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TECHNICAL DATA SHEET

LIGHTON ES
A Height Access Helmet



Product Introduction:

- This helmet combines advanced safety and superior comfort, making it ideal for various demanding environments.
- The ABS shell ensures outstanding impact resistance & durability, while also offering superior heat resistance to safeguard the wearer in high-temperature conditions.
- Designed to meet EN397:2012,CE/ ANSIZ89.1,Type1, Class - C standard, it ensures maximum protection for the wearer in various high-risk environment.

Features:

- Short visor made of polycarbonate is attached in front, that resists perfect impact protection.
- ABS provides excellent impact resistance, making these helmets effective in protecting against shocks and collision
- 6-point textile suspension with ratchet fit adjustment allows for quick and easy adjustments to ensure a secure & comfortable fit.
- Non-contact sweat band maximizes comfort, long time use
- "Y' type chinstrap, Holds the shell perfectly, universal fit
- Excellent rain management system to effectively reduce the flow of water down the neck
- Tensile strength is higher than HDPE helmets.

Benefits:

- **High Impact Resistance:** Shell provides excellent protection against impacts, ensuring maximum safety for the wearer.
- **Climbing Protection:** Meets the standard for mountaineering equipment, ensuring protection against impact from falling objects, penetration, and stability during falls.
- **Field of Vision:** Designed to provide a wide field of vision, crucial for safety in dynamic environments
- **Durability:** Good performance against chemical splash, falling objects, radiant heat
- **Secure Fit:** Ensures that the helmet stays securely in place during use, providing consistent protection.
- **Comfort:** Textile suspension systems distribute the weight of the helmet evenly across the head, increasing comfort.

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Product Specifications:

Model: LIGHTON ES
Construction: ABS (Acrylonitrile Butadiene Styrene)
Ventilation: Non ventilated / ventilated
Visor Component: Polycarbonate
Variants: Textile ratchet fit
Weight: 546 grams
Color: : White, Blue
Accessories slot size: 30 mm.
Internal vertical clearance: 46 mm.
Wearing height: 80 mm.
Circumference of Headband: 520-630 mm.
Cradle width: 21 mm.
Chin strap width: 15 mm
Packaging: 20 pcs. per carton
Standard: EN397:2012,CE/ ANSIZ89.1,Type1, Class - E

TEXTILE RATCHET FIT :





Applications :

- **Protection:** The ABS shell provides excellent protection against falling objects which ensures the wearer's safety in case of an accident.
- **Durability:** ABS is resistant to many chemicals, including acids, alkalis, and oils, making it suitable for use in industrial environments where exposure to hazardous substances is possible.
- **Weather Resistance:** The helmet can withstand different weather conditions without degrading, ensuring consistent performance in diverse outdoor environments Ideal for high-altitude tasks.

Industry :

These helmets are utilized for their protective and practical features in various industries such as

Wind Industry | Marine | Construction | Heavy Manufacturing | General Manufacturing | Steel | Automobile

Oil & Gas | Power | Pharmaceutical | Chemical | Agriculture | Transportation | FMCG

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Safety Information :

- When worn and maintained properly, safety helmets do a great job of protecting your head from a single impact.
- Excessive discoloration of the shell color of the surface may indicate a loss of strength. Such helmets should be discarded
- All components, shells, harnesses, headbands, and accessories should be visually inspected at least weekly.
- Helmets with sound shells but with damaged, excessively dirty, or defective harness components should be withdrawn from service and the complete harness and cradle replaced.

Usage Instructions :

- Place the helmet squarely on your head, ensuring it covers the top of your forehead and sits level.
- Turn the ratchet knob present at the back side until the helmet fits snugly and comfortably.
- Adjust the chin strap length to ensure a tight fit without causing discomfort.
- Turn the ratchet knob to the left and loosen the chin strap to put the helmet off.

Storage :

- Can be stored and transported in their original cartons at ambient temperature (0°C to + 30°C)
- Shell may be stored in the dark for up to 3 years
- Do not store in direct / high heat or sunlight as this may distort the suspension

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