



## TECHNICAL DATA SHEET

### **TWISTER** Safety Spectacle

#### Product Introduction:

- Udyogi Twister Safety Spectacles are designed to offer superior protection for workers in various industrial environments.
- These unique feature of adjusting the breadth of temple and side extension of lens makes it suitable to provide a comfortable & secure fit.
- Designed to meet EN 166:2001, CE standard, which covers requirements for optical quality, mechanical strength, and impact protection.



#### Features:

- Polycarbonate temple with polycarbonate lens provides excellent impact protection
- Anti-fog & hard coating on lens ensures that the lenses remain clear even in humid environment and prevents scratches that expands shelf life
- Unique design & adjustable temple tips for customize fitting
- Modern temple design, soft TPE nose piece, soft temple tips contours to fit all head shapes without stress
- Provides non-metallic design
- Fashionable design resembles spectacle, suitable for both men and women
- Lens filters out 99.9% of harmful UV light
- Stylish temple design tips contour to fit head shapes without stress
- Lens offers users the clearest and the most panoramic view without obstruction

#### 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 Nylon temple 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:** Twister - Safety Spectacle  
**Lens Component:** Polycarbonate  
**Temple Component:** Polycarbonate  
**Nose piece:** TPE (Thermoplastic elastomer)  
**Hinge:** 3 barrel type  
**Lens option:** Clear  
**Optical Class:** 1  
**Filter:** 2C-1.2  
**Impact Resistance:** F (45 m/s)  
**Coating:** K (Hard Coat) & N (Anti-fog)  
**Weight:** 30 grams.  
**Packaging:** 100 pcs. per carton  
**Standard:** EN166 :2001,CE

### Applications:

- Protects eyes exposed to high 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:

The helmets are utilized for their protective and practical use in various industries:



Mining



Construction



Railway



Iron & Steel



Oil & Gas



General Manufacturing



Power



Marine



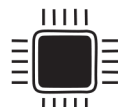
Aerospace



FMCG



Automobile



Electronics Manufacturing



Agriculture



Food & Breweries





### 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)