



TECHNICAL DATA SHEET

ULTRA - Z Metal Free Safety Spectacle

Product Introduction:

- Ultra-Z Safety Spectacles are designed to offer superior protection for workers in various industrial environments.
- These robust, snug fitting, rimmed designed polycarbonate lenses provides ideal impact protection around the eyes.
- Designed to meet IS 8521-Part-1:2022 & EN 166-2001 standard.



Features:

- Polycarbonate temple with rimmed polycarbonate lens provides F level impact protection
- Provides non-metallic design
- Anti-fog & hard coating on lens ensures that the lenses remain clear even in humid environment and prevents scratches that expands shelf life
- The rimmed design prevents dust, and provides clear vision after long time use.
- Unique dual stand designed temple for better grip & comfort that also provides air circulation
- Lens filters out 99.9% of harmful UV light

Benefits:

- **Impact Resistance:** Ultra-Z offers excellent resistance to lower-velocity impacts, protecting the eyes from flying particles, sparks, and debris in industrial environments
- **Enhanced Comfort:** The lenses are designed to resist dust and it is comparatively lightweight item, reducing strain during prolonged use.
- **Recyclable:** The model 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.



Product Specifications:

Model: Ultra Z - Safety Spectacle
Lens Component: Polycarbonate
Temple Component: Polycarbonate
Hinge: 3 barrel type
Lens option: Clear & Gray
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: 23 grams.
Temple Length: 120 mm.
Max length of lens: 42.88 mm.
Width between nose bridge: 36 mm.
Width between temple tips: 105 mm.
Hinge to hinge width: 136 mm.
Packaging: 200 pcs. per carton
Standard: IS 8521-Part-1:2022; EN166-2001,CE

Variants



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:

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



Mining



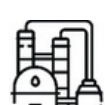
Iron & Steel



Construction



Railway



Oil & Gas



General Manufacturing



Power



Marine



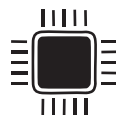
Aerospace



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 1 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)