

BUILT FOR BATTLE

**ESS**

TOUGH FOR LIFE



**BUILT FOR BATTLE. TOUGH FOR LIFE.™**

## ESS EYE PRO IS BATTLEFIELD PROVEN.

Military personnel worldwide rely on ESS. Their brave deeds feed our passion for combining performance, style, and safety throughout our line of advanced eyewear. ESS Eye Pro exceeds the most stringent military testing standards and is the only brand of eye protection issued to all branches of the U.S. Department of Defense.

Trust ESS for battle-proven toughness and innovations born from unyielding research in military eye protection. Our strong warranty, unique **Lens Contingency Program™**, and stand-alone replacement parts are all built-in assurances that your eye pro can withstand your demanding lifestyle. ESS helps keep you on target and your eyes protected.

## ▶ DAMAGED YOUR ESS LENSES? NO PROBLEM.

With the **ESS Lens Contingency Program™**, there's a one-time remedy for the scratched-lens blues: for every pair of lenses that you buy, you can get 50% off the retail price of a new set of lenses. Simply replace your damaged goods with a like-kind lens and put your eye pro back into action. If you're hard on your gear, the Lens Contingency Program™ is like a new lease on sunglass life. For details visit, [www.esseyepro.com/contingency](http://www.esseyepro.com/contingency)

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# IMPACT SPECIFICATIONS

## ANSI Z87.1-2010 STANDARDS



### HIGH VELOCITY IMPACT

ESS Eye Pro surpasses the test for high-velocity impact protection as defined by The American National Standards Institute (ANSI). Per ANSI Z87.1, a quarter-inch steel shot to 102 miles per hour at a lens straight on from three different heights, and at seven different angles. To pass the high-velocity test, no contact between the lens and eye is permitted during impact. In addition, no frame parts or lens fragments may be ejected during impact.

### HIGH MASS IMPACT

ESS Eye Pro also surpasses the protection requirements for high-mass impact. Within ANSI Z87.1, the high-mass impact test requires that the lens be hit by a 500-gram metal spike (over a pound of weight) dropped from a height of 51.2 inches (over four feet). To pass the test, no frame parts or lens fragments may be ejected during impact.

**WHAT HAPPENS TO ANSI RATED EYE PRO WHEN IT IS TESTED TO THE MIL-SPEC STANDARD?  
SEE THE VIDEO AT ESS'S YOUTUBE CHANNEL: [www.youtube.com/ESSEyePro](http://www.youtube.com/ESSEyePro)**



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## U.S. MIL SPEC MIL-PRF-32432 STANDARDS

### Chisel Tip Projectiles used in MIL SPEC testing.



#### SPECTACLES STANDARD

.15 caliber (at 640-660 ft/sec)

#### GOGGLES STANDARD

.22 caliber (at 550-560 ft/sec)

### U.S. MIL SPEC MIL-PRF-32432

ESS Eye Pro surpasses the safety and ballistic testing standards found in MIL-PRF-32432.

The U.S. military standard requires that ballistic eyewear must be able to withstand up to a .15 caliber at 640-660 ft/sec for spectacles and .22 caliber at 550-560 ft/sec for goggles.

## The ESS Mission: A Passion Fueled by Duty

*At ESS, our unyielding passion is to make the toughest eyewear in the world. Not because it's our job, but because it's our duty – a duty inspired by those we serve: military personnel, first responders, and other everyday heroes. Those who rely on ESS can't settle for less, so we can't either. We provide superior fit, form, and function so our tough customers can stay safe and be brave: on or off duty, beyond risk and on to adventure.*

*ESS innovation is born from intense listening to elite warriors. We dissect their challenges, then roll up our sleeves to create real-life solutions that work under duress. The end result is battle-proven eye pro with a track record of peak performance in the most hostile environments. The entire line of ESS ballistic-grade eye pro is engineered to meet or exceed the most stringent U.S. Military and ANSI Z87.1-2010 specifications.*

**THE US MILITARY STANDARD IS OVER 6 TIMES THE KINETIC ENERGY LEVEL OF ANSI Z87.1 TESTING STANDARD. ESS EYE PRO EXCEEDS U.S. MILITARY STANDARDS.**

#### MIL-SPEC TESTING RANGE



#### ESS CROSSBOW EYESHIELD



ESS Crossbow  
U.S. MIL SPEC Rated  
653 Feet Per Second

#### ESS CROSSBOW EYESHIELD



# ESS OPTICAL CLARITY

## ESS SURPASSES ANSI STANDARDS FOR OPTICS

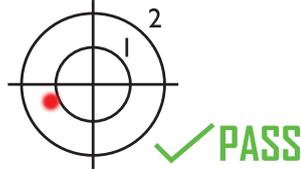
### PRISMATIC POWER ANSI Z87.1 OPTICS TEST #7.4.3.2

Prismatic Power is the measurement of how much light bends through a lens. The effect of excessive prism is that objects viewed through a lens aren't actually where they appear to be. The test also measures the prism imbalance in the left and right sides of the lens, which causes the eyes to fatigue as they work to overcome the artificial "double vision" induced by an unbalanced lens.

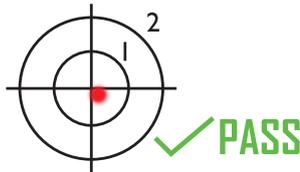
#### NON-COMPLIANT OPTICS



#### ANSI Z87.1 STANDARD



#### ESS STANDARD

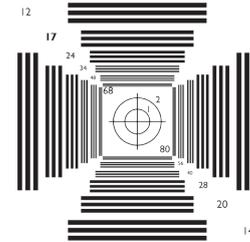


A laser fixture is set up 30 feet from the NBS target and is fired through each lens at the target. The better the optics, the less bending of the laser beam is observed; a lens without induced prism will allow the laser's path to continue directly at the center of the NBS target. Bear in mind when viewing the amount of prism that the effects of the distortion are more significant at distances greater than 30 feet.

### REFRACTIVE POWER: ANSI Z87.1 OPTICS TEST #7.4.3.3

Lens refraction is a measure of what many people refer to as distortion or blurriness. The ANSI Z87.1 Refractive Power test requirements allow for a moderate amount of refraction in a safety lens. The lines in the NBS Definition Pattern are used to measure this lens characteristic.

#### NBS DEFINITION PATTERN



#### NON-COMPLIANT OPTICS



ESS lenses are held to a higher level of performance than the ANSI Z87.1 minimum refractive power standard, which is why objects look clearer through ESS lenses.

#### ANSI Z87.1 STANDARD



#### ESS STANDARD





SUPERIOR OPTICAL CLARITY IS NOT OPTIONAL. IT IS ESSENTIAL.

# LENS CHART

## (VLT) - VISIBLE LIGHT TRANSMITTANCE

Visible Light Transmittance (VLT) represents the percentage of light that passes through a lens. For example, a lens with a VLT of 23 admits 23% of visible (non-UV) light, filtering out the remaining 77%. The lower the VLT, the darker the lens. Regardless of VLT, all ESS lenses provide 100% UVA/UVB protection.



### CLEAR

**VLT: 90**

*For use indoors or at night. Has no influence on contrast or color.*



### PHOTOCHROMIC

**VLT: 86-24**

*Lens with Light Adapting Technology for all light conditions - Lens goes from dark gray to clear*



### HI-DEF YELLOW

**VLT: 85**

*For flat to very low light. A high-contrast lens that helps bring out definition.*



### HI-DEF BRONZE

**VLT: 62**

*For flat to low light. Filters blue light to boost contrast & enhance depth perception in overcast or shaded conditions.*



### HI-DEF COPPER

**VLT: 32**

*For flat to medium light. Improves contrast & depth perception of blues & greens.*



### MIRRORED COPPER

**VLT: 23**

*For flat to bright light. Improves contrast & depth perception of blues & greens, while reflecting glare.*



### SMOKE GRAY

**VLT: 15**

*For medium to bright light. An all-purpose daytime lens with unbiased influence on color*



### POLARIZED GRAY

**VLT: 15**

*For extremely bright light & reflective surfaces. Is the most effective at cutting glare, has unbiased influence on color.*



### MIRRORED SILVER

**VLT: 14**

*For medium to extremely bright light. Similar to Mirrored Gray, but with a heavier mirrored finish.*



### MIRRORED BLUE

**VLT: 13**

*For medium to extremely bright light. Similar to Mirrored Silver, but with a reflective blue mirrored finish.*



### MIRRORED GRAY

**VLT: 12**

*For medium to extremely bright light. An all-purpose lens that reflects glare with unbiased influence on color.*



### POLARIZED MIRRORED BLUE

**VLT: 11**

*For extremely bright light & reflective surfaces. Polarized reflective blue mirrored finish.*



### POLARIZED MIRRORED GRAY

**VLT: 9**

*For intense, blinding sun & reflective surfaces. Is the most effective at cutting glare, has unbiased influence on color.*

# POLARIZED LENSES

## HIGH-IMPACT ANSI Z87.1+ POLARIZED SUNGLASSES & EYESHIELDS

In bright, high-glare environments, trust your eyes to high-impact Polarized protection. ESS Polarized lenses reduce eye strain by cutting glare from reflective surfaces, such as water, roads and glass.



**Crossbow® Polarized**



**Rollbar™ Polarized**



**5B™ Polarized**



**5B™ Reaper Woods  
Polarized**



**CDI™ Polarized**

All ESS Eye Pro Exceeds: ANSI Z87.1 – 2010, U.S. MIL SPEC MIL-PRF-32432, OSHA & CE EN166 except Polarized products which meet ANSI Z87.1-2010 (Impact) & OSHA.

# CROWBAR™ **NEW**

SMALL-TO-MEDIUM FIT, HIGH-IMPACT SUNGLASS WITH INTERCHANGEABLE LENSES



### Frame Design

Frameless bottom provides increased field of view

## KEY FEATURES

**FRAME COLORS:** Black 

**LENSES:** 2.2mm high-impact Polycarbonate • 100% UVA/UVB protection  
ESS ToughZone™ anti-scratch lens coating • Distortion-Free ESSOPTICS™

**AVAILABLE LENS COLORS:**       

Clear, Smoke Gray, Polarized Mirrored Gray, Mirrored Gray,  
Mirrored Copper, Hi-Def Bronze, & Hi-Def Yellow

### ESS CROWBAR™ EYE PRO MEETS OR EXCEEDS:

ANSI Z87.1 – 2010, U.S. MIL SPEC MIL-PRF-32432, OSHA & CE EN166  
Except Polarized products which only meet ANSI Z87.1-2010 (Impact) & OSHA.

**STANDARD KIT INCLUDES:** Crowbar™ frame, Clear & Smoke Gray High-Impact Lenses,  
Elastic Retention Strap, Microfiber Cleaning Pouch & Zippered Hard Case

## PRODUCT DESCRIPTION

Meet the lightweight and durable **Crowbar™** interchangeable-lens sunglass from ESS. Featuring a frameless bottom lens design and innovative Lens Gate™ that makes lens exchanges quicker and field of view greater than ever. The military-grade polycarbonate lens material delivers crisp optics, plus a broad range of ballistic protection. A light and balanced fit that won't interfere with hats, helmets, hearing pro or comms gear makes the Crowbar possibly the most versatile ESS sunglass ever created. Small-to-Medium Fit

# ROLLBAR™

UNIVERSAL-FIT, HIGH-IMPACT SUNGLASS WITH INTERCHANGEABLE LENSES



### Rapid Lens Exchange

The Rollbar's Lens Gate allows lenses to be swapped out swiftly and securely.

## KEY FEATURES

**FRAME COLORS:** Black 

**LENSES:** 2.2mm high-impact Polycarbonate • 100% UVA/UVB protection  
ESS ToughZone™ anti-scratch lens coating • Distortion-Free ESSOPTICS™

**AVAILABLE LENS COLORS:**       

Clear\*, Smoke Gray\*, Polarized Mirrored Gray, Mirrored Gray,  
Mirrored Copper, Hi-Def Bronze, & Hi-Def Yellow

### ESS ROLLBAR™ EYE PRO MEETS OR EXCEEDS:

ANSI Z87.1 – 2010, U.S. MIL SPEC MIL-PRF-32432, OSHA & CE EN166  
Except Polarized products which only meet ANSI Z87.1-2010 (Impact) & OSHA.

**APEL KIT INCLUDES:** Rollbar™ frame, Clear & Smoke Gray High-Impact Lenses, Elastic Retention Strap, Microfiber Cleaning Pouch, Anti-Fog Solution & Zippered Hard Case

\*Only Clear & Smoke Gray lenses are authorized for use in the U.S. Military

## PRODUCT DESCRIPTION

Accelerate your eye pro with the **Rollbar™** interchangeable-lens sunglass from ESS. Fly through lens swaps and secure your safety with the auto-locking Rollbar Lens Gate™. Revel in a sleek-yet-rugged design that's built to excel in grueling environments. Count on military-grade polycarbonate to deliver crisp and accurate field of view, plus ANSI Z87+ and MIL SPEC ballistic protection. Leave discomfort in the dust with a universal fit and low-drag temple arms that won't interfere with hats, helmets, hearing pro or comms gear. Universal fit.

# CDI™

MADE  
IN USA



MEDIUM-FIT, HIGH-IMPACT SUNGLASS WITH INTERCHANGEABLE LENSES



## KEY FEATURES

**FRAME COLORS:** Black  Terrain Tan 

**LENSES:** 2.2mm high-impact Polycarbonate • Interchangeable • 100% UVA/UVB protection  
ESS ToughZone™ anti-scratch lens coatings • Distortion-Free ESSOPTICS™

**AVAILABLE LENS COLORS:**       

Clear, Smoke Gray, Mirrored Gray, Hi-Def Yellow, Mirrored Copper, Mirrored Silver & Mirrored Gray Polarized

### ESS CDI™ EYE PRO MEETS OR EXCEEDS:

ANSI Z87.1 – 2010, U.S. MIL SPEC MIL-PRF-31013 (clause 3.5.1.1), OSHA & CE EN166  
Except Polarized products which only meet ANSI Z87.1-2010 (Impact) & OSHA.

**PRESCRIPTION INFO:** CDI™ Rx Inserts\* Available (Pg. 20)

**STANDARD KIT INCLUDES:** CDI™ frame, Clear & Smoke Gray High-Impact Lenses,  
Elastic Retention Strap, Microfiber Cleaning Pouch & Zippered Hard Case

\*Use of Rx inserts renders the CDI sunglass non-compliant with MIL-PRF-31013 & ANSI Z87.1.

**Lateral Exchange System™** allows for rapid interchange of lenses. (Found on CDI & CDI MAX)

## PRODUCT DESCRIPTION

The lightweight, high-impact **CDI™** sunglass is the first of its class. The CDI's interchangeable lenses can be easily swapped for quick adaptation to your environment. No-slip nose pads and temple arms help keep the CDI secure, even when wet. The versatile CDI boasts a full range of accessory lens tints to expand your kit. Medium Fit.

# CDI MAX™

MEDIUM-LARGE FIT, HIGH-IMPACT SUNGLASS WITH INTERCHANGEABLE LENSES



## KEY FEATURES

**FRAME COLORS:** Black  Terrain Tan 

**LENSES:** 2.4mm high-impact Polycarbonate • Interchangeable • 100% UVA/UVB protection  
ESS ToughZone™ anti-scratch lens coatings • Distortion-Free ESSOPTICS™

**AVAILABLE LENS COLORS:**     

Clear, Smoke Gray, Hi-Def Yellow, Hi-Def Copper & Mirrored Silver

**ESS CDI MAX™ EYE PRO MEETS OR EXCEEDS:**

ANSI Z87.1 – 2010, U.S. MIL SPEC MIL-PRF-31013 (clause 3.5.1.1), OSHA & CE EN166

**STANDARD KIT INCLUDES:** CDI MAX™ frame, Clear & Smoke Gray High-Impact Lenses,  
Elastic Retention Strap, Microfiber Cleaning Pouch & Zippered Hard Case

## PRODUCT DESCRIPTION

The **CDI MAX™** is a larger version of the popular CDI™, offering a wider field of view and broader coverage. As with the original CDI, the CDI MAX can adapt to any light environment with the Lateral Exchange System™ and a choice of five available lens tints. CDI MAX's 2.4mm Polycarbonate lenses afford you maximum protection. Medium to Large Fit.

# 5B™

## UNIVERSAL-FIT, HIGH-IMPACT SUNGLASS



### 5B™ Reaper Woods

Polarized Mirrored Blue lenses are available for the 5B sunglass with Reaper Woods Camouflage pattern.



## KEY FEATURES

**FRAME COLORS:** Black  Gray  Reaper Woods Camo 

**LENSES:** 2.2mm high-impact Polycarbonate • 100% UVA/UVB protection  
ESS ToughZone™ anti-scratch lens coatings • Distortion-Free ESSOPTICS™

**AVAILABLE LENS COLORS:**     

Smoke Gray, Mirrored Copper, Mirrored Gray, Polarized Mirrored Gray & Polarized Mirrored Blue

### ESS 5B™ EYE PRO MEETS OR EXCEEDS:

ANSI Z87.1 – 2010, U.S. MIL SPEC MIL-PRF-32432, OSHA & CE EN166  
Except Polarized products which only meet ANSI Z87.1-2010 (Impact) & OSHA.

**PRESCRIPTION INFO:** 5B Rx Lenses Available (Pg. 20)\*

**STANDARD KIT INCLUDES:** 5B™ Sunglass, Microfiber Cleaning Pouch & Zippered Hard Case

\*Use of Rx renders the 5B sunglass non-compliant with MIL-PRF-32432

## PRODUCT DESCRIPTION

The ESS 5B™ is far more than just another sunglass. With ballistic high-impact lenses, universal-fit frames, distortion-free optics and all-day comfort, the 5B™ is the true embodiment of functional, fashionable eye pro. 5B™ lenses are available in a variety of tints, including Polarized & Mirrored. The frame features low-profile temple arms for comfort with over-the-ear hearing protection, hats or helmets. Fixed lenses (non-interchangeable). Universal fit.

**BUILT FOR BATTLE. TOUGH FOR LIFE.™**

# CREDECENCE™

MEDIUM-TO-LARGE FIT, HIGH-IMPACT SUNGLASS



### Credence™ Reaper Woods

Reaper Woods Camouflage pattern is also available for the Medium to Large fitting Credence sunglass with a Smoke Gray lens



## KEY FEATURES

**FRAME COLORS:** Black  Gray  Reaper Woods Camo 

**LENSES:** 2.2mm high-impact Polycarbonate • 100% UVA/UVB protection  
ESS ToughZone™ anti-scratch lens coating • Distortion-Free ESSOPTICS™

**AVAILABLE LENS COLORS:**   

Smoke Gray, Mirrored Copper & Mirrored Blue

### ESS CREDECENCE™ EYE PRO MEETS OR EXCEEDS:

ANSI Z87.1 – 2010, U.S. MIL SPEC MIL-PRF-32432, OSHA & CE EN166

**PRESCRIPTION INFO:** Credence Rx Lenses Available (Pg. 20)\*

**STANDARD KIT INCLUDES:** Credence™ Sunglass, Microfiber Cleaning Pouch & Zippered Hard Case

\*Use of Rx renders the Credence sunglass non-compliant with MIL-PRF-32432

## PRODUCT DESCRIPTION

With **Credence™**, seeing is believing. This sunglass delivers a hefty dose of performance, protection and style. The broad lens wrap of the Credence provides a wide field of view through distortion-free, military-grade polycarbonate. The frame features low-profile temple arms for comfort with over-the-ear hearing protection, hats or helmets. This fixed-lens sunglass is available in a variety of frame colors and lens options, and fits medium-to-large head sizes.

# CROSSBOW® GASKET **NEW**

ADJUSTABLE SEALED FILTRATION



**Crossbow® Gasket Insert**  
Removable Gasket Insert protects against wind, dust and other airborne debris



## KEY FEATURES

**FRAME COLORS:** Black 

**BALLISTIC PROTECTION STANDARDS:** ESS Crossbow® Gasket when paired with the ESS Crossbow® eyeshield meets or exceeds the following Safety & Ballistic Standards: ANSI Z87.1-2010, US MIL SPEC MIL-PRF-32432, OSHA & CE EN166

**KIT INCLUDES:** Crossbow Gasket & Zippered Molle Hard Case

**PRESCRIPTION INFO:** U-Rx™ Insert\* (Pg. 19-20)

\*Crossbow is compatible with U.S. Army UPLC

## PRODUCT DESCRIPTION

The ESS Crossbow® Gasket, airflow management for your Crossbow Eyeshield. The Gasket fits snugly against the wearer's face to create a full seal to protect against wind, dust and other airborne debris. The Gasket insert is easy to install and features two modes: Closed - fully sealed and Open - ventilation mode.

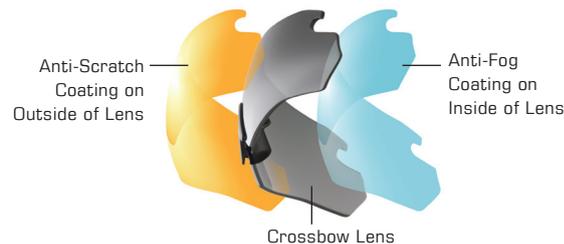
Optimize your efficiency by not having to change between goggles and eyeshields, insert the Gasket onto your Crossbows when you need protection from wind and airborne debris, remove it when you do not. **The ESS Crossbow Gasket is only compatible with the ESS Crossbow Eyeshield, sold separately.**

# CROSSBOW®

ELITE ANTI-FOG EYESHIELD™



## Crossbow ClearZone™ FlowCoated Lenses



## KEY FEATURES

**FRAME COLORS:** Black  Terrain Tan 

**LENSES:** 2.4mm high-impact Polycarbonate • Interchangeable • 100% UVA/UVB protection  
ClearZone™ FlowCoat anti-fog & anti-scratch lens coatings • Distortion-Free ESSOPTICS™

**AVAILABLE LENS COLORS:**        

Clear\*, Smoke Gray\*, Hi-Def Yellow, Hi-Def Copper, Hi-Def Bronze, Photochromic,  
Polarized Gray & Laser Protective

## ESS CROSSBOW® EYE PRO MEETS OR EXCEEDS:

ANSI Z87.1 – 2010, U.S. MIL SPEC MIL-PRF-32432, OSHA & CE EN166  
Except Polarized products which only meet ANSI Z87.1-2010 (Impact) & OSHA.

**APEL KIT INCLUDES:** Crossbow Frame, Clear & Smoke Gray Lenses, Microfiber Cleaning Pouch,  
Elastic Retention Strap, UPLC Nosepiece, Anti-Fog Solution & Zippered MOLLE Hard Case

**PRESCRIPTION INFO:** U-Rx™ Insert\*\*, Vice™ Rx Insert (Pg. 19-20)

\*Only Clear, Smoke Gray & LPL lenses are authorized for use in the U.S. Military \*\*Crossbow is compatible with U.S. Army UPLC

## PRODUCT DESCRIPTION

Militaries worldwide rely on the **Crossbow®** as their choice of eye protection due to its remarkable form, fit, and function. Crossbow's many advanced features – such as anti-fog/anti-scratch lens coatings, a light & balanced universal fit, distortion-free ESSOPTICS™, and rapid lens exchange – have raised the bar in eye protection. With multiple kit configurations and many expansion options available, including the Suppressor™ frame and ANSI-rated polarized lenses, it's easy to see why the Crossbow is today's ultimate eye pro. (Universal fit)

# CROSSBOW® PHOTOCROMIC™

THE ANTI-FOG EYESHIELD WITH LIGHT ADAPTING TECHNOLOGY



## PRODUCT DESCRIPTION

The ESS Crossbow® Photochromic™ eyeshield has the same features as the regular Crossbow but with the advantage of Transitions Lens Technology.

## LIGHT-ADAPTING TECHNOLOGY

ESS Photochromic Lenses Adapt Rapidly to Changing Light Conditions

### FAST ADJUSTING TINT CHANGE:

- 50% Activation at 11 seconds
- 90% Activation in less than one minute
- Visible Light Transmission (VLT) Range: 86%-24%

## KEY FEATURES

**FRAME COLOR:** Black 

**LENSES:** 2.4mm high-impact Polycarbonate • Interchangeable • 100% UVA/UVB protection  
ClearZone™ FlowCoat anti-fog & anti-scratch lens coatings • Distortion-Free ESSOPTICS™

**AVAILABLE LENS COLOR:** 

Photochromic - Clear/Gray Light Adapting

### ESS CROSSBOW® PHOTOCROMIC™ EYE PRO MEETS OR EXCEEDS:

ANSI Z87.1 – 2010, U.S. MIL SPEC MIL-PRF-32432 (Impact), OSHA & CE EN166  
Except Polarized products which only meet ANSI Z87.1-2010 (Impact) & OSHA.

**PRESCRIPTION INFO:** U-Rx™ Insert\*, Vice™ Rx Insert (Pg. 19-20)

**STANDARD KIT INCLUDES:** 1 Black Crossbow Frame with Photochromic lens, Hard Case, Microfiber Pouch & Retention Strap

\*Crossbow is compatible with U.S. Army UPLC



# SUPPRESSOR™

OPTIMIZED FOR USE WITH HEARING PROTECTION



## KEY FEATURES

**FRAME COLORS:** Black  Terrain Tan 

**LENSES:** 2.4mm high-impact Polycarbonate • Interchangeable • 100% UVA/UVB protection  
ClearZone™ FlowCoat anti-fog & anti-scratch lens coatings • Distortion-Free ESSOPTICS™

**AVAILABLE LENS COLORS:**        

Clear\*, Smoke Gray\*, Hi-Def Yellow, Hi-Def Copper, Hi-Def Bronze, Photochromic,  
Polarized Gray & Laser Protective\*

### ESS CROSSBOW® SUPPRESSOR™ EYE PRO MEETS OR EXCEEDS:

ANSI Z87.1 – 2010, U.S. MIL SPEC MIL-PRF-32432, OSHA & CE EN166  
Except Polarized products which only meet ANSI Z87.1-2010 (Impact) & OSHA.

**STANDARD KIT INCLUDES:** 1 Crossbow Frame, 1 Crossbow Suppressor Frame, Clear & Smoke  
Gray Lenses, Microfiber Cleaning Pouch, Elastic Retention Strap & Zippered MOLLE Hard Case

**PRESCRIPTION INFO:** U-Rx™ Insert\*\*, Vice™ Rx Insert (Pg. 19-20)

\*Only Clear, Smoke Gray & LPL lenses are authorized for use in the U.S. Military \*\*Crossbow is compatible with U.S. Army UPLC

### Crossbow-Suppressor™ 2X+

Deluxe Kit includes specialized Suppressor™  
Frame, Universal-fit Crossbow® Frame and  
three anti-fog Crossbow® lenses.

## PRODUCT DESCRIPTION

The **Crossbow Suppressor™** is the first spectacle frame designed for use with over-the-ear hearing protection and comms gear. The Suppressor's ultra-thin temple arms help keep noise out and eliminate hot spots by minimizing interference with the padded seal of ear cups. Complete Suppressor™ kits come paired with elite Crossbow® lenses.

# CROSSHAIR™

ESSENTIAL CORE PERFORMANCE™



## KEY FEATURES

**FRAME COLORS:** Black  Terrain Tan 

**LENSES:** 2.4mm high-impact Polycarbonate • Interchangeable • 100% UVA/UVB protection  
ESS ToughZone™ anti-scratch lens coating • Distortion-Free ESSOPTICS™

**AVAILABLE LENS COLORS:**     

Clear\*, Smoke Gray\*, Mirrored Silver, Hi-Def Yellow, & Hi-Def Copper

**ESS CROSSHAIR™ EYE PRO MEETS OR EXCEEDS:**

ANSI Z87.1 – 2010, U.S. MIL SPEC MIL-PRF-32432, OSHA & CE EN166

**APEL KIT INCLUDES:** Crosshair Frame, Clear & Smoke Gray Lenses, Microfiber Cleaning Pouch,  
Elastic Retention Strap, UPLC Nosepiece, Anti-Fog Solution & Zippered MOLLE Hard Case

**PRESCRIPTION INFO:** U-Rx™ Insert\*\*\*, Vice™ Rx Insert (Pg. 19-20)

\*Only Clear & Smoke Gray lenses are authorized for use in the U.S. Military \*\*Crosshair is compatible with U.S. Army UPLC

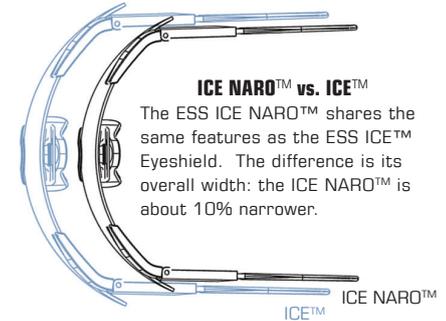
The **Crosshair™ 2X Kit** comes with two complete eyeshields. This is a great starter kit for individuals or departments that want premium eye protection but are on a budget.

## PRODUCT DESCRIPTION

This entry-level eyeshield provides much more than the necessities of eye protection: with a baseline of advanced performance and superb adaptability, the capable **Crosshair™** can also be integrated with any product in the Cross-Series™ eyeshield platform. The Crosshair™ exceeds ANSI Z87.1+ optical standards and U.S. Military impact requirements while providing all-day comfort and a universal fit.

# ICE™ & ICE NARO™

UNLIMITED FIELD OF VIEW EYESHIELDS



## KEY FEATURES

**FRAME COLORS:** Black 

**LENSES:** 2.4mm high-impact Polycarbonate • Interchangeable • 100% UVA/UVB protection  
ESS ToughZone™ anti-scratch lens coating • Distortion-Free ESSOPTICS™

**AVAILABLE LENS COLORS:**    

Clear, Smoke Gray, Hi-Def Yellow & Hi-Def Copper

**ESS ICE™ & ICE NARO™ EYE PRO MEETS OR EXCEEDS:**

ANSI Z87.1 – 2010, U.S. MIL SPEC MIL-PRF-31013 (clause 3.5.1.1), OSHA & CE EN166

**STANDARD KIT INCLUDES:** 2 frames, Clear & Smoke Gray Lenses, No-Fog Cloth,  
Elastic Retention Strap & Zippered Semi-Rigid Case

**PRESCRIPTION INFO:** U-Rx™ Insert\*, Vice™ Rx Insert (Pg. 19-20)

\*ICE and ICE NARO are compatible with U.S. Army UPLC

## PRODUCT DESCRIPTION

ESS **ICE™** and **ICE NARO™** eyeshields offer a unique combination of impact resistance, unrestricted view, and interchangeable lenses for “frameless” eye protection in any light. Reinforced PosiLock™ temples provide a secure and adjustable fit through their pliable earwires and variable-length arms. The ICE NARO is engineered for those with smaller faces. Approximately 10% narrower than the standard ICE, the ICE NARO offers the same ballistic impact protection, adjustable fit and frameless design.

*Note: ICE™ and ICE NARO™ are not part of the Cross-Series.*



# RX LENS CARRIERS

## PROTECTIVE PRESCRIPTION EYEWEAR

Many ESS products are compatible with Rx inserts (U-Rx™ & Vice™), which fit behind your eye pro's primary lenses. To identify Rx insert-compatible products, look for the *Rx Insert Available* symbol (shown above or reference the chart on the next page). Custom Rx Inserts can be filled by ESS through our online ordering process, or by your own optician.\*



### U-RX™ INSERT

The **U-Rx™** Prescription Lens Insert was developed to be the most comprehensive and adaptable Rx solution ever made. This universal Rx carrier is the first to interchange across brands in a wide variety of ESS and Oakley® ballistic eyeshields and goggles. The nylon-frame U-Rx is approved by the U.S. Army and Marine Corps for the new APEL and MCEPS standards. Kit includes two sets of nosepieces and goggle adapters for both ESS and Oakley® products. The U-Rx is compatible with the Oakley® Ballistic M-Frame 2.0 / 3.0 and Oakley® SI Ballistic Goggle.



The U-Rx™ Insert is designed to be used seamlessly with CrossSeries™ Eyeshields and Profile™ NVG Goggle platforms.



### VICE™ RX INSERT

The wire & monofilament-framed **Vice™** Rx Lens Insert snaps into a Crossbow®, Crosshair™, Suppressor™, ICE™, or ICE NARO™ eyeshield for a low-profile, lightweight prescription integration. This allows one prescription carrier to work in multiple products. The Vice™ can be filled by ESS' skilled optometrists and includes a Vice™ Rx eyeshield nosepiece.

*\*If not using ESS Rx Filling Service, ESS strongly recommends the use of Polycarbonate lenses in prescription inserts. Rx filling should always be done in an ANSI-compliant lab. Range of prescription inserts may vary based on the filling service you use.*



# RX SUNGLASSES

CUSTOMIZABLE PRESCRIPTION SUNGLASSES



## CDI™ RX INSERTS

The interchangeable nylon-framed CDI™ Rx Inserts\*\* slide into the CDI frame just like any other CDI lens.

*\*\* Use of Rx inserts renders the CDI sunglass non-compliant with MIL-PRF-32432 & ANSI Z87.1.*



## 5B™ & CREDENCE™ RX

Designed to provide superior impact protection without interfering with your other gear, the fixed-lens (non-interchangeable) Credence™ & 5B™ sunglasses are available in a variety of frame colors and lens options. Available exclusively at [www.esseyepro.com](http://www.esseyepro.com).

**ESS Rx Filling Service is available at [www.esseyepro.com/rx](http://www.esseyepro.com/rx)**

### ESS Prescription Eyewear Compatibility Matrix

Rx Compatibility		Influx Goggles	Profile Series Profile NVG Profile TurboFan Profile Pivot Flight Pro	FirePro Series FirePro 1971 FirePro 1977	CrossSeries Crossbow Suppressor Crosshair	Crossbow Gasket	ICE Series ICE ICE NARO	CDI Sunglasses CDI	Sunglasses 5B Credence
Model	Rx Range								
U-Rx Rx Insert	+11/-11		●	●	●	●	●		
Vice Rx Insert	+6/-6				●		●		
CDI Rx Inserts	+5.5/-6							●	
Rx-Ready Sunglasses	{Varies}								●
U.S. Army UPLC		●	●	●	●	●	●		



# Influx™

AVS™ GOGGLE

## ADJUSTABLE VENTILATION SYSTEM (AVS)™

LENS PIVOTS OPEN TO CREATE AIRFLOW  
& CLICKS SHUT TO SEAL GOGGLE

### ESS Influx™ Engineering:

- > The Anti-Fog Goggle: Patented Rotoclip™ allows lens to open & close for ventilation & fully-sealed filtration
- > State-of-the-art ballistic goggle meets or exceeds MIL-PRF-32432 and ANSI Z87.1+
- > Rapid lens exchange

THE INFLUX™ GOGGLE  
ANY ENVIRONMENT  
ANY SITUATION



# INFLUX™ GOGGLE **NEW**

ANTI-FOG GOGGLE WITH ADJUSTABLE VENTILATION SYSTEM (AVS)™



## KEY FEATURES

**FRAME COLORS:** Terrain Tan  Black  Foliage Green 

**LENSES:** 3 mm high-impact Polycarbonate • Interchangeable • 100% UVA/UVB protection  
ESS ToughZone™ anti-scratch lens coating • Distortion-Free ESSOPTICS™

**AVAILABLE LENS COLORS:** Clear  Smoke Gray 

**ESS INFLUX™ EYE PRO MEETS OR EXCEEDS:**

ANSI Z87.1 – 2010, U.S. MIL SPEC MIL-PRF-32432, OSHA & CE EN166

**APEL KIT INCLUDES:** Influx Goggle Frame, Clear & Smoke Gray Lenses, Anti-Reflective Speedsleeve, UPLC Nosepiece Adapter, Anti-Fog Solution & MOLLE Compatible Case

**PRESCRIPTION INFO:** See page 19 & 20 - Influx goggles are compatible with the U.S. Army UPLC

## PRODUCT DESCRIPTION

By virtually eliminating lens fogging, the ESS Influx™ military goggle allows troops to maintain full situational awareness in dynamic tactical environments. As part of the goggle's patented Adjustable Ventilation System™ (AVS™), the Influx RotoClip™ silently pivots the position of the lens inside the goggle frame: choose either a dust-free, fully-sealed mode, or a fog-free, open-ventilation mode. With Influx™, troops can always see clearly and act fast when seconds count.

# PROFILE NVG™

THE WORLD'S MOST WIDELY-ISSUED MILITARY GOGGLE



## KEY FEATURES

**FRAME COLORS:** Black  Terrain Tan  Foliage Green 

**LENSES:** 2.4mm high-impact Polycarbonate • Interchangeable • 100% UVA/UVB protection  
ESS ToughZone™ anti-scratch lens coating • Distortion-Free ESSOPTICS™

**AVAILABLE LENS COLORS:**     

Clear\*, Smoke Gray\*, Hi-Def Yellow, Hi-Def Bronze & Laser Protective\*

**ESS PROFILE NVG™ EYE PRO MEETS OR EXCEEDS:**

ANSI Z87.1 – 2010, U.S. MIL SPEC MIL-PRF-32432, OSHA & CE EN166

**APEL KIT INCLUDES:** Profile NVG Goggle Frame, Clear & Smoke Gray Lenses, Anti-Reflective Speedsleeve, UPLC Nosepiece Adapter, Anti-Fog Solution & MOLLE Compatible Case

**PRESCRIPTION INFO:** U-Rx™ Insert\*\* (Pg. 19-20)

## PRODUCT DESCRIPTION

The patented ESS **Profile NVG™** is a compact military/tactical goggle system with no compromises. The goggle's full-perimeter ventilation and filtration system minimizes lens fogging and filters airborne particles, dust and splashes. Advanced ClearZone™ FlowCoat lenses provide an optimal combination of anti-scratch coatings on the outside of the lens and anti-fog coatings on the inside. Battle tested in the most demanding theaters, the ESS Profile NVG™ is a low-profile, night-vision-compatible goggle authorized and issued by the U.S. Army, USMC, USAF, and numerous NATO governments.

\*Only Clear, Smoke Gray & LPL lenses are authorized for use in the U.S. Military \*\*Profile Goggles are compatible with U.S. Army UPLC

# PROFILE PIVOT™

OPS CORE® ARC™ RAIL & ACH/MICH GOGGLE STRAP SYSTEMS



## KEY FEATURES

**FRAME COLORS:** Gray  Terrain Tan 

**LENSES:** 2.4mm high-impact Polycarbonate • Interchangeable • 100% UVA/UVB protection  
ESS ToughZone™ anti-scratch lens coating • Distortion-Free ESSOPTICS™

**AVAILABLE LENS COLORS:**     

Clear\*, Smoke Gray\*, Hi-Def Yellow, Hi-Def Bronze & Laser Protective\*

**ESS PROFILE PIVOT™ EYE PRO MEETS OR EXCEEDS:**

ANSI Z87.1 – 2010, U.S. MIL SPEC MIL-PRF-32432, OSHA & CE EN166

**STANDARD KIT INCLUDES:** Profile Pivot Goggle Frame, Clear & Smoke Gray Lenses,  
Microfiber Cleaning Pouch, Mounting Brackets for Ops Core ARC™ Rail System

**PRESCRIPTION INFO:** U-Rx™ Insert\*\* (Pg. 19-20)

**Profile Pivot™ for Ops Core® ARC™**

Allows for rapid wearing or stowing of goggle on a lightweight tactical helmet.

## PRODUCT DESCRIPTION

ESS **Profile Pivot™** goggles and kits attach to all sizes of ACH/MICH, or other helmets equipped with an Ops Core® ARC™ Rail System. The Profile Pivot™ system is engineered with two pivoting adjustable side-straps that can be rapidly-affixed in the field while wearing helmet and gloves. Once mounted to its helmet-posts, the secured Profile Pivot goggle can be repositioned or removed as needed. Advantages include; easy donning and doffing, multiple secure stowage options, and rapid strap adjustment.

\*Only Clear, Smoke Gray & LPL lenses are authorized for use in the U.S. Military \*\*Profile Goggles are compatible with U.S. Army UPLC

# PROFILE TURBOFAN™

LOW-PROFILE FAN-POWERED ANTI-FOG GOGGLE



**Improved TurboFan Blade Geometry** is up to 5x more efficient than the original design. It draws fresh air in through the goggle bottom and forces humid air out the top at up to 13,000 rpm.

## KEY FEATURES

**FRAME COLORS:** Black 

**LENSES:** 2.4mm high-impact Polycarbonate • Interchangeable • 100% UVA/UVB protection  
ESS ToughZone™ anti-scratch lens coating • Distortion-Free ESSOPTICS™

**AVAILABLE LENS COLORS:**     

Clear\*, Smoke Gray\*, Hi-Def Yellow, Hi-Def Bronze & Laser Protective\*

**ESS PROFILE TURBOFAN™ EYE PRO MEETS OR EXCEEDS:**

ANSI Z87.1 – 2010, U.S. MIL SPEC MIL-PRF-32432, OSHA & CE EN166

**STANDARD KIT INCLUDES:** Profile Turbofan Goggle Frame, Clear & Smoke Gray Lenses, Anti-Reflective Speedsleeve, AA Battery & Protective Soft Case

**PRESCRIPTION INFO:** U-Rx™ Insert\*\*, Vice™ Rx Insert (Pg. 19-20)

## PRODUCT DESCRIPTION

The ESS **TurboFan™** series provides the best weapon available for keeping your vision clear during situations where perspiration or temperatures are extreme. The built-in fan blows humidity out of the goggle at 13,000 rpm to eliminate lens fogging. Enhanced battery life runs for up to 150 hours on a single AA battery at low speed. "Auto-off" electronics maximize battery life and prevent accidental battery drain.

\*Only Clear, Smoke Gray & LPL lenses are authorized for use in the U.S. Military \*\*Profile TurboFan Goggles are compatible with U.S. Army UPLC

**BUILT FOR BATTLE. TOUGH FOR LIFE.™**

# LAND OPS™ & TACTICAL XT™

HIGH-IMPACT BALLISTIC GOGGLE FOR USE OVER PRESCRIPTION EYEWEAR



## ESS Tactical XT™

Is a non-APEL, economical high-performance goggle with all the core performance features of the ESS Striker™ Series, without the accessories.

## KEY FEATURES

**FRAME COLORS:** Terrain Tan  Foliage Green  Black (Tactical XT) 

**LENSES:** 2.4mm high-impact Polycarbonate • Interchangeable • 100% UVA/UVB protection  
ESS ToughZone™ anti-scratch lens coating • Distortion-Free ESSOPTICS™

**AVAILABLE LENS COLORS:** Clear  Smoke Gray  Hi-Def Yellow 

### ESS LAND OPS™ EYE PRO MEETS OR EXCEEDS:

ANSI Z87.1 – 2010, U.S. MIL SPEC MIL-PRF-32432, OSHA & CE EN166

**STANDARD KIT INCLUDES:** Land Ops Goggle Frame, Clear & Smoke Gray Lenses,  
Anti-Reflective Speedsleeve & Protective Soft Case

**PRESCRIPTION INFO:** Goggle fits over most Rx eyewear

\*Only Clear, Smoke Gray & LPL lenses are authorized for use in the U.S. Military

## PRODUCT DESCRIPTION

The ESS Land Ops™ provides high-performance eye protection and exceptional fog resistance for active ground troops. The ESS Land Ops™ is one of the only goggles authorized by the U.S. Army for use over prescription eyewear.

The ESS Land Ops™ features closed-cell face padding for superior durability, easy of cleaning and long-lasting comfort. Full-perimeter Hi-Flow™ ventilation & filtration system permits airflow while filtering out airborne particles, air blasts, and splashes. Fits over-the-glass with most Rx eyewear.



# FLIGHT PRO™

LOW-PROFILE GOGGLE APPROVED FOR USE ON U.S. NAVY FLIGHT DECKS



### Speed-Clip™ Strap System

Patented system provides quick strap adjustment & optimized fit with cranial helmets

## KEY FEATURES

**FRAME COLORS:** Gray 

**LENSES:** 2.4mm high-impact Polycarbonate • Interchangeable • 100% UVA/UVB protection  
ESS ToughZone™ anti-scratch lens coating • Distortion-Free ESSOPTICS™

**AVAILABLE LENS COLORS:**     

Clear\*, Smoke Gray\*, Hi-Def Yellow, Hi-Def Bronze & Laser Protective\*

### ESS FLIGHT PRO™ EYE PRO MEETS OR EXCEEDS:

ANSI Z87.1 – 2010, U.S. MIL SPEC MIL-PRF-32432, OSHA & CE EN166

**STANDARD KIT INCLUDES:** Flight Pro Goggle Frame with Clear & Smoke Gray Lenses

**PRESCRIPTION INFO:** U-Rx™ Insert\*\* (Pg. 19-20)

\*Only Clear, Smoke Gray & LPL lenses are authorized for use in the U.S. Military \*\*Flight Pro Goggles are compatible with U.S. Army UPLC

## PRODUCT DESCRIPTION

The ESS **Flight Pro™** is a low-profile goggle approved for use on U.S. Navy flight decks. Based on the ESS Profile NVG™ goggle, it has all the advantages of a low-profile, night-vision-compatible frame. Advanced ClearZone™ FlowCoat lenses provide an optimal combination of anti-scratch coatings on the outside of the lens and anti-fog coatings on the inside. A full-perimeter, Low-Flow™ ventilation and filtration system ventilates humid air while filtering airborne particles, air blasts and splashes. Ideal for cranial helmets, the Flight Pro™ features ESS' patented Speed-Clip™ system, which provides quick adjustment of the high-memory elastic strap, even when wearing gloves.

# FLIGHT DECK™

THE FIRST COMMERCIAL GOGGLE AUTHORIZED FOR USE ON U.S. NAVY FLIGHT DECKS



### Speed-Clip™ Strap System

Patented system provides quick strap adjustment & optimized fit with cranial helmets

## KEY FEATURES

**FRAME COLORS:** Gray 

**LENSES:** 2.4mm high-impact Polycarbonate • Interchangeable • 100% UVA/UVB protection  
ESS ToughZone™ anti-scratch lens coating • Distortion-Free ESSOPTICS™

**AVAILABLE LENS COLORS:** Clear  Smoke Gray  Hi-Def Yellow 

### ESS FLIGHT DECK™ EYE PRO MEETS OR EXCEEDS:

ANSI Z87.1 – 2010, U.S. MIL SPEC MIL-PRF-32432, OSHA & CE EN166

**STANDARD KIT INCLUDES:** Flight Deck Goggle Frame with Clear & Smoke Gray Lenses

**PRESCRIPTION INFO:** Goggle fits over most Rx eyewear

## PRODUCT DESCRIPTION

The ESS **Flight Deck** is the only commercial goggle authorized by the U.S. Navy for use on flight decks, and is standard issue for the Australian Navy. The 26mm-wide, high-memory elastic strap features ESS' patented Speed-Clip™ system, which provides quick strap adjustment and is ideal for cranial helmets. The full-perimeter, Low-Flow™ ventilation and filtration system ventilates humid air while filtering airborne particles, air blasts and splashes. The roomy Striker™ frame fits over most eyeglasses.

# FIREPRO-1971™

U.S. MILITARY'S #1 GOGGLE REENGINEERED FOR FIREFIGHTING



## FirePro-1971™

Is compatible with the U-Rx™ Prescription Lens Insert see page 19 & 20 for more details.

## KEY FEATURES

**FRAME COLORS:** Gray 

**LENSES:** 2.4mm high-impact Polycarbonate • Interchangeable • 100% UVA/UVB protection  
ESS ToughZone™ anti-scratch lens coating • Distortion-Free ESSOPTICS™

**AVAILABLE LENS COLORS:** Clear 

**ESS FIREPRO-1971™ EYE PRO MEETS OR EXCEEDS:**

NFPA 1971, 2013 Edition • ANSI Z87.1-2010 • U.S. Federal OSHA

**PRESCRIPTION INFO:** U-Rx™ Insert\* (Pg. 19-20)

\*FirePro Goggles are compatible with U.S. Army UPLC

## PRODUCT DESCRIPTION

With low-profile frames and anti-fog lenses, ESS **FirePro-1971™** structural firefighting goggles are the most advanced on the market. This goggle series is certified as compliant with NFPA 1971-2013 Edition, including the 5-minute, 500°F oven test and is considered Primary Eye Protection by NFPA 1500. All components of ESS FirePro-1971™ goggles are heat and flame resistant. The FirePro- 1971™ also features the same mounting systems as the Innerzone™ making the system cross-compatible.

# INNERZONE™

NFPA-1971 COMPLIANT STRUCTURAL GOGGLE



## Innerzone-2™

Features 2 Piece Strap w/ Snap-On/Snap-Off mounting brackets, no drilling required. Goggles can be stowed on front or back of helmet, or quickly removed.

## Innerzone-1™

Features 2 Piece Strap w/ Thumb-Screw Mounting brackets, no drilling required. Goggles can be stowed on front or back of helmet, or quickly removed.

## KEY FEATURES

**FRAME COLORS:** Gray 

**LENSES:** 2.4mm high-impact Polycarbonate • Interchangeable • 100% UVA/UVB protection  
ESS ToughZone™ anti-scratch lens coating • Distortion-Free ESSOPTICS™

**AVAILABLE LENS COLORS:** Clear 

**ESS INNERZONE™ EYE PRO MEETS OR EXCEEDS:**

NFPA 1971, 2013 Edition • ANSI Z87.1-2010 • U.S. Federal OSHA

**PRESCRIPTION INFO:** Goggle fits over most Rx eyewear

## PRODUCT DESCRIPTION

The **Innerzone™** Structural goggles can be worn alone, on a helmet, or in conjunction with faceshields or flip-downs. The patented Speed-Clip™ strap system facilitates quick strap adjustment, even with gloves on. The Innerzone™ is compliant with U.S. Federal OSHA, ANSI Z87.1+, and NFPA 1971-2013, including the 500°F for 5-minute oven test. The Innerzone also features the same mounting systems as the FirePro-1971™ making the system upgradeable and cross-compatible.

# FIREPRO-1977™

LOW-PROFILE ANSI-COMPLIANT GOGGLE FOR WILDLAND FIREFIGHTING



## FirePro-1977™

Is compatible with the U-Rx™ Prescription Lens Insert see page 19 & 20 for more details.

## KEY FEATURES

**FRAME COLORS:** Gray 

**LENSES:** 2.4mm high-impact Polycarbonate • Interchangeable • 100% UVA/UVB protection  
ESS ToughZone™ anti-scratch lens coating • Distortion-Free ESSOPTICS™

**AVAILABLE LENS COLORS:** Clear 

**ESS FIREPRO-1977™ EYE PRO MEETS OR EXCEEDS:**

NFPA 1977-2011 Edition, ANSI Z87.1-2010, U.S. Federal OSHA, CE EN 166

**PRESCRIPTION INFO:** U-Rx™ Insert (Pg. 19-20)

\*FirePro Goggles are compatible with U.S. Army UPLC

## PRODUCT DESCRIPTION

The ESS **FirePro-1977™** goggle series features a low-profile design that prevents helmet interference and increases peripheral vision. The patented Speed-Clip™ system facilitates quick strap adjustment, even with gloves on. All goggle components are heat and flame resistant, including the durable OpFoam™ face padding. All ESS FirePro-1977™ Goggles are certified as compliant with NFPA 1977-2011 Edition, including the 350°F for 5-minute oven test. Tear-Off Lens Covers are available as accessories.

# STRIKETEAM™ SERIES

ANSI-COMPLIANT GOGGLE FOR USE OVER PRESCRIPTION EYEWEAR



## X-Tricator™

Snap-On/Snap-Off™ helmet mounting system, allows the X-Tricator™ to be stored in a pocket when not in use, then deployed in seconds.



## KEY FEATURES

**FRAME COLORS:** Gray 

**LENSES:** 2.4mm high-impact Polycarbonate • Interchangeable • 100% UVA/UVB protection  
ESS ToughZone™ anti-scratch lens coating • Distortion-Free ESSOPTICS™

**AVAILABLE LENS COLORS:** Clear 

**ESS STRIKETEAM™ EYE PRO MEETS OR EXCEEDS:**

NFPA 1500 • ANSI Z87.1-2010 • U.S. Federal OSHA

**PRESCRIPTION INFO:** Goggle fits over most Rx eyewear

## PRODUCT DESCRIPTION

The ESS Striketeam™ Series is a high-performance goggle line intended for Wildland Firefighting, Rescue, and EMS applications. All Striketeam™ models offer the highest level of comfort, optical clarity and impact protection. All goggle components are heat and flame resistant, including the face padding and vent foam. The patented Speed-Clip™ system adapts to all wildland and rescue helmets and facilitates quick strap adjustment, even with gloves on.

# ESS U.S. NSN LIST

Product Description	Model #	U.S. NSN #	
<b>Crossbow Spectacles (Universal Fit)</b>			
Crossbow: Eyeshield w/ Clear & Gray Lenses, UPLC Nosepiece & MOLLE Case	740-0607	4240-01-630-8327	
Crossbow Replacement Lens: Single-Pack Clear	740-0486	4240-01-587-7512	
Crossbow Replacement Lens: Single-Pack Smoke Gray	740-0487	4240-01-587-7516	
Crossbow Replacement Lenses: 10-Pack Clear	740-0421	4240-01-583-5748	
Crossbow Replacement Lenses: 10-Pack Smoke Gray	740-0420	4240-01-583-5786	
Crossbow Replacement Frame: Black	740-0446	4240-01-583-5973	
Crossbow Replacement Nose Piece	740-0473	NSN- TBD	
Crossbow MOLLE Replacement Case	740-0445	4240-01-583-5969	

## Crosshair Spectacles (Universal Fit)

Crosshair: Eyeshield w/ Clear & Gray Lenses, UPLC Nosepiece & MOLLE Case	EE9014-11	4240-01-630-6352	
Crosshair Replacement Lens: Single-Pack Clear	740-0479	4240-01-632-5140	
Crosshair Replacement Lens: Single-Pack Smoke Gray	740-0480	4240-01-632-5144	
Crosshair Replacement Lenses: 10-Pack Clear	740-0482	4240-01-632-5857	
Crosshair Replacement Lenses: 10-Pack Smoke Gray	740-0483	4240-01-632-5864	
Crosshair Replacement Frame: Black	600-791-002	4240-01-632-5130	
Crosshair Replacement Nose Piece	101-307-001	4240-01-633-4210	
Crosshair MOLLE Replacement Case	101-295-001	4240-01-633-3562	

## Rollbar Spectacles (Universal Fit)

Rollbar Unit Issue: Spectacle w/ Clear & Gray Lenses & MOLLE Case	EE9018-01	4240-01-630-8249	
Rollbar Replacement Lenses: Single-Pack Clear	740-0599	4240-01-632-5147	
Rollbar Replacement Lenses: Single-Pack Smoke Gray	740-0600	4240-01-632-5164	
Rollbar Replacement Lenses: 10-Pack Clear	101-286-002	4240-01-632-5867	
Rollbar Replacement Lenses: 10-Pack Smoke Gray	101-286-001	4240-01-632-5874	
Rollbar Replacement Frame: Black	600-915-002	4240-01-632-8150	
Rollbar Replacement Case	200-236-001	4240-01-633-3547	

Products shown with this symbol  are included on the U.S. Army APEL

## ICE Spectacles (Regular Size)

Product Description	Model #	U.S. NSN #
ICE-2X: Dual-Eyeshield Premium Kit w/ Clear & Smoke Gray Lenses	740-0004	4240-01-554-5699
ICE Replacement Lenses: 50-Pack Clear	740-0072	4240-01-525-4819
ICE Replacement Lenses: 50-Pack Smoke Gray	740-0087	4240-01-525-5098
ICE Replacement Frame & Nosepiece Kit: Black	740-0082	4240-01-525-5095

## ICE NARO Spectacles (Regular Size)

ICE-2X NARO: Dual-Eyeshield Premium Kit w/ Clear & Smoke Gray Lenses	740-0002	4240-01-554-5696
ICE NARO Replacement Lenses: 50-Pack Clear	740-0075	4240-01-549-0863
ICE NARO Replacement Lenses: 50-Pack Smoke Gray	740-0076	4240-01-549-0876
ICE NARO Replacement Frame & Nosepiece Kit: Black	740-0083	4240-01-549-0934

## Rx Inserts & Other Accessories

UPLC Adapter, Influx goggle	100-947-001	4240-01-633-4301	
UPLC Adapter, Profile NVG Goggle	100-794-001	4240-01-630-2562	
UPLC Nosepiece, Crossbow & Crosshair	740-0596	4240-01-630-2574	
U-Rx Universal Insert (For Profile, Crossbow, ICE & ICE NARO): Nylon Frame	740-0411	6540-01-584-0170	
U-Rx Universal Insert (For Profile, Crossbow, ICE & ICE NARO): 25-Pack	740-0444	6540-01-584-0176	
P-2B Rx Insert (For Profile, Crossbow, ICE & ICE NARO): Nylon Frame	740-0310	6540-01-525-4784	
Goggle (GNRC) TTAN Replacement Bag	101-312-001	4240-01-633-0955	
Microfiber Sunglass Bag	740-0560	4240-01-633-3498	
Replacement Semi-Rigid Case (For ICE & ICE NARO): Black	740-0081	4240-01-518-9838	
Replacement Elastic Retention Strap, Single	740-0565	4240-01-623-2660	
Replacement Elastic Retention Strap, 25-pack	740-0254	4240-01-525-4777	
Anti-fog solution, Single	101-314-001	4240-01-633-0950	
ClearZone Anti-Fog Wipes: 25-Pack	740-0209	4240-01-525-5107	

# ESS U.S. NSN LIST

Product Description

## Influx Series Goggles (Universal Fit)

Product Description	Model #	U.S. NSN #	
Influx Goggle w/ UPLC adapter, SpeedSleeve & Case: Tan 499	EE7018-04	4240-01-630-6343	
Influx Series Replacement Lens: Single-Pack Clear	101-289-002	4240-01-632-5230	
Influx Series Replacement Lens: Single-Pack Smoke Gray	101-289-001	4240-01-632-5237	
Influx Series Replacement Lenses: 10-Pack Clear	101-290-002	4240-01-632-6923	
Influx Series Replacement Lenses: 10-Pack Smoke Gray	101-290-001	4240-01-632-6927	
Influx Goggle Replacement Frame: Tan 499	101-301-001	4240-01-632-8181	
Influx Goggle Replacement Strap: Tan 499	101-311-001	4240-01-633-4340	
Influx Goggle Replacement SpeedSleeve : Tan 499	101-310-001	4240-01-633-3513	

## Profile Series Goggles (Universal Fit)

Product Description	Model #	U.S. NSN #	
Profile NVG Goggle w/ UPLC adapter, SpeedSleeve & Case: Tan 499	740-0609	4240-01-630-7259	
Profile NVG Goggle w/ MultiCam SpeedSleeve : OCP	740-0496	4240-01-604-2788	
Profile NVG Goggle w/ SpeedSleeve & Case: Foliage Green	740-0129	4240-01-540-5585	
Profile NVG Goggle w/ SpeedSleeve & Case: Black	740-0124	4240-01-504-6222	
Flight Pro Goggle: Gray	740-0410	1680-01-602-5906	
Profile NVG Replacement Lens: Single-Pack Clear	740-0113	4240-01-587-8420	
Profile NVG Replacement Lens: Single-Pack Smoke Gray	740-0119	4240-01-587-7640	
Profile NVG Replacement Lens: 10-Pack Clear	101-288-002	4240-01-632-6907	
Profile NVG Replacement Lens: 10-Pack Smoke Gray	101-288-001	4240-01-632-6914	
Profile NVG Replacement Frame w/ MultiCam SpeedSleeve: OCP	740-0534	4240-01-604-2791	
Profile NVG Replacement Frame: Tan 499	600-520-002	4240-01-641-7798	
Profile NVG Replacement Frame: Foliage Green	740-0464	4240-01-587-7565	
Profile NVG Replacement Frame: Black	740-0465	4240-01-587-7520	
Profile NVG Tan 499 Replacement Strap	101-308-001	4240-01-633-4339	
Profile NVG Tan 499 Replacement AR Sleeve	101-309-001	4240-01-633-3504	

Products shown with this symbol are included on the U.S. Army APEL

Product Description

## Striker Series Goggles (Universal Fit)

Product Description	Model #	U.S. NSN #	
Land Ops Goggle w/ SpeedSleeve & Case: Tan 499	740-0206	4240-01-540-5580	
Land Ops Goggle w/ SpeedSleeve & Case: Foliage Green	740-0202	4240-01-540-5576	
Vehicle Ops Goggle w/ SpeedSleeve & Case: Black	740-0248	4240-01-525-5101	
Flight Deck Goggle: Gray	740-0197	4240-01-525-4777	
Land Ops Replacement Lens: Single-Pack Clear	740-0192	4240-01-632-5238	
Land Ops Replacement Lens: Single-Pack Smoke Gray	740-0227	4240-01-632-5240	
Land Ops Replacement Lens: 10-Pack Clear	101-287-002	4240-01-632-6934	
Land Ops Replacement Lens: 10-Pack Smoke Gray	101-287-001	4240-01-632-6936	
Striker Series Replacement Lens: 50-Pack Smoke Gray	740-0226	4240-01-492-5725	
Striker Series Replacement Lens: 50-Pack Clear	740-0191	4240-01-492-5722	
Land Ops Replacement Frame w/ Speed Sleeve Tan 499	740-0467	4240-01-633-3347	

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Other Purchasing Info:



# ESS NATO STOCK NUMBER (NSN) LIST

## Product Description

## Model



### Crossbow Spectacles

Crossbow 2LS: Clear, Smoke Gray Lenses & Case	740-0390	4240-01-583-9497	
Crossbow 3LS: Clear, Smoke Gray, Hi-Def Yellow Lenses & Case	740-0387	8465-01-583-9799	
Crossbow Replacement Lenses: 10-Pack Clear	740-0421	4240-01-583-5748	
Crossbow Replacement Lenses: 10-Pack Smoke Gray	740-0420	4240-01-583-5786	
Crossbow Replacement Lens: Single-Pack Hi-Def Yellow	740-0423	4240-01-610-5884	
Crossbow Replacement Lens: Single-Pack Hi-Def Bronze	740-0509	4240-01-610-5886	
Crossbow Rigid MOLLE Replacement Case: Black	740-0445	4240-01-583-5969	
Crossbow Replacement Frame: Black	740-0446	4240-01-583-5973	

### Suppressor Spectacles

Crossbow Suppressor 2X: 1 Suppressor, 1 Crossbow & Case	740-0451	4240-01-594-0564	
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### Crosshair Spectacles

Crosshair 3LS: Black w/ Clear, Smoke Gray, Hi-Def Yellow Lenses & Case	EE9014-05	6930-01-594-0570	
Crosshair 2LS: Black w/ Clear, Smoke Gray Lenses & Case	EE9014-04	6930-01-594-0575	

### ICE Spectacles

ICE-2LS: Clear, Smoke Gray Lenses & Case	740-0015	4240-01-573-1934	
ICE-2X: 2 Frames w/ Clear, Smoke Gray Lenses & Case	740-0004	4240-01-554-5699	
ICE-3LS: Clear, Smoke Gray, Hi-Def Yellow Lenses & Case	740-0019	4240-01-545-7922	
ICE Replacement Lenses: 50-Pack Smoke Gray	740-0087	4240-01-525-5096	
ICE Replacement Lenses: 50-Pack Clear	740-0072	4240-01-525-4819	
ICE Replacement Frame & Nosepiece Kit: Black	740-0082	4240-01-525-5095	

### ICE NARO Spectacles

ICE-2 NARO: Clear, Smoke Gray Lenses & Case	740-0008	4240-01-537-6143	
ICE-3LS NARO: Clear, Smoke Gray, Hi-Def Yellow Lenses & Case	740-0017	4240-01-545-7923	
ICE NARO Replacement Frame & Nosepiece Kit: Black	740-0083	4240-01-549-0934	
Replacement Semi-Rigid Case (For ICE Series): Black	740-0081	4240-01-518-9838	

Products shown with this symbol



are available on NSPA NLSE:

## Product Description

## Model



### Sunglasses

CDI Sunglasses: Clear, Smoke Gray Lenses & Case: Black	740-0296	4240-01-545-7925	
CDI MAX Sunglasses: Clear, Smoke Gray Lenses & Case: Black	740-0297	8465-01-583-9788	

### Profile Series Goggles

Profile NVG w/ SpeedSleeve & Case: Foliage Green	740-0401	4240-01-573-1926	
Profile NVG w/ SpeedSleeve & Case: Black	740-0404	4240-01-573-1936	
Profile NVG w/ SpeedSleeve & Case: Black w/ 3 Lenses	740-0397	8465-01-576-7741	
Asian-Fit Profile NVG w/ SpeedSleeve & Case: Black	740-0123	8465-01-588-5803	
Profile TurboFan Goggle w/ SpeedSleeve & Case: Black	740-0131	4240-01-546-0323	
Profile Series Replacement Lenses: 50-Pack Clear	740-0114	4240-01-504-5641	
Profile Series Replacement Lenses: 50-Pack Smoke Gray	740-0120	4240-01-504-6143	

### Striker Series Goggles

Land Ops Goggle w/ SpeedSleeve & Case: Foliage Green	740-0402	4240-01-573-1930	
Vehicle Ops Goggle w/ SpeedSleeve & Case: Black	740-0403	4240-01-573-1931	
Fight Deck Goggle: Gray	740-0197	4240-01-492-5720	
Striker Series Replacement Lenses: 50-Pack Smoke Gray	740-0226	4240-01-492-5725	
Striker Series Replacement Lenses: 50-Pack Clear	740-0191	4240-01-492-5722	

### Rx Inserts & Other Accessories

U-Rx Universal Insert (For Profile, Cross-Series & ICE Series): Nylon Frame	740-0411	6540-01-584-0170	
U-Rx Universal Inserts (For Profile, Cross-Series & ICE Series): 25-Pack	740-0444	6540-01-584-0176	
P-2B Rx Insert (For Profile, Cross-Series & ICE Series): Nylon Frame	740-0310	6540-01-525-4784	
Vice Rx Insert (For Advancer, Cross-Series & ICE Series): Wire Frame	740-0308	6540-01-545-7927	
Replacement Elastic Straps (For Cross-Series, ICE Series): 25-Pack	740-0254	4240-01-525-4777	
ClearZone Anti-Fog Wipes: 25-Pack	740-0209	4240-01-525-5107	

**ESS PROUDLY  
SUPPORTS:**



Sustaining Member



*"Dear ESS,*

*As a Rifle Platoon Sergeant in Southern Afghanistan, I harped on wearing all Personal Protective Equipment (PPE) while on patrol. My entire platoon was equipped with one of your latest products: the ESS Crossbow. I had no idea this emphasis on PPE would save my vision, and the vision of several of my Soldiers. On 07 July 2012, while conducting dismounted offensive operations my platoon took several casualties as a result of an IED blast. My Weapons Squad Leader received shrapnel wounds to his face, in all areas except those protected by his ESS glasses. Undoubtedly his vision was saved by your clearly superior product. Additionally, on 07 October 2012 I was walking in the lead of our formation, clearing our route to our objective. While kneeling and interrogating a possible IED location, the IED was triggered, and sent the majority of the blast towards my torso and head. Despite the relative proximity to the blast I only received minor facial wounds. I owe my eyesight to your product, as the ESS Crossbows I wore took the majority of sand, shrapnel, and debris. Thank you for protecting my platoon and I, and all other warfighters serving our country."*

**— PSG Kelly Rogne**





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