

Eye
PROTECTION

VisonSafe[™]

Eye Protection

Essential for Workplace Safety

In today's fast-paced workplaces, protecting your vision is paramount. That's why VisonSafe™ offers a range of cutting-edge eye protection solutions designed to keep your eyes safe from a variety of workplace hazards. At Bison Life®, we understand the importance of clear vision and the potential risks your eyes face every day. Our safety glasses, goggles, and face shields are meticulously crafted using high-quality materials to provide durability, comfort, and maximum protection.

Why Eye Protection Matter?

Protecting your eyes is crucial for staying safe at work. Whether you're in construction, manufacturing, healthcare, or any other industry, wearing the right eye protection can prevent serious injuries and safeguard your vision.

Understanding the Importance

Eye injuries can be severe and sometimes lead to permanent vision loss. Wearing safety glasses, goggles, or face shields helps shield your eyes from flying debris, chemicals, bright lights, and other hazards. This protection is vital for preventing injuries that could affect your ability to see clearly.

Choosing the Right Gear

- **Safety Glasses:** Lightweight and comfortable, these are ideal for protecting against dust, particles, and minor impacts.
- **Goggles:** Provide a secure seal around the eyes, offering protection from chemicals, splashes, and fine dust.
- **Face Shields:** Cover the entire face, providing additional protection against splashes, chemical spills, and high-velocity impacts.
- **Welding Helmets:** Designed to protect the eyes and face from intense light and sparks during welding operations.
- **Sunglasses with UV Protection:** Essential for outdoor workers to protect against harmful ultraviolet (UV) rays.
- **Prescription Safety Glasses:** Prescription safety glasses are essential for individuals who need vision correction and work in environments with potential eye hazards.

Making Safety a Priority

Prioritizing eye protection means understanding the risks and choosing the appropriate gear. It's not just about following workplace rules; it's about protecting your vision and overall health. Always wear the right protection for the job and ensure it fits properly.

EN 166 is a European standard that sets out the requirements for personal eye protection. This standard covers a wide range of protective eyewear, including safety glasses, goggles, and face shields, designed to shield the eyes from various hazards in the workplace or other environments.

key aspects of EN 166 standard:

● Impact Resistance:

Eyewear must provide adequate protection against high-speed particles and projectiles, ensuring they do not shatter upon impact.

● Optical Quality:

Lenses must have minimal optical distortion to provide clear vision without causing discomfort or eye strain.

● Protection Against Ultraviolet (UV) Radiation:

Some eyewear may offer UV protection to shield the eyes from harmful UV rays, which can cause long-term damage to the eyes and surrounding skin.

● Frame Durability:

Frames should be robust and capable of withstanding mechanical stresses without breaking or deforming.

● Comfort and Fit:

Eyewear should be comfortable to wear for extended periods, with adjustable features to ensure a secure and personalized fit for different users.

● Resistance to Chemicals and Liquids:

Eyewear may be tested for resistance to various chemicals and liquids, depending on the intended use and workplace hazards.

● Marking and Labeling:

Each piece of eyewear must be marked with relevant information, including the manufacturer's details, lens properties (e.g., optical class, UV protection), and compliance with the EN 166 standard.

By adhering to the requirements outlined in EN 166, manufacturers ensure that their protective eyewear offers reliable protection against common workplace hazards, promoting safety and reducing the risk of eye injuries. It's important for employers and workers to select eyewear that meets the appropriate standards for their specific tasks and environments to ensure optimal protection and comfort.

Key Aspects of ISO 16321-1:2021

● Adaptability to Emerging Risks:

ISO 16321-1:2021 addresses emerging risks, such as protection against ultraviolet and infrared radiation, which may not be fully covered by EN166:2001 but under other standards such as EN170, EN171. This guarantees more complete protection in constantly changing work environments since ISO 16321-1:2021 covers them all.

● Personalized Risk Assessment:

The new standard places strong emphasis on the assessment of specific risks in the workplace, allowing for more precise selection of protective devices. This leads to more effective and personalized protection for workers.

● Labeling & Marking Improvements:

ISO 16321-1:2021 establishes detailed requirements for the labeling and marking of eye protection devices, facilitating quick and clear identification of the safety features provided.

● Incorporating Technological Advances:

By integrating the latest technological advances and scientific discoveries, the standard ensures that eye protection products are at the forefront of safety, leveraging innovations for greater effectiveness.

The ANSI Z87.1 standard, set by the American National Standards Institute, outlines the criteria for the design, construction, testing, and use of eye protection devices, including prescription safety glasses. The standard ensures that eyewear provides adequate protection against hazards such as impacts, chemicals, dust, and radiation.

Key Aspects of ANSI Z87.1

● Impact Protection:

High Impact: Tested by shooting a 1/4-inch steel ball at the lens at high speeds. High-impact lenses must withstand this without breaking.

Basic Impact: Requires lenses to withstand a lower impact force than high-impact lenses.

● Lens Markings:

Lenses marked with "Z87+" meet the high-impact protection standards.

Basic impact lenses will simply have "Z87" marked on them.

● Frame Markings:

Frames are marked with "Z87-2" if they can accommodate prescription lenses and meet the safety requirements.

Regular safety frames without prescription capabilities are marked "Z87."

● Lens Coatings and Features:

Anti-fog, anti-scratch, and UV protection coatings can be added to enhance the functionality and safety of the glasses.

Markings indicating specific features, such as "U" for UV protection and "V" for variable tint.

● Coverage and Fit:

Eyewear must provide adequate coverage to protect the eyes from different angles, including side protection.

Should fit securely and comfortably to ensure they stay in place during use.

● Specific Use Cases:

ANSI Z87.1 also covers specialized eyewear for protection against chemical splashes, dust, and optical radiation from welding and cutting operations.

Importance of Compliance

Compliance with ANSI Z87.1 ensures that safety glasses provide reliable and standardized protection in hazardous environments. Employers are responsible for providing appropriate eye protection to their workers, and ensuring compliance with this standard helps mitigate the risk of eye injuries.

SportzV®



Product Specification

Frame	Nylon
Lens Material	Polycarbonate
Lens Colour	Clear
Anti-Fog	Yes
Anti-Scratch	Yes
UV Protection	Yes
Nose Bridge	TPR
Temple	Nylon with Rubber tip

Packaging Information

1 Piece / Polybag
12 Pieces / Bubblewrap
144 Pieces / Carton

Product SKU	Size	Inner pack UPC	Carton GTIN
BLSH-MS-SVSG-CLLCT-BKR	OSFM	810090089393	00810090088839

CE EN 166

ANSI Z87.1

SportzV® Safety Glasses are lightweight, sturdy, protective, stylish, and comfortable.



ANTI-SCRATCH



ANTI-FOG



ANTI-SLIP TEMPLE



SOFT NOSE BRIDGE



BROW GUARD




LATERAL PROTECTION

Safety Glasses

VisonSafe™ Series

Kristal®

Single Wraparound Polycarbonate Lens

CE EN 166 ANSI Z87.1 Available in 



Product Specification

Lens Material	Polycarbonate
Lens Colour	Clear / Grey
Anti-Scratch	Yes
UV Protection	Yes
Nose Bridge	Integrated with lens
Temple	Polycarbonate



ANTI-SCRATCH



FLEXIBLE
TEMPLE



LATERAL
PROTECTION

Packaging Information

1 Piece / Polybag
12 Pieces / Bubblewrap
144 Pieces / Carton

Product SKU	Size	Colour	Inner pack UPC	Carton GTIN
BLSH-ES-KR-CLLCT	OSFM	Clear	810090088662	00810090088686
BLSH-ES-KR-CLCT-BK	OSFM	Black	810090088693	00810090088716
BLSH-ES-KR-CLLCT-BR	OSFM	Brown	810090088723	00810090088747
BLSH-ES-KR-CLLCT-Y	OSFM	Yellow	810090088754	00810090088778

HylineX®

Single Wraparound Polycarbonate Lens with Soft Temple Tip

CE EN 166 ANSI Z87.1



Product Specification

Lens Material	Polycarbonate
Lens Colour	Clear
Anti-Fog	Yes
Anti-Scratch	Yes
UV Protection	Yes
Nose Bridge	Integrated with lens
Temple	Polycarbonate with Rubber tip



ANTI-FOG



ANTI-SCRATCH



ANTI-SLIP
TEMPLE

Packaging Information

1 Piece / Polybag
12 Pieces / Bubblewrap
144 Pieces / Carton

Product SKU	Size	Inner pack UPC	Carton GTIN
BLSH-MS-HYX-CLLCT-BL	OSFM	810090089423	00810090088860

Hicross®

Single Wraparound Polycarbonate Lens with Soft Padding

CE EN 166 ANSI Z87.1



Product Specification

Lens Material	Polycarbonate
Lens Colour	Clear
Anti-Fog	No
Anti-Scratch	Yes
UV Protection	Yes
Nose Bridge	Integrated with lens
Temple	Polycarbonate
Padded Seal	Yes



ANTI-SCRATCH



PADDED
SEAL



LATERAL
PROTECTION

Packaging Information

1 Piece / Polybag
12 Pieces / Bubblewrap
144 Pieces / Carton

Product SKU	Size	Inner pack UPC	Carton GTIN
BLSH-ES-HCSG-CLLCT	OSFM	810090088488	00810090088815

Hicross®

Single Wraparound Polycarbonate Lens with Soft Padding

CE EN 166 ANSI Z87.1



Product Specification

Lens Material	Polycarbonate
Lens Colour	Clear
Anti-Fog	Yes
Anti-Scratch	Yes
UV Protection	Yes
Nose Bridge	Integrated with lens
Temple	Polycarbonate
Padded Seal	Yes



ANTI-FOG



ANTI-SCRATCH



PADDED
SEAL



LATERAL
PROTECTION

Packaging Information

1 Piece / Polybag
12 Pieces / Bubblewrap
144 Pieces / Carton

Product SKU	Size	Inner pack UPC	Carton GTIN
BLSH-MS-HCSG-CLLCT	OSFM	810090088495	00810090088822

Safety Glasses

VisonSafe™ Series

Hicross® Plus

Polycarbonate Lens with Soft Padding & Soft Temple Tip

CE EN 166 ANSI Z87+



Product Specification

Lens Material	Polycarbonate
Lens Colour	Clear
Anti-Fog	Yes
Anti-Scratch	Yes
UV Protection	Yes
Nose Bridge	Integrated with lens
Temple	Polycarbonate
Padded Seal	Yes

Packaging Information

1 Piece / Polybag
12 Pieces / Bubblewrap
144 Pieces / Carton

Product SKU	Size	Colour	Inner pack UPC	Carton GTIN
BLSH-VS-HCP-CLLCT	OSFM	Clear	810188141361	00810188141385
BLSH-VS-HCP-CLCT-BK	OSFM	Black	810188141392	00810188141415



ANTI-FOG



ANTI-SCRATCH



PADDED SEAL



LATERAL PROTECTION



ANTI-SLIP TEMPLE

BoxerX®

Frameless Safety Glasses with Adjustable Temples

CE EN 166 ANSI Z87.1



Comes with Cord

Product Specification

Lens Material	Polycarbonate
Lens Colour	Clear
Anti-Fog	Yes
Anti-Scratch	Yes
UV Protection	Yes
Nose Bridge	TPR
Adjustable Temple	Nylon

Packaging Information

1 Piece / Polybag
12 Pieces / Bubblewrap
144 Pieces / Carton

Product SKU	Size	Inner pack UPC	Carton GTIN
BLSH-MS-BOX-CLLCT-O	OSFM	810090089416	00810090088853



Anti-Fog



Anti-Scratch



Soft Nose Bridge



Adjustable Temple



Multi Angle Adjustment Temple



Lateral Protection

Duarte®

Semi-Framed Safety Glasses (OTG)

CE EN 166 ANSI Z87.1



Comes with Cord

Product Specification

Frame	Nylon
Lens Material	Polycarbonate
Lens Colour	Clear
Anti-Fog	Yes
Anti-Scratch	Yes
UV Protection	Yes
Nose Bridge	TPR
Temple	Nylon with Rubber tip

Packaging Information

1 Piece / Polybag
12 Pieces / Bubblewrap
144 Pieces / Carton

Product SKU	Size	Inner pack UPC	Carton GTIN
BLSH-MS-OTGP-CLLCT-BK	OSFM	810090089362	00810090088808



Anti-Fog



Anti-Scratch




Brow Guard



Lateral Protection

Diamont®

Single Piece Polycarbonate Safety Glasses (OTG)

CE EN 166 ANSI Z87.1 Available in 



Product Specification

Lens Material	Polycarbonate
Lens Colour	Clear
Anti-Scratch	Yes
UV Protection	Yes
Nose Bridge	Integrated with lens
Vented Temple	Polycarbonate
Metal Free	Yes

Packaging Information

1 Piece / Polybag
12 Pieces / Bubblewrap
144 Pieces / Carton

Product SKU	Size	Inner pack UPC	Carton GTIN
BLSH-MS-SVSG-CLLCT-BKR	OSFM	810090089393	00810090088839



Anti-Fog



Anti-Scratch



Vented Temple

Safety Glasses & Goggles

VisonSafe™ Series

PrimeX™

Frameless Safety Glasses with Soft Temple Tip

CE EN 166 ANSI Z87.1



Product Specification

Lens Material	Polycarbonate
Lens Colour	Clear
Anti-Fog	Yes
Anti-Scratch	Yes
UV Protection	Yes
Nose Bridge	Integrated with lens
Temple	Polycarbonate with Rubber tip



Anti-Fog



Anti-Scratch



Anti-Slip Temple



Lateral Protection

Packaging Information

1 Piece / Polybag
12 Pieces / Bubblewrap
144 Pieces / Carton

Product SKU	Size	Inner pack UPC	Carton GTIN
ZH-PRXSG-CLLBKT-MS14	OSFM	810025605087	00810025605094

PrimeX™

IR5 Frameless Safety Glasses with Soft Temple Tip

CE EN 166 ANSI Z87.1



IR5

Product Specification

Lens Material	Polycarbonate
Lens Colour	IR5
Anti-Fog	Yes
Anti-Scratch	Yes
UV Protection	Yes
Nose Bridge	Integrated with lens
Temple	Polycarbonate with Rubber tip



Anti-Fog



Anti-Scratch



Anti-Slip Temple



Lateral Protection

Packaging Information

1 Piece / Polybag
12 Pieces / Bubblewrap
144 Pieces / Carton

Product SKU	Size	Inner pack UPC	Carton GTIN
SH-PRXSG-FCBK-MS14-IR5	OSFM	810025605186	00810025605193

SplashGuard™

Indirect Vented Safety Goggles

CE EN 166 ANSI Z87.1



Product Specification

Frame	PVC
Lens Material	Polycarbonate
Lens Colour	Clear
Anti-Scratch	Yes
UV Protection	Yes
Nose Bridge	Integrated with lens
Headband	Adjustable elastic
Ventilation	Indirect vents



Anti-Scratch



Indirect Vents



Lateral Protection

Packaging Information

1 Piece / Polybag
12 Pieces / Bubblewrap
144 Pieces / Carton

Product SKU	Size	Inner pack UPC	Carton GTIN
BLSH-ES-SG-CLLCLT	OSFM	810090089348	00810090088785

SplashGuardX™

Chemical Splash Goggle with Soft Face Seal

CE EN 166 ANSI Z87.1



Product Specification

Sealing	Silicone
Lens Material	Polycarbonate
Lens Colour	Clear
Anti-Scratch	Yes
UV Protection	Yes
Nose Bridge	Integrated with lens
Headband	Adjustable elastic



Anti-Fog



Anti-Scratch



Silicone Padded Seal



Panoramic Vision

Packaging Information

1 Piece / Polybag
12 Pieces / Bubblewrap
120 Pieces / Carton

Product SKU	Size	Inner pack UPC	Carton GTIN
BLSH-MS-SGX-CLLCT-BKR	OSFM	810090089409	00810090088846

HG123 Universal Aluminium Metal Headgear



Product Specification

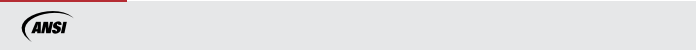
Product	Universal Metal Headgear
Material	Aluminium
Size	21.5*18.5*2.5 cm
Colour	Black
Weight	60 grams

Packaging Information

1 Pc / Poly Bag
50 Pcs / Carton

Product SKU	Size	Inner pack UPC	Carton GTIN
BLSH-ES-UHG- BK-1	OSFM	810090087313	00810090087320

FS121 Clear Polycarbonate Visor



Product Specification

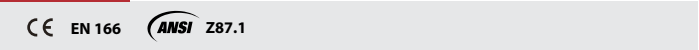
Product	Polycarbonate Visor
Size	30*20 cm
Colour	Clear
Anti-Fog	Yes
Anti-Scratch	Yes
Weight	70 grams

Packaging Information

10 Pc / Polybag
200 Pcs / Carton

Product SKU	Size	Inner pack UPC	Carton GTIN
BLSH-ES-RFS-1	OSFM	810090087337	00810090087344

FS321 IR5 Polycarbonate Visor



Product Specification

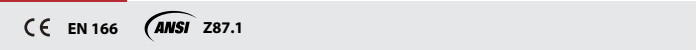
Product	Polycarbonate Visor
Size	39.5*24 cm
Colour	IR5
Anti-Fog	Yes
Anti-Scratch	Yes

Packaging Information

10 Pc / Polybag
200 Pcs / Carton

Product SKU	Size
BLSH-ES-IR5FS-1	OSFM

FS421 Gold Coated Polycarbonate Visor



Product Specification

Product	Polycarbonate Visor
Size	39.5*24 cm
Colour	Gold coated
Anti-Fog	Yes
Anti-Scratch	Yes

Packaging Information

10 Pc / Polybag
200 Pcs / Carton

Product SKU	Size
BLSH-ES-GFS-1	OSFM

VisonSafe™

Prescription Safety Glasses



CE EN 166 EN ISO 16321-1

Prescription safety glasses are essential for individuals who need vision correction and work in environments with potential eye hazards.

Product Specification

Frame	Polycarbonate
Lens Material	Polycarbonate
Lens Colour	Clear
UV Protection	Yes
Nose Bridge	Integrated with lens
Temple	Polycarbonate

Features

- **Lateral Protection**
Integrated side shields with a wraparound design for complete safety, shielding you from dust and debris
- **UV Protection**
Blocks harmful rays so your eyes stay safe, no matter the forecast
- **Safety Meets Style**
Eyewear that delivers both performance and protection. Whether at work or play, protect your eyes without compromising on comfort or aesthetics





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For all your product availability & distribution related queries

South Region : south@bisonlife.com

North Region : north@bisonlife.com

East Region : east@bisonlife.com

West Region : west@bisonlife.com

Technical Queries **Ask the Expert**



www.bisonlife.com



Global Corporate Headquarter

Bison Life®
375 Winkler Drive,
Suite E, Alpharetta,
GA 30004, United States

Regional Headquarters India

Bison Life® India Private Limited
#137/34, HMG Ambassador Building,
10th Floor, Residency Road,
Bengaluru-560025, India

Regional Headquarters UK

Bison Life® UK
124 City Road, London,
EC1V 2NX, UK