

## TECHNICAL DATA SHEET

### UD 71 Safety Spectacle

#### Product Introduction:

- Udyogi UD-71 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 and EN 166:2001 standard, which covers requirements for optical quality, mechanical strength, and impact protection.



#### Features:

- Polycarbonate lens with polycarbonate temple provides excellent impact resistant.
- Snug-fitting 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
- Lens filters out 99.9% of harmful UV light.
- Close-fitting unitary front with dual 9.75 base curvature offers wide and unobstructed vision.
- Incredibly light, resilient & durable protective eyewear for all day wear. Fashionable design resembles spectacle, suitable for both men and women

#### 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:** Polycarbonate is a lightweight material, reducing strain during prolonged use. Soft TPE 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 shell ensure long-lasting performance, even in harsh conditions.

## Product Specifications:

**Model:** UD 71 - Safety Spectacle  
**Lens: Component:** Polycarbonate  
**Temple Component:** Polycarbonate  
**Lens option:** Clear & Grey  
**Coating:** K (Hard Coat) & N (Anti-fog)  
**Optical Class:** 1  
**Filter:** 2-1.2 (Clear); 2-2.5 (Gray)  
**Impact Resistance:** F (45 m/s)  
**Temple Length:** 120 mm.  
**Width between temple tips:** 105 mm.  
**Hinge to hinge width:** 133 mm.  
**Max height of Lens:** 40 mm.  
**Nasal Width:** 28 mm.  
**Weight:** 20 grams.  
**Packaging:** 200 pcs. per carton  
**Standard:** IS 8521-Part-1:2022; EN 166:2001;  
 ANSI Z87.1

## Variants



Gray Lens



Anti Fog Coating

## Applications:

- Protects eyes exposed to high speed-low-energy impacts.  
g rock, dust, debris, cement particles, metal shards, machinery hazards etc.  
hields against liquid splashes and hazardous materials.

## 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 prescription glasses, 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)