

A large, stylized teal radiation symbol (a circle with three curved lines) is centered on a dark teal background. The symbol is composed of several overlapping, semi-transparent layers of the same color, creating a sense of depth and motion.

RADIATION HAT WITH VELCRO

LEAD APRON ACCESSORY

ABOUT US



Phillips Safety is the industry leader in occupational safety eyewear. In business for over 100 years, you are being served with the dedication and craftsmanship of a family owned company.

Phillips Safety has been producing occupational safety glasses since 1905 and continues to develop and produce the highest quality glasses and lenses today. A leading manufacturer of specialty safety eyewear in the United States, Phillips Safety adheres to strict ANSI Z87-2+ and EN 207 CE standard certifications, holding itself to a highest standard and prides itself on producing glasses with the finest quality materials available.

All safety glasses produced and sold by Phillips Safety meet strict industry standards for military, medical, research laboratories, and a variety of other industries.

With Phillips Safety's dedicated team, you can rest assured knowing that all your prescription safety needs are met.

LEAD APRONS

At Phillips Safety, our lead aprons are meticulously crafted in the USA with the wearer's comfort, protection, and style in mind, providing an ideal balance of weight and functionality.

Our aprons use top-quality barrier material that excels in both hygiene and comfort, making it the best choice on the market. This advanced barrier provides additional protection, as the inner and outer materials prevent pathogens, liquids, and solid particles from reaching the body.

While our Quick Ship aprons ship within 24 hours, custom aprons are available and typically ship in 2-5 business days. Custom aprons can be tailored to your exact measurements and preferences, providing an ideal fit and optimal protection.

QuickShip Aprons and Garments

Phillips Safety offers a line of Quickship aprons and garments. These products come in 0.5mm Pb Lead Equivalency in our Lightweight Lead and Lead Free Cores. Standard colors in both Nylon and Ripstop fabrics allow for a shipping time within 24 hours.

Axion Core™ Lead-Free Radiation Aprons and Garments

Phillips Safety introduces Axion Core™, our next-generation line of lead-free radiation aprons and garments.

By leveraging new advancements in manufacturing technology, Axion Core delivers the lightest weight core on the market today—without compromising shielding performance or safety. We have developed three distinct core options—Axion Core 1000, 2000, 3000, and Lightweight Lead — each engineered with a unique blend of bismuth, antimony, and rare earth elements.

These innovative lead-free solutions vary in weight to meet different user needs but never sacrifice protection, giving medical professionals the perfect balance of comfort, durability, and performance while ensuring the highest safety standards in radiation shielding.

Axion Core™ 1000

The most economical lead-free core in our lineup, Axion Core 1000 is also the heaviest of our non-lead options. Designed for facilities prioritizing cost-efficiency without sacrificing safety, it offers reliable protection at a value price point. At roughly 5% lighter than traditional lightweight lead cores on the market, it delivers measurable weight reduction while maintaining full compliance with radiation shielding standards.

Axion Core™ 2000

Our most popular core, Axion Core 2000 delivers a significant weight reduction compared to both traditional lead aprons and the Axion Core 1000. Offering the ideal balance of performance and value, this core is price-effective while providing the comfort needed for those who wear aprons for extended periods of time.

Axion Core™ 3000

The lightest core in our lineup, Axion Core 3000 represents a true engineering achievement. At 15-20% lighter than Axion Core 2000, this is one of, if not the lightest lead-free cores on the market today. This material allows us to deliver the lightest apron available in the Phillips Safety line, giving medical professionals the most comfort during long procedures. For those seeking the perfect combination of lightweight design and long-term durability, Axion Core 3000 is simply unmatched.

Lightweight Lead

Our Lightweight Lead Core is a specially formulated material engineered to reduce weight compared to standard, traditional lead cores—making it easier and more comfortable to wear without sacrificing dependable protection. While it's not as light as our Axion Core lead-free options, this formulation provides an excellent balance of affordability, performance, and reliability. A great price point and proven shielding performance make it a trusted choice for facilities seeking consistent protection with a lighter feel than conventional lead aprons.

RADIATION HAT WITH VELCRO



The Radiation Hat with Velcro Closure provides dependable protection against scattered radiation in medical and industrial environments. Designed for comfort during extended wear, it features an adjustable Velcro closure that ensures a secure, comfortable fit. The hat is available in four core protective materials—Lightweight Lead, Axion Core™ 1000, Axion Core™ 2000, and Axion Core™ 3000—with lead equivalencies of 0.25mm Pb, 0.35mm Pb, or 0.50mm Pb to suit varying protection needs.

This Radiation Hat is offered in five standard sizes, ranging from Small to 2XL, with custom sizing available. It can be manufactured with your choice of four outer materials—Nylon, Ripstop, Polytron, or PVC EasyClean—and is available in a wide range of colors and binding options.

LEAD PROTECTION AVAILABLE

AXION CORE™ 1000, 2000, 3000	LIGHTWEIGHT LEAD
0.25 mmPb	0.25 mmPb
0.35 mmPb	0.35 mmPb
0.50 mmPb	0.50 mmPb

AVAILABLE MATERIALS

FABRIC MATERIALS	COLORS/PATTERNS
NYLON	41 OPTIONS
RIPSTOP	09 OPTIONS
PVC EASYCLEAN	LIMITED OPTIONS
POLYTRON	10 OPTIONS

SIZING CHART

UNISEX

Size Name	Circumference
XS	21"
Small	22"
Medium	23"
XS	24"
Small	25"

Please note: Additional sizes can be accommodated with custom sizing.



**FABRIC MATERIALS,
COLORS & SWATCHES**

NYLON

A classic lightweight fabric, Nylon is a synthetic material with high tenacity and excellent abrasion resistance. Nylon is also highly resilient, has good specific strength and provides high resistance to insects, fungi, molds, mildew, rot and many chemicals.

EXTREMELY RESISTANT

LIGHTWEIGHT

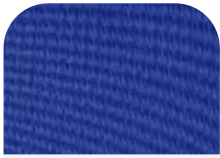
STRONG & DURABLE

MULTIPLE OPTIONS



NYLON

AVAILABLE COLORS & PATTERNS



ROYAL BLUE



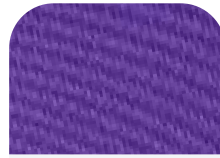
BLACK



HUNTER GREEN



RED



PURPLE



PINK



BURGUNDY



CHARCOAL



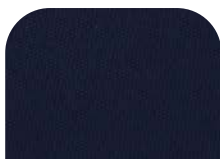
DARK BROWN



FLUORESCENT ORANGE



GOLD



NAVY BLUE



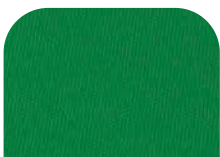
TURQUOISE



MEDIUM BLUE



SILVER



KELLY GREEN



TEAL



COLOR FOSSILS



FISH BONES



SHARKS



FLAMINGO



ORANGE HIBISCUS



HAWAIIAN FLOWERS



TROPICAL AVOCADO



PURPLE PLAID

BINDING AVAILABLE



ROYAL BLUE



BLACK



HUNTER GREEN



RED



PURPLE



PINK



BURGUNDY



CHARCOAL



DARK BROWN



FLUORESCENT ORANGE



GOLD



NAVY BLUE



TURQUOISE



MEDIUM BLUE



SILVER



KELLY GREEN



TEAL

NYLON

AVAILABLE COLORS & PATTERNS



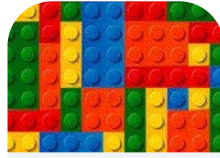
HEART GRAFFITI



PINK PAISLEY



CACTUS



DOT BLOCKS



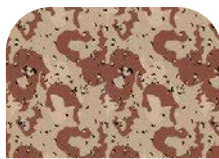
DIGI CAMO
WOODLAND GREEN



NAVY CAMO



MD CAMO



DESERT CAMO



PINK CAMO



DIGI CAMO
GRAY/BLACK



CHEETAH



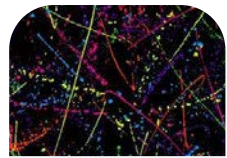
ANIMAL PRINT
BLUE



LEOPARD PINK



WHITE DOTS ON PINK



PAINT SPLATTER



SUGAR SKULLS

BINDING AVAILABLE



ROYAL
BLUE



BLACK



HUNTER
GREEN



RED



PURPLE



PINK



BURGUNDY



CHARCOAL



DARK
BROWN



FLUORESCENT
ORANGE



GOLD



NAVY
BLUE



TURQUOISE



MEDIUM
BLUE



SILVER



KELLY
GREEN



TEAL

RIPSTOP

Ripstop is a woven fabric that uses a reinforcing technique which makes it more resistant to tearing and ripping. Often made of Nylon, Ripstop is a lightweight material with interwoven ripstop reinforcement threads in a crosshatch pattern, making it look like a diamond stitching.

EXTREMELY RESISTANT

LIGHTWEIGHT

STRONG & DURABLE

DIAMOND STITCHING



RIPSTOP

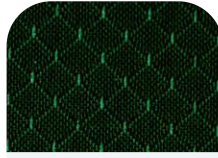
AVAILABLE COLORS & PATTERNS



ROYAL BLUE



BLACK



KELLY GREEN



HUNTER GREEN



RED



CINNAMON



TAN



LIGHT GRAY



PURPLE

BINDING AVAILABLE



ROYAL BLUE



BLACK



HUNTER GREEN



RED



PURPLE



PINK



BURGUNDY



CHARCOAL



DARK BROWN



FLUORESCENT ORANGE



GOLD



NAVY BLUE



TURQUOISE



MEDIUM BLUE



SILVER



KELLY GREEN



TEAL

PVC EASYCLEAN

PVC EasyClean is a thick fabric that provides a leather-like touch. Made of an ultra resistant material, it is - as the name suggests - very easy to clean: with a quick wipe it is clean and ready to go.

EASY CLEAN

LIGHTWEIGHT

STRONG & DURABLE

EXTREMELY RESISTANT

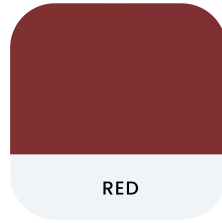
LEATHER TOUCH



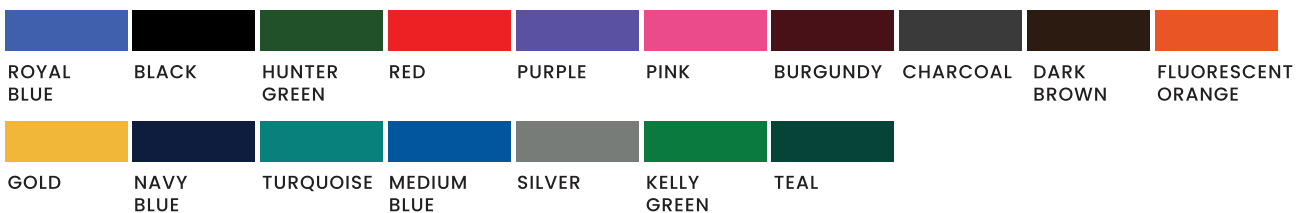
PVC EASYCLEAN

AVAILABLE COLORS & PATTERNS

*PVC fabric is being phased out; color availability is limited and subject to confirmation.



BINDING AVAILABLE



POLYTRON

Polytron is a smooth fabric with a soft touch. Manufactured in the U.S., it has flexible and comfortable qualities due to the Polypropylene it is made of. This lightweight material is also inherently stain resistant, PFC chemical free, and bleach cleanable.

FLEXIBLE & COMFORTABLE

LIGHTWEIGHT

STRONG & DURABLE

EXTREMELY RESISTANT

SOFT TOUCH



POLYTRON

AVAILABLE COLORS & PATTERNS



BINDING AVAILABLE

