UDYOGI®
LIFE IS PRECIOUS

Scan Here For More Info

TECHNICAL DATASHEET

ULTRATEK DE
Full Body Harness

DIELECTRIC FULL BODY SAFETY HARNESS



STANDARD: CERTIFIED AS PER IS 3521(Part 1): 2021
CONFORING TO EN 361:2002, EN358:2018, EN 813:2024

Product Introduction:

- A dielectric harness is a safety harness made from non-conductive materials to protect workers from electrical hazards. Dielectric harnesses are specially designed to protect workers from electrical shocks and injuries by shielding them from electrical currents.
- The Dielectric harnesses are made from non-conductive materials, also known as electrical insulators.
- Dielectric harnesses often include an integrated fall arrest system to reduce the impact of falls. They may also include carabiners and hooks made from insulating material. This harnesses are used by workers who need to work at height, such as on roofs or pylons.

Features:

- The harness comes with one Dorsal D-ring and One Sternal D-ring on chest for fall arrest Two Lateral D-rings on the waist for work positioning and One Ventral D-ring at waist level for rope access.
- In built Fall Indicator to facilitate easy inspection in case a fall has occurred ever.
- Comfortable and cushioned padding on waist for comfort during long duration use.
- Y-shaped padding and quick buckle on shoulder make it comfortable, simple, fast and easy access and donning.
- Fully adjustable waist pad, thigh pads and back strap.
- Insulation coating makes it ideal for any electricity related application and while working in Glass line reactors.

Product Specifications:

Model	: ULTRATEK DE
Webbing Material	: AZO free dyed synthetic Polyester
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	: Electrically insulated for 9kV dielectric resistance
Harness Colour	: Black
Weight	: 2.5 kg Approx. (Only Harness)

Benefits:

- **Electrical insulation:** Dielectric harnesses are made with arc-resistant materials, such as insulated or dielectric steel attachments and plastic. This makes them completely electrically insulated.
- **Adjustable:** Dielectric harnesses can have adjustable shoulder straps, thigh straps, sternal straps, and waist belts.
- **Ergonomic design:** Some dielectric harnesses have elasticated shoulder straps for a snug fit and flexibility.

Udyogi

294, B. B. Ganguly Street,
2nd Floor, Kolkata - 700 012

E-mail : fp@udyogi.net
Website : www.udyogisafety.com

Tel. : +91 33 2225 1470/71/72

UDYOGI®
LIFE IS PRECIOUS

Scan Here For More Info

ULTRATEK DE Full Body 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.
- **Rope Access:** The harness can be used in various Rope Access operation like Rescue, Maintenance and cleaning etc.
- **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 are as follows.



Safety Information:

- 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.

Udyogi

294, B. B. Ganguly Street,
2nd Floor, Kolkata - 700 012

E-mail : fp@udyogi.net
Website : www.udyogisafety.com

Tel. : +91 33 2225 1470/71/72