



TECHNICAL DATASHEET

ANTISTATIC FULL BODY SAFETY HARNESS

UB102AS LITE Full Body Harness

STANDARD: CERTIFIED AS PER IS 3521(Part 1): 2021
CERTIFIED AS PER EN 361:2002



Product Introduction:

- An anti-static harness is designed for working in explosive atmospheres where electrostatic energy is harmful for the environment. Specialized antistatic webbing is engineered to prevent the build-up of static energy that reduces the risk of explosion in explosive atmosphere.

Features:

- One dorsal D-ring and Two textile chest attachment loops for fall arrest.
- In built Fall Indicator to facilitate easy inspection in case a fall has occurred ever.
- Available with fully adjustable chest and thigh strap.
- Built in dual colour webbing for easy orientation.
- Ideally positioned sit-strap for extended comfort.
- Webbing tested as per EN1149-1 & EN1149-5 for electrostatic properties.
- Made from corrosion-resistant edge free aluminium hardware for reliability in harsh environments.



Product Specifications:

Model	: UB102AS LITE
Webbing Material	: AZO free dyed synthetic Polyester with antistatic properties
Webbing Width	: 44 +/-1 mm
Webbing Breaking Strength	: 23 kN (Minimum)
Safe Working Load Capacity	: 100 kg
Stitching Thread Material	: High tenacity virgin multifilament polyester
Stitch Thread Colour	: White
Metal Components	: Lightweight high strength aluminium component
Harness Colour	: Green & Orange
Weight	: 1.2kg Approx. (Only Harness)

Benefits:

- **Easy to adjust:** Adjustable straps on shoulder, chest and thigh provides maximum adjustability.
- **Prevent static energy build up:** Antistatic material prevents the risk of explosion from electrostatic discharge (ESD). This is important for people working in potentially explosive atmospheres.
- **Divides collision force:** An antistatic harness is designed to distribute the force of a collision in case of a fall.



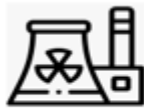
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Applications:

- **Oil & Gas Industry:** reduces static discharge risk in explosive atmospheres.
- **Chemical Plants:** safe for handling flammable vapours or gases at height.
- **Refineries & Petrochemical Sites:** prevents ignition hazards during maintenance.
- **Mining Operations:** protection in potentially explosive underground environments.
- **Pharmaceutical & Paint Industries:** safe for solvent-rich or dust-prone areas.
- **Hazardous Zones:** compliant use in environments with risk of sparks and explosions.

Industries:

The harnesses are essential for body support with connecting element for maintaining a safe and efficient working environment in any manufacturing, construction, utility related industries are as follows.



Nuclear Power & Atomic Energy



Aviation fueling & maintenance



Chemical industries



Oil Drilling Platform



Refinery



Coal & Hydrocarbon mines

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.