



Featuring **PENTAX** Brand Safety Frames



## 2024 Prescription Safety Eyewear Guide

## **Corporate Programs**

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.

### **Eyewear Safety Standards**

Employers are required to ensure that their 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 Z94.3 or ANSI Z87.1 standards for Safety Prescription Eyewear. These standards specify stringent design, structural and lens retention requirements for safety eyewear.

Our prescription eyewear has been tested to and meets the requirements of both standards.

### Prescription Safety Eyewear Corporate Programs

You work hard to provide a safe, productive work environment. And making sure everyone is wearing the appropriate type of safety

eyewear while on the job is critical to that effort. But things can get complicated when it comes to employees who need prescription lenses – particularly when the workforce represents a wide range of job roles and individual eye care needs.

That's why we offer turn-key programs designed to help, by simplifying the ordering process and connecting employees to a national network of independent eye care providers. With package pricing that saves you money on a comprehensive range of frame styles, lens designs and lens treatment options, a SafeVision SRx Eyewear Program can turn a logistical challenge into a tangible benefit for your business.



# Solution SafeVision



## 2024 Prescription Safety Eyewear Guide



Key

### CSA Z94.3

These frames have been tested to and meet the current CSA Z94.3 standards.

#### Non-Conductive

These frames are non-conductive by design (no metal parts) OR they have passed a modified ASTM D149-09 test for dielectric strength and did not conduct electricity up to 1,000 volts for 60 seconds.

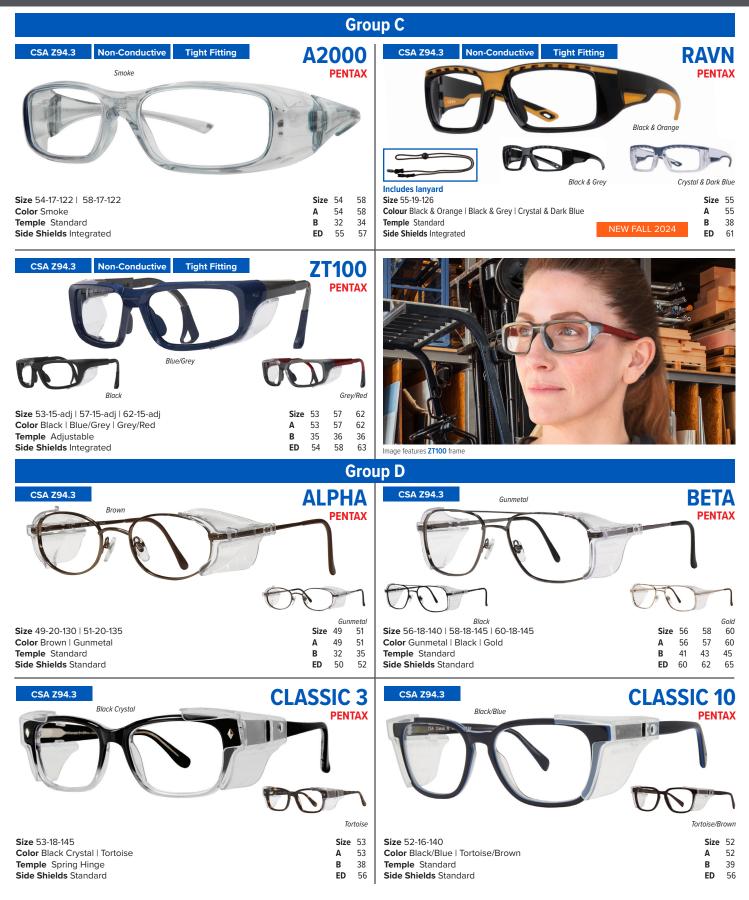
#### **Tight Fitting**

These frames are designed to wrap around the face and/or include a seal/gasket to help the frame fit closer to wearer's face.

All frames listed in this quide have also been tested to & meet the current ANSI Z87.1 standards. (Rx ready & high impact resistant)

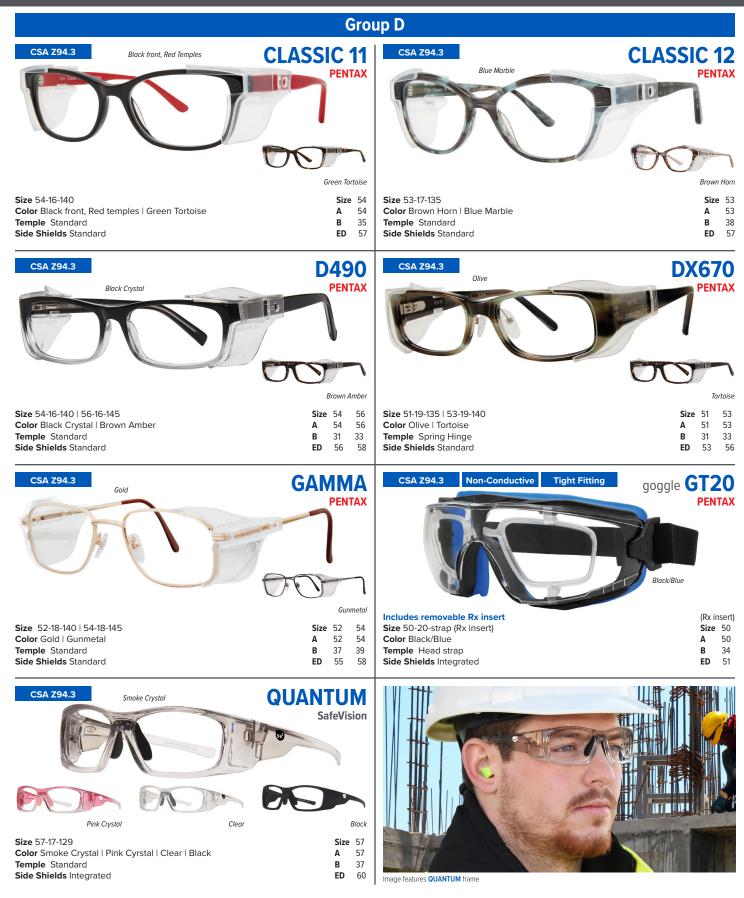






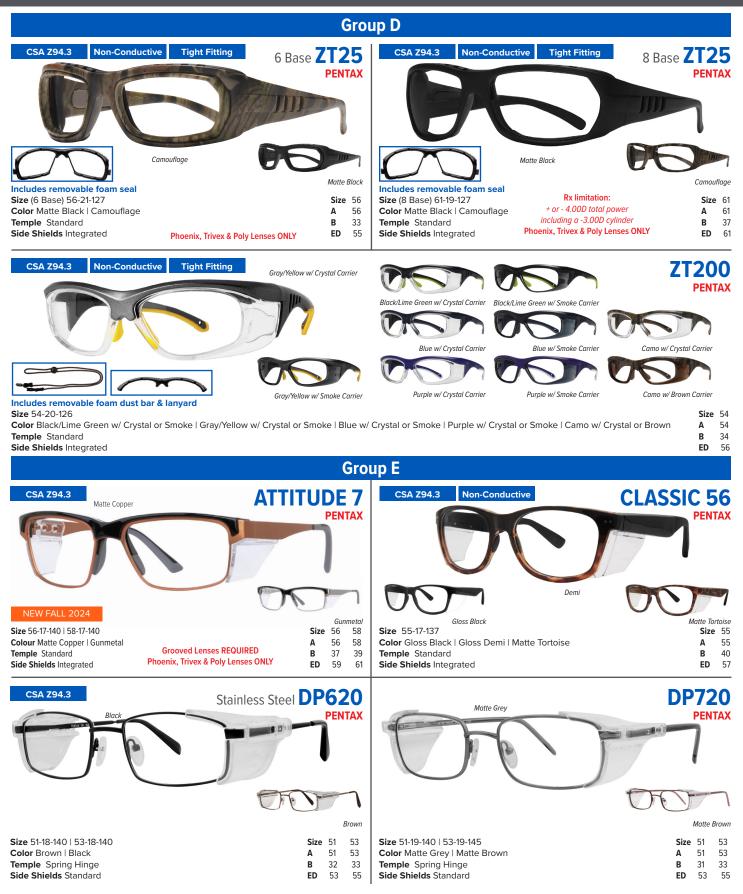
# SafeVision







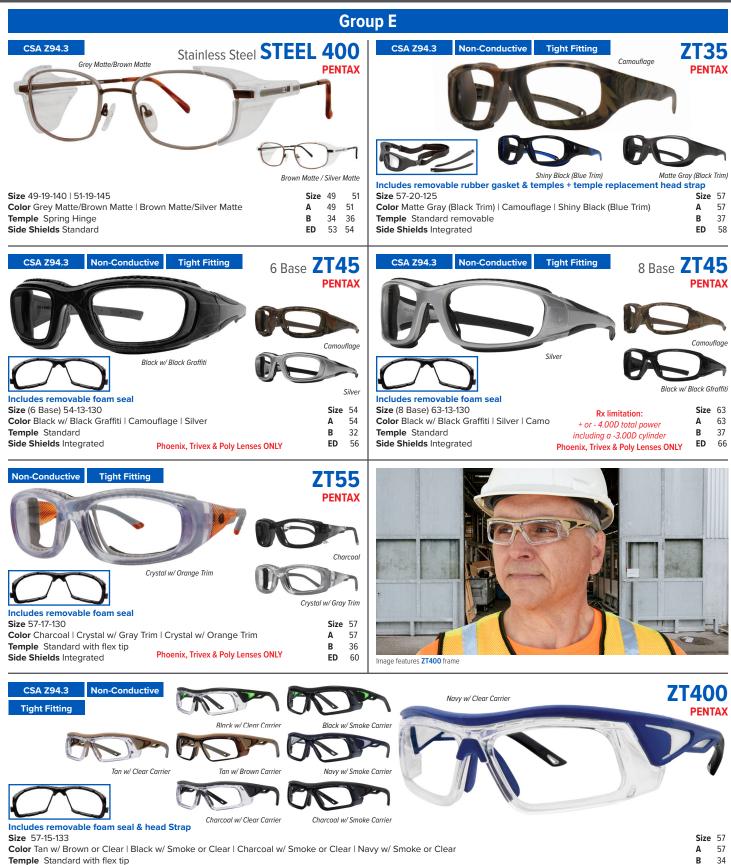
# SafeVision



# **SV** SafeVision



## 2024 Prescription Safety Eyewear Guide



Side Shields Integrated

- Phoenix, Trivex & Poly Lenses ONLY
- **B** 34 **ED** 58









## 2024 Prescription Safety Eyewear Guide

# **Side Shields**



### Standard

- Made from high-impact polycarbonate
- Available in clear or grey
- Removable or permanently attached



#### Breeze Catcher (F9800, F9900 & F6000 only)

- Wire mesh design provides ventilation & helps reduce fogging
- Oxidized, corrosion resistant wire meshFull-cup design
- Tighter-weave 40 mesh
- Permanently attached



#### Perforated Full-Cup (F9800 & F9900 only)

- Made from propionate
- Perforated design helps reduce fogging
- Permanently attached



#### Steel Shield (Rebel only)

- Made of stainless steel
- Colors to match frame
- Oxidation and corrosion resistantProvides ventilation & helps reduce
- fogging
- Removable or permanently attached

Note: Not all Side Shield options are available on every frame. Please see frame data for specific availability.

### **Phoenix Lens Material**

### Provide employees with the perfect combination of durability & visual clarity

### **Material Features:**

- High Impact resistance
- 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 color distortion in the periphery of the lens

Lens comparison as viewed through an illuminated polarized filter



Phoenix

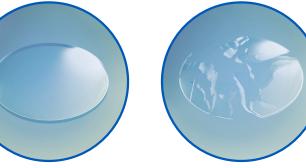


Polycarbonate

### **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 the CSA/ANSI standards. Employees should be encouraged to report and replace eyewear with cracked lenses immediately. That is why we highly recommend Phoenix lenses over polycarbonate.

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



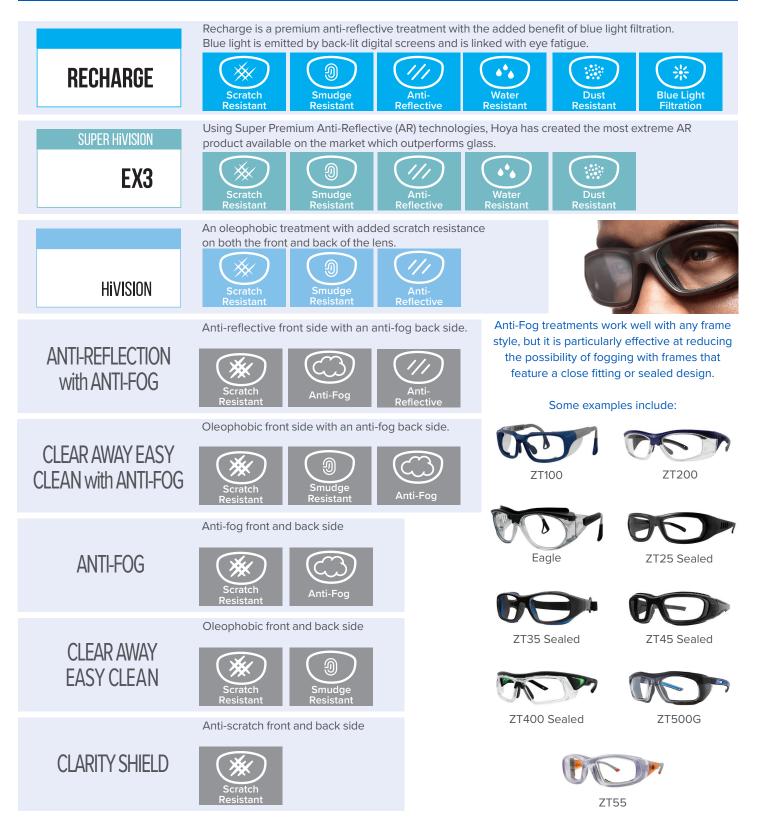
Phoenix

Other Lenses



# 2024 Prescription Safety Eyewear Guide

# **Lens Treatments**



Warranties vary between treatments and lens material. Please see our Warranties, Policy & Procedures for futher details.





## 2024 Prescription Safety Eyewear Guide

### Lens Designs

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 Progressive

#### **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:

- Large: 19mm minimum fitting height
- Standard: 14mm minimum fitting height Compare to HOYA Amplitude

# SafeVision 2 Enhanced No-Line Progressive

### 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:

Available Designs:

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

- Standard: Variable corridor length based on

- Wrap: Variable corridor length based on

seq. height specified by optician

seg. height specified by optician

Compare to HOYA Array 2

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

#### Compare to HOYA Array

# SafeVision 3 Maximum No-Line Progressive

#### 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



- 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 Compare to HOYA Tact



area provides a more comfortable visual experience

# **Single Vision**

# Lined **Bifocal**

# Larger intermediate

# Lined Trifocal



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## Sunglasses

# Variable Tint Indoor-Outdoor Technology

### Features:

- Light reactive lenses that are clear indoors and darken outdoors
- Ideal for those frequently switching from inside to outside tasks
- Available in BROWN and GREY

# Polarized

### Features:

- 100% UV protection
- Protects against blinding glare from reflective surfaces
- Available in BROWN and GREY







# Tinted

### Features:

- Reduces bright light and adds contrast
- Does not protect against glare from reflective surfaces
- Available in BROWN and GREY





# **Anti-Fog Sprays & Wipes**

Our anti-fog solution is specially formulated to outperform store-bought options and safe to use on all prescription lens coatings. Helps to keep your eyeglasses from fogging when wearing a facemask or tight-fitting eyewear.

### Anti-Fog 30ml Spray KIT

*Includes: (1) spray bottle, (1) microfiber cloth, (1) carrying pouch, (1) retail box* Can be ordered individually or in cartons of 35

### Anti-Fog 15ml Dropper Bottle

*Includes: (1) dropper bottle* Can be ordered individually or in cartons of 40

### Anti-Fog Dry Wipe 5 Pack

*Includes: (5) dry wipes, (1) retail box* Can be ordered individually or in cartons of 40

### Anti-Fog Dry Wipe 100 Bulk

*Includes: (100) dry wipes* Can only be ordered in cartons of 100



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These eye and face protection products help provide limited eye and face protection. **Misuse or failure to follow warnings and User Instructions may** result in serious injury, including blindness or death. For proper use, selection, and applications against flying particles, optical radiation and/or splash, see supervisor, written instructions or safety manager.