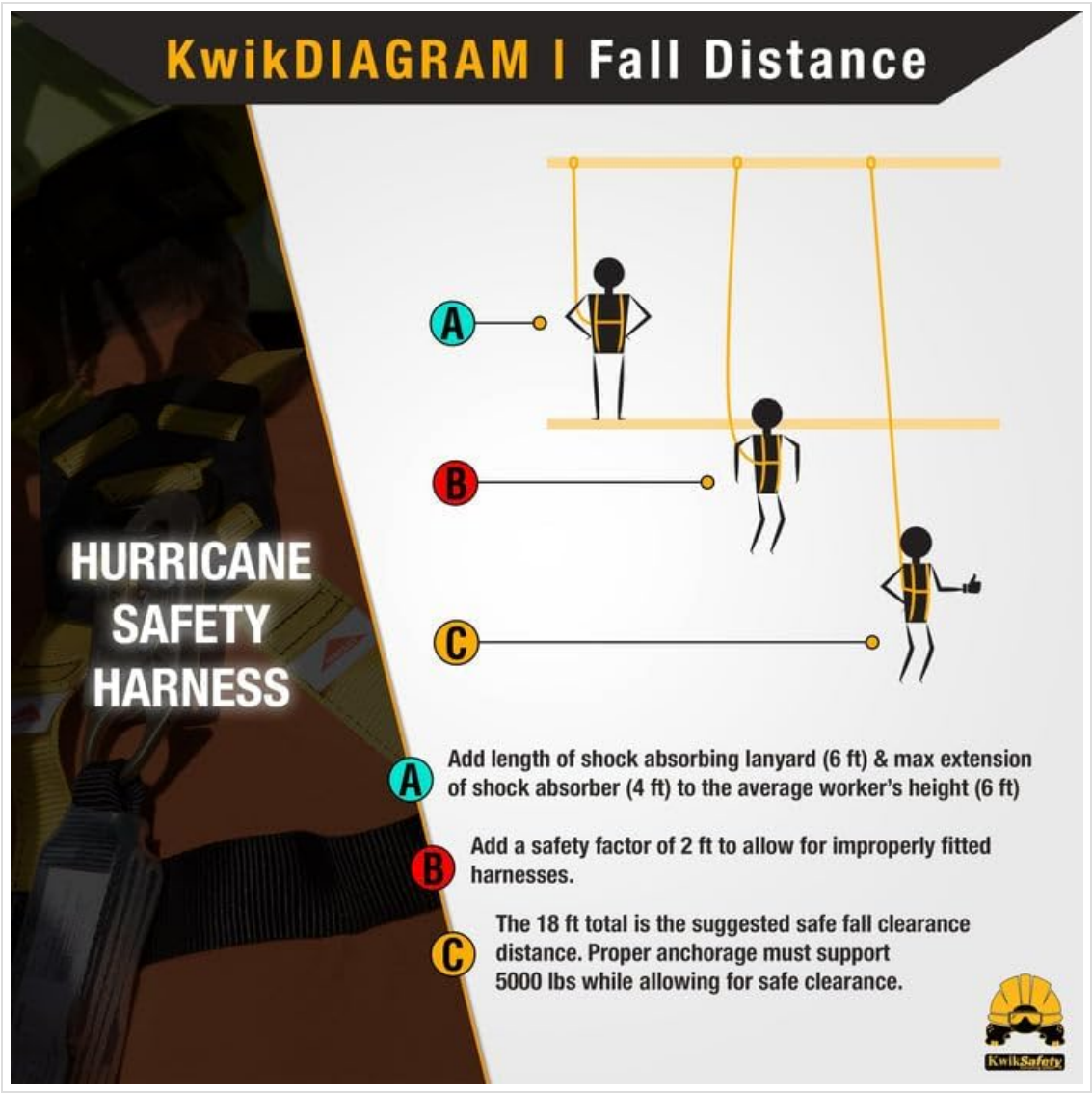

Figure 8: KwikDIAGRAM illustrating fall distance calculations for safe operation.

6. Care and Maintenance

Proper care and maintenance extend the life of your safety harness and ensure its continued effectiveness.

- **Cleaning:** Clean the harness with a mild soap and water solution. Use a soft brush to remove dirt and grime. Rinse thoroughly with clean water.
- **Drying:** Allow the harness to air dry completely in a shaded, well-ventilated area. Do not expose to direct sunlight or excessive heat.
- **Storage:** Store the harness in a cool, dry place, away from direct sunlight, extreme temperatures, corrosive chemicals, and sharp objects.
- **Inspection Records:** Maintain accurate records of all inspections, including initial in-service date and dates of passed inspections, on the provided Date Grid beneath the protective label sleeve.

7. Troubleshooting

Most issues with a safety harness relate to improper fit or visible damage. Always prioritize safety and remove the harness from service if any concerns arise.

- **Harness feels uncomfortable or too loose/tight:** Re-adjust all straps (shoulder, chest, leg) to ensure a snug but comfortable fit. Refer to Section 4 for detailed adjustment steps. Ensure the correct size harness is being used

based on the KwikSIZE chart.

- **Visible damage (fraying, cuts, corrosion, deformed hardware):** Immediately remove the harness from service. Do not attempt to repair. The harness must be destroyed to prevent accidental re-use.
- **Difficulty connecting lanyards or other components:** Ensure all components are compatible and free of debris. Check for any deformation in the D-rings or hooks.
- **Label is unreadable or missing:** The harness should be removed from service as critical safety and inspection information cannot be verified.

8. Product Specifications

Feature	Detail
Model	HURRICANE Ironworker & Tower Safety Harness
D-Rings	3 (1 Dorsal, 2 Hip)
Back Support	Cushioned
Buckles	4 Pass-Through
Material	Polyester Webbing
Max Weight Capacity	310 lbs (140 kg)
Height Range	4'10" - 6'6" (147-198 cm)
Compliance	ANSI Z359.11-2014 Tested, OSHA Compliant
Origin	Made in the USA



Figure 9: Detailed specifications and compliance information for the HURRICANE harness.

9. Warranty and Support

KwikSafety products are manufactured with a commitment to quality and safety. For specific warranty information, please refer to the documentation included with your product or contact KwikSafety directly through their official website or customer service channels. As a small business based in Charlotte, NC, KwikSafety prides itself on providing reliable industrial safety products.

Manufacturer: KwikSafety

For further assistance, product inquiries, or to report any issues, please visit the KwikSafety store on Amazon or their official company website.

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