



TECHNICAL DATASHEET

RL 22

Full Body Harness

DOUBLE POLYAMIDE LANYARD WITH SCAFFOLDING HOOK

STANDARD: CERTIFIED AS PER EN 355:2002 
IS 3521 (Part 2):2021 & IS 3521 (Part 5):2021 

Product Introduction:

- A safety lanyard is a rope, wire, or cord that secures a person's tools or equipment to their body to prevent loss or accidental dropping. They are commonly used by workers who work at heights such as riggers and construction workers.
- Safety Lanyards are made of a bight of rope mainly braided manmade fibres (nylon), or wires etc. There may be spring hooks attached to them at one or both ends.
- A shock absorbing lanyard is a staple of any personal fall arrest system. Shock absorbing lanyards are designed to keep arresting forces on the body. In addition to the configurations shown below, lanyards are available in almost any length up to 1.8 meter and with nearly any hook combination.

Features:

- Shock absorbing lanyards are designed to keep arresting forces on the body.
- Lanyards incorporate an expansion and contraction feature that allows the lanyard to be extended when length is needed and contracted with the movement of the worker to avoid trips, falls.
- It allows you to stay connected and protected while you move from one location to another.
- If the lanyard has been used to arrest a fall or if the energy absorber has been deployed, the lanyard must be retired immediately. An Impact Indicator gives easy visual reference of a shock load.
- Standard lanyard length is 2 mtr. Lanyards should be long enough to be user-friendly, but kept as short as possible to minimize the free fall distance.
- Both ends of lanyard are connected with SH-60 scaffolding hooks and one alloy steel screw gate (EASY 308) carabiner is connected with the Shock Absorber end.



Benefits:

- **Protection from Falls:** A safety lanyard 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 lanyards connect wearers' weight evenly with the harness, reducing the pressure on their back 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	: RL 22
Rope Material	: 12 mm Polyester Rope
Breaking Strength	: 23 kN (Minimum)
Stitching Thread Material	: High tenacity virgin multifilament polyester
Lanyard Length	: 1.8 meter
Shock Absorber Length	: 0.2 meter
Weight	: 2 kg Approx.



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RL 22 Polyamide Rope Lanyard

Applications:

- **Fall Arrest:** Fall arrest lanyards are designed for use in situations involving elevated heights, where workers are exposed to hazards that may involve a free fall. These lanyards, which are a crucial component of personal protective equipment (PPE), typically connected with the back dorsal D-ring of harness.
- **Working at Height:** Lanyards 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 lanyard is one of the most effective ways to prevent them.
- **Ladder climbing:** The lanyard can be used for ladder climbing to reduce the risk of falling.
- **Rope Access:** The lanyard can be used in various Rope Access operation like Rescue, Maintenance and cleaning etc.

Industries:

The lanyards are essential for creating a temporary anchorage point for maintaining a safe and efficient working 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:** Lanyards should be inspected in every 6 months' interval. Damaged or defective harnesses should be discarded from service immediately after inspection.

Storage:

- Always lanyard 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.

