



## TECHNICAL DATA SHEET

### UD 91 Safety Spectacle

#### Product Introduction:

- Udyogi UD-91 Safety Spectacles are designed to offer superior protection for workers in various industrial environments.
- These frameless, light weight, snug fitting, polycarbonate lenses provides ideal impact protection around the eyes.
- Designed to meet IS 8521-Part-1:2022 standard.



#### Features:

- Polycarbonate temple with polycarbonate lens
- Snug-fitting wraparound lens provides perfect impact protection around the eyes
- Anti-fog & hard coating on lens ensures that the lenses remain clear even in humid environment and prevents scratches that expands shelf life
- Soft TPR temple tip provides extra comfort
- Lens offers users the clearest and the most panoramic view without obstruction
- Lens filters out 99.9% of harmful UV light
- On-piece lens, with dual 10 base curvature

#### Benefits:

- **Impact Resistance:** The polycarbonate lenses offer excellent resistance to high-velocity impacts, protecting the eyes from flying particles, sparks, and debris in industrial environments
- **Enhanced Comfort:** UD 91 is a lightweight material, reducing strain during prolonged use. Soft TPR temple tip provides extra comfort for long time use.
- **Recyclable:** Polycarbonate is recyclable. After the safety spectacles reach the end of their useful life, they can be recycled, helping to reduce environmental impact.
- **Durability:** The robust construction and weather-resistant properties of the Polycarbonate lens ensure long-lasting performance, even in harsh conditions.

#### Udyogi



### Product Specifications:

**Model:** UD 91 - Safety Spectacle  
**Lens:** Component: Polycarbonate  
**Temple Component:** Polycarbonate temple with soft TPR tip  
**Lens option:** Clear & Grey  
**Optical Class:** 1  
**Filter:** 2-1.2 (Clear); 2-2.5 (Gray)  
**Impact Resistance:** F (45 m/s)  
**Coating:** K (Hard Coat) & N (Anti-fog)  
**Weight:** 21 grams.  
**Temple Length:** 100 mm.  
**Width between temple tips:** 105 mm.  
**Hinge to hinge width:** 138.62 mm.  
**Packaging:** 200 pcs. per carton  
**Standard:** IS 8521-Part-1:2022

### Variants

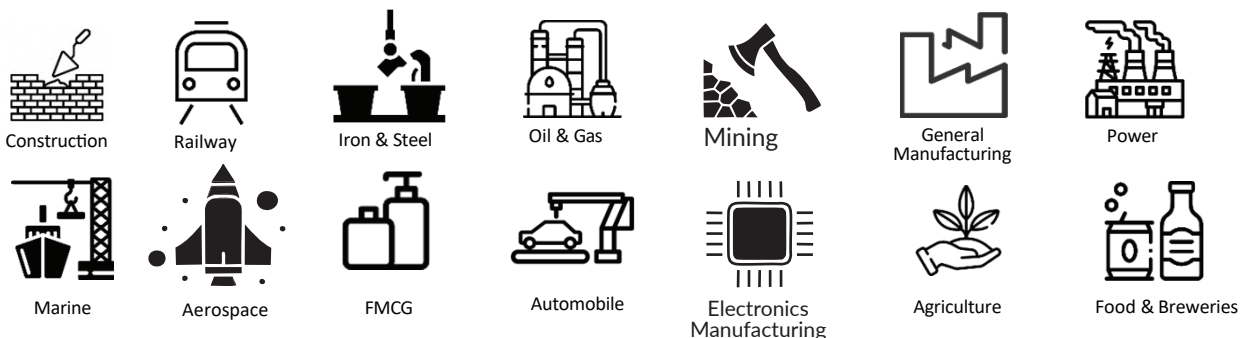


### Applications:

- Protects eyes exposed to low speed-low-energy impacts.
- Protection from flying rock, dust, debris, cement particles, metal shards, machinery hazards etc.
- Shields against liquid splashes and hazardous materials.

### Industry:

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





### **Safety Information :**

- Avoid Exposure to High Temperatures although polycarbonate is durable, prolonged exposure to extreme heat may affect its integrity.
- Check the spectacles regularly for any cracks, scratches, or damage. Replace them if the integrity is compromised to ensure continued protection.
- Clean the lenses regularly with a soft, clean cloth to maintain clear vision. For stubborn dirt or chemical residue, use mild soap and water.

### **Usage Instructions :**

- Place the spectacles over your eyes gently, ensuring they fit securely.
- Adjust the temples so the spectacles sit comfortably on your nose & ears
- Ensure the lenses cover your entire eye area, providing maximum protection without obstructing your vision.

### **Storage :**

- Can be stored in the dark for up to 2 years
- Do not store in direct / high heat or sunlight as this may distort the color
- Can be stored and transported in their original cartons at ambient temperature (0° C to +30° C)