

A black and white photograph of a rugged, rocky landscape. The foreground is filled with dark, jagged rocks and debris, possibly from a quarry or a construction site. The background shows a lighter, more uniform surface, possibly a road or a cleared area. The word "SMITH" is overlaid in large, white, sans-serif capital letters across the center of the image.

SMITH

Elite 2016



Premium Protection

Pg. 6



Sunglasses

Pg. 12



Eyeshields

Pg. 18



Goggles

Pg. 24



Boogie Integration

Pg. 25



Safety Rx

Pg. 32



Lens Matrix

Pg. 34



NSN Products

Pg. 39

Focus on the advantage seeker.

Smith Elite begins our developmental process by listening to the world's top tier special operators. This group of advantage seekers require innovative and functional solutions to very specific problems. We optimize technology for those elite maximizers seeking an advantage through cutting-edge innovation, and calibrate product to deliver peak performance for taking on competition and adversity. This dialogue between the development team and the user is what allows Smith to continually protect the eyes of those that demand MilSpec level protection. The results of this collaborative effort is a higher level of quality in products for all Smith advantage seekers.

Model Overview



Drop Elite
Pg. 16



Gray Man Elite
Pg. 16



Frontman Elite
Pg. 17



Hudson Elite
Pg. 17



Hideout Elite
Pg. 18



Prospect Elite
Pg. 18



Director Elite
Pg. 19



Chamber Elite
Pg. 19



Aegis Echo II
Pg. 22



Aegis Arc
Pg. 23



PivLock™ Echo Elite
Pg. 24



PivLock™ V2 Elite
Pg. 25



Boogie SOEP
Pg. 28



Boogie Sport
Pg. 29



Boogie Regulator
Pg. 29



OTW Turbo Fan
Pg. 30



OTW
Pg. 31



LoPro
Pg. 32

660%

COMMON MISCONCEPTION

Not all ballistic eyewear is the same. Many users are being misled when they are sold “ballistic” eyewear. Truth be told, eyewear can be labeled “ballistic” if it can stop a .25 inch diameter steel ball at 150 feet per second (FPS), which is the ANSI Z87.1 standard. A Red Ryder BB gun shoots a projectile that is a .177 caliber steel ball at 350fps (this projectile is more than half the size of the ANSI test and more than twice the speed). The Laws of Physics tell us that the impact energy of the BB from the Red Ryder is greater than that of the ANSI test projectile. Theoretically, eyewear could pass the ANSI test and fail when impacted by a Red Ryder BB Gun. The eyewear industry is overrun with companies claiming they have a ballistic product when that product only meets the minimum standard to be considered ballistic. Ensure your eyes are protected and demand superior protection, the MilSpec ballistic standard.

LEARN WHY MILSPEC BEATS ANSI

The ANSI Z87.1 standard is a multi-faceted standard that covers many workplace hazards from impact (ballistic) to liquid splash to dust particles. The key is that these are “workplace hazards” and the threats that they’re required to defeat have little relevance beyond a controlled workplace. Many parts of the ANSI standard are very stringent, but the ballistic requirement is noticeably lighter than the MilSpec standard. The military changed the velocities, the projectiles and the passing requirements. Anyone looking for ballistic protection must understand that meeting ANSI ballistics is sufficient for a controlled workplace environment, but it’s not enough protection for threats in uncontrolled environments such as the battlefield.

MilSpec, which is an abbreviation of Military Specification, is an all encompassing document for a specific product that incorporates very precise and stringent requirements for every important product characteristic. Historically, the *MilSpec* standard is so stringent and difficult to meet that the term itself beholds a higher level of quality. This is especially true when it comes to eyewear; the *MilSpec* standard for ballistics is significantly more difficult to pass than any other standard including the ANSI Z87.1 standard. Most professionals in the industry know that *MilSpec* is harder to achieve, but they don’t know by how much until now.

660% DEFINED

It is generally hard to compare the two tests (ANSI and *MilSpec*) because they have two different projectiles being shot at two different velocities. On the surface it appears that this is like comparing apples to oranges. We simplified the equation and calculated the impact energy in foot-pounds of a strike at the point of impact for each test and compared the two results. The results show the *MilSpec* ballistic standard is 660% harder to achieve than the ANSI ballistic standard and these results are available for anyone to verify by simply looking at the standards and calculating the impact energy in foot-pounds.



Protection Spectrum

ELITE PRODUCTS ARE MILSPEC PRODUCTS

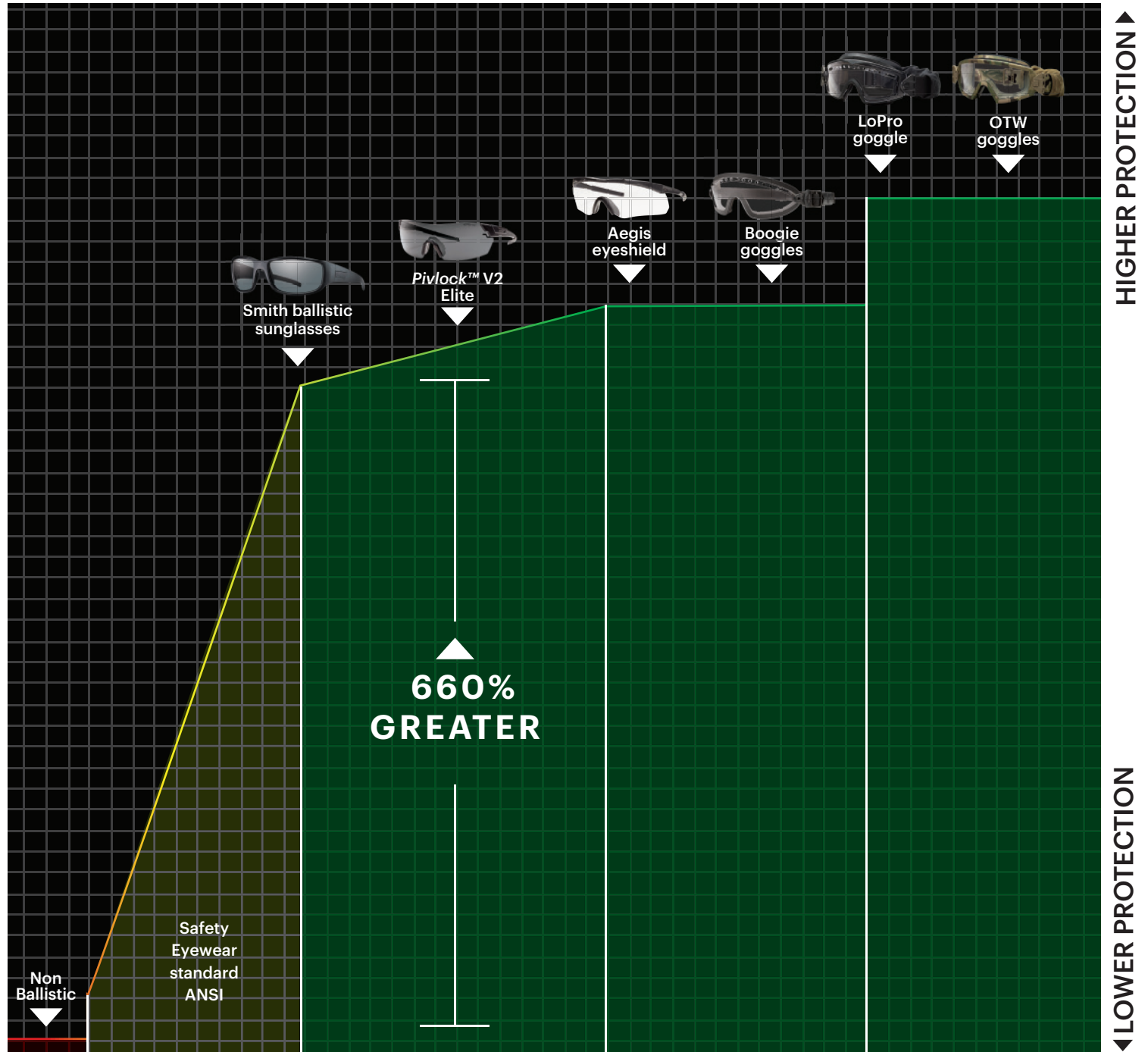
With so many manufacturers making it so difficult to determine what "ballistic" level their eyewear meets, we decided to make it simple. We only make ballistic eyewear to the highest possible standard, exceeding *MilSpec* ballistic protection.




◀ LOW IMPACT

VELOCITY SPECTRUM

HIGH IMPACT ▶

VELOCITY SPECTRUM



NON BALLISTIC	*  ¼ INCH STEEL BALL	*  0.15 CALIBER	*  0.22 CALIBER
	ANSI Z87.1 INDUSTRIAL SAFETY Glasses and goggles 150 feet per second for spectacles 250 feet per second for goggles	MIL-PRF-31013 <small>Clause 3.5.1.1</small> MIL-PRF-32432 <small>Clause 3.6.3.1</small> SPECTACLES Impact: 0.15 caliber, 5.8 grain, T37 shaped projectile 640-660 feet per second	MIL-DTL-43511D <small>Clause 3.5.10</small> MIL-PRF-32432 <small>Clause 3.6.3.2</small> GOGGLES Impact: 0.22 caliber, 17 ± .5 grain T37 shaped projectile 550-560 feet per second

*ACTUAL SIZE OF PROJECTILE





Premium protection.

BALLISTICS, OPTICS, ANTI-FOG, AND DESIGN

Premium protection is the optimized balance of all four essential eyewear components: Ballistics, Optics, Anti-Fog, and Design. To understand this balance it is imperative to not only understand what the four components are but how they interact with one another. Each component has key factors that influence the final performance, but those key factors simultaneously limit the performance of the other components. For example, we can improve the Anti-Fog component by increasing the air volume between the users face and the lens, but this would make for a bulky design and hinder optical clarity with a given lens. Each key factor influences all other components in different ways and that complexity is what makes Premium Protection a delicate balance.

Anyone can make eyewear that is categorized as protective, but we choose to deliver Premium Protection as a minimum requirement. If the product is in the Smith Elite line then it is Premium Protection by definition.

Ballistics

NOTHING BELOW MILSPEC

We put our Elite products through the most rigorous testing possible in order to constantly improve how much abuse our products can handle. Making a functional ballistic lens is more than just making the lens thicker. There are hundreds of factors at play, and all of them need to be balanced to surpass MilSpec standards.

ASSUME NOTHING TEST EVERYTHING

We have impacted hundreds of thousands of lenses to get where we are today, so we have no issue claiming ballistic capabilities exceeding the *MilSpec* standard.



MilSpec spectacle standard
 Requires impact at 640-660 feet per second. Impacted by a 0.15 Caliber 5.8 Grain, T37 shaped projectile at varying feet per second.



MilSpec goggle standard
 Requires impact at 550-560 feet per second. Impacted by a 0.22 Caliber 17 Grain, T37 shaped projectile at varying feet per second.

PROJECTILES TO SCALE



¼ Inch steel ball

INDUSTRIAL SAFETY GLASSES / GOGGLES
IMPACT: 1/4" Steel ball
 150 Feet per second: Spectacles
 250 Feet per second: Goggles



0.15 Cal.

MILSPEC
IMPACT: 0.15 Caliber, 5.8 grain, T37 shaped projectile
 640-660 feet per second



0.22 Cal.

MILSPEC
IMPACT: 0.22 Caliber, 17.0 grain T37 shaped projectile
 550-560 feet per second



SERIALIZATION

We place a unique serial number on the Aegis eyeshield, the OTW goggle and Boogie goggle which allows for discrete traceability of every lens produced. The serial number tells the entire history of the lens including when it was molded, when it was tested and when it was cut. We do this as proof that every lens meets the highest of production and validation standards.

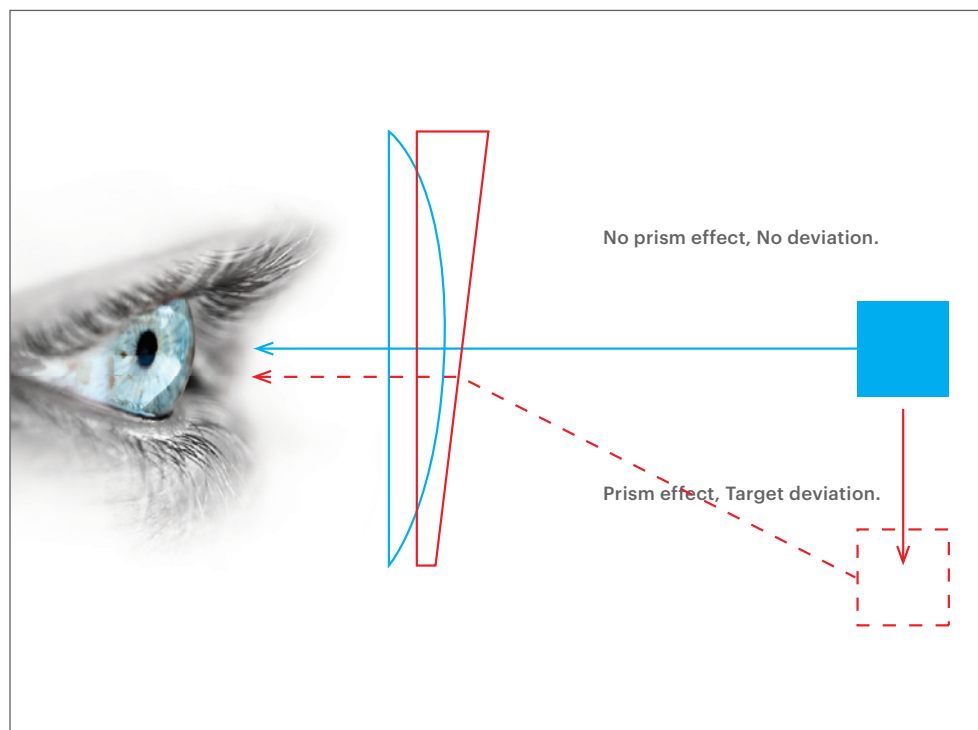
PREMIUM PROTECTIONBallistics, **Optics**, Anti-Fog, and Design

Optics

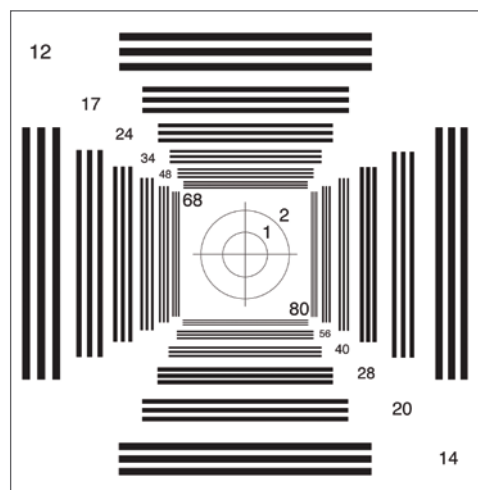
CLARITY YOU CAN COUNT ON

Details are important to our customers and that is why we measure optical clarity not only with results from the lab, but with feedback from the field. As with all components we measure minute performance requirements in the lab. Lab performance; however, does not always transfer to the field conditions where the eyewear is used. Coupling the field feedback and the lab results allows us to focus our design on what is important to the user and measure that performance to ensure we deliver the highest optical quality in every lens.

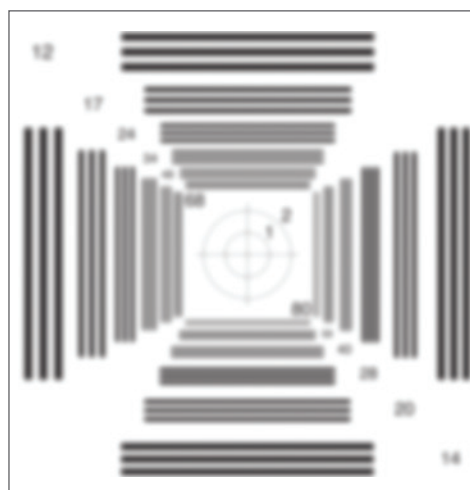
© Smith Sport Optics Inc. 2015

**WHAT YOU SEE IS WHAT YOU'LL GET**

The Prism Effect is noticed when light changes speed as it moves from one medium to another (for example, from air into water). This speed change causes light to enter the new medium at a different angle due to refraction. The Prism Effect on an extreme scale can be explained when looking at a fish in a river. Light is refracted in a way that misleads your eyes into thinking the fish is positioned in a false location. When it comes to designing eyewear, this factor is taken into account. It is important that the eyewear utilizes precise geometry to negate the prism effect so that the user maintains an accurate picture of what's in front of them. One of the technologies we use to combat this is our *Tapered Lens Technology* (TLT), which is a tapered lens cut from the optical center of the lens to the outer edges. This type of technology will also mitigate unnecessary exertion of the eyes and mind because they will not need to work overtime to accommodate for the Prism Effect.



Optics Pass



Optics Fail

THE CLARITY OF SMITH EYEWEAR

Millions of years of evolution have perfected your eyes, but they are not intended to look through an additional lens. This is well known by anybody that spends a lot of time behind a pair of binoculars. If your eyewear lacks optical clarity, then your eyes and brain have to cope with the stress of trying to keep everything in focus. We strive to keep the flow of visual information into your eyes as natural as possible, so that no details are missed.

Anti-Fog

FIGHTING FOG FIRST

The most important feature of all eyewear is the anti-fog capabilities. All other features are useless if you are experiencing fog on your lens. Obviously, ballistics, optics and design are irrelevant if you take your eyewear off your face.

FOG FIGHTING HERITAGE

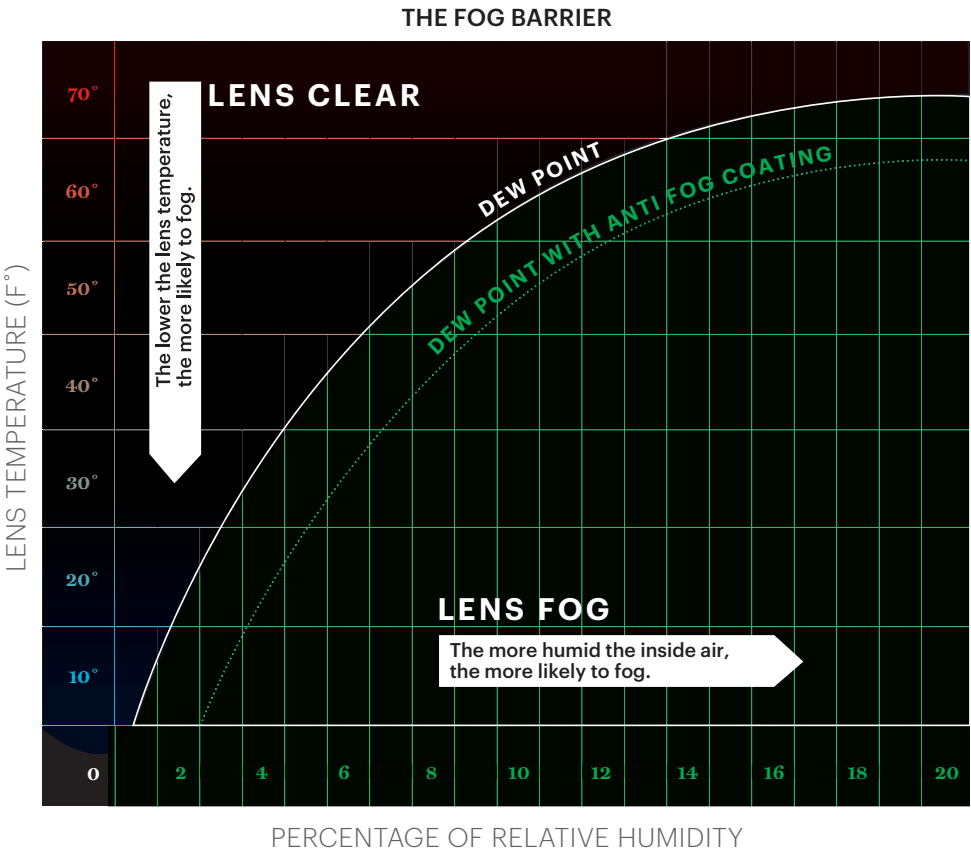
Smith was created by our founder Bob Smith in 1965 with a single goal in mind: to create a goggle that would not fog. For the last 50 years, Smith has been working to understand and fight fogging. Our experience with anti-fog technologies is unmatched; we understand the science of what creates fog on a lens and how to combat it. With half century of fighting fog as our primary objective, we know that fog cannot be eliminated, but it can be delayed.

SCIENCE OF FOG

It is important to accept the fact that nothing is “Fog Proof”. Under the right circumstances every lens will fog, it’s science. Fog builds on the lens when the lens temperature and the humidity inside the goggle cross the Dew Point. The Dew Point is the intersection of temperature and humidity, below which the water vapor in the air condenses on the lens. The face and eyes

create a warm humid environment within a goggle and as the temperature outside the goggle drops the less humidity is needed to meet the Dew Point. Furthermore, when the user increases his workload that increases both temperature and humidity inside the goggle, add cold outside air temperature and there is a severe threat of fogging.

This fact makes “Fog Mitigation” the name of the game. Our objective is to keep fog off the lens as long as possible and under a wider range of humidity and temperature conditions, thus creating as much time for the user to operate fog free.



DESIGNING “FOG MITIGATION”

Three main tools are used to mitigate fogging effects: anti-fog lens coatings, airflow (active & passive) and quick release features. Smith has proprietary anti-fog capability that not only outperforms our competitors significantly, but also adheres to the lens in such a way that it does not affect the ballistic or optical qualities. Passive airflow mitigation is used in goggles with smaller air volume, such as the Boogie and LoPro, which allows air to flow through vents in the lens across the face exiting vents in the goggle structure. Our active airflow mitigation system is a small nearly silent fan that forces the airflow when none naturally exists. The vented air decreases the relative humidity by exchanging the humid air created by the face with the commonly less humid air outside.

Lastly, when designing our eyewear we understand that everything fogs, so we have created a system that will allow the user to quickly remove the goggle from the face, but the goggle will be retained for later use. An absence of such a design features may cause the user to discard the eyewear all together, thus discarding their ballistic eye protection until their goggle can be replaced.

PREMIUM PROTECTIONBallistics, Optics, Anti-Fog, and *Design*

Design

STYLE AND FUNCTIONALITY COMBINED

Design is more than just how stylish a product is. Design is also how all aspects of a product's functionality are brought together. Smith takes the concept of product design to a new level by adopting the military's Human Systems Integration (HSI) process. This approach takes human variables such as fit, optical performance, ballistic performance, fog-mitigation, integrated equipment, and weapons interface into account to refine a product's functionality across the spectrum of factors. We design specifically to optimize performance allowing real-world testing to drive the product's evolution...and keep people looking stylish while doing it.

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**FIT**

Decades of experience allow us to design eyewear that fits so well, you won't even know it's there. One of the basic facts of eye protection is if you don't wear it, it's guaranteed not to work. An incorrect fit can also cause the optics of the eyewear to be thrown off, which can cause headaches and eye strain. Our goal is to offer a variety of fits and styles so you can find the perfect piece of eye protection that you'll want to wear day in day out.



LoPro goggle



Boogie goggle

INTEGRATION

We know you only choose products that give you the most options. That's why we factor superior integration into all our product designs. You need the right tool for the right job.

**INNOVATION**

We never stop working on creative new ways to solve the most difficult of problems. This process never ends, because new types of problems arise constantly. Like you, we need to be aware of any challenges ahead of us, and be as proactive as possible with solving them.

Make every detail count.



Get an unfair advantage when you see
more with **ChromaPop™**.

See more with *ChromaPop*™

When you see more you can do more. Our proprietary *ChromaPop*™ lens technology enhances clarity and natural color to let you effortlessly see more detail. More detail gives you the advantage needed to perform confidently and have more fun.

Sharper

UPGRADED EXPERIENCE

Make every moment more vivid and clear.

Easier

INSTANT ADVANTAGE

Get one up on mother nature without your eyes having to work so hard.

Faster

CONFIDENT PERFORMANCE

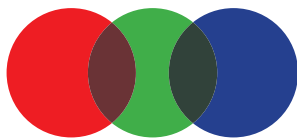
Trusting what you see lets you push the limits of faster and farther.

Why is it better?

Through our proprietary *ChromaPop*™ lens technology, we help you see detail and color beyond normal capabilities. *ChromaPop*™ filters two specific wavelengths of light that cause color confusion. By doing this the lens delivers greater definition, more natural color, and unmatched clarity to allow you to see more detail.

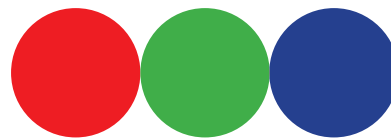
NORMALLY

The eye's retina has trouble distinguishing between blue and green, and red and green light perception.



WITH CHROMAPOP™

ChromaPop filters these specific crossovers, allowing greater definition, natural color, and clarity.



Details matter.

- MilSpec: MIL-PRF-31013 clause 3.5.11
- Anti-Fog coating mitigates fog
- Tapered Lens Technology (TLT) corrects light distortion
- 100% UVA/B/C protection
- Up to 5x Anti-scratch performance over "plastic lenses"
- 10% lighter than polycarbonate lens material
- 15% lighter than CR-39 lens material
- 75% lighter than glass





Sunglasses

NEW

Drop Elite

Ballistic / Available in **ChromaPop™ Elite**

MILSPEC ANSI Z87.1

66 42 17 125



Matte Black / Polar Gray Green
ChromaPop+ Elite



Matte Black / Polar Blue Mirror
ChromaPop+ Elite



Matte Black / Polar Bronze Mirror
ChromaPop+ Elite



Matte Black / Gray



Matte Black / Clear



Matte Black / Ignitor



Realtree™ AP / Polar Brown



Realtree™ Max-4 / Polar Brown

FEATURES

- Med-large fit / large coverage
- High impact lens material
- Nylon frame material
- ANSI Z87.1 compliant
- Lenses meet MIL-PRF-31013 clause 3.5.1.1
- Hydrophilic megol temple & nose pads
- 8 Base lens curvature
- 100% protection from UVA/B/C rays

Gray Man Elite

Ballistic

MILSPEC ANSI Z87.1

63 43 15 130



Matte Gunmetal / Gray



Matte Black / Gray

FEATURES

- Med-large fit / large coverage
- High impact lens material
- Metal frame
- ANSI Z87.1 compliant
- Lenses meet MIL-PRF-31013 clause 3.5.1.1
- Hydrophilic megol temple & nose pads
- 8 Base lens curvature
- 100% protection from UVA/B/C rays

Frontman Elite

Ballistic / Available in **ChromaPop™ Elite**

MILSPEC ANSI Z87.1 Rx

61 42 17 125



Black / Polar Gray Green
ChromaPop+ Elite

NEW



Black / Polar Platinum Mirror
ChromaPop+ Elite

NEW



Black / Polar Blue Mirror
ChromaPop+ Elite

NEW



Black / Polar Bronze Mirror
ChromaPop+ Elite

NEW



Black / Polar Brown



Black / Polar Gray



Black / Gray

FEATURES

- Med-large fit / large coverage
- High impact lens material
- Nylon frame material
- ANSI Z87.1 compliant
- Lenses meet MIL-PRF-31013 clause 3.5.1.1
- Hydrophilic megol temple & nose pads
- 8 Base lens curvature
- 100% protection from UVA/B/C rays

Hudson Elite

Ballistic

MILSPEC ANSI Z87.1 Rx

59 32 19 125



Black / Polar Brown



Black / Polar Gray



Realtree™ Max-4 / Polar Brown



Realtree™ AP / Polar Brown



Black / Gray



Black / Ignitor



Black / Clear



Realtree™ Max-4 / Gray



Realtree™ AP / Gray



Kryptek™ Highlander / Gray



Kryptek™ Typhon / Gray

FEATURES

- Small fit / small coverage
- High impact lens material
- Nylon frame material
- ANSI Z87.1 compliant
- Lenses meet MIL-PRF-31013 clause 3.5.1.1
- Hydrophilic megol nose pads
- 8 base lens curvature
- 100% protection from UVA/B/C rays

Hideout Elite

Ballistic

MILSPEC ANSI Z87.1 Rx

62 38 18 130



Black / Polar Brown



Black / Polar Gray



Realtree™ Max-4 / Polar Brown



Realtree™ AP / Polar Brown



Black / Gray



Black / Ignitor



Black / Clear



Realtree™ Max-4 / Gray



Realtree™ AP / Gray



Kryptek™ Highlander / Gray



Kryptek™ Typhon / Gray

FEATURES

- Medium fit / large coverage
- High impact lens material
- Nylon frame material
- ANSI Z87.1 compliant
- Lenses meet MIL-PRF-31013 clause 3.5.1.1
- Hydrophilic megol nose pads & temple pads
- 8 base lens curvature
- 100% protection from UVA/B/C rays

Prospect Elite

Ballistic

MILSPEC ANSI Z87.1 Rx

61 36 19 125



Black / Polar Brown



Black / Polar Gray



Black / Gray



Black / Ignitor



Black / Clear



MultiCam™ / Gray



Kryptek™ Highlander / Gray



Kryptek™ Typhon / Gray

FEATURES

- Medium fit / medium coverage
- High impact lens material
- Nylon frame material
- ANSI Z87.1 compliant
- Lenses meet MIL-PRF-31013 clause 3.5.1.1
- Hydrophilic megol nose pads & temple pads
- 8 Base lens curvature
- 100% protection from UVA/B/C rays

Director Elite

Ballistic

MILSPEC ANSI Z87.1 Rx

60 37 18 125



Black / Polar Brown



Black / Polar Gray



Black / Gray



Black / Ignitor



Black / Clear

FEATURES

- Medium fit / medium coverage
- High impact lens material
- Nylon frame material
- ANSI Z87.1 compliant
- Lenses meet MIL-PRF-31013 clause 3.5.1.1
- Hydrophilic megol nose pads
- 8 Base lens curvature
- 100% protection from UVA/B/C rays

Chamber Elite

Ballistic

MILSPEC ANSI Z87.1 Rx

65 40 17 135



Black / Polar Brown



Black / Polar Gray



Black / Gray



Black / Ignitor



Black / Clear

FEATURES

- Large fit / large coverage
- High impact lens material
- Nylon frame material
- ANSI Z87.1 compliant
- Lenses meet MIL-PRF-31013 clause 3.5.1.1
- Hydrophilic megol nose pads & temple pads
- 8 base lens curvature
- 100% protection from UVA/B/C rays

Eyeshields





Aegis Echo II

Eyeshields

MILSPEC ANSI Z87.1 Rx COMPATIBLE ASIAN FIT



Black / Clear
Included Lenses: Clear, Gray



Tan 499 / Clear
Included Lenses: Clear, Gray



Field Kit
Clear and gray lenses

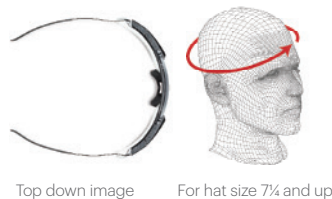


Aegis Echo II replacement lenses
Clear, Gray, Ignitor, Yellow, Laser

FEATURES

- Superior ballistic impact protection per US MIL-PRF-32432
- Uncompromising optics and coverage per ANSI Z87.1
- EN 166 compliant
- Thin, moldable alloy temples fit cleanly under ear pro without breaking the seal
- Fast lens exchange with Pivlock™ Lens Technology
- TLT (tapered lens technology) corrects distortion
- Hydrophilic megol temples and nose
- Anti-fog and scratch resistant coatings on all lenses
- 100% protection from UVA/B/C rays
- Compatible with Smith Elite Rx system insert (sold separately)
- New infinitely adjustable nose piece for perfect fit

AEGIS ECHO II
140 50 n/a 120



AEGIS ECHO II COMPACT
135 50 n/a 120



Bendability for fit



Comfort

ULTRA THIN ECHO TEMPLES

The Echo temples were developed with one thing in mind: comfort. For too long, people have complained about the painful pressure points created from the temple arms of their eyewear being drilled into the side of their heads from their ear protection. The solution is simple; durable, yet incredibly thin, stainless steel temple arms that can be bent to any head shape. Smith's Echo temples alleviate the pain issue entirely, while also creating a perfect seal between your head and your ear protection.

Aegis Arc

Eyeshields

MILSPEC ANSI Z87.1 Rx COMPATIBLE ASIAN FIT

* See Pg. 40 for Aegis Arc APEL configuration



Black / Clear
Included Lenses: Clear, Gray



Tan 499 / Clear
Included Lenses: Clear, Gray



Field Kit
Clear and gray lenses



Aegis Arc replacement lenses
Clear, Gray, Ignitor, Yellow, Laser

FEATURES

- Superior ballistic impact protection per US MIL-PRF-32432
- Uncompromising optics and coverage per ANSI Z87.1
- EN 166 compliant
- Fast lens exchange with Pivlock™ lens interchange technology
- TLT (tapered lens technology) corrects distortion
- Hydrophilic megol temples and nose
- Anti-fog and scratch resistant coatings on all lenses
- 100% protection from UVA/B/C rays
- Compatible with Smith Elite Rx system insert (sold separately)

AEGIS ARC

140 50 n/a 120



Top down image For hat size 7 1/4 and up

AEGIS ARC COMPACT

135 50 n/a 120



Top down image For hat size 7 1/4 and below



AEGIS: Open



AEGIS: Open Detail

LENS INTERCHANGE TECHNOLOGY

The Aegis series of eyeshields comes with our patented PivLock™ Lens Interchange Technology. Pushing the levers upwards alleviates pressure on the lenses locking grooves, allowing you to slide the lens out with zero effort. No matter what situation you find yourself in, this method of lens changing will have the right lens tint in front of your face in seconds.

PivLock™ Echo Elite

Eyeshields

MILSPEC

ANSI Z87.1

Rx COMPATIBLE



PIVLOCK ECHO

135 46 n/a 120



Matte Black / Gray

Included lenses: Clear, Gray, Ignitor



Tan 499 / Gray

Included lenses: Clear, Gray, Ignitor



PivLock™ Echo replacement lenses

Clear, Gray, Ignitor, Yellow

PIVLOCK ECHO MAX

140 46 n/a 120



Matte Black / Gray

Included lenses: Clear, Gray, Ignitor



Tan 499 / Gray

Included lenses: Clear, Gray, Ignitor



PivLock™ Echo Max replacement lenses

Clear, Gray, Ignitor, Yellow

FEATURES

Medium fit / medium coverage

Superior ballistic impact protection with uncompromising optics and coverage

Meets ANSI Z87.1 and MIL-PRF-31013 clause 3.5.1.1

Thin, moldable alloy temples fit cleanly under ear pro without breaking the seal

FreeFloat™ lens technology

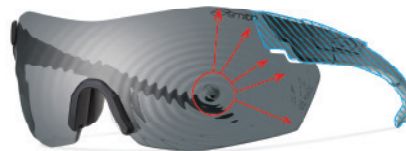
Infinitely adjustable nose pads

TLT (tapered lens technology) corrects distortion

Hydrophilic megol nose and temple pads

Anti-fog and scratch resistant coatings on all lenses

100% protection from UVA/B/C rays



Isolated

Energy wave

FREEFLOAT™ LENS TECHNOLOGY

Smith has a patent pending lens cut that has revolutionized eyeshield technology. The

FreeFloat™ lens cut consists of slots cut into the lens blank near the frame and lens attachment points isolating them from the critical area of the lens. By doing this, pressure induced stress that typically transfers from the frame into the lens no longer has an effect on the geometry of the critical optical area of the eyewear. In the same way the *FreeFloat™* lens technology isolates frame-induced stress from reaching the lens, it inversely reduces any stress imposed on the lens from reaching the frame.



Bendability for fit



Comfort

ULTRA THIN ECHO TEMPLES

The Echo temples were developed with one thing in mind: comfort. For too long, people have complained about the painful pressure points created from the temple arms of their eyewear being drilled into the side of their heads from their ear protection. The solution is simple; durable, yet incredibly thin, stainless steel temple arms that can be bent to any head shape. Smith's Echo temples alleviate the pain issue entirely, while also creating a perfect seal between your head and your ear protection.

PivLock™ V2 Elite

MILSPEC ANSI Z87.1

Eyeshields



PIVLOCK V2 ELITE



Matte Black / Gray

Included lenses: Clear, Gray, Ignitor



Tan 499 / Gray

Included lenses: Clear, Gray, Ignitor



PivLock™ V2 replacement lenses

Clear, Gray, Ignitor, Yellow

PIVLOCK V2 ELITE MAX



Matte Black / Gray

Included lenses: Clear, Gray, Ignitor



Tan 499 / Gray

Included lenses: Clear, Gray, Ignitor



PivLock™ V2 Max replacement lenses

Clear, Gray, Ignitor, Yellow

FEATURES

Medium fit / medium coverage

Superior ballistic impact protection with uncompromising optics and coverage

Meets ANSI Z87.1 and MIL-PRF-31013 clause 3.5.1.1

FreeFloat™ lens technology

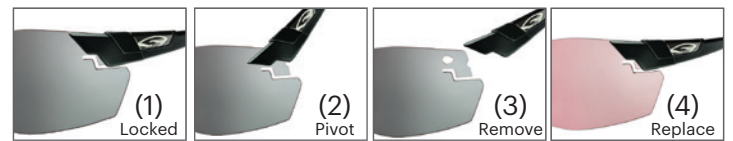
3-Position adjustable nose pads

TLT (tapered lens technology) corrects distortion

Hydrophilic megol nose and temple pads

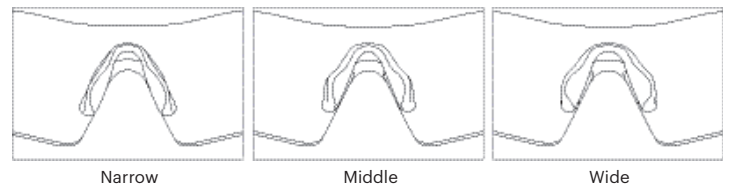
Anti-fog and scratch resistant coatings on all lenses

100% protection from UVA/B/C rays



INTERCHANGEABLE LENS TECHNOLOGY

The PivLock™ V2 Elite uses the original PivLock interchangeable lens system. This system features a patented temple and lens interface that truly provides an unobstructed field of view. Engineered to minimize frame weight while maintaining a secure fit, both the temples and nosepiece remove easily, making the task of changing lenses easier than ever.



Three-position adjustable nose pads

THE PERFECT FIT

One of the basic facts of eye protection is if you don't wear it, it's guaranteed not to work. Our goal is to offer a variety of fits and styles so you can find the perfect piece of eye protection that you'll want to wear day in day out.

Goggles



BOOGIE INTEGRATION

Special Operators around the world asked us to make the Boogie goggle capable of integrating with more helmet configurations. We delivered exactly that.

When it comes to options, Boogie goggles raise the bar to a new level. Different helmets accommodate different attachment systems for goggles. With a Boogie goggle, you can choose which attachment system works best for you, and then change it again in a matter of seconds.

BOOGIE STRAP KIT OPTIONS

A main feature of the Boogie goggles, is their easy integration with various helmet platforms. This is due to the extremely low profile design, and the three optional strap attachment systems available. You have the option to run the strap that comes with the goggle, the Quick Strap system that provides Velcro or rail mount integration, or the large 35mm strap. With all these options, you can find a Boogie goggle set up that will keep you protected, fog-free and comfortable.

* All options available in Black or Tan 499



Boogie Regulator with included silicone strap



Boogie Regulator with optional Velcro bungee quick strap



Boogie SOEP with included 35mm strap



Boogie SOEP with optional 15mm strap



Boogie SOEP with optional Velcro bungee quick strap



Boogie Sport with included 15mm strap



Boogie Sport with optional 35mm strap



Boogie Sport with optional Velcro bungee quick strap



NEW

Boogie SOEP

Hybrid Goggles

SPECIAL OPERATIONS EYEWEAR PROGRAM (SOEP) APPROVED	MILSPEC
ANSI Z87.1	AUTHORIZED PROTECTIVE EYEWEAR LIST (APEL) APPROVED



Black Strap / Gray
SOEP Approved



Black Strap / Clear
SOEP Approved



Black Strap / Laser
SOEP Approved



Tan 499 Strap / Gray
APEL Approved



Tan 499 Strap / Clear
APEL Approved

FEATURES

- Superior ballistic impact protection per US MIL-PRF-32432
- Uncompromising optics and coverage per ANSI Z87.1
- Durable 35mm woven strap
- TLT (tapered lens technology) corrects distortion
- Anti-fog and scratch resistant coatings on all lenses
- 100% protection from UVA/B/C rays



Shown with optional Velcro bungee quick strap

ULTRA LOW PROFILE DESIGN

This goggle is designed as our lowest profile goggle, and the lowest profile goggle on the market. When it comes to fitting under night vision systems, the Boogie is unbeatable.

Boogie Sport

Hybrid Goggles

MILSPEC

ASIAN FIT



Black Strap / Gray



Black Strap / Clear



Black Strap / Ignitor



MultiCam™ Strap / Gray



MultiCam™ Strap / Clear



MultiCam™ Strap / Ignitor



Tan 499 Strap / Gray



Tan 499 Strap / Clear



Tan 499 Strap / Ignitor

FEATURES

Lenses meet US MIL-DTL-43511D goggle impact level clause 3.5.10
Smith patented Regulator ventilates lenses to keep fog away
Smiths' uncompromising optical quality
Durable 15mm woven strap
Anti-fog and scratch resistant coatings on all lenses
100% protection from UVA/B/C rays
Enlarged Regulator holes
Interchangeable straps

© Smith Sport Optics Inc. 2015

Boogie Regulator

Hybrid Goggles

MILSPEC

ASIAN FIT



Black Silicone Strap / Gray



Black Silicone Strap / Clear



Black Silicone Strap / Ignitor

FEATURES

Lenses meet US MIL-DTL-43511D goggle impact level clause 3.5.10
Smith patented Regulator ventilates lenses to keep fog away
Smiths' uncompromising optical quality
Fits like an eyeshield with protection of a goggle
Anti-fog and scratch resistant coatings on all lenses
100% protection from UVA/B/C rays



REGULATOR LENS TECHNOLOGY

In low profile goggles, the loss of airspace between the goggle and the user's face doesn't allow for airflow to combat fogging. Smith patented Regulator Lens Technology solves that issue by allowing airflow to help fight the fog.

Outside the Wire Turbo Fan

Goggles

MILSPEC ANSI Z87.1

Rx COMPATIBLE



Black / Gray
Included lenses: Clear, Gray



Tan 499 / Gray
Included lenses: Clear, Gray



Field Kit
Available in Black and Tan 499



OTW Turbo replacement lenses
Clear, Gray, Ignitor, Yellow

FEATURES

- Superior ballistic impact protection per US MIL-DTL-43511D standard clause 3.5.10
- Uncompromising optics and coverage per ANSI Z87.1
- Two speed options to adjust to your activity level
- Easy on/off button can be operated with gloves on
- Operates with two AAA batteries
- Auto shut off to preserve battery life
- Water and dust resistant battery housing
- Low profile fan housing does not interfere with brim of helmet
- 100% protection from UVA/B/C rays



SILENT TURBO FAN TECHNOLOGY

Smith took proprietary Turbo Fan goggle technology and re-engineered it to move more air more efficiently at a lower decibel level, with enhanced ease of use. The OTW Turbo Fan goggle is the ultimate tool to keep your vision fog-free in the most extreme conditions, and be totally silent while doing it.

Outside the Wire

Goggles

MILSPEC | ANSI Z87.1 | Rx COMPATIBLE | ASIAN FIT

AUTHORIZED PROTECTIVE EYEWEAR LIST (APEL) APPROVED



Tan 499 / Clear
APEL Approved
Included lenses: Clear, Gray



Black / Clear
Included lenses: Clear, Gray



MultiCam™ / Clear
Included lenses: Clear, Gray



Foliage Green / Clear
Included lenses: Clear, Gray



Field Kit
Available in all colorways



OTW replacement lenses
Clear, Gray, Ignitor, Yellow

FEATURES

- Superior ballistic impact protection per US MIL-PRF-32432
- Uncompromising optics and coverage per ANSI Z87.1
- EN 166 compliant
- Anatomically optimized design for seamless helmet integration and face fit
- (TLT) tapered lens technology corrects distortion
- Flame resistant anti-microbial goggle foam
- Anti-fog and scratch resistant coatings on all lenses
- 100% protection from UVA/B/C rays
- Compatible with Smith Elite Interchangeable Rx system (sold separately)
- Interchangeable straps



GOGGLE BUNGEE QUICK STRAP

The Goggle Bungee Quick Strap kit provides an alternative to the traditional goggle strap. The Quick Strap has Velcro strap ends to attach directly to a helmet, and also includes helmet rail attachments.

LoPro Regulator

Goggles

MILSPEC

* See Pg. 39 for LoPro APEL configuration



Black / Clear
Included lenses: Clear, Gray



Tan 499 / Clear
Included lenses: Clear, Gray



FEATURES

- Superior ballistic impact protection per MIL-DTL-43511D clause 3.5.10
- Smith patented Regulator ventilates lenses to keep fog away
- Smith uncompromising optical quality
- Anti-fog and scratch resistant coatings on all lenses
- 100% protection from UVA/B/C rays



Field Kit
Available in all colorways



LoPro Regulator replacement lenses
Clear, Gray, Yellow

LoPro Technologies



ULTRA LOW PROFILE DESIGN

This goggle was designed with a specific task in mind – integrate under night vision systems. To accomplish this, the profile of the goggle had to be extremely low, while not sacrificing protection or comfort in any way.



REGULATOR LENS TECHNOLOGY

In low profile goggles, the loss of airspace between the goggle and the user's face doesn't allow for airflow to combat fogging. Smith' patented Regulator Lens Technology solves that issue by allowing airflow to help fight the fog.



GOGGLE BUNGEE QUICK STRAP

The Goggle Bungee Quick Strap system allows for ultimate integration with any major helmet on the market. Velcro strap ends attach directly to a helmet, as well as included rail attachments. Pulling one strap away from the helmet is a great way to remove the goggle from your face with one hand, while leaving the other strap still attached to retain the goggle in a convenient place.



Safety Rx

PROTECTED VISION ON THE JOB

When you're on the job, you need to see what you're doing. You also need to keep it that way. Wearing Smith's safety Rx sunglasses keeps your objective in focus, and the safety officer happy.

Elite sunglass frames are compliant with ANSI Z87.1 which is recognized by OSHA Standard 1910.133 (b)(1) for the eyewear's specified use, and are available with safety prescription lenses. The frames are molded in durable, impact rated material and provide the safety required on the job disguised in frame styles you'll want to wear on the weekend. The Rx frames are marked according to ANSI Z87.1-2003 requirements. Prescriptions can be filled direct through Smith Optics or through our trusted optical partners. Please contact us at 1(800)635-4401 for more information.



Frontman Elite



Hudson Elite



Hideout Elite



Prospect Elite



Director Elite



Chamber Elite

LENS OPTIONS:



Polar Brown



Polar gray



Gray



Ignitor



Clear



Transitions

Rx System

INTERCHANGEABLE RX SYSTEM

The interchangeable Rx system is designed for both the Outside the Wire (OTW) goggle, Aegis eyeshield and now the PivLock™ Echo. A single, integrated Rx carrier can be used in these products. The Smith Elite Rx carrier is engineered to accommodate corrections up to +/- 11 diopters. The kit comes with everything you will need to bring Rx into your OTW goggle, Aegis eyeshield, or PivLock™ Echo.

Designed to fit in Outside the Wire goggle, Aegis eyeshield and PivLock™ Echo

Engineered to accommodate a correction up to +/-11 diopters

Rx system when installed will not affect ballistic quality of the eye protection



Rx System



Aegis Arc



Aegis Echo II



PivLock™ Echo Elite





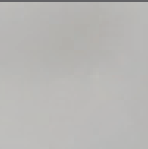
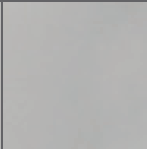
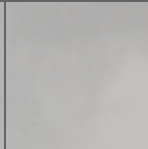
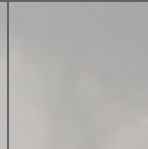




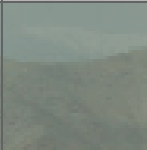


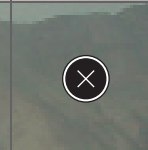






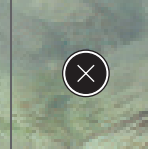






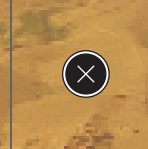






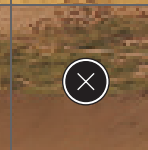






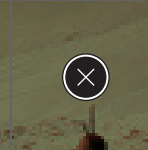


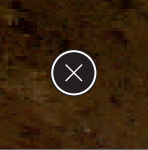
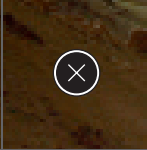
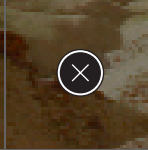
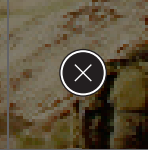
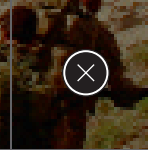


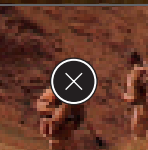
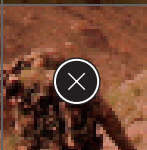

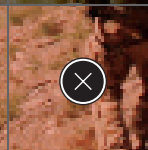
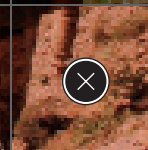


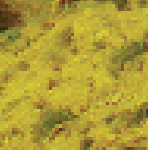
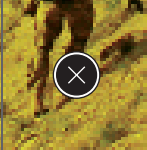

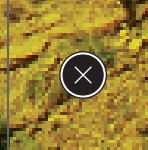



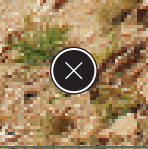
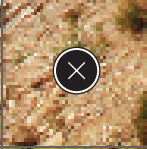




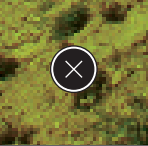

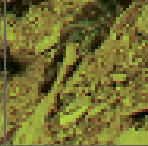
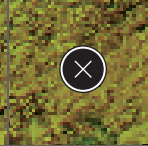
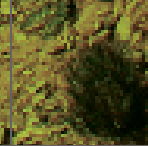
OTW Turbo Fan



OTW

Lens Matrix

Whether it be personal choice or true specialization, we are certain you will find one of our custom engineered lens tints to meet your performance needs. All lenses provide 100% UVA/B/C protection and TLT Optics. Choose your weapon wisely and enjoy the view.

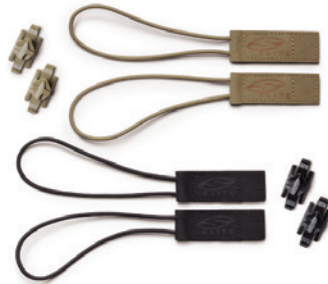
	Lens Description	Condition	VLT	Boogie	OTW OTW Turbo	LoPro	Eyeshields	Sunglass
	Polarized Platinum ChromaPop+ Elite Exemplifies crisp optical clarity and rich color enhancement. Suited for cloudless, bright-light conditions. Anti-Fog coating mitigates fog.	 Bright	11%					
	Polarized Gray Green ChromaPop+ Elite Precise optical clarity complimented by a vivid color experience. Suited for all day use hiking trails or walking the streets. Anti-Fog coating mitigates fog.	 Medium / Bright	16%					
	Polarized Blue Mirror ChromaPop+ Elite Offers sharp optical clarity and rich color enhancement. Best suited for cloudless, bright-light conditions. Anti-Fog coating mitigates fog.	 Bright	14%					
	Polarized Bronze Mirror ChromaPop+ Elite The ultimate in rich, crisp color enhancement. Enhanced color contrast, boosted with a multi-layer bronze mirror coating. Anti-Fog coating mitigates fog.	 Bright	16%					
	Polarized Brown Polarized Brown absorbs stray "blue light" and sharpens details while reducing reflective glare.	 Bright	10%					
	Polarized gray Polarized Gray sharpens detail in true while reducing reflective glare.	 Bright	9%					
	Gray Gray lens tint provides true color perception for exact color definition. Creates soothing effect on the eye in bright or sunny conditions.	 Bright	15%					
	Ignitor Ignitor maximizes definition and enhances depth perception. Increases eye comfort and reduces eye fatigue. Great for the shooting range.	 Variable	26%					
	Yellow A vibrant lens tint that increases visual acuity in extremely flat and low light conditions.	 Overcast	85%					
	Clear The ideal lens for low light or night-time use.	 Dark/Low Light	89%					
	Laser Please contact Smith for information on laser lens options.							

VLT (VISIBLE LIGHT TRANSMISSION): The percentage of available light allowed to reach the eye (the lower the number, the darker the lens).

Accessories



Goggle bungee quick strap
For OTW, LoPro, Boogie Sport &
Boogie SOEP



Boogie Regulator bungee
Velcro strap



OTW, OTW Turbo, LoPro, &
Boogie Goggle 35mm strap



Boogie SOEP &
Boogie Sport 15mm strap



Boogie Sport, OTW,
OTW Turbo & LoPro
Goggle anti-reflective sleeves



Goggle case



Aegis case



Aegis Echo frame only kit



Aegis eyeshield leash



Program Approved

Smith has had the distinct honor of providing protective eyewear to the people who defend, protect and serve around the globe. Our products are the result of intimate knowledge of our craft, innovation and pride in understanding who our products are designed to serve. We have put our hearts and souls into building the highest quality products and ensuring that the eyewear we provide will do its job. We work with the program shops that set the standards to which protective eyewear provided to service men and woman must meet. These standards are the backbone of everything we do.

The following products are APEL and SOEP approved and are assigned NSNs.

Outside the Wire

Goggles

AUTHORIZED PROTECTIVE EYEWEAR LIST (APEL) APPROVED

MILSPEC

ANSI Z87.1

UPLC COMPATIBLE



Tan 499 / Clear

Included lenses: Clear, Gray



FEATURES

Superior protection per US MIL-PRF-32432
 Uncompromising optics and coverage per ANSI Z87.1
 Anatomically optimized design for seamless helmet integration and face fit
 (TLT) tapered lens technology corrects distortion
 Flame resistant anti-microbial goggle foam
 Anti-fog and scratch resistant coatings on all lenses
 100% protection from UVA/B/C rays
 Includes Rx adapter for the UPLC

LoPro Regulator

AUTHORIZED PROTECTIVE EYEWEAR LIST (APEL) APPROVED

MILSPEC

ANSI Z87.1



Tan 499 / Clear

Included lenses: Clear, Gray



FEATURES

Superior protection per US MIL-PRF-32432
 Uncompromising optics and coverage per ANSI Z87.1
 Anatomically optimized design for seamless helmet integration and face fit
 (TLT) tapered lens technology corrects distortion
 Flame resistant anti-microbial goggle foam
 Anti-fog and scratch resistant coatings on all lenses
 100% protection from UVA/B/C rays

Boogie SOEP

Goggles

AUTHORIZED PROTECTIVE EYEWEAR LIST (APEL) APPROVED

SPECIAL OPERATIONS EYEWEAR PROGRAM (SOEP) APPROVED

MILSPEC ANSI Z87.1



Black Strap / Laser



Black Strap / Gray



Black Strap / Clear



Black Strap / Clear, Gray



Tan Strap / Clear, Gray

FEATURES

- Superior protection per US MIL-PRF-32432
- Uncompromising optics and coverage per ANSI Z87.1
- Anatomically optimized design for seamless helmet integration and face fit (TLT) tapered lens technology corrects distortion
- Flame resistant anti-microbial goggle foam
- Anti-fog and scratch resistant coatings on all lenses
- 100% protection from UVA/B/C rays

Aegis Arc II

Shields

AUTHORIZED PROTECTIVE EYEWEAR LIST (APEL) APPROVED

MILSPEC ANSI Z87.1 UPLC COMPATIBLE



Black / Clear
Included lenses: Clear, Gray



AEGIS ARC II

140 50 n/a 120



Top down image For hat size 7 1/4 and up

AEGIS ARC II COMPACT

135 50 n/a 120



Top down image For hat size 7 1/4 and below

FEATURES

- Superior protection per US MIL-PRF-32432
- Uncompromising optics and coverage per ANSI Z87.1
- Fast lens exchange with Pivlock™ lens interchange technology (TLT) tapered lens technology corrects distortion
- Hydrophilic megol temples and adjustable nose piece
- Anti-fog and scratch resistant coatings on all lenses
- 100% protection from UVA/B/C rays
- Includes Rx nose piece and adapter for the UPLC

NSN Product Overview



APEL Approved
Outside the Wire goggle
Tan 499 / Clear

OTW01T4992B
NSN 4240-01-641-0158



Outside the Wire goggle
Black / Clear

OTW01BK-FSB
NSN 4240-01-583-4907



Outside the Wire goggle
Tan 499 / Clear

OTW01T499-FSB
NSN 4240-01-583-4954



Outside the Wire goggle
Foliage Green / Clear

OTW01FG-FSB
NSN 4240-01-583-4955



APEL Approved
LoPro goggle
Tan 499 / Clear

LPG01T4992B
NSN 4240-01-641-0162



SOEP Approved
Boogie SOEP
Black / Clear

BOOGBKCL
NSN 8465-01-630-9180



SOEP Approved
Boogie SOEP
Black / Clear

BOOGBKGY
NSN 8465-01-630-9205



SOEP Approved
Boogie SOEP
Black / Laser

BOOGBKLSR
NSN 8465-01-630-9752



APEL Approved
Boogie SOEP 2 Pack
Tan 499

BOOGT4992B
NSN 4240-01-640-9052



SOEP Approved
Boogie SOEP 2 Pack
Black

BOOGBK2B
NSN 8465-01-630-9795



APEL Approved
Aegis Arc II
Black

AEGBK2B
NSN 4240-01-630-7992



APEL Approved
Aegis Arc II Compact
Black

AEGCBK2B
NSN 4240-01-630-7853



Aegis Arc
Black

AEG01BK-2B
NSN 4240-01-583-5206



Aegis Arc Compact
Black

AEGC01BK-2B
NSN 4240-01-604-7632



Rx System
Black

ELRXKIT
NSN 6540-01-584-3885

ELRXKIT-25 25 PACK
NSN 6540-01-584-3916

For a complete list of all Smith Optics
NSN information including accessories,
please contact us:

Telephone: 1-888-206-2995
E-Mail: smith@smithoptics.com
Office hours: Mon-Fri, 8am-5 pm, MST



SMITH

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