



TECHNICAL DATASHEET

UB102FR Full Body Harness

AGNI FLAME RETARDANT FULL BODY SAFETY HARNESS

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

Product Introduction:

- A flame-retardant safety harness is an essential personal protective equipment (PPE) designed to safeguard workers exposed to hazardous environments where the risk of fire, heat, welding spatter is significant.
- These harnesses are specifically engineered to resist ignition and minimize the spread of flames, offering essential protection during falls, accidents, or emergency situations in industries characterized by extreme conditions.
- Flame-retardant safety harnesses play a critical role in ensuring the safety and well-being of workers in environments prone to fire hazards. Whether during high-altitude work, confined spaces, or areas with intense heat sources, these harnesses provide an additional layer of protection. By resisting ignition and slowing down the spread of flames, these harnesses allow workers to escape or be rescued with a greater degree of safety.
- Flame-retardant materials work by chemically reacting to heat and flames to form a protective barrier. This barrier helps limit the extent of burn injuries, providing workers with vital seconds to take action or receive aid in emergency situations.



Features:

- The harness comes with one dorsal D-ring and Two textile loop as sternal attachment on chest for fall arrest.
- In built Fall Indicator to facilitate easy inspection in case a fall has occurred ever.
- Fully adjustable chest and thigh strap.
- Ideally positioned sit-strap for extended comfort.
- Ideal for Welding work and flame retardant work.

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.



Product Specifications:

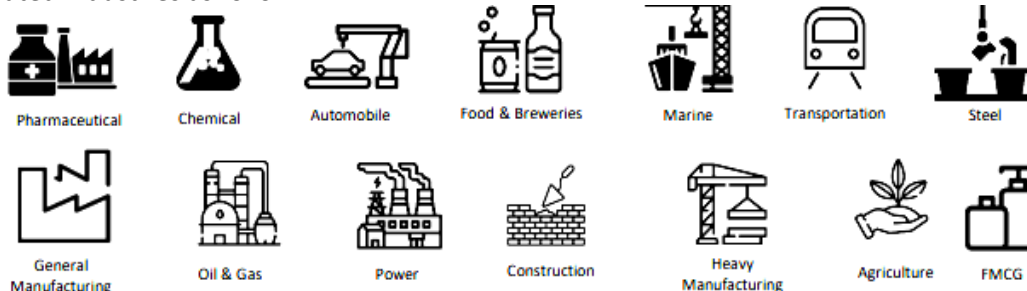
Model	: UB102FR
Webbing Material	: Flame Retardant Polyester
Webbing Width	: 44 +/-1 mm
Webbing Breaking Strength	: 22 kN (Minimum)
Safe Working Load Capacity	: 100 kg
Stitching Thread Material	: High tenacity flame retardant polyester
Stitch Thread Colour	: White
Metal Components	: High quality alloy steel, zinc plated, free from any sharp edges
Harness Colour	: Black
Weight	: 900 grams Approx.

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.
- **Firefighting and welding:** Flame resistant harnesses are used in high-risk environments.
- **Ladder climbing:** The harness can be used for ladder climbing to reduce the risk of falling.

Industries:

This Harness is essential for mainly Furnace industries. The Harnesses are also essential for creating a temporary anchorage point for maintaining a safe and efficient working the environment in any manufacturing, construction, utility related industries as follow.



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.