



## TECHNICAL DATA SHEET

### ELECTRA Safety Helmet

#### Product Introduction:

- This helmet combines advanced safety & superior comfort, making it ideal for various demanding environments.
- The HDPE (High Density Polyethylene) shell ensures outstanding impact resistance and durability, while also offering superior heat resistance to safeguard the wearer in high-temperature conditions.
- Designed to meet ANSI Z89.1, Type 1, Class-E standard, it ensures maximum protection for the wearer in various high-risk environment.
- Engineered with advanced nitrile coating, NNC Black gloves provide excellent grip, even in oily conditions, and reliable protection against cuts and abrasions.

#### Features:

- HDPE provides excellent impact resistance, making these helmets effective in protecting against shocks & collisions.
- Non-contact sweat band maximizes comfort, long time use
- 6-point textile suspension with ratchet fit adjustment allows for quick and easy adjustments to ensure a secure & comfortable fit.
- Designed to accommodate non-conductive accessories such as face shields, visors etc.
- Buckle type chinstrap, Holds the shell perfectly, universal fit
- Excellent rain management system to effectively reduce the flow of water down the neck

#### Benefits:

- **High Voltage Resistance:** Rated to withstand specific high voltage levels, providing protection against electrical shocks. Helmets are typically classified based on their dielectric strength (e.g. Class E according to ANSI standards)
- **Cost-Effective:** The helmet's HDPE construction is highly impact resistant, making it suitable for use in harsh environment
- **Safety Improvement:** The textile suspension system with a ratchet fit mechanism allows for easy and precise adjustment, ensuring a secure and comfortable fit.
- **Suspension System:** Non-conductive suspension systems to maintain electrical insulation
- **Durability:** The robust construction and impact-resistant properties of the HDPE shell ensure long-lasting performance, even in harsh conditions
- **Non-Polar Nature:** HDPE is non-polar, making it resistant to solvents, acids, and bases
- **Recyclable:** Prevents hazardous substances from spilling onto the ground or into waterways

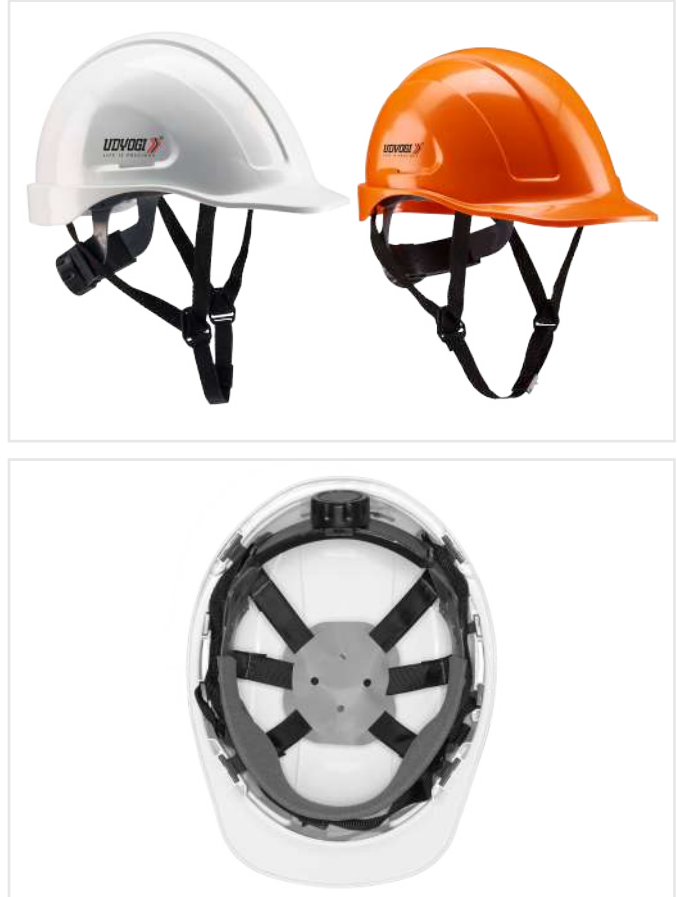




### Product Specifications:

**Model:** ELECTRA  
**Construction:** HDPE (High Density Polyethylene)  
**Ventilation:** Non ventilated  
**Variants:** Textile Ratchet  
**Weight:** 423 grams  
**Color:** White, Red, Orange  
**Accessories slot size:** 30 mm.  
**Internal vertical clearance:** 49 mm  
**Wearing height:** 80 mm  
**Circumference of Headband:** 520 – 630 mm  
**Chin strap width:** 15 mm  
**Cradle width:** 19 mm  
**Peak size:** 35 mm  
**Packaging:** 50 pcs. per carton  
**Standard:** ANSI Z89.1, Type 1, Class-E

### TEXTILE RATCHET FIT :



### Applications :

- The HDPE shell provides excellent protection against falling objects which ensures the wearer's safety in case of an accident.
- HDPE is resistant to various chemicals, adding an extra layer of protection in environments where exposure to hazardous substances is possible.
- The helmet can withstand different weather conditions without degrading, ensuring consistent performance in diverse outdoor environments.

### Industry :

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



Power



Heavy  
Manufacturing



Automobile



Steel



Oil & Gas



Chemical



Construction



General  
Manufacturing



Pharmaceutical



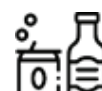
Marine



Railway



Logistic



Food & Breweries



FMCG



### **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