



TECHNICAL DATASHEET

ECO1 SAFETY JACKET HARNESS

ECO1 JKG/JKO Jacket Harness

STANDARD: IS 3521(Part 1): 2021 

Product Introduction:

- A full-body harness integrated with a high-visibility reflective jacket and a zipper system ensures quick donning and doffing, while providing enhanced visibility and easy identification in low-light work areas

Features:

- Designed for easy donning & doffing
- Provides high visibility in low light zone.
- One dorsal D-ring and Two textile chest attachment loops for fall arrest.
- Adjustable straps at chest and thigh.
- Retroreflective dual colour webbing for easy orientation.



Product Specifications:

Model	: ECO1 JKG/JKO
Webbing Material	: Synthetic Fibre (Polyester)
Webbing Width	: 44 +/-1 mm
Webbing Breaking Strength	: 22 kN
Safe Working Load Capacity	: 100 kg
Stitching Thread Material	: High tenacity virgin multifilament polyester
Stitch Thread Colour	: White
Metal Components	: High quality alloy steel, zinc plated, free from sharp edges
Harness Colour availability	: Variant 1: Harness with green reflecting Jacket Variant 2: Harness with orange reflecting Jacket
Weight	: 2.01 kg Approx.

Benefits:

- **Donning and doffing:** Easier than traditional harness as comes with zipper system.
- **Protection from wear and tear:** The jacket protects the harness from dirt, chemicals, UV (sun light), and other contaminants.
- **Dual colour reflective webbing:** Dual-colour retro-reflective webbing ensures easy orientation and helps prevent the harness from entangling.



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ECO1 Full Body Jacket Harness

Applications:

- **Fall Arrest Systems:** Protects workers from falls during elevated work.
- **High visibility:** High visibility and easy identification of harness in low light zone.
- **Rescue & Evacuation:** Essential for retrieval and emergency scenarios.
- **Construction & Scaffolding:** Provides reliable safety during infrastructure and scaffolding tasks.
- **Tower Climbing:** Enables safe climbing for utility and energy sectors.
- **Industrial Maintenance:** For tasks requiring safe, prolonged suspension.

Industries:

The Harnesses are essential for creating a temporary anchorage point for maintaining a safe and efficient working environment in any manufacturing, construction, utility related industries as follow.



Pharmaceutical



Chemical



Automobile



Food & Breweries



Marine



Transportation



Steel



General
Manufacturing



Oil & Gas



Power



Construction



Heavy
Manufacturing



Agriculture



FMCG

Safety Information:

- Full body harness should be use with appropriate fall arrest device with energy absorption facility.
- Users of fall-protection equipment should not exceed 100 kg of total mass (including tools and equipment).

Usage Instruction:

- Inspect before use
- Ensure all buckles, straps, and D-rings are securely fastened.
- Follow manufacturer instructions for donning, adjustment, and maintenance.
- Replace harness immediately if it has been involved in a fall or shows signs of wear.
- Only trained and authorized personnel should use fall protection harnesses.
- Never modify the harness in any way

Storage:

- Always store the harness in a dry, well-ventilated area. Avoid keeping it in direct sunlight, high heat, or extreme temperatures, as this can weaken materials or cause fading. For added protection, store and transport the harness in its original packaging to prevent from contamination or damage.

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