

PRESCRIPTION SAFETY FRAME GUIDE

PENTAX Brand Safety Frames

Our Safety Division has operated as a continuous business for over 70 years. We continue to offer dependable service, innovative products and consistent product supply. Our PENTAX branded safety prescription frames are the same quality, innovation, function and fit as always. We hope you consider us as your complete source for safety prescription frames. Please feel free to contact us for more information.

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

TIGHT FITTING / NON-CONDUCTIVE FRAMES

Maxim™ air seal Rx

NC TF Air Bladder Sealed

Size 53 26•140
Color Black
Sideshield Integrated



Size 53
A 53.0
B 38.6
ED 60.0

PHOENIX AND POLY LENSES ONLY

ZT25 | 6 Base

NC TF Foam Sealed

Size 6 Base 56 19•130
Color Matte Black | Camouflage
Temple Standard
Sideshield Integrated



Size 56
A 55.4
B 32.8
ED 55.3

PHOENIX AND POLY LENSES ONLY

ZT25 | 8 Base

NC TF Foam Sealed

Size 8 Base 61 19•130
Color Matte Black | Camouflage
Temple Standard
Sideshield Integrated



Size 61
A 61.3
B 37.1
ED 61.2

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

PHOENIX AND POLY LENSES ONLY

ZT35

NC TF Goggle Sealed

Size 57 20•125
Color Matte Gray (Black Trim) | Shiny Black (Blue Trim) | Camouflage
Temple Standard removable, head strap provided
Sideshield Integrated



Size 57
A 57.4
B 37.3
ED 58.5

PHOENIX, POLY AND PLASTIC LENSES ONLY



SOLD WITH REMOVABLE TEMPLES AND HEAD STRAP.

ZT45-6 | 6 Base

NC TF Foam Sealed

Size 54 13•130
Color Black (with black graffiti) Camouflage | Silver
Temple Standard
Sideshield Integrated
Foam Backing. Removeable (in assorted colors)



Size 54
A 53.7
B 31.9
ED 56.1

PHOENIX AND POLY LENSES ONLY

ZT45-8 | 8 Base

NC TF Foam Sealed

Size 63 13•130
Color Black (with black graffiti) Camouflage | Silver
Temple Standard
Sideshield Integrated
Foam Backing. Removeable (in assorted colors)



Size 63
A 63.2
B 36.6
ED 65.7

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

PHOENIX AND POLY LENSES ONLY

ZT55

NC TF Foam Sealed

Size 57 17•130
Color Crystal with gray trim Crystal with orange trim Charcoal
Temple Standard with flex tip
Sideshield Integrated



Size 57
A 56.5
B 36.4
ED 60.1

PHOENIX AND POLY LENSES ONLY

ZT400

NC TF

Size 57 15•133
Color Black | Navy | Tan | Charcoal
Temple Standard with flex tip
Sideshield Integrated
ZT400 classified as non conductive by design.



Size 57
A 56.5
B 33.6
ED 58.0

ZT200

NC TF

Size 54 20•126
Color Black/Lime Green | Gray/Yellow | Navy | Blue/Gray Purple/White | Camouflage
Temple Standard
Sideshield Integrated

Size 54
A 53.7
B 34.1
ED 56.2



V1000 | 6 Base

NC TF

Size 52 18•130
Color Jet | Wine Fade
Temple Standard
Sideshield Integrated



Size 52
A 51.3
B 30.4
ED 51.2

PHOENIX AND POLY LENSES ONLY

V1000 | 8 Base

NC TF

Size 8 Base 61 16•130
Color Jet | Wine Fade
Temple Standard
Sideshield Integrated



Size 61
A 60.4
B 34.2
ED 59.6

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

PHOENIX AND POLY LENSES ONLY



NOW AVAILABLE IN CAMOUFLAGE



ZT100

NC TF

Size 53 15 | 57 15 | 62 15
Color Black | Blue/Gray | Gray/Red
Temple Adjustable
Sideshield Clear | Metal Mesh | 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

A2000

NC TF

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



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

A2500

NC TF

Size 55 19•130 | 58 20•130
Color Black/Gray
Temple Standard
Sideshield Integrated



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

Eagle

NC TF

Size 53 13 | 56 11 | 59 13
Color Smoke
Temple Adjustable
Sideshield Integrated



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

Flip Up

Eagle Flip-up available with IR Shade 3.0 and 5.0



METAL FRAMES

Alpha

Size 49 20•130 | 51 20•135
Color Brown | Gunmetal
Temple Standard
Sideshield Alpha Brow-Guard



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

Attitude 3 | stainless steel

Size 52 18•135 | 54 18•140
Color Burgundy/Silver
Moss/Dark Gunmetal
Temple Spring Hinge
Sideshield ATT3 Brow-Guard



Size	52	54
A	52.2	54.8
B	33.6	34.6
ED	53.7	55.7

POLYCARBONATE LENSES ONLY

GROOVED LENSES REQUIRED

Attitude 4 | stainless steel

Size 53 18•135
Color Black/Silver | Blue/Silver
Temple Spring Hinge
Sideshield ATT4 Brow-Guard



Size	53
A	53.1
B	32.8
ED	54.3

POLYCARBONATE LENSES ONLY

GROOVED LENSES REQUIRED

Attitude 5 | stainless steel

Size 54 18•140
Color Matte-Brown front, Tortoise Temples
Matte-Gray front, Silver Temples
Temple Spring Hinge
Sideshield ATT 5 Brow-Guard



Size	54
A	53.5
B	30.0
ED	54.7

Attitude 6 | stainless steel

Size 48 16•130
Color Matte-Violet front, Pink Temples
Matte-Brown front, Ocean Temples
Temple Spring Hinge
Sideshield ATT 6 Brow-Guard



Size	48
A	47.5
B	26.6
ED	48.6

Beta

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



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 1 | stainless steel

Size 50 15•130 | 52 15•135
Color Brown | Silver
Temple Spring Hinge
Sideshield CLS1 Brow-Guard



Size	50	52
A	50.7	52.7
B	33.2	35.3
ED	54.5	56.6

Classic 4 | stainless steel

Size 52 19•140 | 55 19•145
Color Black | Tortoise
Temple Spring Hinge
Sideshield CSL4 4 Brow-Guard



Size	52	55
A	52.0	55.0
B	33.0	36.0
ED	55.2	58.2

GROOVED LENSES REQUIRED

DP600 | stainless steel

Size 52 18•140 | 54 18•140
Color Silver | Brown
Temple Spring Hinge
Sideshield DP600 Brow-Guard



Size	52	54
A	52.1	54.4
B	31.7	33.2
ED	54.0	56.3

DP610 | stainless steel

Size 54 18•140 | 56 18•145
Color Gray | Brown
Temple Spring Hinge
Sideshield DP610 Brow-Guard



Size	54	56
A	54.3	56.2
B	35.3	37.3
ED	55.4	58.0

DP620 | stainless steel

Size 51 18•140 | 53 18•140
Color Black | Brown
Temple Spring Hinge
Sideshield DP620 Brow-Guard



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

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.



DP720



Size 51 19•140 53 19•145	Size 51 53
Color Matte Brown Matte Grey	A 50.5 52.4
Temple Spring Hinge	B 31.3 33.2
Sideshield DP720 Brow-Guard	ED 52.6 54.7

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

POLYCARBONATE LENSES ONLY

GROOVED LENSES REQUIRED

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

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

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

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

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

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

Steel 400 | stainless steel



Size 49 19•140 51 19•145	Size 49 51
Color Gray Matte/Brown Matte	A 49.4 51.3
Brown Matte/Matte Silver	B 34.4 36.5
Temple Spring Hinge	ED 52.6 54.4
Sideshield STL400 Brow-Guard	

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

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

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

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

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

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



CLASSIC STYLE PLASTIC FRAMES

650



Size 48 16•140 | 50 16•145
Color Brown Marble | Gray
Marble
Temple Spring Hinge
Sideshield 650 Brow-Guard

Size 48 50
A 47.1 49.5
B 29.8 31.5
ED 47.3 50.1

Classic 3



Size 53 18•145
Color Black Crystal | Tortoise
Temple Spring Hinge
Sideshield CLS3 Brow-Guard

Size 53
A 53.0
B 38.3
ED 56.4

D490



Size 54 16•140 | 56 16•145
Color Black Crystal | Brown Amber
Temple Standard
Sideshield D490 Brow-Guard

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
Color Olive | Tortoise
Temple Spring Hinge
Sideshield DX670 Brow-Guard

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

F6000



Size 50 13•140 | 53 15•140 |
55 15•145
Color Gray Fade
Temple Standard |
Cable 170mm
Sideshield F6000 Brow-Guard

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
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

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

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

HOYA

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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.