SafeVision

BY HOYA

PRESCRIPTION SAFETY EYEWEAR GUIDE

Featuring PENTAX Brand Safety Frames

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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.

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Group A

A2500

Size 55 19•130 | 58 20•130
Colour Black/Grey
Temple Standard
Side Shields Integrated

Size	55	58
A	55.1	58.0
B	36.1	37.2
ED	57.9	60.9

EAGLE

Size 53 13 | 56 11 | 59 13
Colour Smoke
Temple Adjustable
Side Shields Integrated

Phoenix, Trivex & Poly Lenses ONLY

Size	53	56	59
A	56.1	57.9	61.9
B	41.0	42.2	45.4
ED	56.9	58.5	62.4

Group B

F6000

Size 50 13•140 | 53 15•140 | 55 15•145
Colour Grey Fade
Temple Standard
Side Shields BrowGuard | BreezeCatcher

Size	50	53	55
A	49.7	52.3	57.1
B	44.3	45.0	50.0
ED	57.1	60.2	62.5

F9800

Size 46 20•145 | 48 20•145
Colour Smoke
Temple Standard
Side Shields BrowGuard | BreezeCatcher | Perforated Full-Cup

Size	46	48
A	45.4	48.0
B	38.6	41.0
ED	49.3	51.7

F9900

Size 50 22•145 | 52 22•145
Colour Smoke
Temple Standard
Side Shields BrowGuard | BreezeCatcher | Perforated Full-Cup

Size	50	52
A	49.7	52.0
B	42.4	45.0
ED	53.6	55.7

Image features **ZT35** frame

Key

- Tested to meet the requirements of CSA Z94.3-2020.
- These frames have passed the requirements of a modified ASTM D149-09 test for dielectric strength and did not conduct electricity up to 1,000 volts for 60 seconds.
- Designed to wrap around the face and/or seals to help the frame fit closer to wearer's face.

All frames listed in this guide have also been tested to and meet the current ANSI standard.

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Group C

A2000

Size 54 17•122 | 58 17•122
Color Smoke
Temple Standard
Side Shields Integrated

Size	54	58
A	53.5	58.1
B	32.0	34.2
ED	55.3	57.5

ZT100

Size 53 15 | 57 15 | 62 15
Colour Black | Blue/Grey | Grey/Red
Temple Adjustable
Side Shields *Clear (*Permanently Attached Only)

Size	53	57	62
A	53.5	57.3	61.9
B	35.7	35.5	36.4
ED	54.3	57.6	63.2

Group D

ALPHA

Size 49 20•130 | 51 20•135
Colour Brown | Gunmetal
Temple Standard
Side Shields BrowGuard

Size	49	51
A	49.2	51.0
B	32.5	35.0
ED	50.4	52.4

BETA

Size 56 18•140 | 58 18•145 | 60 18•145
Colour Gunmetal | Black | Gold
Temple Standard
Side Shields BrowGuard

Size	56	58	60
A	55.4	57.3	59.6
B	41.5	43.4	45.0
ED	60.0	62.5	65.0

CLASSIC 3

Size 53 18•145
Colour Black Crystal | Tortoise
Temple Spring Hinge
Side Shields BrowGuard

Size	53
A	53.0
B	38.3
ED	56.4

CLASSIC 10

Size 52 16•140
Colour Black/Blue | Tortoise/Brown
Temple Standard
Side Shields BrowGuard

Size	52
A	52.6
B	38.7
ED	56.4

CLASSIC 11

Size 54 16•140
Colour Black front, Red Temples | Green Tortoise
Temple Standard
Side Shields BrowGuard

Size	54
A	54.0
B	35.2
ED	57.3

CLASSIC 12

Size 53 17•135
Colour Brown Horn | Blue Marble
Temple Standard
Side Shields BrowGuard

Size	53
A	53.0
B	37.6
ED	56.9

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Group D

D490

Size 54 16•140 | 56 16•145
Colour Black Crystal | Brown Amber
Temple Standard
Side Shields BrowGuard

Size	54	56
A	54.3	56.4
B	30.9	33.1
ED	56.1	58.3

DX670

Size 51 19•135 | 53 19•140
Colour Olive | Tortoise
Temple Spring Hinge
Side Shields BrowGuard

Size	51	53
A	51.3	53.4
B	31.3	33.0
ED	53.2	55.7

GAMMA

Size 52 18•140 | 54 18•145
Colour Gunmetal | Gold
Temple Standard
Side Shields BrowGuard

Size	52	54
A	51.9	53.8
B	37.1	39.2
ED	55.5	58.0

goggle GT20

Size 50 20 (Rx insert)
Colour Black/Blue
Temple Headstrap
Side Shields Integrated

Size	50 (Rx insert)
A	49.9
B	33.8
ED	51.0

QUANTUM

Size 57 17•129
Colour Black | Clear | Smoke Crystal | Pink Crystal
Temple Standard
Side Shields Integrated

Size	57
A	57.1
B	37.2
ED	60.0

Image features **Rebel** frame

6 Base ZT25

Includes Removable Foam Seal

Size 56 19•130
Colour Matte Black | Camouflage
Temple Standard
Side Shields Integrated

Size	56
A	55.4
B	32.8
ED	55.3

Phoenix, Trivex & Poly Lenses ONLY

8 Base ZT25

Includes Removable Foam Seal

Size 61 19•130
Colour Matte Black | Camouflage
Temple Standard
Side Shields Integrated

Rx limitation for 8 base only: plus or minus 4.00D total power, including a -2.00D cylinder

Size	61
A	61.3
B	37.1
ED	61.2

Phoenix, Trivex & Poly Lenses ONLY

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Group D

ZT200

Includes Brow Protector & Lanyard
Size 54 20•126
Colour *Black/Lime Green | *Grey/Yellow | *Blue | *Purple | **Camouflage
Temple Standard
Side Shields Integrated

*All colors available with Crystal or Smoke lens carrier
**Camo. available with Crystal or Brown lens carrier

Size	54
A	53.7
B	34.1
ED	56.2

Group E

CLASSIC 56

Size 55 17•137
Colour Gloss Demi | Matte Tortoise | Gloss Black
Temple Standard
Side Shields BrowGuard (permanently attached)

Size	55
A	54.7
B	39.7
ED	57.3

Stainless Steel DP620

Size 51 18•140 | 53 18•140
Colour Brown | Black
Temple Spring Hinge
Side Shields BrowGuard

Size	51	53
A	50.6	52.9
B	32.2	33.1
ED	53.0	54.7

DP720

Size 51 19•140 | 53 19•145
Colour Matte Grey | Matte Brown
Temple Spring Hinge
Side Shields BrowGuard

Size	51	53
A	50.5	52.4
B	31.3	33.2
ED	52.6	54.7

Image features **ZT400** frame

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Group E

Stainless Steel STEEL 300

Size 50 19•140 | 52 19•145
Colour Shiny Grey | Shiny Brown
Temple Spring Hinge
Side Shields BrowGuard

		BrowGuard
Size	50	52
A	50.3	52.3
B	35.3	37.2
ED	52.4	55.4

Stainless Steel STEEL 400

Size 49 19•140 | 51 19•145
Colour Grey Matte/Brown Matte | Brown Matte/Matte Silver
Temple Spring Hinge
Side Shields BrowGuard

		BrowGuard
Size	49	51
A	49.4	51.3
B	34.4	36.5
ED	52.6	54.4

ZT35

Includes Removable Skirt Seal, Removable Temples & Temple Replacement Head Strap
Size 57 20•125
Colour Matte Grey (Black Trim) | Shiny Black (Blue Trim) | Camouflage
Temple Standard removable
Side Shields Integrated

Size	57
A	57.4
B	37.3
ED	58.5

6 Base ZT45

Includes Removable Foam Seal
Size 54 13•130
Colour Black w/ Black Graffiti | Silver | Camouflage
Temple Standard
Side Shields Integrated

Phoenix, Trivex & Poly Lenses ONLY

Size	54
A	53.7
B	31.9
ED	56.1

8 Base ZT45

Includes Removable Foam Seal
Size 63 13•130
Colour Black w/ Black Graffiti | Silver | Camouflage
Temple Standard
Side Shields Integrated

Rx limitation for 8 base only: plus or minus 4.00D total power, including a -2.00D cylinder

Phoenix, Trivex & Poly Lenses ONLY

Size	63
A	63.2
B	36.6
ED	65.7

ZT55

Includes Removable Foam Seal
Size 57 17•130
Colour Crystal w/ Grey Trim | Crystal w/ Orange Trim / Charcoal
Temple Standard with flex tip
Side Shields Integrated

Phoenix, Trivex & Poly Lenses ONLY

Size	57
A	56.5
B	36.4
ED	60.1

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Group E

ZT400

Includes Head Strap attached at temple tip
Size 57 15•133
Colour Black | Navy | Tan | Charcoal
Temple Standard with flex tip
Side Shields Integrated

Phoenix, Trivex & Poly Lenses ONLY

Size 57
A 56.5
B 33.6
ED 58.0

ZT500

Includes Head Strap attached at temple tip
Size 58 18•131
Colour Blue | Red
Temple Standard
Side Shields Integrated

Size 58
A 58.3
B 38.5
ED 64.4

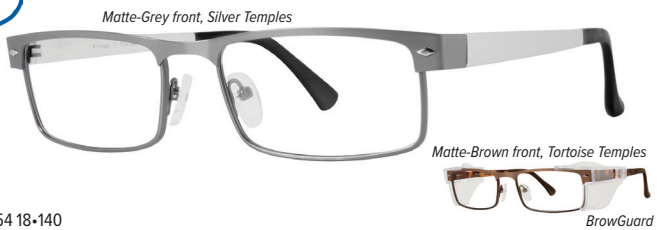
ZT500G

Includes Removable Skirt Seal & Head Strap attached at mid temple
Size 58 18•131
Colour Blue | Red
Temple Standard
Side Shields Integrated

Size 58
A 58.3
B 38.5
ED 64.4

Group F

Stainless Steel ATTITUDE 5



Size 54 18•140
Color Matte-Grey front, Silver Temples
Matte-Brown front, Tortoise Temples
Temple Spring Hinge
Side Shields ATT 5 BrowGuard

Size 54
A 53.5
B 30.0
ED 54.7

Stainless Steel REBEL

Size 56 17•135
Colour Navy Blue | Gunmetal
Temple Spring Hinge
Side Shields BrowGuard | SteelShield

Size 56
A 56.3
B 34.9
ED 58.5

URBAN 6

Size 57 16•140
Colour Black | Bronze
Temple Spring Hinge
Side Shields BrowGuard

Size 57
A 56.5
B 33.6
ED 58.0

Image features **ZT500** frame

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Side Shields

BrowGuard

- Made from high-impact polycarbonate
- Available in clear or grey
- Detachable

Perforated Full-Cup
(F9800 & F9900 only)

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

BreezeCatcher
(F9800, F9900 & F6000 only)

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

SteelShield
(Rebel only)

- Made of stainless steel
- Colors to match frame
- Oxidation and corrosion resistant
- Provides ventilation & helps reduce fogging
- Detachable

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

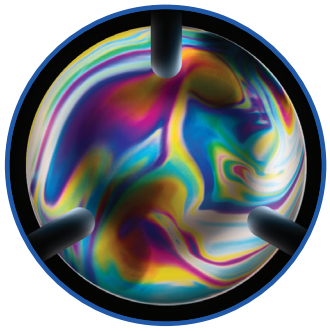
Material Features:

- 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

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.

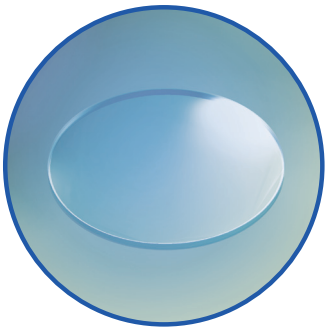
Lens comparison as viewed through an illuminated polarized filter

Phoenix

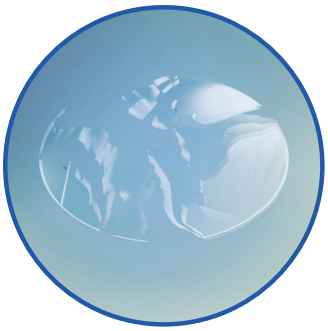


Polycarbonate

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



Phoenix



Other Lenses

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Lens 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.

- Scratch Resistant
- Smudge Resistant
- Anti-Reflective
- Water Resistant
- Dust Resistant
- Blue Light Filtration

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.

- Scratch Resistant
- Smudge Resistant
- Anti-Reflective
- Water Resistant
- Dust Resistant

HiVISION

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

- Scratch Resistant
- Smudge Resistant
- Anti-Reflective

ANTI-REFLECTION with ANTI-FOG

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

- Scratch Resistant
- Anti-Fog
- Anti-Reflective

CLEAR AWAY EASY CLEAN with ANTI-FOG

Oleophobic front side with an anti-fog back side.

- Scratch Resistant
- Smudge Resistant
- Anti-Fog

ANTI-FOG

Anti-fog front and back side

- Scratch Resistant
- Anti-Fog

CLEAR AWAY EASY CLEAN

Oleophobic front and back side

- Scratch Resistant
- Smudge Resistant

CLARITY SHIELD

Anti-scratch front and back side

- Scratch Resistant

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

Some examples include:

ZT100

ZT200

Eagle

ZT25 Sealed

ZT35 Sealed

ZT45 Sealed

ZT400 Sealed

ZT500G

Maxim Air Seal Rx

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

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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:

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

Available Designs:

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

Compare to HOYA Array 2

Ergonomic Workstation Design

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

Design Features:

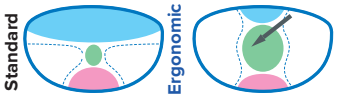
- Relieve eye strain and health problems related to Digital Eye Strain
- Delivers exceptionally wide intermediate and near viewing zones with a minimum distance field of view

We highly recommend adding our blue light filtering treatment, Recharge℠

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



Larger intermediate area provides a more comfortable visual experience

Single Vision Lined Bifocal 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 30ml Spray Bottle
Includes: (1) spray bottle
Can be ordered individually or in cartons of 60

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

21-3330 Ridgeway Drive, Mississauga, ON, L5L 5Z9 | Customer Service: EN 1.800.268.4031 | FR 1.800.361.6396 | Email: srxcustomerservice.ca@hoya.com

WARNING 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.

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Lit Code: 34228 - 10/22