



TECHNICAL DATASHEET

TANGO2

Full Body Harness

TANGO2 FULL BODY SAFETY HARNESS WITH ENERGY ABSORBING LANYARD AND SCAFFOLDING HOOK

STANDARD: CERTIFIED AS PER EN 361:2002, EN 354:2010, EN 355:2002, EN 362:2004, IS 3521(Part 1): 2021 CE
IS 3521 (Part 2): 2021, IS 3521 (Part 5): 2021



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 Sternal D Rings on chest.
- In built Fall Indicator to facilitate easy inspection in case a fall has occurred ever.
- Fully adjustable straps at shoulders, chest, thighs and waist. The thigh straps are ergonomic horizontal H-shaped. No discomfort or pressure will be felt on the groin area.
- Attached with double high strength light weight Energy Absorbing lanyard with scaffolding hook.

Advanced Feature:

- The Harness is also available with 1 pair of lightweight Suspension Trauma Straps, specially designed to help relieve the negative effects of Suspension Trauma during (prior to rescue) post-fall suspension as optional advanced model variant.
- This is specially designed Lanyard keepers on both side on chest in advanced model of this harness for safely attaching the free connector end of forked lanyard as well as to park the lanyard when not in use.
- TANGO2 harness also as a variant comes with Specially designed Lanyard keepers on both side on chest for safely attaching the free connector end of forked lanyard as well as to park the lanyard when not in use.



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 immediately after a freefall.



Product Specifications:

Model	: TANGO2
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 white colour polyester
Metal Components	: Shot Blasted Finish High Strength Alloy Steel with Zinc Plated thickness - Free of sharp edges. Capable of taking 50 hrs of neutral salt spray testing
Harness Colour	: Black and Yellow
Rope material	: Polyamide/Braided
Weight	: 1.28 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.

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.