



## TECHNICAL DATASHEET

### VAAYU YU01 Full Body Harness

#### PADDED FULL BODY SAFETY HARNESS

STANDARD: CERTIFIED AS PER EN 361:2002, EN 358:2018, EN 1497:2007 CE

#### 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.
- 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.
- Udyogi premium harnesses evenly distribute the energy of a fall across the wearer's body to reduce the risk of serious injury. The harnesses Provide support for the wearer's hips, legs, chest, shoulders, and back Provide freedom of movement for the wearer.



#### Features:

- The harness comes with one dorsal D-ring at back, Two Lateral D-rings at waist for work positioning and One Ventral D-ring at Abdomen.
- The Harness also has a big size high strength aluminium O ring as Sternal attachment on chest for ladder climbing that makes it easy to use.
- In built Fall Indicator to facilitate easy inspection in case a fall has occurred ever.
- Ultra-comfortable EVA material padding available at waist, shoulder and thighs, made of air vent technology to improve the comfort while working at height.
- Waist pad is equipped with hard fibre to prevent damages from abrasion.
- Polyester belt tool rings at waist are added to connect tool lanyard with the harness.
- Quick buckles are available at waist, thighs and chest make it light weight, robust, simple, fast and easy access and donning and doffing.

#### 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.
- **Improves stability:** The harness's straps can be adjusted to fit securely and centered around the body, which can help the wearers maintain control of their movements
- **Prevents secondary injuries:** When worn correctly, the harness can prevent secondary injuries and enable quick rescues



### Product Specifications:

|                                   |                                                                                      |
|-----------------------------------|--------------------------------------------------------------------------------------|
| <b>Model</b>                      | : YU01                                                                               |
| <b>Webbing Material</b>           | : AZO free dyed synthetic Polyester                                                  |
| <b>Webbing Width</b>              | : 44 +/-1 mm                                                                         |
| <b>Webbing Breaking Strength</b>  | : 22 kN (Minimum)                                                                    |
| <b>Safe Working Load Capacity</b> | : 100 kg                                                                             |
| <b>Stitching Thread Material</b>  | : High tenacity virgin multifilament polyester                                       |
| <b>Stitch Thread Colour</b>       | : Orange                                                                             |
| <b>Metal Components</b>           | : Aircraft grade Aluminum D-ring and adjuster<br>Buckles and Aluminium Quick buckles |
| <b>Harness Colour</b>             | : Black                                                                              |
| <b>Weight</b>                     | : 2.1 kg Approx. (Only Harness)                                                      |

### 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.
- **Work Position:** A harness can be used for work positioning to hold a worker in place at elevated heights while allowing them to work hands-free. A work positioning harness is a type of full body harness that has positioning D-rings on the both side of waist to allow the worker to use both hands.

### 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.
- **The harness is specially designed for Wind Industries.**

### 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.