



TECHNICAL DATASHEET

BL 80

**ENERGY ABSORBING DOUBLE BRAIDED LANYARD WITH ALLOY STEEL
TOWER HOOK**

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



Product Introduction:

- The twin-leg shock-absorbing braided rope lanyard provides continuous fall protection during movement between anchor points. Its kermantle construction reduces the damage to the rope, while the integrated shock absorber minimizes impact force in the event of a fall, ensuring maximum safety and comfort.

Features:

- Twin leg design allows 100% tie-off for continuous protection while moving between two anchor points.
- The inner core (kern) provides high tensile strength, while the outer sheath (mantle) offers excellent protection against abrasion, wear, UV rays, and moisture.
- Includes carabiner at one end and two steel tower hooks with shock absorber at other ends for effective energy absorption after a fall.
- Provides flexible movement in all direction while ensuring safe anchorage.



Product Specifications:

Model	: BL 80
Rope Material	: 10.5 mm Kernmantle Rope
Hook Material	: Alloy Steel
Gate Opening	: 85 mm
Breaking Strength	: 22 kN (Minimum)
Stitching Thread Material	: High tenacity virgin multifilament polyester
Available Lanyard Length	: 1/1.5/1.8 meter
Shock Absorber Length	: 0.2 meter
Weight	: 2.2 kg (Approx.)

Benefits:

- Ensures long service life even in harsh working environments.
- Maintains performance under exposure to UV rays and moisture.
- 100% tie off while working at height.
- Wider opening hook allows easy and quick connection to larger anchor points.
- Reduces impact on user in the event of fall.



BL 80 Braided Rope Lanyard

Applications:

- **Fall Arrest:** Stops a person's fall by reducing the impact force through the integrated shock absorber, ensuring safety when working at heights where a fall risk exists.
- **Fall Restraint:** Restricts the worker's movement, preventing them from reaching areas where a fall could occur, while allowing mobility within a safe working zone.

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:

- Inspect the lanyard, connectors, and shock absorber before each use for cuts, wear, or damage.
- Do not tie knots or modify the lanyard in any way.
- Replace the lanyard immediately after a fall or if the shock absorber is deployed.
- Follow manufacturer's instructions and applicable safety standards during use and inspection.

Storage:

- Store the lanyard in a clean, dry, and well-ventilated area away from direct sunlight, heat, and moisture, ensuring it is completely dry and placed in its original packaging or hang properly to prevent deformation or abrasion.