



Prescription Safety Eyewear Reference Guide



SafeVision

BY HOYA

PROGRAM MANAGEMENT

SafeVision has continuously provided comprehensive eye protection products and programs for over 75 years. We are the leading manufacturer of safety prescription eyewear in North America.



Why safety prescription eyewear?

OH&S regulations require employers to ensure that employees have appropriate eye or face protection if they are exposed to potential hazards. General dress eyewear (streetwear or non-safety frames) does not meet the CSA Standard for Safety Prescription Eyewear. The CSA Z94.3 Standard specifies that safety prescription eyewear meet stringent design, structural and lens retention requirements.

All SafeVision frames have been tested to and meet the requirements of US ANSI Z87.1. Frames tested to meet the requirements of CSA Z94.3 are specified in the Canada frame guide.

Establishing an effective safety prescription eyewear management program

SafeVision offers industry-leading management programs with our innovative administrative tools and comprehensive dispensing services network. Our sales and marketing teams are trained to help you establish a unique set of options customized to your needs. We can also help you implement your program in a timely fashion.

Critical components of program administration

Control Help you control the management of your program options and costs

Inform Provide tools to help inform your employees about program details

Instruct Communicate key parameters to the Eye Care Professionals that provide fitting services to your employees

We can provide you with multiple levels of capabilities that give you easy access to custom order forms using our program's realtime product database.

Planning a Comprehensive Safety Prescription Eyewear Program

Successful implementation of an eye protection program starts with proper planning and clear understanding of your organization's safety requirements. Our process will help you get started.

We have a comprehensive database that communicates your program information to your employees and the Eye Care Professionals servicing your organization.

Our invoices contain all the information you require, in an easy-to-use format – this helps you monitor and measure the cost effectiveness of your program.

In addition, we provide timely and detailed reports to help you audit your program performance and to assist with your compliance monitoring responsibilities.

You can rely on the SafeVision sales team to help you customize a unique set of options that meets your requirements and reduces your administrative burden. Once you have completed a hazard assessment and identified tasks that require eye and face protection, we can explain the features and benefits of our frame and lens options to help you select products to meet your needs.



PRODUCT ASSORTMENT



Lenses and Treatments – The Latest in Design and Technology

The SafeVision program offers the latest in HOYA lens technology. Lens options include Single-Vision, Bifocals, Trifocals and No-line Bifocals, commonly referred to as Progressive Addition Lenses (PALs). We offer the latest technology in digital surfaced PAL designs.

We highly recommend Phoenix lenses when weight and chemical resistance are important and Polycarbonate lenses for general high impact protection. Safety eyewear made with Polycarbonate, Phoenix and Plastic lens materials meets the CSA Z94.3 requirements.

Numerous lens options exist, including photochromics and polarized sunlenses. Treatments can enhance lens durability, improve visual acuity and increase performance. We offer treatment options to enhance scratch protection, increase ease of cleaning and resist fogging.



Comprehensive Selection of Frame Styles

The SafeVision frame collection features a wide range of styles, from fashionable sport eyewear to stylish and well-fitting eyewear designs in a variety of materials, shapes and sizes.

We provide plastic frame styles made from non conductive materials. We also offer frames made with hypoallergenic stainless steel, a material known for its light weight, durability and corrosion resistance. Our frames have a variety of fitting characteristics to improve comfort, including soft adjustable nose pads, comfort nose bridges and adjustable-length temples. We also have a collection of sealed frame designs that provide extra protection in dusty and dirty environments.

Our sideshields are designed to provide lateral coverage while optimizing fit and comfort. All frame styles are offered with integrated or permanent sideshield options.



SERVICE

Customer Excellence

Our modern manufacturing facility has the latest in optical manufacturing equipment and customer service communication systems are staffed by an experienced and dedicated team.

Getting the right eyewear to your employees on time is something we take very seriously. We have invested heavily in the latest automated digital-processing equipment to ensure that prescriptions are produced accurately and quickly.

In addition, we offer a full warranty on all eyewear produced.

Our sales team is experienced and can counsel you on how to establish an optimum eye protection administration program. We have a sales support group that will assist with setting up your customized program so that your needs can be efficiently communicated to our network of Eye Care Professionals (ECPs). To ensure an effective start-up campaign, our sales support team will contact you to discuss any questions you may have, and after your first invoice, we will reach out to your designated accounts payable contact to ensure that everything on our invoices is to your satisfaction.

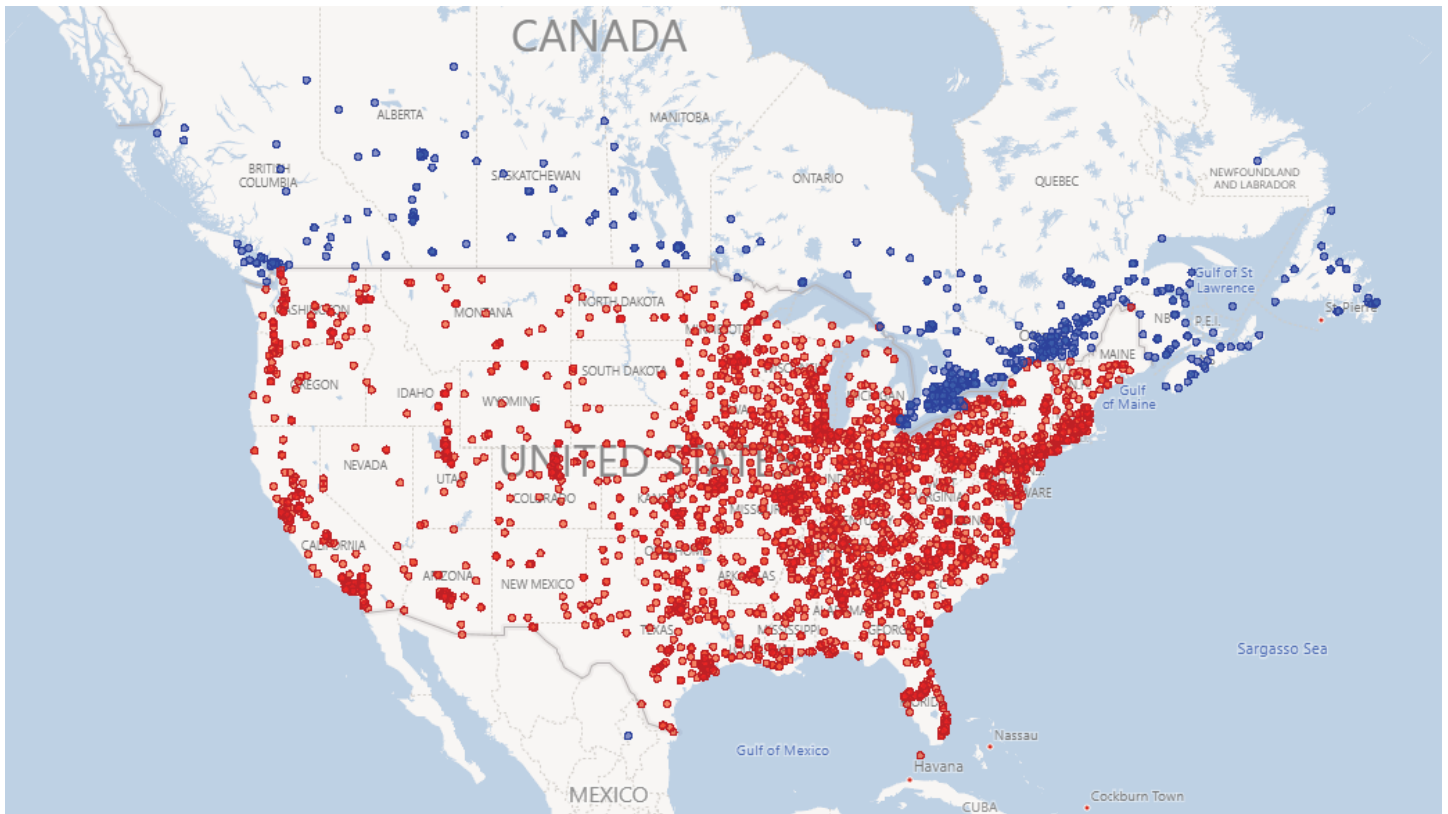
Dispensing Services

Optical dispensing by a professional is critical to any safety eyewear program. Measuring the correct fit and adjusting for safe usage ensures the eyewear is appropriate for the industrial application. It should not be left to an algorithm.

We want to make sure that each pair of glasses is properly measured and fitted for your individual employees. We provide off-site dispensing services through our vast network of more than 800 Eye Care Professionals (ECPs) across Canada.

Simplified, Competitive Pricing

Choose from one of our simplified pricing packages and we can also tailor to fit your company's requirements. With SafeVision's safety program administration services there are no hidden fees.



SafeVision's network of Eye Care Professionals (ECPs)

LENS OPTIONS

SafeVision designs utilize Hoya's free-form backside surfacing technology to optimize lenses for all prescriptions. This also allows for a wide range of materials and colors to offer the greatest selection of lens options for safety eyewear requirements.

SafeVision 1 Basic No-Line Performance

Design Features:

- Enable your eyes to make smooth, gradual movements when you change your focus from near to intermediate to far vision
- Unlike bifocal lenses, SafeVision 1 lenses eliminate the line that creates an abrupt, annoying vision change from near to far vision

Available Designs:

- 19mm fitting height
- 14mm fitting height

SafeVision 2 Enhanced No-Line Performance

Increased visual acuity for distance, intermediate & close range

Design Features:

- Customized for your prescription
- Vivid and sharp viewing ranges
- Wide, stable and natural vision
- Fluid transition between near and distance viewing

Available Designs:

- Standard: Variable corridor length based on seg. height specified by optician
- Wrap: Variable corridor length based on seg. height specified by optician

SafeVision 3 Maximum No-Line Performance

The very best vision for distance, intermediate & close range

Design Features:

- Customized for your prescription
- Noticeably sharper viewing zones
- Clearer peripheral vision with wide, stable and natural vision at all distances
- Superior ergonomics creating natural, comfortable viewing and head movement

Available Designs:

- Standard: Variable corridor length based on seg. height specified by optician
- Wrap: Variable corridor length based on seg. height specified by optician



- Hoya's **Binocular Harmonization Technology** -

This patented technology takes into account the difference between the right and left eye as individual components to calculate the optimal lens design to ensure your eyes work perfectly together.

Ergonomic Workstation Design

For computer users & employees who engage in visually-intense work

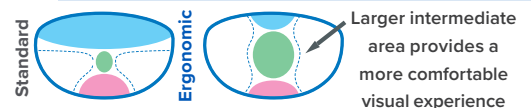
Design Features:

- Relieve eye strain and health problems related to Digital Eye Strain
- Delivers exceptionally wide intermediate and near viewing zones with a minimum distance field of view

We highly recommend adding our blue light filtering treatment, Rechargesm

Available Designs: 18mm fitting height

- EWD40: 40% of near Rx at the fitting point
- EWD60: 60% of near Rx at the fitting point



Single Vision

Lined **Bifocal**

Lined **Trifocal**

LENS MATERIALS

Phoenix is a superior material that is tough enough to withstand virtually anything your employees and workplace can dish out.

Phoenix

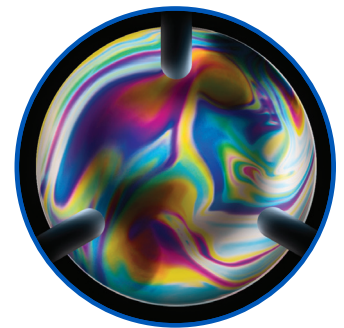
Material Features:

- High Impact resistance rating per ANSI Z87.1
- 60 times more impact resistant than standard plastic
- Twice as scratch resistant as polycarbonate
- Provides 100% UVA and UVB protection
- Temperature resistant
- The lightest lens material available today
- Tough against harsh chemicals and solvents which typically crack polycarbonate lenses
- Higher Abbe value of 43 vs. 30 for polycarbonate, which means less colour distortion in the periphery of the lens

Lens comparison as viewed through an illuminated polarized filter

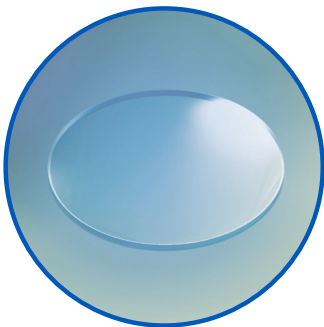


Phoenix



Polycarbonate

Phoenix withstands the impact from a 1/4" diameter steel ball traveling at over 100 mph



Phoenix



Other Lenses

Chemical Resistant: Harsh chemicals like ammonia, acetone and ethyl alcohols are known to attack polycarbonate lenses and cause cracking. The cracking and/or fogging typically emanates from the edge of the polycarbonate lens and can occur rapidly. Cracked lenses are a hazard because they do not have their original impact strength. They are not compliant to CSA or ANSI standard. Employees should be encouraged to report and replace eyewear with cracked lenses immediately. That is why we highly recommend Phoenix lenses over polycarbonate.

Polycarbonate

Polycarbonate lenses are thinner and lighter than regular plastic lenses.

Material Features:

- Impact Resistant
- Light
- UV Protection

SafeVision lenses can be made with various treatments to enhance the protection of workers from the hazards of blue light, glare and varying light conditions.

TREATMENTS

RECHARGE

Recharge is a premium anti-reflective treatment with the added benefit of blue light filtration. Blue light is emitted by back-lit digital screens and is linked with eye fatigue.



SUPER HiVISION

EX3

Using Super Premium Anti-Reflective (AR) technologies, Hoya has created the most extreme AR product available on the market which outperforms glass.



HiVISION

An oleophobic treatment with added scratch resistance on both the front and back of the lens.



ANTI-REFLECTION with ANTI-FOG

Anti-reflective front side with an anti-fog back side.



Anti-Fog treatments works well with any frame style, but it is particularly effective at reducing the possibility of fogging with frames that feature close fitting or sealed design.

Some examples include:

CLEAR AWAY EASY CLEAN with ANTI-FOG

Oleophobic front side with an anti-fog back side.



ZT100



ZT200

ANTI-FOG

Anti-fog front and back side



Eagle



ZT25 Sealed

CLEAR AWAY EASY CLEAN

Oleophobic front and back side



ZT35 Sealed



ZT45 Sealed

CLARITY SHIELD

Anti-scratch front and back side



ZT400 Sealed



ZT500G



Maxim Air Seal Rx

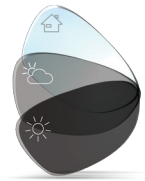
SUNGLASSES

Glare is everywhere. It is reflected from the water, snow, even roads and buildings. Driving can be even more hazardous as glare creates blinding light – limiting visibility and causing serious eye strain. SafeVision offers a wide variety of sunlasses to address these conditions and combat harmful UV light exposure.

Variable Tint Indoor-Outdoor Technology

Features:

- Light reactive lenses that are clear indoors and darken outdoors
- Excellent contrast and glare reduction with deep, natural colours
- Exceptional optical quality and durability
- Available in GREY and BROWN



Polarized

Features:

- Customized for your prescription
- 100% UVA and UVB protection and 99% reduction in blinding glare
- Provide the clearest and sharpest vision in bright daylight and high glare conditions
- Available in GREY and BROWN



Tinted

Features:

- Clarity and crispness of colour are unbeatable
- BROWN: adds contrast, allows more visible light (driving, outdoor occupations, golf, skiing, boating and overcast days)
- GREY: a neutral colour that provides truer colour perception than other sunlens colours (water, boating, full sunlight conditions, a general purpose colour)



FRAMES



At SafeVision we design and source our own Pentax safety frames. That means consistent inventory which helps ensure your workers get their prescription eyewear faster and spend less time without their eye protection.

Choose from more than 45 styles. See our frame guide for the full assortment and further details.

ZT200

- Soft-touch temple tips for comfortable long term wear
- Soft-touch adjustable nose pads for comfortable wear as well as optical & fit corrections
- Replaceable foam brow guard for protection from falling dust & debris
- Hi-visibility reflective temples for added safety at dusk or dark
- Clear or tinted lens carrier for bright peripheral vision or reflection reduction
- Removable lens carrier to change from clear to sunglass lenses easily



D490

- Classic unisex styling
- Spring Hinge for long term wearing comfort
- Adjustable temple tips to keep the frame secure on workers head



ZT100

- Industrial look with function
- Added face wrap for closer fit
- Adjustable nose pads for optics and comfort fit
- Adjustable temple length for fit and comfort
- Swivel temple tips
 - Normal skull light duty
 - Wrap around the ear for rugged jobs
- Permanently attached sideshields to meet plant requirements
- Metal mesh venting SS for fog reduction
- Three sizes to best fit the widest range of workers



ZT35

- Soft-touch temple tips and nose pads for comfortable long term wear
- Removable skirt seal to protect from dust & debris
 - Best protection from dust and debris in our offering
- Removable temples for the attachment of a head strap to provide tight seal in tough working conditions



ZT45-6 & ZT45-8

- Stylish sunglass-like wrap design for work, sports and outdoor recreation
- Soft-touch temple tips and nose pads for comfortable long term wear
- 6 base and 8 base versions available for a wide range of Rx and wide customer base
- Replaceable cell foam seal
 - Excellent protection from dust and debris



Classic 3

- Patterned after popular dresswear frames
- Spring Hinge for long term wearing comfort
- Deep B dimension for all PAL designs



ZT25-6 & ZT25-8

- Stylish sunglass-like wrap design for work, sports and outdoor recreation
- 6 base and 8 base versions available for a wide range of Rx and wide customer base
- Hi-visibility reflective temples for added safety at dusk or dark
- Closed cell foam seal around eye orbit for protection from dust and debris



Rebel

- Stainless steel construction
 - Lower risk of skin reactions
 - Lighter weight and more durable than Nickel-Silver
- Adjustable nose pads and temple tips to get the best fit for optics and gaps
- Spring Hinge for comfortable long term wear
- SteelShield metal mesh sideshields available in matching colors



DP620

- Stainless steel construction
 - Lower risk of skin reactions
 - Lighter weight and more durable than Nickel-Silver
- Adjustable nose pads and temple tips to get the best fit for optics and gaps
- Spring Hinge for comfortable long term wear



Urban 6

- Stainless steel construction
 - Lower risk of skin reactions
 - Lighter weight and more durable than Nickel-Silver
- Adjustable nose pads and temple tips to get the best fit for optics and gaps
- Spring Hinge for comfortable long term wear



ZT400 - NEW

- New shield-like styling
- Soft-touch temple tips for comfortable long term wear
- Soft-touch adjustable nose pads for comfortable wear as well as optical & fit corrections
- Clear or tinted lens carrier for bright peripheral vision or reflection reduction
- Headstrap for secure fit in rugged conditions
- Four colours for wide selection



ZT500 / ZT500G - NEW

- Goggle convertible eyewear
- Soft-touch temple tips for comfortable long term wear
- Soft-touch adjustable nose pads for comfortable wear as well as optical & fit corrections
- Clear or tinted lens carrier for bright peripheral vision or reflection reduction
- Headstrap for secure fit in rugged conditions
- Indirect venting helps to keep fogging down
- Anti-Fog treatments available for humid environments



Safety Prescription Eyewear Warranties - Policies

SafeVision by Hoya (Industrial Accounts)

PRESCRIPTION POLICY

SafeVision urges employees to visit their Eye Care Professional annually to ensure their prescription is accurate and their eyes are healthy. As part of our focus on the health and safety of the workforce, we recommend annual checkups, but requires that all eyewear prescriptions be less than two years old.

HAZARD ASSESSMENT POLICY

It is the responsibility of the plant owner or safety director to conduct a hazard assessment for the workplace and determine the appropriate eyewear protection required for each job. SafeVision offers a wide selection of frames, lenses and coatings for review by plant officials.

WARRANTIES

At SafeVision, we stand behind our quality and service 100%. Our goal is to consistently provide exceptional service and quality products at the best value. To meet this goal, we have structured our policies to be flexible and responsive to all your safety eyewear needs. All lens, coating and frame warranties commence at the invoice date. Coverage is listed below. All warranties are null and void in the event of improper care or abuse.

Product	Covered	Months	Product	Covered	Months
Phoenix Lenses	Defects & Scratches	24	Polycarbonate or Plastic Lenses	Mfg. Defects Only	12
HOYA Recharge	Defects & Scratches	24	HOYA ClearAway Easy Clean	Defects & Scratches	12
HOYA Super Hi-Vision EX3	Defects & Scratches	24	HOYA Clarity Shield	Defects & Scratches	12
HOYA Super Hi-Vision	Defects & Scratches	24	HOYA Anti-Fog (AF) 2 Sided Coating	Mfg. Defects Only	12
HOYA Hi-Vision	Defects & Scratches	24	HOYA ClearAway Easy Clean with Anti-Fog (AF)	Defects & Scratches	12
			HOYA Anti-Reflective (AR) with Anti-Fog (AF)	Defects & Scratches	12
			PENTAX Branded Frames	Mfg. Defects Only	12

PROGRESSIVE LENS WARRANTY

SafeVision offers a 120-day employee satisfaction guarantee. Should an employee become dissatisfied with their Hoya progressive lenses within 120 days of the invoice date, we will remake the progressive lenses one time, at no charge.

PRESCRIPTION & FRAME CHANGES

DOCTOR'S CHANGES – RX & FIT

SafeVision will replace doctor's prescription/order change, one time per order, at no charge. The change must be within 120 days of the invoice date and within the original invoice amount. More expensive replacements will be charged the price difference.

LAB REMAKES

SafeVision will replace any lab errors, if within 120 days of the invoice date and within the original invoice amount. More expensive replacements will be charged the price difference.

REPLACING LENSES (Warranty & New Prescriptions)

PLEASE BE ADVISED OF THE FOLLOWING CAUTIONS. If an ECP requests safety lenses as replacements whether for warranty or any other reason, insertion of safety lenses is considered part of the manufacturing process. As such, ECPs conducting this operation essentially become a manufacturer of safety eyewear, with the duties and responsibilities that apply. It is the responsibility of those inserting lenses in safety frames to thoroughly check the fit of the lenses into the frame groove. The frame must also be inspected for any damage or weakness from previous use.

SafeVision requires circumference dimensions when ordering just lenses. If lenses do not fit properly; the frame must be sent to the lab for tracing and lens remake. Used frames over 2 years old shall be replaced, at the employee's expense, with new frames, since the integrity and strength cannot be assured. Discontinued frames must be less than 2 years old and must be sent to the lab for tracing.

USER SUPPLIED FRAMES

SafeVision will not warrant any lab breakage of a previously used, employee supplied frame.

AWAITING REPLACEMENT EYEWEAR

Employees waiting for their replacement safety eyewear should consult their company for recommended temporary eye protection. Damaged frames or lenses should not be worn in the workplace as they can compromise the safety of the employee. Any warranty replacement claim should be made through Customer Excellence Centre. Products must be returned to Hoya for quality inspection.

TERMS AND CONDITIONS

Payment Terms: Net 30 days, date of invoice.

Prices, warranties, terms and conditions are subject to change without notice.

CUSTOMER SERVICE CENTRE - SAFETY DIVISION

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