

2025

PROTECH

MEDICAL



Leaded Eyewear Catalog

Made in the USA since 1994

02

Protech Medical is one of the largest US-based leaded eyewear manufacturers in the world. Our licensed opticians handcraft each frame, which are meticulously assembled and inspected with care. Experience expert craftsmanship with our leaded glasses, goggles, fitovers, faceshields, and prescription eyewear available in a variety of affordable and brand name options.



EYEWEAR

Handcrafted eyewear made by
licensed opticians

Leaded eyewear are intended to be worn by persons who are present in the operating room during medical procedures requiring the use of fluoroscopy. With the increase in occurrences of early onset cataracts and other x-ray induced complications, lead glasses are a staple in fluoroscopic procedures. To accommodate the varying needs of medical personnel, Protech offers several frame styles and brands such as:



Ray-Ban



OAKLEY



COSTA



WILEY X



ABACO
POLARIZED

WHY USE LEADED EYEWEAR?

The lens of the eye is one of the most radiosensitive tissues in the body, and exposure of the lens to ionizing radiation can cause cataract. One study showed the exposures to the lenses to be higher than any other tissue of the head and neck when left unprotected. [1] In addition, many studies have suggested that based on epidemiological evidence, cataracts may occur following exposure to lower doses of ionizing radiation than previously believed. [2][3]

A 2015 study concluded that any lens exposure may have associated cataract risk and suggested that interventional radiology work increases probability of cataract development [4]. Employing protective measures such as leaded glasses, patient-supported protective blankets, and suspended ceiling shields have shown to reduce lens doses. In fluoroscopy settings, leaded glasses have been shown to reduce lens doses by a factor of about 2 to 3 (or higher) [5].

[1] Geber, T., Gunnarsson, M. and Mattsson, S. (2011) *Eye Lens Dosimetry for Interventional Procedures—Relation between the Absorbed Dose to the Lens and Dose at Measurement Positions*. *Radiation Measurements*, 46, 1248-1251.

[2] Kleiman, N., Cabrera, M., Duran, G., Ramirez, R., Duran, A. and Vano, E. (2009) *Occupational Risk of Radiation Cataract in Interventional Cardiology*. *Investigative Ophthalmology & Visual Science*, 49, 4553.

[3] Chodick, G., Bekiroglu, N., Hauptmann, M., et al. (2008) *Risk of Cataract after Exposure to Low Doses of Ionizing Radiation: A 20-Year Prospective Cohort Study among US Radiologic Technologists*. *American Journal of Epidemiology*, 168, 620-631.

[4] Seals, K.F., Lee, E.W., Cagnon, C.H., Al-Hakim, R.A. and Kee, S.T. (2016) *Radiation-Induced Cataractogenesis: A Critical Literature Review for the Interventional Radiologist*. *CardioVascular and Interventional Radiology*, 39, 151-160.

[5] Dauer, L.T., Hamada, N. and Blakely, E.A. (2017) *National Council on Radiation Protection and Measurements Commentary Number 26: Impact of Revised Guidance on Radiation Protection for the Lens of the Eye*. *Journal of the American College of Radiology*, 14, 980-982

ANNUAL DOSE LIMITS

In 2012, the International Commission on Radiological Protection (ICRP) reduced the **annual occupational exposure limit from 150mSv to 20mSv averaged over 5 years, with no single year exceeding 50 mSv**. The European Union (EU) responded to the new ICRP recommendation by incorporating the new dose limits into the current European basic safety standard.



PROTECTION SUMMARY

Lead Equivalence - 0.50 or 0.75mm Pb

X-ray Tube Voltage - 50 kV - 150 kV

IEC 61331-1:2014 Regulation (EU) 2016/425

CE 2895

WHO USES PROTECTIVE EYEWEAR?

Protective eyewear is used by **~95% of physicians** and staff in the following vocations:



CARDIAC CATH



EP LABS



UROLOGY



INTERVENTIONAL
RADIOLOGY



PAIN
MANAGEMENT



ORTHOPEDIC
SURGERY



"The typical interventional cardiologist is exposed to 20 and 30 mSv each year. This level of exposure is nearly 10 times greater than the level of exposure received by the entire body."

-- US National Library of Medicine

FRAME SIZING

THE BREAKDOWN

Example frame size: Centrist (55-17-140)*

In the above frame size, the 55 corresponds to "A" (Lens size), the 17 represents "B" (Bridge Size), and 140 is the length of "C" (Temple size). *"B" Size not specified. NOTE: Not all frame sizes are representative of how a frame will fit. It is always best practice to try a frame on when possible. For instance, the Nike Brazen is a "large frame" based on its frame size, yet it fits a majority of men and women's faces.

A

EYE SIZE

Horizontally measured from outermost edges of the lens. Approx 40-62mm.

B

BRIDGE SIZE

Measurement of the distance between two lenses usually measured at the nose bridge.

C

TEMPLE SIZE

Measurement of the temple arms that extend from the front of the frame over your ears. The length of your frame's temples is important to ensure stability and comfort.

D

"B" MEASUREMENT

Measurement of the height of the lenses. *For Bifocal and Progressive lenses, a B measurement of at least 25mm is recommended.



YOUR PERFECT FRAME

WHAT TO LOOK FOR

TEMPLES

The length and curvature of your frame's temples is important to ensure stability and comfort.

TEMPLE GRIPS

Available with several eyewear styles, temple grips can provide comfort and stability for the wearer.

LEAD GLASS

Lead glass lenses provide the main protection against x-ray. The lenses greatly influence weight so it is important to balance maximizing coverage with the need for comfort.

SIDE SHIELDS

Side shields are essential for lateral protection. Some frames come standard with side shields and others are optional

NOSE BRIDGE

A well-designed nose bridge is necessary for a proper fit. Flat nose bridges enable drilling for the addition of loupes.

VENTILATED NOSE PADS

Ventilated nose pads keep the frame comfortably gripped on your face and can reduce fogging.



98 SUPERLITE



MODEL	RE-98
FRAME TYPE	Wraparound
FRONT LENS	0.75mm Pb Glass
WEIGHT	63g
FRAME SIZE	63-15-120
MATERIAL	Nylon
SIDE SHIELDS	N/A
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Brown

The 98 Superlite is an ultra light-weight frame designed for comfort. Its high curvature provides enhanced lateral/ side protection against x-ray. Rubberized temples provide a secure, comfortable fit.

Features:

- **Rubberized nose pads and temple**
- **Lightweight Nylon Frame**
- **Highly curved lenses for optimal x-ray protection**



99 ULTRALITE



MODEL	RE-99/99SM/99R
FRAME TYPE	Wraparound
FRONT LENS	0.75mm Pb Glass
WEIGHT	67g 59.5g (SM)
FRAME SIZE	61-18-140 56-17-140 (SM)
MATERIAL	Nylon
SIDE SHIELDS	0.50mm Pb Strips SS (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	64 58 (SM)
CE	Yes
COLORS	Brown (gold), Black, Blue, Silver, Fuschia

The 99 Ultralites provide a wide area of protection against x-ray. Their high curvature provide adequate lateral protection which eliminates the need for side shields. The 99 comes in 2 sizes and an optional soft rubber nose bridge for additional support and comfort (99R). (Blue only available in regular size; Fuschia available only in small size).

Features:

- **Rubberized temples for added comfort**
- **Optional rubberized nosebridge (99R)**
- **Wide field of view**



9941 ULTRALITE



MODEL	RE-9941/9941A/994153
FRAME TYPE	Wraparound
FRONT LENS	0.75mm Pb Glass
WEIGHT	64g 60g (994153)
FRAME SIZE	55-22-130 53-22-130 (994153)
MATERIAL	Nylon
SIDE SHIELDS	0.50mm Pb Strips SS (optional for regular size)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	64 58 (994153)
CE	Yes
COLORS	Silver, Black, Red, Blue, Matte Black

The 9941 Ultralites come standard with a rubberized nose bridge. They are designed to offer comfort and provide protection for the entire eye area without the need of additional lead side shields. The 9941 is a popular frame and ideal for those who have a high power prescription. Available in 2 sizes and optional adjustable nose bridge for regular sized frame (9941A).

Features:

- **Adjustable nose pads**
- **Rubberized temples for added comfort**
- **Ideal for high prescriptions**



AIRBORNE



MODEL	RE-AIRB
FRAME TYPE	Wraparound
FRONT LENS	0.75mm Pb Glass
WEIGHT	74.7g
FRAME SIZE	57-21-145
MATERIAL	Polycarbonate
SIDE SHIELDS	0.50mm Pb Strips SS (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	62
CE	Yes
COLORS	Clear/Black

The Airborne is fully loaded with an Asian fit nose bridge, removable facial cavity, and curved lenses for optimal lateral x-ray protection.

Features:

- **Removable facial cavity foam insert**
- **Rubberized Asian Fit Nose Bridge**
- **Highly curved lenses for optimal x-ray protection**



CENTRIST



MODEL	RE-CENT
FRAME TYPE	Wraparound
FRONT LENS	0.75mm Pb Glass
WEIGHT	88g
FRAME SIZE	55-17-140
MATERIAL	Nylon
SIDE SHIELDS	0.50mm Pb Strips SS (included) Extended Side Shields (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	58
CE	Yes
COLORS	Black Crystal

The Centrist is a rectangular style safety frame made from high quality nylon and has permanent extended side shields for added x-ray protection. The sleek black with clear insert frame has an adjustable nosepiece that provides comfort and a secure fit.

Features:

- **Rubberized & adjustable Asian Fit Nose Bridge**
- **Extended Side Shields**



CIRCUIT



MODEL	RE-CIRC
FRAME TYPE	Wraparound
FRONT LENS	0.75mm Pb Glass
WEIGHT	79g
FRAME SIZE	60-18-135
MATERIAL	Polycarbonate
SIDE SHIELDS	0.50mm Pb Strips SS or SSA (optional)
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Silver/Black, Red/Gray, Black/Gray

The Circuit frame features wrap-around lenses which maximize lateral protection without the use of side shields. Rubberized temples and nose pads provide excellent comfort and grip. The Circuits modern style combined with its optimized functionality ensure long lasting quality and protection.

Features:

- **Rubberized temples for grip and comfort**
- **Versatile fit for all face types**
- **Wide field of view**



MAKO



MODEL	RE-MAKO
FRAME TYPE	Wraparound
FRONT LENS	0.75mm Pb Glass
WEIGHT	69.3g
FRAME SIZE	65-15-130
MATERIAL	Polycarbonate
SIDE SHIELDS	0.50mm Pb Strips SS (included)
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Gray/Green

The Mako frame has highly curved lenses which maximize radiation protection coverage. Integrated side shields equipped with lead strip side shields provide essential lateral x-ray protection.

Features:

- **Rubberized nose pads and temples for grip and comfort**
- **Highly curved frame for optimal x-ray protection**
- **Integrated lateral side shields**



MALIBU



MODEL	RE-MALIB
FRAME TYPE	Wraparound
FRONT LENS	0.75mm Pb Glass
WEIGHT	68.1g
FRAME SIZE	54-20-155
MATERIAL	Polycarbonate
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	58
CE	Yes
COLORS	Matte Blue, Matte Black, Matte Brown, Shiny Black

The Malibu frame modernizes the classic wayfarer design and is offered in several tasteful color selections.

Features:

- **Affordable and fashion forward**



ONYX



MODEL	RE-ONYX
FRAME TYPE	Wraparound
FRONT LENS	0.75mm Pb Glass
WEIGHT	71.8g
FRAME SIZE	68-19-135
MATERIAL	Polycarbonate
SIDE SHIELDS	None
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Matte Black, Shiny White

Deep stylistic curves and wide angle lenses combine style with maximum x-ray protection. The Onyx frame features a ventilated nose bridge for better grip, increased comfort, and reduced fogging.

Features:

- **Highly curved lenses for optimal x-ray protection**
- **Rubberized, ventilated nose bridge**



RAZER



MODEL	RE-RAZER
FRAME TYPE	Wraparound
FRONT LENS	0.75mm Pb Glass
WEIGHT	62.5g
FRAME SIZE	58-17-135
MATERIAL	Polycarbonate
SIDE SHIELDS	0.50mm Pb SS (attached side shield included)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	62
CE	Yes
COLORS	Matte Green, Matte Black, Matte Gray, Matte Blue, Matte Red

The Razer blends a sleek design into a lightweight and durable frame. Its premium features such as a ventilated nose bridge, rubberized temples, and wide-angle lenses maximize comfort and protection from x-ray. The modern style and use of light-weight materials make the Razer an excellent choice for long-procedures.

Features:

- **Ventilated, rubberized nose bridge**
- **Rubberized Temples for grip and comfort**
- **Removable 0.50mm LE side shield inserts**
- **Lightweight frame**



53 WRAP



MODEL	RE-53/53A
FRAME TYPE	Classic
FRONT LENS	0.75mm Pb Glass
WEIGHT	84g
FRAME SIZE	58-16-135
MATERIAL	Nylon
SIDE SHIELDS	0.50mm Pb Glass (included) or 0.75mm Pb Glass (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	62
CE	Yes
COLORS	Matte Black, Glossy Black, Tortoise

The 53 wrap is constructed of durable nylon that exhibits superior flexibility while minimizing potential breakage. Its full saddle bridge provides maximum comfort and evenly distributes weight over the nose. Available with adjustable nose pads (53A).

Features:

- **Optional adjustable nose pads (53A)**
- **Spring Hinge Temples**
- **Built-in, glass side shields**



MODERN METAL

PHASE OUT



MODEL	RE-002
FRAME TYPE	Metals
FRONT LENS	0.75mm Pb Glass
WEIGHT	73g
FRAME SIZE	48-20-135
MATERIAL	Optical Steel
SIDE SHIELDS	0.50mm Pb Strips SS (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	58
CE	Yes
COLORS	Gold, Light Gunmetal

The ultra light-weight model 002 features a thin wire frame with optional contoured side shields. Non-slip, silicone nose pads offer easy adjustability and allow the frame to fit a wide variety of face types.

Features:

- **Optional 0.50mm LE side shields**
- **Adjustable silicone nose pads**
- **Versatile fit for all face types**



METAL AVIATOR



MODEL	RE-003
FRAME TYPE	Metals
FRONT LENS	0.75mm Pb Glass
WEIGHT	82g
FRAME SIZE	54-17-150
MATERIAL	Optical Steel
SIDE SHIELDS	0.50mm Pb Strips SS (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	64
CE	Yes
COLORS	Gold

The Aviator frame is a bold edition to our leaded eyewear lineup. Non-slip, silicone nose pads offer easy adjustability and allow the frame to fit a wide variety of face types.

Features:

- **Optional 0.50mm LE side shields**
- **Adjustable silicone nose pads**
- **Versatile fit for all face types**



PETITE METAL



MODEL	RE-007
FRAME TYPE	Metals
FRONT LENS	0.75mm Pb Glass
WEIGHT	63g
FRAME SIZE	52-22-150
MATERIAL	Optical Steel
SIDE SHIELDS	0.50mm Pb Strips SS (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	58
CE	Yes
COLORS	Gold, Light Gunmetal

The model 007 is a classic style made of optical steel with bronze electroplate. Non-slip, silicone nose pads offer easy adjustability and allow the frame to fit a wide variety of face types.

Features:

- **Optional 0.50mm LE side shields**
- **Adjustable silicone nose pads**
- **Versatile fit for all face types**



CLASSIC METAL



MODEL	RE-008
FRAME TYPE	Metals
FRONT LENS	0.75mm Pb Glass
WEIGHT	64g
FRAME SIZE	54-19-140
MATERIAL	Optical Steel
SIDE SHIELDS	0.50mm Pb Strips SS (included)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	58
CE	Yes
COLORS	Gold

Available in a beautiful light-blue color, this retro style frame is an aesthetically pleasing option for metal wire frames. The classic metal frame come standard with 0.50mm LE side shields for maximum lateral coverage. Non-slip, silicone nose pads offer easy adjustability and allow the frame to fit a wide variety of face types.

Features:

- **0.50mm LE side shields included**
- **Adjustable silicone nose pads**
- **Versatile fit for all face types**



553S METALITE



MODEL	RE-553S
FRAME TYPE	Metals
FRONT LENS	0.75mm Pb Glass
WEIGHT	62g
FRAME SIZE	50-18-140
MATERIAL	Optical Steel
SIDE SHIELDS	0.50mm Pb Strips SS (included)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	58
CE	Yes
COLORS	Silver

The model 553 is a metal frame featuring custom fitted 0.50mm lead strip side shields that create a seal to the front lenses for complete lateral coverage. Its silver color and retro style offer a classic look while non-slip, silicone nose pads provide easy adjustability and allow the frame to fit a wide variety of face types.

Features:

- **0.50mm LE side shields included**
- **Adjustable silicone nose pads**
- **Versatile fit for all face types**



557S METALITE



MODEL	RE-557S
FRAME TYPE	Metals
FRONT LENS	0.75mm Pb Glass
WEIGHT	63g
FRAME SIZE	48-20-135
MATERIAL	Optical Steel
SIDE SHIELDS	0.50mm Pb Strips SS (included)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	58
CE	Yes
COLORS	Gold

The model 557 is a metal frame featuring custom fitted 0.50mm lead strip side shields that create a seal to the front lenses for complete lateral coverage. Its gold color and retro style offer a classic look while non-slip, silicone nose pads provide easy adjustability and allow the frame to fit a wide variety of face types.

Features:

- **0.50mm LE side shields included**
- **Adjustable silicone nose pads**
- **Versatile fit for all face types**



661/662S METALITE



MODEL	RE-661/662S
FRAME TYPE	Metals
FRONT LENS	0.75mm Pb Glass
WEIGHT	54g 70g (662S)
FRAME SIZE	52-18-144 52-18-145 (662S)
MATERIAL	Optical Steel
SIDE SHIELDS	0.50mm Pb Strips SS (included - 662S)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	62
CE	Yes
COLORS	Gold

The model 662 is a metal frame featuring custom fitted 0.50mm lead strip side shields that create a seal to the front lenses for complete lateral coverage. Its gold color and modern shape provide a refreshed look while non-slip, silicone nose pads provide easy adjustability and allow the frame to fit a wide variety of face types.

Features:

- **0.50mm LE side shields included**
- **Adjustable silicone nose pads**
- **Versatile fit for all face types**



90 FITOVER



MODEL	RE-90
FRAME TYPE	Fitovers
FRONT LENS	0.75mm Pb Glass
WEIGHT	112g
FRAME SIZE	66-14-120
MATERIAL	Nylon
SIDE SHIELDS	0.50mm Pb Glass (included) or 0.75mm Pb Glass (optional)
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Matte Black

Designed to fit over prescription eyewear, model 90 fitovers are an excellent choice for those requiring protection against x-ray and liquid splashes. The large, clear side shields protect the user from lateral exposure while eliminating the “tunnel” effects of look-alikes.

Features:

- **Wide angle field of view**
- **Large glass side shields help eliminate “tunnel effect”**



FITGUARD ALPHA



MODEL	RE-FGUARDA
FRAME TYPE	Fitovers
FRONT LENS	0.75mm Pb Glass
WEIGHT	91g
FRAME SIZE	69-17-145
MATERIAL	Rubberized Matte Black Finish
SIDE SHIELDS	0.50mm Pb Strips SS (included)
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Matte Black

The Fitguard Alpha fitover is a versatile, high quality nylon frame with blacked-out side shields and a streamlined look. Featuring Flexfit technology, the fitover's temples can be easily adjusted for a secure, comfortable fit. The Alpha (XL) model is ideal for covering wide, rectangular shaped prescription eyewear. With balanced weight distribution and the most coverage, the Alpha is our most popular fitover model.

Features:

- **Adjustable temples**
- **Highly durable frame**
- **Ideal for wide prescription eyewear**



FITGUARD BETA



MODEL	RE-FGUARDB
FRAME TYPE	Fitovers
FRONT LENS	0.75mm Pb Glass
WEIGHT	108g
FRAME SIZE	64-18-150
MATERIAL	Rubberized Matte Black Finish
SIDE SHIELDS	0.50mm Pb Strips SS (included)
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Matte Black

The Fitguard Beta fitover is a versatile, high quality nylon frame with blacked-out side shields and a streamlined look. Featuring Flexfit technology, the fitover's temples can be benched (adjusted) easily for a secure, comfortable fit. The Beta (LG) model is ideal for covering taller, more square shaped prescription eyewear.

Features:

- **Adjustable temples**
- **Highly durable frame**
- **Ideal for fitting over eyewear with square or rounded lenses**



FULL FACE SHIELD



MODEL	450FPM
FRAME TYPE	Face Shields
FRONT LENS	0.10mm Pb Acrylic
WEIGHT	350g
FRAME SIZE	Adjustable 20" - 25" circumference
MATERIAL	Acrylic, Plastic
SIDE SHIELDS	N/A
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Black/Clear

The Full Face Shield uses a lead impregnated protective acrylic shield suspended from a dual adjustable headpiece. The Full face shield provides maximum x-ray protection due to its larger lead impregnated shield. Because of the multi-adjustable headpiece, you can angle the mask to protect from radiation in many different positions as well as adjust the size to comfortably fit your head. *Mask should be worn with leaded eyewear protection.



Made in the USA
from imported parts

PANORAMIC FACE SHIELD



MODEL	400PSM
FRAME TYPE	Face Shields
FRONT LENS	0.10mm Pb Acrylic
WEIGHT	425g
FRAME SIZE	Adjustable 20" - 25" circumference
MATERIAL	Acrylic, Plastic
SIDE SHIELDS	N/A
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Black/Clear

The Panoramic Face Shield utilizes a lead impregnated acrylic shield suspended from a dual adjustable headpiece. This lead face shield provides additional x-ray protection around the sides of the head while sacrificing some front protection. Because of the multi-adjustable headpiece, you can angle the mask to protect from radiation in many different positions as well as adjust the size to comfortably fit your head. *Mask should be worn with leaded eyewear protection.



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70 ASTROFLEX



MODEL	RE-70S
FRAME TYPE	Goggles
FRONT LENS	0.75mm Pb Glass
WEIGHT	88g
FRAME SIZE	54-19-Adjustable
MATERIAL	Polycarbonate
SIDE SHIELDS	0.50mm Pb Strips SS (included)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	62
CE	Yes
COLORS	Clear/Blue

Impact resistance and flexibility come together in this high quality goggle. The frame features molded side shielding and is fitted to the brow for increased splash protection. The temple length and frame angle are adjustable for a uniform custom fit. Model 70S comes with leaded side shields for necessary lateral x-ray coverage.

Features:

- **Adjustable temples**
- **Wide field of view**



COMET ECONOMY



MODEL	RE-COM
FRAME TYPE	Goggles
FRONT LENS	0.75mm Pb Glass
WEIGHT	65g
FRAME SIZE	50-19-117
MATERIAL	Polycarbonate
SIDE SHIELDS	0.50mm Pb Strips SS (included) Extended Side shield Seal (optional)
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Orange/Black, Yellow/Black, Black

The Comet Economy is an affordable option providing excellent coverage against x-ray. The side shield configuration allows for lead shielding to be placed on the frame exterior and wrap around the entire lens area, providing a complete seal from scatter radiation.

Features:

- **Rubberized nose-fit bridge and temples for grip and comfort**
- **Foam top bar for added comfort**
- **Optional Extended side shields**
- **Wide field of view**



COMET



MODEL	RE-COMET
FRAME TYPE	Goggles
FRONT LENS	0.75mm Pb Glass
WEIGHT	78.3g
FRAME SIZE	59-19-114
MATERIAL	Polycarbonate
SIDE SHIELDS	0.50mm Pb Strips SS (included) Extended Side shield Seal (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	64
CE	Yes
COLORS	Blue, Gray/Orange, Pink

A sleek and versatile relative to the Proguard LeadR's frame, the Comet provides excellent coverage against x-ray. Its unique side shield configuration allows for lead shielding to be placed on the frame exterior and wrap around the entire lens area, providing a complete seal from scatter radiation.

Features:

- **Rubberized nose-fit bridge and temples for grip and comfort**
- **Foam top bar for added comfort**
- **Optional Extended side shields**
- **Wide field of view**



LEAD'R



MODEL	RE-OG220
FRAME TYPE	Goggles
FRONT LENS	0.75mm Pb Glass
WEIGHT	76.7g
FRAME SIZE	58-15-135
MATERIAL	Polycarbonate
SIDE SHIELDS	0.50mm Pb Strips SS (included) Extended Side Shields (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	66
CE	Yes
COLORS	Black, Gray/Pink, Green/Yellow, White/Purple

The LeadR's feature a soft, ventilated nose bridge with rubberized temples for premium comfort. Each LeadR's frame comes with the added protection of 0.50mm leaded side shields and the ability to extend that side protection into an additional panel.

Features:

- **Wide field of view**
- **Rubberized, ventilated nose bridge**
- **Rubberized, curved temples**
- **Foam top bar for added comfort**
- **Optional Extended side shields**



X-GUARD



MODEL	RE-XGUARD
FRAME TYPE	Goggles
FRONT LENS	0.75mm Pb Glass
WEIGHT	81.8g
FRAME SIZE	58-18-135
MATERIAL	Polycarbonate
SIDE SHIELDS	0.50mm Pb Strips (included)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	62
CE	Yes
COLORS	Black/Woodgrain, Matte Black

Tired of the basic goggle selections for radiation protection? So are we! The X Guard goggle features a premium, clear insert, lead strip side shields for lateral coverage (shown in black model below), and tasteful color options.

Features:

- **Wide field of view**
- **Removable side shield insert**



ABACO DOCKSIDE



MODEL	AB-DOCK
FRAME TYPE	Brand - Abaco
FRONT LENS	0.75mm Pb Glass
WEIGHT	72g
FRAME SIZE	58-19-135
MATERIAL	Polycarbonate
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	60
CE	Yes
COLORS	Black, Crystal Clear

Dockside glasses have a bold square style in an impact-resistant polycarbonate frame featuring premium metal hinges. These fashion forward frames are both durable and lightweight.

- Features:**
- **Lightweight frame**
 - **Versatile fit for all face types (unisex)**



ABACO JESSE



MODEL	AB-JES
FRAME TYPE	Brand - Abaco
FRONT LENS	0.75mm Pb Glass
WEIGHT	68g
FRAME SIZE	56-18-142
MATERIAL	Polycarbonate
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	60
CE	Yes
COLORS	Matte Black

These unisex, universally flattering eyewear are made of soft, lightweight polycarbonate. They feature characteristic rivets at the temples and extremely flexible spring hinges for a snug, comfortable fit.

- Features:**
- **Lightweight frame**
 - **Versatile fit for all face types (unisex)**



ABACO KAI



MODEL	AB-KAI
FRAME TYPE	Brand - Abaco
FRONT LENS	0.75mm Pb Glass
WEIGHT	65g
FRAME SIZE	56-18-135
MATERIAL	Polycarbonate
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	60
CE	Yes
COLORS	Crystal Clear, Matte Black

Made of shatter-resistant, lightweight polycarbonate, the frames feature premium metal hinges and are molded around the ears to provide a comfortable fit. These unisex sunglasses complement a variety of facial shapes, and they fit virtually all faces from small to large.

Features:

- **Lightweight frame**
- **Versatile fit for all face types (unisex)**



ABACO WAIKIKI



MODEL	AB-WAI
FRAME TYPE	Brand - Abaco
FRONT LENS	0.75mm Pb Glass
WEIGHT	68g
FRAME SIZE	54-21-140
MATERIAL	Polycarbonate
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	60
CE	Yes
COLORS	Tortoise, Gloss Black

This revived version of an iconic classic features a lightweight polycarbonate frame to provide durability and a comfortable fit. These sunglasses feature characteristic rivet details on the front, premium metal hinges, and they are molded around the ears for added comfort. These eyewear look good on virtually everyone.

Features:

- **Lightweight frame**
- **Versatile fit for all face types (unisex)**



COSTA ALETA



MODEL	CO-ALE
FRAME TYPE	Brand - Costa
FRONT LENS	0.75mm Pb Glass
WEIGHT	-
FRAME SIZE	54-19-136
MATERIAL	Bioplastics
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	57
CE	Yes
COLORS	Wahoo, Taupe Crystal

Offering performance in a stylish yet functional design, Aleta uses lightweight Bio-Resin and double-injected Hydrolite™ for a better grip. With micro shields and hooding, excess light stays out while fog stays down with vented nose pads.

Features:

- **Rubberized nose pads**
- **Lightweight and durable plant-based frame (bioplastics)**



COSTA ARANSAS



MODEL	CO-ARA
FRAME TYPE	Brand - Costa
FRONT LENS	0.75mm Pb Glass
WEIGHT	-
FRAME SIZE	58-17-145
MATERIAL	Acetate
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	63
CE	Yes
COLORS	Ocean Tortoise

The Aransas features an acetate frame with a classic square lens shape and crafted design elements. This versatile frame fits most face shapes and offers medium coverage.

Features:

- **High-fit Bridge**
- **Universal Fit (for most face shapes)**



COSTA BLACKFIN



MODEL	CO-BFIN
FRAME TYPE	Brand - Costa
FRONT LENS	0.75mm Pb Glass
WEIGHT	-
FRAME SIZE	62-17-120
MATERIAL	Bioplastics
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	71
CE	Yes
COLORS	Matte Black

Flexible and boasting a Hydrolite™ co-injected lining, the Costa Blackfin lead glasses are made for performance and are a durable option for any doctor.

Features:

- **High-fit Bridge**
- **Rubberized Nosepads**
- **Lightweight and durable plant-based frame (bioplastics)**



COSTA BIMINI ROAD 330



MODEL	CO-BRD330
FRAME TYPE	Brand - Costa
FRONT LENS	0.75mm Pb Glass
WEIGHT	-
FRAME SIZE	55-16-145
MATERIAL	Metal
SIDE SHIELDS	0.50mm Pb Strips SSA (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	60
CE	Yes
COLORS	Black, Pacific Blue, Gunmetal

The Bimini Road features a smaller lens designed to fit those with a narrow head. Classic style designed in titanium and Monel®, these durable, lightweight frames are corrosion-resistant and a reliable choice for anyone.

Features:

- **Adjustable nose pads**
- **Narrow fit for smaller faces**
- **Temporary Removable Side Shields (optional)**
- **Lightweight, durable, corrosion resistant frame**



COSTA BIMINI ROAD 320



MODEL	CO-BRD320
FRAME TYPE	Brand - Costa
FRONT LENS	0.75mm Pb Glass
WEIGHT	-
FRAME SIZE	53-17-145
MATERIAL	Metal
SIDE SHIELDS	0.50mm Pb Strips SSA (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	59
CE	Yes
COLORS	Black, Pacific Blue, Gunmetal

The Bimini Road features a smaller lens designed to fit those with a narrow head. Classic style designed in titanium and Monel®, these durable, lightweight frames are corrosion-resistant and a reliable choice for anyone.

Features:

- **Adjustable nose pads**
- **Narrow fit for smaller faces**
- **Temporary Removable Side Shields (optional)**
- **Lightweight, durable, corrosion resistant frame**



COSTA FERNANDINA



MODEL	CO-FER
FRAME TYPE	Brand - Costa
FRONT LENS	0.75mm Pb Glass
WEIGHT	-
FRAME SIZE	57-15-132
MATERIAL	Metal, Acetate
SIDE SHIELDS	0.50mm Pb Strips SSA (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	61
CE	Yes
COLORS	Brushed Gold

The Fernandina is a small metal frame with rounded lenses and acetate temples for added color. This unisex frame for smaller faces has premium 5-barrel hinges and adjustable nose pads for added comfort.

Features:

- **High-fit Bridge**
- **Narrow fit for smaller faces**
- **Adjustable Nosepads**
- **Temporary Removable Side Shields (optional)**



COSTA OCEAN RIDGE 400



MODEL	CO-OCR4
FRAME TYPE	Brand - Costa
FRONT LENS	0.75mm Pb Glass
WEIGHT	-
FRAME SIZE	57-16-140
MATERIAL	Bioplastics
SIDE SHIELDS	0.50mm Pb Strips SSA (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	60
CE	Yes
COLORS	Black, Pacific Blue, Fog Gray

The Ocean Ridge features a lightweight frame made from Bio-Resin™ nylon. The material is strong, allowing the frames to hold their shape in heat and cold weather. This versatile frame fits most face shapes.

Features:

- **Universal Fit (for most face shapes)**
- **Rubberized Nosepads**
- **Temporary Removable Side Shields (optional)**
- **Lightweight and durable plant-based frame (bioplastics)**



COSTA SEADRIFT



MODEL	CO-SEA
FRAME TYPE	Brand - Costa
FRONT LENS	0.75mm Pb Glass
WEIGHT	-
FRAME SIZE	60-15-123
MATERIAL	Bioplastics
SIDE SHIELDS	N/A
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Shiny Tortoise Fade

This sleek, Bio-Resin frame sports Costa's Hydrolite™ rubber in the temple arms and nose pads. Providing optimal coverage and wrap, the Seadrift is there when you need to perform.

Features:

- **High-fit Bridge**
- **Rubberized Nosepads and temples**
- **Lightweight and durable plant-based frame (bioplastics)**



COSTA SULLIVAN



MODEL	CO-SUL
FRAME TYPE	Brand - Costa
FRONT LENS	0.75mm Pb Glass
WEIGHT	-
FRAME SIZE	53-19-140
MATERIAL	Acetate
SIDE SHIELDS	0.50mm Pb Strips SSA (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	57
CE	Yes
COLORS	Tortoise, Black Kelp, Matte Gray Crystal

Sullivan was designed with a slow-down, kick-back kind of style along with its water-inspired acetate designs. This frame fits all face types and offers medium coverage.

Features:

- **High bridge fit**
- **Temporary Removable Side Shields (optional)**
- **Versatile fit for all face types (unisex)**



COSTA TUNA ALLEY



MODEL	CO-TALY
FRAME TYPE	Brand - Costa
FRONT LENS	0.75mm Pb Glass
WEIGHT	-
FRAME SIZE	61.5-11-125
MATERIAL	Nylon
SIDE SHIELDS	N/A
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Blackout

With integral hinges, a patented vent system, and durable nylon construction, these men's performance glasses won't be missing much. The Tuna Alley is a large frame offering maximum coverage and wrap.

Features:

- **Rubberized nose pads**
- **High bridge and wide fit**
- **Durable Nylon Frame**
- **Vent System**
- **Maximum coverage**



COSTA TYBEE



MODEL	CO-TYB
FRAME TYPE	Brand - Costa
FRONT LENS	0.75mm Pb Glass
WEIGHT	-
FRAME SIZE	55-20-140
MATERIAL	Acetate
SIDE SHIELDS	0.50mm Pb Strips SSA (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	60
CE	Yes
COLORS	Tortoise, Matte Black, Ocean Currents, Shiny Light Gray Crystal

Boasting ocean-inspired colors and a casual style, the Tybee features a standard fit with medium coverage and wrap.

Features:

- **High-fit Bridge**
- **Temporary Removable Side Shields (optional)**



NIKE 7118



MODEL	N-7118
FRAME TYPE	Brand - Nike
FRONT LENS	0.75mm Pb Glass
WEIGHT	71.5g
FRAME SIZE	55-14-140
MATERIAL	Bioplastics
SIDE SHIELDS	0.50mm Pb Strips SSA (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	55
CE	Yes
COLORS	Matte Midnight Navy, Matte Black/Blue

The Nike 7118 lead glasses are a retro-chic, gender-neutral frame made of lightweight, bio-plastic. Featuring rubberized nose pads and temple tips, the 7118 protective eyewear are a comfortable "all-day-wear" option.

Features:

- **Rubberized nose pads and temple tips**
- **Temporary Removable Side Shields (optional)**
- **Lightweight and durable plant-based frame (bioplastics)**



NIKE BRAZEN



MODEL	N-BR
FRAME TYPE	Brand - Nike
FRONT LENS	0.75mm Pb Glass
WEIGHT	75g
FRAME SIZE	60-16-140
MATERIAL	Nylon
SIDE SHIELDS	0.50mm Pb Strips SS (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	66 (Min. Single Vision PD: 64)
CE	Yes
COLORS	Matte Black with Blue, Shiny Black

The Nike Brazen features an advanced ventilated nose bridge for grip, comfort, and reduced fogging. Its lightweight nylon design combines streamlined style with enhanced comfort. The premium Nike Brazen frame offers versatility with its superior coverage and protection and fits a wide range of people.

Features:

- **Rubberized, ventilated nose bridge**
- **Lightweight frame**
- **Superior coverage for optimal x-ray protection**



NIKE BRAZEN FURY



MODEL	N-BRF
FRAME TYPE	Brand - Nike
FRONT LENS	0.75mm Pb Glass
WEIGHT	-
FRAME SIZE	60-17-130
MATERIAL	Bioplastics
SIDE SHIELDS	0.50mm Pb Strips SS or SSA (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	64
CE	No
COLORS	Matte Black with Green, Matte Gray/Blue

The Nike Brazen Fury features rubberized nose pads and temple tips for added grip and comfort. With super-comfortable features in a lightweight frame, they're an ideal pair for active and everyday wear.

Features:

- **Rubberized nose pads and temple tips**
- **Lightweight and durable plant-based frame (bioplastics)**



NIKE PREMIER



MODEL	N-PRMR
FRAME TYPE	Brand - Nike
FRONT LENS	0.75mm Pb Glass
WEIGHT	67.8g
FRAME SIZE	60-13-135
MATERIAL	Nylon
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	64
CE	Yes
COLORS	Matte Tortoise, Matte Anthracite, Matte Black

The Nike Premier is reborn with a diverse selection of colors and tasteful design elements. The Premier's large rectangular lenses provide adequate x-ray protection and coverage.

Features:

- **Large, rectangular lenses**
- **Lightweight frame**



NIKE RABID



MODEL	N-RABID
FRAME TYPE	Brand - Nike
FRONT LENS	0.75mm Pb Glass
WEIGHT	63g
FRAME SIZE	63-14-145
MATERIAL	Nylon
SIDE SHIELDS	0.50mm Pb Strips SSA (optional)
RX OPTIONS	None
MIN PRG PD	N/A
CE	Yes
COLORS	Matte Black/White

The Rabid is a high-curvature sports frame providing superior wraparound coverage and protection. Its lightweight nylon design and wide lenses provides clarity at all angles during any procedure. Secure Wrap Technology features grip zones throughout the frame for a better overall fit, comfort, and stability.

Features:

- **High curvature frame for wraparound coverage and optimal x-ray protection**
- **Lightweight frame**
- **Superior grip for stability and comfort**



LIBERTY MAXX 30



MODEL	LBT-MAX30S (small) LBT-MAX30 (reg.)
FRAME TYPE	Brand - Liberty
FRONT LENS	0.75mm Pb Glass
WEIGHT	60g (small) 69g (reg.)
FRAME SIZE	53-17-130 (small) 55-20-130 (reg.)
MATERIAL	Polycarbonate
SIDE SHIELDS	0.50mm Pb Strips SS (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	56
CE	Yes
COLORS	Shiny Black, Shiny Blue, Shiny Red, Shiny Silver

The Liberty Maxx's hingeless temples are ultra-sturdy while the head strap keeps these glasses fitting securely during long procedures. Soft padding inside the temples and bridge ensures maximum comfort and the best possible fit.

Features:

- Available in 2 sizes
- Hingeless temples for a secure fit
- Can accommodate wide range of prescriptions
- Versatile fit for all face types (unisex)
- Rubberized nose bridge and temples for added comfort and fit



LIBERTY MAXX 31



MODEL	LBT-MAX31S (small) LBT-MAX31 (reg.)
FRAME TYPE	Brand - Liberty
FRONT LENS	0.75mm Pb Glass
WEIGHT	60g (small) 64g (reg.)
FRAME SIZE	53-17-130 (small) 55-20-130 (reg.)
MATERIAL	Polycarbonate
SIDE SHIELDS	0.50mm Pb Strips SS (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	56
CE	Yes
COLORS	Shiny Blue, Shiny Black, Shiny Silver

The Liberty Maxx's head strap keeps these glasses fitting securely during long procedures. Soft padding inside the temples and bridge ensures maximum comfort and the best possible fit.

Features:

- Available in 2 sizes
- Shortened temples with a fitted head strap
- Can accommodate wide range of prescriptions
- Versatile fit for all face types (unisex)
- Rubberized nose bridge for comfort



OAKLEY CROSSLINK ZERO



MODEL	OA-CROSS
FRAME TYPE	Brand - Oakley
FRONT LENS	0.75mm Pb Glass
WEIGHT	61.6g
FRAME SIZE	58-16-138
MATERIAL	Durable O Matter™
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	56
CE	Yes
COLORS	Matte Black, Polished Gray Shadow

The Crosslink Zero has fixed temples with a three-Point Fit to ensure lenses are aligned for visual correction. Wire cores hidden inside the temples of this lightweight frame offer adjustability for a perfect fit.

Features:

- **Rubberized nose pads and ear socks for added comfort**
- **Lightweight frame**



OAKLEY FIVE SQUARED



MODEL	OA-FIVESQ
FRAME TYPE	Brand - Oakley
FRONT LENS	0.75mm Pb Glass
WEIGHT	71g
FRAME SIZE	54-20-135
MATERIAL	Durable O Matter™
SIDE SHIELDS	N/A
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Polished Black, Gray Smoke

Oakley Five Squared leaded glasses uses Condensed Cranial Geometry for a tapered architecture that feels as good as it looks and it's a look that soaks sophistication in adrenalin. Dimensional reliefs, metal icons and sculpturally integrated hinges take the whole idea of streetsmooth style and amp it with attitude.

Features:

- **Lightweight frame**



OAKLEY HOLBROOK



MODEL	OA-HOL
FRAME TYPE	Brand - Oakley
FRONT LENS	0.75mm Pb Glass
WEIGHT	66.5g
FRAME SIZE	56-18-135
MATERIAL	Durable O Matter™
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	60
CE	Yes
COLORS	Polished Clear, Satin Black, Matte Brown Tortoise

The Oakley Holbrook frame combine traditional design with modern style ar flare.

- Features:**
- **Lightweight frame**



OAKLEY JUPITER SQUARED



MODEL	OA-JUP
FRAME TYPE	Brand - Oakley
FRONT LENS	0.75mm Pb Glass
WEIGHT	74.1g
FRAME SIZE	56-18-135
MATERIAL	Durable O Matter™
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	66
CE	Yes
COLORS	Matte Black - USA Flag

A customer favorite, the sporty Jupiter Squared is attitude with refinement. The handles of switchblade knives inspired the earstems and their metal bands and rivets. The Matte Black frames of the Flag Collection are highlighted with American flag emblems.

- Features:**
- **Rubberized ear socks for added grip and comfort**
 - **American flag on Oakley "O" Logo**



OAKLEY LITEBEAM



MODEL	OA-LITE
FRAME TYPE	Brand - Oakley
FRONT LENS	0.75mm Pb Glass
WEIGHT	59.6g
FRAME SIZE	55-18-140
MATERIAL	Durable O Matter™
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	60
CE	Yes
COLORS	Satin Black

Smooth details and streamlined design provide a timeless look with the Oakley Litebeam. Composed of lightweight materials, the Litebeam features adjustable temples and comes with several nosebridge sizes to ensure maximum comfort.

Features:

- **Lightweight frame**
- **Adjustable temples for a perfect fit**



OAKLEY TRILLBE X



MODEL	OA-TRILL
FRAME TYPE	Brand - Oakley
FRONT LENS	0.75mm Pb Glass
WEIGHT	64g
FRAME SIZE	52-18-140
MATERIAL	Durable O Matter™
SIDE SHIELDS	0.50mm Pb Strips SSA (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	58
CE	Yes
COLORS	Polished Clear

Designed for small to medium faces, this comfortably lightweight addition to the Trillbe™ Collection has a softly rounded front with a sculptured keyhole bridge, and its stem architecture takes vintage style into modern territory.

Features:

- **Lightweight frame**
- **Designed for small to medium faces**



RAY BAN 2016 DADDY-O



MODEL	RB-2016
FRAME TYPE	Brand - Ray Ban
FRONT LENS	0.75mm Pb Glass
WEIGHT	61g
FRAME SIZE	59-17-125
MATERIAL	Nylon
SIDE SHIELDS	0.50mm Pb Strips SS (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	65
CE	Yes
COLORS	Matte Black

Go 100% classic Ray-Ban with the laid back, classic style of Daddy-O.

Features:

- **Lightweight frame**
- **Excellent coverage for maximum x-ray protection**



RAY BAN 4105



MODEL	RB-4105
FRAME TYPE	Brand - Ray Ban
FRONT LENS	0.75mm Pb Glass
WEIGHT	62g
FRAME SIZE	50-23-140
MATERIAL	Nylon
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	65
CE	Yes
COLORS	Matte Black

The Ray-Ban Classic Wayfarer look with a twist: the glasses are foldable. Modeled after Ray-Ban's iconic design, the 4105 was reconstructed into a compact, folding, light weight frame.

Features:

- **Impact resistant, durable nylon**
- **Compact folding style for ease of portability**



RAY BAN 4165F JUSTIN



MODEL	RB-4165
FRAME TYPE	Brand - Ray Ban
FRONT LENS	0.75mm Pb Glass
WEIGHT	73g
FRAME SIZE	55-18-145
MATERIAL	Nylon
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	65
CE	Yes
COLORS	Matte Black

Bold, Fun and Unforgettable, the 4165F glasses may just be one of the coolest looks in the Ray-Ban collection. Inspired by the iconic Wayfarer sunglasses, this style has been redesigned with slightly larger rectangle lenses, fresh new frame colors, and a rubberized frame finish to really give it that extra edge.

Features:

- **Rubberized frame finish for no-slip grip and comfort**
- **Durable nylon**



RAY BAN 4181



MODEL	RB-4181
FRAME TYPE	Brand - Ray Ban
FRONT LENS	0.75mm Pb Glass
WEIGHT	71.4g
FRAME SIZE	57-16-145
MATERIAL	Injected Plastic
SIDE SHIELDS	0.50mm Pb Strips SSA (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	65
CE	Yes
COLORS	Tortoise

The stylistically distinct and unassuming Ray Ban model 4181 serves as a timeless option for radiation protection with class.

Features:

- **Versatile fit for all face types (unisex)**



RAY BAN 7047



MODEL	RB-7047
FRAME TYPE	Brand - Ray Ban
FRONT LENS	0.75mm Pb Glass
WEIGHT	63g
FRAME SIZE	54-17-140
MATERIAL	Injected Plastic
SIDE SHIELDS	0.50mm Pb Strips SSA (optional)
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Black, Blue, Brown

A sharper more self assured Ray Ban style, the model 7047 is full of confidence and style. Composed of lightweight materials, the 7047 provides comfortable, long lasting protection against x-ray.

Features:

- **Wide fit temples for a comfortable fit**



WILEY-X AIRRAGE



MODEL	WX-AIRR
FRAME TYPE	Brand - Wiley-X
FRONT LENS	0.75mm Pb Glass
WEIGHT	67.5g
FRAME SIZE	61-18-124
MATERIAL	Polycarbonate
SIDE SHIELDS	N/A
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Matte Black

The Wiley X Airrage frame features a facial foam cavity seal and high curved lenses for maximum comfort and protection against x-ray.

Features:

- **Facial foam cavity for added comfort**
- **Highly curved lenses for optimal x-ray protection**
- **Durable frame**



WILEY-X BOSS



MODEL	WX-BOSS
FRAME TYPE	Brand - Wiley-X
FRONT LENS	0.75mm Pb Glass
WEIGHT	84.5g
FRAME SIZE	68-18-125
MATERIAL	Polycarbonate
SIDE SHIELDS	N/A
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Matte Black

Featuring highly curved lenses, the Wiley X Boss provides excellent x-ray protection.

Features:

- **Removable facial foam cavity seal for added comfort**
- **Highly curved lenses for optimal x-ray protection**
- **Durable frame**
- **Maximum splash protection**



Facial Cavity Seal



WILEY-X BRICK



MODEL	WX-BRICK
FRAME TYPE	Brand - Wiley-X
FRONT LENS	0.75mm Pb Glass
WEIGHT	74g
FRAME SIZE	63-18-120
MATERIAL	Polycarbonate
SIDE SHIELDS	N/A
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Matte Black

The Wiley X Brick is part of a long line of military inspired frames with sleek, modern designs. The Wiley X Brick's highly curved 8 base lenses provide excellent coverage against x-ray and feature a removable facial cavity seal to protect against debris and splash exposure.

Features:

- **Removable facial foam cavity seal for added comfort**
- **Highly curved lenses for optimal x-ray protection**
- **Durable frame**
- **Rubberized, flexible temple arms**



Facial Cavity Seal



WILEY-X CONTOUR



MODEL	WX-CON
FRAME TYPE	Brand - Wiley-X
FRONT LENS	0.75mm Pb Glass
WEIGHT	62.3g
FRAME SIZE	54-17-140
MATERIAL	Nylon
SIDE SHIELDS	0.50mm Pb Inserts SS (included)
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Matte Black, Gloss Black/Brown Stripe

With the move to branded lead glasses, the Wiley X Contour is the whole package. Its retro style and modern color palette deliver on appeal, while optional premium side shield inserts are also available for maximum coverage against x-ray.

Features:

- **Removable 0.50mm side shield inserts included**
- **Durable, lightweight frame**



WILEY-X P-17



MODEL	WX-P17
FRAME TYPE	Brand - Wiley-X
FRONT LENS	0.75mm Pb Glass
WEIGHT	68g
FRAME SIZE	60-18-125
MATERIAL	Polycarbonate
SIDE SHIELDS	0.50mm Pb Strips SSA (optional)
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Gloss Black, Matte Black, Brown

The Wiley X P-17 is a frame inspired by the military. Its sleek design and lightweight comfort provide unparalleled performance. The Wiley X P-17 is ideal for medium to large facial structures and comes standard with high curvature 0.75mm LE lenses.

Features:

- **Ideal for medium to large face types**
- **Highly curved lenses for optimal x-ray protection**
- **Durable frame**



TUGGA BABY



MODEL	RE-BABY
FRAME TYPE	Goggles
FRONT LENS	0.75mm Pb Glass
WEIGHT	42g
FRAME SIZE	46-18
MATERIAL	Polycarbonate
SIDE SHIELDS	N/A
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Shiny Blue, Shiny Black

Protech's Tugga Baby pediatric glasses provide essential protection during medical fluoroscopy and feature a universal fit with its adjustable headband.

Features:

- **Adjustable headband for universal fit**



EYEWEAR ADDONS

LATERAL SIDE SHIELDS

Many of our frames come with side shields for maximum protection. There are three types of side shields – glass lenses, side shield attachments (SSA) and vinyl strips added to existing side shield areas (SS). **For all side shield types, the standard protection is 0.50mm Pb.** Some frames are able to accommodate a 0.75mm Pb glass, such as the 53 Wrap shown here (Fig A.).



Fig A - Side shield example - 0.75mm Pb Glass



Side shield Attachment (SSA) example



Side shield (SS) example - 0.50mm Pb strip

AR COATING

An anti-reflective coating eliminates the reflection produced by light on eyewear lenses. **Once an AR coat has been applied, 99.5% of available light will be able to pass through your lenses (compared to 85%) which enhances visual acuity and reduces eye strain.** During procedures, an anti-reflective coating is particularly important to reduce the reflections and light disturbances caused by operational and lighting equipment.

ACCESSORIES



All eyewear purchases come with a hard case, pouch, headstrap and cleaning cloth.



RE-CLEAN

RE-CLOTH

RE-CASE



RE-STRAP



RE-STRAP2

ITEM CODE	DESCRIPTION
RE-CASE	Honeycomb Hard Case
RE-STRAP	Simple Square Slider Eyewear Strap
RE-STRAP2	Lobster Claw Eyewear Strap
RE-CLEAN	Anti-fog Eyewear Lens Cleaner 1 fl. oz
RE-CLOTH	Soft Eyewear Cloth Wipe

									Prescription (Rx) Options			
Model	Size	Base Curve	Weight (g)	Side Shields	CE	Material	Frame Type	Plano	Rx	Min. PRO PD	Powers	Included Accessories
Fitovers												
90 Fitover	66-14-120	4BC 80	112	Incl	Y	Nylon	Fitover	✓	-	-	-	OEM: C, ST, CL, P
FitGuard Alpha	69-17-145	4BC 80	91	Incl	Y	Nylon	Fitover	✓	-	-	-	OEM: C, ST, CL, P
FitGuard Beta	64-18-150	4BC 80	108	Incl	Y	Nylon	Fitover	✓	-	-	-	OEM: C, ST, CL, P
Goggles												
70s Astroflex	54-19-ADJ	4BC 65	88	Incl	Y	Polycarbonate	Goggle	✓	-	58	8.00 to -9.00	OEM: C, ST, CL, P
Comet	59-19-114	6BC 65	78.3	Incl	Y	Polycarbonate	Goggle	✓	-	68	8.00 to -9.00	OEM: C, ST, CL, P
Comet Economy	50-19-117	6BC 65	65	Incl	Y	Polycarbonate	Goggle	✓	-	61	-	OEM: C, ST, CL, P
LeadR	58-15-135	6BC 65	76.7	Incl	Y	Polycarbonate	Goggle	✓	-	66	8.00 to -9.00	OEM: C, ST, CL, P
X Guard	58-18-135	6BC 65	81.8	Incl	Y	Polycarbonate	Goggle	✓	-	62	8.00 to -9.00	OEM: C, ST, CL, P
Classic												
53 Wrap	58-16-135	4BC 65	84	Incl	Y	Nylon	Glasses	✓	-	60	8.00 to -9.00	OEM: C, ST, CL, P
Malibu	54-20-155	4BC 65	68.1	N/A	Y	Polycarbonate	Glasses	✓	-	57	8.00 to -9.00	OEM: C, ST, CL, P
Classic Metals												
553s Metalite	50-18-140	4BC 65	62	Incl	Y	Optical Steel	Glasses	✓	-	57	8.00 to -9.00	OEM: C, ST, CL, P
557s Metalite	48-20-135	4BC 65	63	Incl	Y	Optical Steel	Glasses	✓	-	56	8.00 to -9.00	OEM: C, ST, CL, P
661 Metalite	52-18-144	4BC 65	54	N/A	Y	Optical Steel	Glasses	✓	-	58	8.00 to -9.00	OEM: C, ST, CL, P
662s Metalite	52-18-145	4BC 65	70	Incl	Y	Optical Steel	Glasses	✓	-	58	8.00 to -9.00	OEM: C, ST, CL, P
Classic Metal	54-19-140	4 - 6	64	Incl	Y	Optical Steel	Glasses	✓	-	57	8.00 to -9.00	OEM: C, ST, CL, P
Metal Aviators	54-17-150	4 - 6	82	SS	Y	Optical Steel	Glasses	✓	-	59	8.00 to -9.00	OEM: C, ST, CL, P
Modern Metal	48-20-135	4 - 6	73	SS	Y	Optical Steel	Glasses	✓	-	58	8.00 to -9.00	OEM: C, ST, CL, P
Petite Metal	52-22-150	4 - 6	63	SS	Y	Optical Steel	Glasses	✓	-	58	8.00 to -9.00	OEM: C, ST, CL, P
Wrap-Around												
98	63-15-120	8BC 73	63	N/A	Y	Nylon	Glasses	-	-	-	-	OEM: C, ST, CL, P
99 Ultralite	61-18-140	6BC 65	67	SS	Y	Nylon	Glasses	✓	-	70	8.00 to -9.00	OEM: C, ST, CL, P
99 Ultralite Small	56-17-140	6BC 65	59.5	N/A	Y	Nylon	Glasses	✓	-	59	8.00 to -9.00	OEM: C, ST, CL, P
99 Ultralite Bridge	61-18-140	6BC 65	67	SS	Y	Nylon	Glasses	✓	-	64	8.00 to -9.00	OEM: C, ST, CL, P
9941 Ultralite	55-22-130	6BC 65	64	SS	Y	Nylon	Glasses	✓	-	60	8.00 to -9.00	OEM: C, ST, CL, P
9941-53 Ultralite SM	53-22-130	6BC 65	58	N/A	Y	Nylon	Glasses	✓	-	59	9.00 to -10.00	OEM: C, ST, CL, P
9941 UL w Nosepad	55-22-130	6BC 65	64	SS	Y	Nylon	Glasses	✓	-	62	8.00 to -9.00	OEM: C, ST, CL, P
Airborne	57-21-145	4BC 65	74.7	SS	Y	Polycarbonate	Glasses	✓	-	62	8.00 to -9.00	OEM: C, ST, CL, P
Centrist	55-17-140	4BC 65	88	Incl	Y	Nylon	Glasses	✓	-	61	8.00 to -9.00	OEM: C, ST, CL, P
Circuit	60-18-135	8BC 73	82.1	SS/SSA	Y	Nylon	Glasses	✓	-	-	-	OEM: C, ST, CL, P
Mako	65-15-130	8BC 73	69.3	Incl	Y	Polycarbonate	Glasses	✓	-	-	-	OEM: C, ST, CL, P
Onyx	68-19-135	8BC 73	71.7	N/A	Y	Polycarbonate	Glasses	✓	-	-	-	OEM: C, ST, CL, P
Razer	58-17-135	6BC 65	62.5	Incl	Y	Polycarbonate	Glasses	✓	-	60	8.00 to -9.00	OEM: C, ST, CL, P
Kids												
Tugga Baby	46-18	4BC 65	42	N/A	Y	Polycarbonate	Glasses	✓	-	-	-	OEM: C, ST, CL, P
Abaco Brand												
Dockside	58-19-135	6BC 65	72	N/A	Y	Polycarbonate	Glasses	✓	-	63	8.00 to -9.00	OEM: C, ST, CL, P
Kai	56-18-135	4BC 65	65	N/A	Y	Polycarbonate	Glasses	✓	-	60	8.00 to -9.00	OEM: C, ST, CL, P
Jesse	56-18-142	6BC 65	68	N/A	Y	Polycarbonate	Glasses	✓	-	61	8.00 to -9.00	OEM: C, ST, CL, P
Waikiki	54-21-140	4BC 65	68	N/A	Y	Polycarbonate	Glasses	✓	-	58	8.00 to -9.00	OEM: C, ST, CL, P

Included Accessories:

OEM = OEM accessories are provided by Protech or customer designed accessories.

BR = Branded accessories means some or all of the included accessories are supplied by the brand.

Accessory Types:

C = Case
P = Pouch
ST = Straps
CL = Cloth

Prescription (Rx) Options

Model	Size	Base Curve	Weight (g)	Side Shields	CE	Material	Frame Type	Plano	Rx	Min. PRO PD	Powers	Included Accessories
Costa Brand												
Aleta	54-19-136	6BC 65	-	N/A	Y	Bioplastics	Glasses	✓		57	-	-
Aransas	58-17-145	6BC 65	-	N/A	Y	Acetate	Glasses	✓		63	-	-
Blackfin	62-17-120	6BC 65	-	N/A	Y	Bioplastics	Glasses	✓		71	-	-
Bimini Road 330	55-16-145	4BC 65	-	SSA	Y	Metal	Glasses	✓		60	-	-
Bimini Road 320	53-17-145	4BC 65	-	SSA	Y	Metal	Glasses	✓		59	-	-
Fernandina	57-15-132	4BC 65	-	SSA	Y	Metal, Acetate	Glasses	✓		61	-	-
Ocean Ridge 400	57-16-140	4BC 65	-	SSA	Y	Bioplastics	Glasses	✓		60	-	-
Seadrift	60-15-123	8BC 73	-	N/A	Y	Bioplastics	Glasses	✓		-	-	-
Sullivan	53-19-140	6BC 65	-	SSA	Y	Acetate	Glasses	✓		57	-	-
Tuna Alley	61.5-11-125	8BC 73	-	N/A	Y	Nylon	Glasses	✓		-	-	-
Tybee	55-20-140	6BC 65	-	SSA	Y	Acetate	Glasses	✓		60	-	-
Nike Brand												
Brazen	60-16-140	6BC 65	75	SS	Y	Nylon	Glasses	✓		66	8.00 to -9.00	BR: P ; OEM: C, ST, CL
Brazen Fury	60-17-130	6BC 65	73.8	SS/SSA	Y	Bioplastics	Glasses	✓		67	8.00 to -9.00	BR: P ; OEM: C, ST, CL
Premier	60-13-135	6BC 65	67.8	N/A	Y	Nylon	Glasses	✓		63	8.00 to -9.00	BR: P ; OEM: C, ST, CL
Rabid	63-14-145	8BC 73	63	SSA	Y	Nylon	Glasses	✓		68	-	BR: P ; OEM: C, ST, CL
7118	55-14-140	6BC 65	71.5	SSA	Y	Bioplastics	Glasses	✓		62	8.00 to -9.00	BR: P ; OEM: C, ST, CL
Liberty Brand												
Maxx 30 (small)	53-17-130	6BC 65	60	SS	Y	Polycarbonate	Glasses	✓		56	-	OEM: C, ST, CL, P
Maxx 30 (regular)	55-20-130	6BC 65	69	SS	Y	Polycarbonate	Glasses	✓		56	-	OEM: C, ST, CL, P
Maxx 31 (small)	53-17-130	6BC 65	60	SS	Y	Polycarbonate	Glasses	✓		56	-	OEM: C, ST, CL, P
Maxx 31 (regular)	55-20-130	6BC 65	64	SS	Y	Polycarbonate	Glasses	✓		56	-	OEM: C, ST, CL, P
Oakley Brand												
Crosslink Zero	58-16-138	6BC 65	61.6	N/A	Y	O Matter	Glasses	✓		62	8.00 to -9.00	BR: C, ST, CL
Five Squared	54-20-135	8BC 73	71	N/A	Y	O Matter	Glasses	✓		-	-	BR: C, ST, CL
Holbrook	56-18-135	6BC 65	66.5	N/A	Y	O Matter	Glasses	✓		60	8.00 to -9.00	BR: C, ST, CL
Jupiter Squared	56-18-135	6BC 65	74.1	N/A	Y	O Matter	Glasses	✓		60	8.00 to -9.00	BR: P ; OEM: C, ST, CL
Litebeam	55-18-140	4BC 65	59.6	N/A	Y	O Matter	Glasses	✓		58	8.00 to -9.00	BR: C, ST, CL
Straightlink	61-19-130	8BC 73	77.2	N/A	Y	O Matter	Glasses	✓		-	-	OEM: C, ST, CL, P
Trillbe X	52-18-140	4BC 65	63.9	SSA	Y	O Matter	Glasses	✓		58	8.00 to -9.00	BR: C, ST, CL
Ray ban Brand												
Daddy-O 2016	59-17-125	6BC 65	61	SS	Y	Nylon	Glasses	✓		65	8.00 to -9.00	BR: C ; OEM: ST, CL, P
4105	50-23-140	6BC 65	62	N/A	Y	Metal	Glasses	✓		54	8.00 to -9.00	BR: C, ST, CL
4165F Justin	55-18-145	6BC 65	73	N/A	Y	Nylon	Glasses	✓		60	8.00 to -9.00	BR: C, ST, CL
4181	57-16-145	6BC 65	71.4	SSA	Y	Injected Plastic	Glasses	✓		60	8.00 to -9.00	BR: C, ST, CL
7047	54-17-140	4BC 65	63	SSA	Y	Injected Plastic	Glasses	✓		59	-	BR: C, ST, CL
Wiley X Brand												
Airrage	61-18-124	8BC 73	67.5	N/A	Y	Polycarbonate	Glasses	✓		-	-	BR: C, ST, CL
Boss	68-18-125	8BC 73	84.5	N/A	Y	Polycarbonate	Glasses	✓		84	-	BR: C, ST, CL
Brick	63-18-120	8BC 73	74	N/A	Y	Polycarbonate	Glasses	✓		-	-	BR: C, ST, CL
Contour	54-17-140	4BC 65	62.3	Incl	Y	Nylon	Glasses	✓		59	-	BR: C, ST, CL
P-17	60-18-125	8BC 73	68	SSA	Y	Polycarbonate	Glasses	✓		-	-	BR: C, ST, CL
Face Shields / Masks												
450FPM	Adjustable	-	350g	N/A	Y	Plastic/Acrylic	Mask	✓		-	-	Custom Case
400PSM	Adjustable	-	425g	N/A	Y	Plastic/Acrylic	Mask	✓		-	-	Custom Case

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