

TECHNICAL DATASHEET

UB102

Full Body Harness

FULL BODY SAFETY HARNESS WITH ENERGY ABSORBING LANYARD AND SCAFFOLDING HOOK

STANDARD: CERTIFIED AS PER IS 3521(Part 1): 2021, IS 3521(Part 2): 2021, IS 3521(Part 5): 2021



CONFORING TO EN 361:2002, EN 354:2010, EN 355:2002, EN 362:2004



Product Introduction:

- ☐ Udyogi full body harness is a safety harness that connects the worker to The fall protection system anchored into the structure they are working on. It is designed to safeguard the user from injury or fatal incident. The harness is usually attached with rope lanyard like braided or polyamide.
- ☐ The safety harness is securely attached to a shock-absorbing lanyard, which serves to regulate deceleration and prevent potentially severe G-force injuries upon reaching the end of the rope. By donning the harness, the risk of injury resulting from a fall is significantly diminished. The harness enables the user to secure themselves to a stationary object, thereby ensuring that they will not come into contact with the ground in the event of a fall.

Features:

- ☐ The harness comes with one dorsal D-ring and Two textile chest attachment loops.
- ☐ In built Fall Indicator to facilitate easy inspection in case a fall has occurred ever.
- ☐ Attached with double high strength light weight Energy Absorbing lanyard with scaffolding hook
- ☐ Built in dual colour webbing for easy orientation.
- ☐ Ideally positioned sit-strap for extended comfort.

Product Specifications:

Model	: UB102
Webbing Material	: Polyester
Webbing Width	: 44 +/-1 mm
Webbing Breaking Strength	: 23 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 any sharp edges
Harness Colour	: Yellow and Black
Lanyard Materials	: Polyamide/Braided
Weight	: 2.7kg Approx. (Only Harness)

Benefits:

- ☐ Protection from Falls: A safety harness is an essential tool in preventing the workers from fatal accidents such as falling to the ground from working at height in workplaces.
- ☐ Reduce the risk of injuries: The harnesses distribute wearers' weight evenly, reducing the pressure on their back, legs, and feet, and can also help to prevent falls.
- ☐ Energy Absorber: A lanyard needs a shock absorber when it will be used for fall arrest as it helps to absorb the kinetic energy that is created immediate after a freefall.

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Applications:

- ☐ **Fall Arrest:** Fall arrest harnesses are designed for use in situations involving elevated heights, where workers are exposed to hazards that may involve a free fall. These harnesses, which are a crucial component of personal protective equipment (PPE), typically feature a back dorsal D-ring, which is a critical component of the harness's safety design.
 - ☐ **Working at Height:**
 - ☐ Harnesses are used whilst working at heights, they are secured to an anchor point for preventing falls from heights that can result in serious injuries and even fatalities, the safety harness is one of the most effective ways to prevent them.
- Ladder climbing: A harness can be used for ladder climbing to reduce the risk of falling.

Industries:

maintaining a safe and efficient working environment in any manufacturing, construction, utility related industries are as follows.



Safety Information:

- ☐ Energy absorbing lanyard should be used together with Full Body Harness as connecting subsystem in PFAS as per latest IS standard.
- ☐ Users of fall-protection equipment should not exceed 100 kg of total mass (including tools and equipment).

Usage Instruction:

- ☐ **Inspection:** Harnesses should be inspected in every 6 months' interval. Damaged or defective harnesses should be discarded from service immediately after inspection.

Storage:

- ☐ Always harness should be stored in a dry area away from ultra violet rays. It Should not store in direct / high heat or sunlight as this may distort the colour. The sling can be stored and transported in their original cartons to avoid corrosion due to atmospheric moisture, excessive heat or cold.