

HOYA SAFETY

PRESCRIPTION EYEWEAR FRAME GUIDE



PENTAX Brand Safety Frames

The HOYA Safety Division has operated as a continuous business for over 70 years. We continue to offer dependable service, innovative products and turnkey eye protection programs. HOYA uses leading lens designs, materials and outstanding lens coatings to provide the best possible vision correction and lens performance. Consider the HOYA Safety Division as your one source for prescription eyewear protection. Please contact us to discuss how we might meet your eye protection requirements.

The frames listed in this guide have been tested to and meet the requirements of ANSI Z87.1-2010/2015.

Groups G & F

Attitude 3 | stainless steel



Size 52 18•135 54 18•140	Size 52 54
Color Burgundy/Silver	A 52.2 54.8
Moss/Dark Gunmetal	B 33.6 34.6
Temple Spring Hinge	ED 53.7 55.7
Sideshield ATT3 Brow-Guard	

PHOENIX AND POLY LENSES ONLY

GROOVED LENSES REQUIRED

G

Attitude 4 | stainless steel



Size 53 18•135	Size 53
Color Black/Silver Blue/Silver	A 53.1
Temple Spring Hinge	B 32.8
Sideshield ATT4 Brow-Guard	ED 54.3

PHOENIX AND POLY LENSES ONLY

GROOVED LENSES REQUIRED

G

Hog | stainless steel



Size 55 17•125	Size 55
Color Black Brown	A 55.2
Temple Spring Hinge	B 32.4
Sideshield HOG Brow-Guard SteelShield, metal mesh	ED 54.9

F

Rebel | stainless steel



Size 56 17•135	Size 56
Color Navy Blue Gunmetal	A 56.3
Temple Spring Hinge	B 34.9
Sideshield REB Brow-Guard SteelShield, metal mesh	ED 58.5

F

TRX | stainless steel



Size 57 17•135 59 17•140	Size 57 59
Color Black Silver	A 56.9 59.3
Temple Spring Hinge	B 33.3 35.6
Sideshield TRX Brow-Guard SteelShield, metal mesh	ED 59.8 62.4

F

Hog, Rebel & TRX Sideshield options

SteelShield Features:

- Helps provide ventilation with eye protection
- SteelShield colors match the color of the Hog, Rebel, TRX and frames
- Slip on mesh SteelShields can be ordered as removable or permanently attached



Attitude 5 | stainless steel



Size 54 18•140	Size 54
Color Matte-Brown front, Tortoise Temples	A 53.5
Matte-Gray front, Silver Temples	B 30.0
Temple Spring Hinge	ED 54.7
Sideshield ATT 5 Brow-Guard	

F

Attitude 6 | stainless steel



Size 48 16•130	Size 48
Color Matte-Violet front, Pink Temples	A 47.5
Matte-Brown front, Ocean Temples	B 26.6
Temple Spring Hinge	ED 48.6
Sideshield ATT 6 Brow-Guard	

F

Urban 6



Size 57 16•140	Size 57
Color Black Bronze	A 56.9
Temple Spring Hinge	B 32.9
Sideshield URB 6 Brow-Guard	ED 60.0

F

Urban 7 | stainless steel



Size 57 16•135	Size 57
Color Gunmetal Navy	A 56.8
Temple Spring Hinge	B 34.3
Sideshield URB 7 Brow-Guard	ED 57.9

F

Urban 8 | stainless steel



Size 55 18•140	Size 55
Color Matte Black Brown	A 55.1
Temple Spring Hinge	B 32.1
Sideshield URB 8 Brow-Guard	ED 55.3

F

Key

- NC** 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.
- TF** Tight fitting Designed with face wrap and/or seals to help the frame fit closer to wearer's face.

FEATURING OUR RUGGED CAMO COLLECTION



ZT25



ZT35



ZT45



ZT200



Group E & Group D+

Steel 200 | stainless steel



Size 53 16•135 55 16•140	Size 53 55
Color Cobalt	A 53.2 55.1
Temple Spring Hinge	B 31.7 33.8
Sideshield STL200 Brow-Guard	ED 54.9 56.8

E

Classic 4 | stainless steel



Size 52 19•140 55 19•145	Size 52 55
Color Black Tortoise	A 52.0 55.0
Temple Spring Hinge	B 33.0 36.0
Sideshield CSL4 4 Brow-Guard	ED 55.2 58.2

E

DP610 | stainless steel



Size 54 18•140 56 18•145	Size 54 56
Color Gray Brown	A 54.3 56.2
Temple Spring Hinge	B 35.3 37.3
Sideshield DP610 Brow-Guard	ED 55.4 58.0

D+

DP810



Size 49 19•140 51 19•145	Size 49 51
Color Brown Olive	A 49.1 51.1
Temple Spring Hinge	B 32.6 34.4
Sideshield DP810 Brow-Guard	ED 49.1 52.4

PHOENIX AND POLY LENSES ONLY GROOVED LENSES REQUIRED

D+

Steel 800 | stainless steel



Size 54 16•130 56 16•135	Size 54 56
Color Gold Gunmetal	A 54.2 56.7
Temple Spring Hinge	B 41.5 42.8
Sideshield STL800 Brow-Guard	ED 60.8 63.2

D+

ZT45-6 | 6 Base

NC TF Foam Sealed



Size 54 13•130	Size 54
Color Black (with black graffiti)	A 53.7
Camouflage Silver	B 31.9
Temple Standard	ED 56.1

Sideshield Integrated
Foam Backing Removeable (in assorted colors)

PHOENIX AND POLY LENSES ONLY

D+

ZT400

NC TF



Size 57 15•133	Size 57
Color Black Navy Tan Charcoal	A 56.5
Temple Standard with flex tip	B 33.6
Sideshield Integrated	ED 58.0

ZT400 classified as non conductive by design.

D+

Steel 300 | stainless steel



Size 50 19•140 52 19•145	Size 50 52
Color Shiny Gray Shiny Brown	A 50.3 52.3
Temple Spring Hinge	B 35.3 37.2
Sideshield STL300 Brow-Guard	ED 52.4 55.4

E

Maxim™ air seal Rx

NC TF Air Bladder Sealed



Size 53 26•140	Size 53
Color Black	A 53.0
Sideshield Integrated	B 38.6
	ED 60.0

PHOENIX AND POLY LENSES ONLY

E

DP620 | stainless steel



Size 51 18•140 53 18•140	Size 51 53
Color Black Brown	A 50.6 52.9
Temple Spring Hinge	B 32.7 33.1
Sideshield DP620 Brow-Guard	ED 53.0 54.7

D+

DP820



Size 52 19•140 54 19•145	Size 52 54
Color Brown Gunmetal	A 51.8 54.0
Temple Spring Hinge	B 32.7 34.8
Sideshield DP820 Brow-Guard	ED 51.8 54.1

PHOENIX AND POLY LENSES ONLY GROOVED LENSES REQUIRED

D+

ZT35

NC TF Goggle Sealed



Size 57 20•125	Size 57
Color Matte Gray (Black Trim)	A 57.4
Shiny Black (Blue Trim) Camouflage	B 37.3
Temple Standard removable, head strap provided	ED 58.5

Sideshield Integrated

D+

PHOENIX, POLY AND PLASTIC LENSES ONLY



SOLD WITH REMOVABLE
TEMPLES AND HEAD STRAP.

ZT45-8 | 8 Base

NC TF Foam Sealed



Size 63 13•130	Size 63
Color Black (with black graffiti)	A 63.2
Camouflage Silver	B 36.6
Temple Standard	ED 65.7

Sideshield Integrated
Foam Backing Removeable (in assorted colors)

PHOENIX AND POLY LENSES ONLY

D+

ZT55

NC TF Foam Sealed



Size 57 17•130	Size 57
Color Crystal with gray trim	A 56.5
Crystal with orange trim	B 36.4
Charcoal	ED 60.1

Temple Standard with flex tip
Sideshield Integrated

PHOENIX AND POLY LENSES ONLY

D+



Group D

EC550



Size 54 18•140 56 18•145	Size 54 56
Color Gunmetal	A 55.1 57.8
Temple Spring Hinge	B 44.4 47.0
Sideshield EC/EX550 Brow-Guard	ED 61.6 64.3

Beta



Size 56 18•140 58 18•145 60 18•145	Size ABED
Color Black Gold Gunmetal	
Temple Standard	
Sideshield Beta Brow-Guard	

DX670



Size 51 19•135 53 19•140	Size 51 53
Color Olive Tortoise	A 51.3 53.4
Temple Spring Hinge	B 31.3 33.0
Sideshield DX670 Brow-Guard	ED 53.2 55.7

V1000 | 6 Base



Size 52 18•130	Size 52
Color Jet Wine Fade	A 51.3
Temple Standard	B 30.4
Sideshield Integrated	ED 51.2

PHOENIX AND POLY LENSES ONLY

ZT25-6 | 6 Base



Foam Sealed



Size 6 Base 56 19•130	Size 56
Color Matte Black Camouflage	A 55.4
Temple Standard	B 32.8
Sideshield Integrated	ED 55.3

PHOENIX AND POLY LENSES ONLY

EX550



Size 54 18•140 56 18•145	Size 54 56
Color Gunmetal	A 55.1 57.8
Temple Spring Hinge	B 44.3 47.0
Sideshield EC/EX550 Brow-Guard	ED 61.6 64.3

Gamma



Size 52 18•140 54 18•145	Size 52 54
Color Gold Gunmetal	A 51.9 53.8
Temple Standard	B 37.1 39.2
Sideshield Gamma Brow-Guard	ED 55.5 58.0

D490



Size 54 16•140 56 16•145	Size 54 56
Color Black Crystal Brown Amber	A 54.3 56.4
Temple Standard	B 30.9 33.1
Sideshield D490 Brow-Guard	ED 56.1 58.3

V1000 | 8 Base



Size 8 Base 61 16•130	Size 61	Rx limitation for 8 base only: plus or minus 4.00D total power, including a -2.00D cylinder
Color Jet Wine Fade	A 60.4	
Temple Standard	B 34.2	
Sideshield Integrated	ED 59.6	

PHOENIX AND POLY LENSES ONLY

ZT25-8 | 8 Base



Foam Sealed



Size 8 Base 61 19•130	Size 61	Rx limitation for 8 base only: plus or minus 4.00D total power, including a -2.00D cylinder
Color Matte Black Camouflage	A 61.3	
Temple Standard	B 37.1	
Sideshield Integrated	ED 61.2	

PHOENIX AND POLY LENSES ONLY

Alpha



Size 49 20•130 51 20•135	Size 49 51
Color Brown Gunmetal	A 49.2 51.0
Temple Standard	B 32.5 35.0
Sideshield Alpha Brow-Guard	ED 50.4 52.4

650



Size 48 16•140 50 16•145	Size 48 50
Color Brown Marble Gray Marble	A 47.1 49.5
Temple Spring Hinge	B 29.8 31.5
Sideshield 650 Brow-Guard	ED 47.3 50.1

Classic 3



Size 53 18•145	Size 53
Color Black Crystal Tortoise	A 53.0
Temple Spring Hinge	B 38.3
Sideshield CLS3 Brow-Guard	ED 56.4

ZT200



Size 54 20•126	Size 54
Color Black/Lime Green Gray/Yellow Navy Blue/Gray Purple/White Camouflage	A 53.7
Temple Standard	B 34.1
Sideshield Integrated	ED 56.2



NOW AVAILABLE IN CAMOUFLAGE

Groups B/C, A and Base

ZT100



Size 53 15 57 15 62 15	Size 53 57 62
Color Black Blue/Gray Gray/Red	A 53.5 57.3 61.9
Temple Adjustable	B 35.7 35.5 36.4
Sideshield Clear Metal Mesh Permanently Attached Only	ED 54.3 57.6 63.2

B/C

F6000



Size 50 13•140 53 15•140 55 15•145	Size 50 53 55
Color Gray Fade	A 49.7 52.3 57.1
Temple Standard Cable 170mm	B 44.3 45.0 50.0
Sideshield F6000 Brow-Guard	ED 57.1 60.2 62.5

A

A2000



Size 54 17•122 58 17•122	Size 54 58
Color Smoke	A 53.5 58.1
Temple Standard	B 32.0 34.2
Sideshield Integrated	ED 55.3 57.5

A

Eagle



Size 53 13 56 11 59 13	Size 53 56 59
Color Smoke	A 56.1 57.9 61.9
Temple Adjustable	B 41.0 42.2 45.4
Sideshield Integrated	ED 56.9 58.5 62.4

A2500



Size 55 19•130 58 20•130	Size 55 58
Color Black/Gray	A 55.1 58.0
Temple Standard	B 36.1 37.2
Sideshield Integrated	ED 57.9 60.9

A

Flip Up

Eagle Flip-up available with IR Shade 3.0 and 5.0



A



F9800



Size 46 20•145 | 48 20•145
Color Smoke
Temple Standard | Cable 170mm
Sideshield F98/99 Brow-Guard
Breeze-Catcher
Full-Cup Perforated

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

Base

F9900



Size 50 22•145 | 52 22•145
Color Smoke
Temple Standard | Cable 170mm
Sideshield F98/99 Brow-Guard
Breeze-Catcher
Full-Cup Perforated

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

Base

Additional Sideshields

Note – not all Sideshield options are available on every frame. See frame data for specific availability.



Brow-Guard

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



Breeze Catcher

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



Perforated Full-Cup

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



Metal Mesh (ZT100 only)

- Made from high-impact polycarbonate and stainless steel
- Oxidation and corrosion resistant
- Provides ventilation and helps reduce fogging
- Permanently attached



SteelShield (TRX, Rebel and Hog only)

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

FOR YOUR EMPLOYEES WITH LARGER FACES PLEASE CONSIDER THE FOLLOWING FRAMES



ZT100
62 eyesize



Eagle
59 eyesize



ZT55
57 eyesize
with a flexible
bridge and
temples



Beta
60 eyesize



TRX
59 eyesize



F6000
55 eyesize
with wider
temples

HOYA

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<https://www.hoyavision.com/en-us/what-i-need/learn-about-hoya/safety-eyewear/>

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These safety eyewear products help provide limited eye 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.