

BIB STYLE THYROID SHIELD

CUSTOM LEAD WEARABLE



ABOUT US



Phillips Safety is a recognized leader in radiation protection, designing and manufacturing high-quality radiation safety products and specialized PPE. Family-owned and operated for over 100 years, we are known for precision manufacturing, technical expertise, and an unwavering commitment to protecting professionals working in high-risk environments.

Our leadership in radiation safety began with protective eyewear and has expanded to a comprehensive portfolio of radiation apparel, barriers, shielding drapes, and custom solutions used in medical, industrial, research, and veterinary settings. Today, Phillips Safety products are trusted in fluoroscopy suites, cath labs, operating rooms, radiology departments, and interventional environments worldwide.

At the core of our radiation apparel is Axion Core™ technology—advanced lead-free and low-lead composite materials engineered to provide dependable radiation attenuation with reduced weight and improved comfort. Available in Axion Core 1000, 2000, and 3000, these core options are designed to balance protection, durability, and ergonomics to meet the needs of a wide range of users.

All Phillips Safety products are manufactured to meet applicable safety and regulatory standards, including Regulation (EU) 2016/425, and are tested in accordance with EN 61331 standards. Through vertical integration and in-house expertise, Phillips Safety continues to deliver reliable, innovative radiation protection solutions professionals can trust.

PHILLIPS SAFETY LEAD APRONS

CONTENT

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Learn about our core materials, Axion Core™ technology, QuickShip options, and more.

02. Lead Wearable Style

Explore our wearable style, sizing options, and measurement guidance, if applicable.

03. Fabric Materials, Colors & Swatches

Discover available fabrics, colors, patterns, and customization options.



OUR 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 QuickShip 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 Axion Core™ 2000 cores. Standard colors in both Nylon and Ripstop fabrics allow for a shipping time within 24 hours.

PHILLIPS SAFETY LEAD APRONS

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, and 3000—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 the lightest lead-free cores on the market today, if not the lightest. 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.

BIB STYLE THYROID SHIELD

RA-TS-BIB



The Bib Style Thyroid Shield is a comfortable, effective collar designed to reduce radiation exposure, offering reassurance with its robust safety features. Both medical professionals and patients will find the Velcro straps convenient for easy adjustment and secure fit. Providing essential protection with a lead equivalency of 0.25mm Pb, 0.35mm Pb or 0.50mm Pb, this shield is crafted to prioritize safety during medical procedures.

Available in four core materials: Lightweight Lead, Axion Core™ 1000, Axion Core™ 2000, and Axion Core™ 3000, you can also choose between four fabrics: Nylon, Ripstop, Polytron, or PVC EasyClean, in a variety of colors. Each color option is carefully chosen to offer both functionality and aesthetic appeal, catering to diverse preferences in healthcare settings. Whether you're seeking reliable radiation protection or looking to inject a bit of color into clinical environments, the Bib Style thyroid x ray shield stands as a reliable choice for both practicality and style.

2-Year Warranty – Radiation protection apparel is covered against manufacturing defects.

AVAILABLE OPTIONS		
CORE MATERIAL Axion Core™ 1000, 2000, 3000, Lightweight Lead	LEAD EQUIVALENCY 0.25mm Pb, 0.35mm Pb, 0.50mm Pb	OUTER FABRIC Nylon, Ripstop, Polytron, PVC EasyClean

BIB STYLE THYROID SHIELD

HOW TO MEASURE

NECK CIRCUMFERENCE

Measure the circumference around the base of the neck, where the collar of a shirt would sit.

- Use a soft measuring tape.
- Keep the tape snug but not tight.
- Ensure it stays level around the entire neck.
- Take measurements while standing upright and facing forward.

TIPS FOR MEASUREMENT

- Measure while standing upright and looking straight ahead.
- Take measurements over the clothing typically worn under the shield.

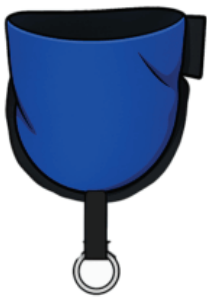
ATTACHMENT OPTIONS



Untethered



Buckle



Ring

SIZING CHART

UNISEX

SIZE	Width	Neck Fit Range
One Size - Standard Fit	22"	14"-17"

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

A large, stylized letter 'P' in a dark teal color serves as a background for the page. The 'P' is composed of thick, rounded strokes. The top of the 'P' is a semi-circle, and the vertical stem has a small horizontal bar at the bottom.

FABRIC MATERIALS, COLORS & SWATCHES

NYLON

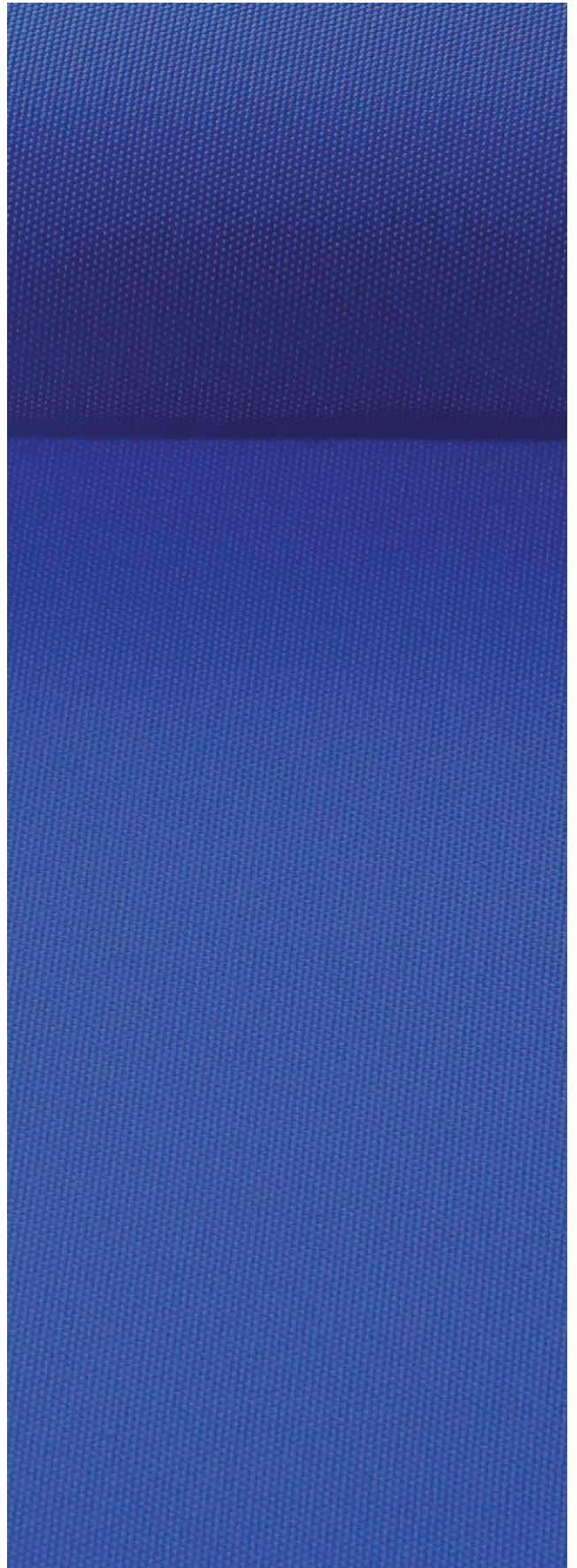
A classic lightweight fabric, Nylon is a synthetic material with high tenacity and excellent abrasion resistance. Nylon is also highly resilient, has good specific strength and provides high resistance to insects, fungi, molds, mildew, rot, and many chemicals.

EXTREMELY RESISTANT

LIGHTWEIGHT

STRONG & DURABLE

MULTIPLE OPTIONS



NYLON

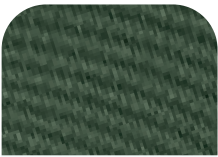
AVAILABLE COLORS & PATTERNS



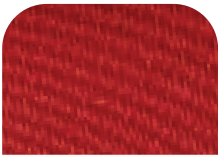
ROYAL BLUE



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



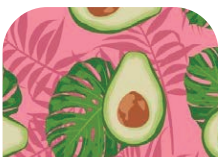
FLAMINGO



ORANGE HIBISCUS



HAWAIIAN FLOWERS



TROPICAL AVOCADO



PURPLE PLAID

BINDING AVAILABLE



BLACK



ROYAL
BLUE



HUNTER
GREEN



RED



PURPLE



PINK



BURGUNDY



CHARCOAL



DARK
BROWN



FLUORESCENT
ORANGE



GOLD



NAVY
BLUE



TURQUOISE



MEDIUM
BLUE



SILVER



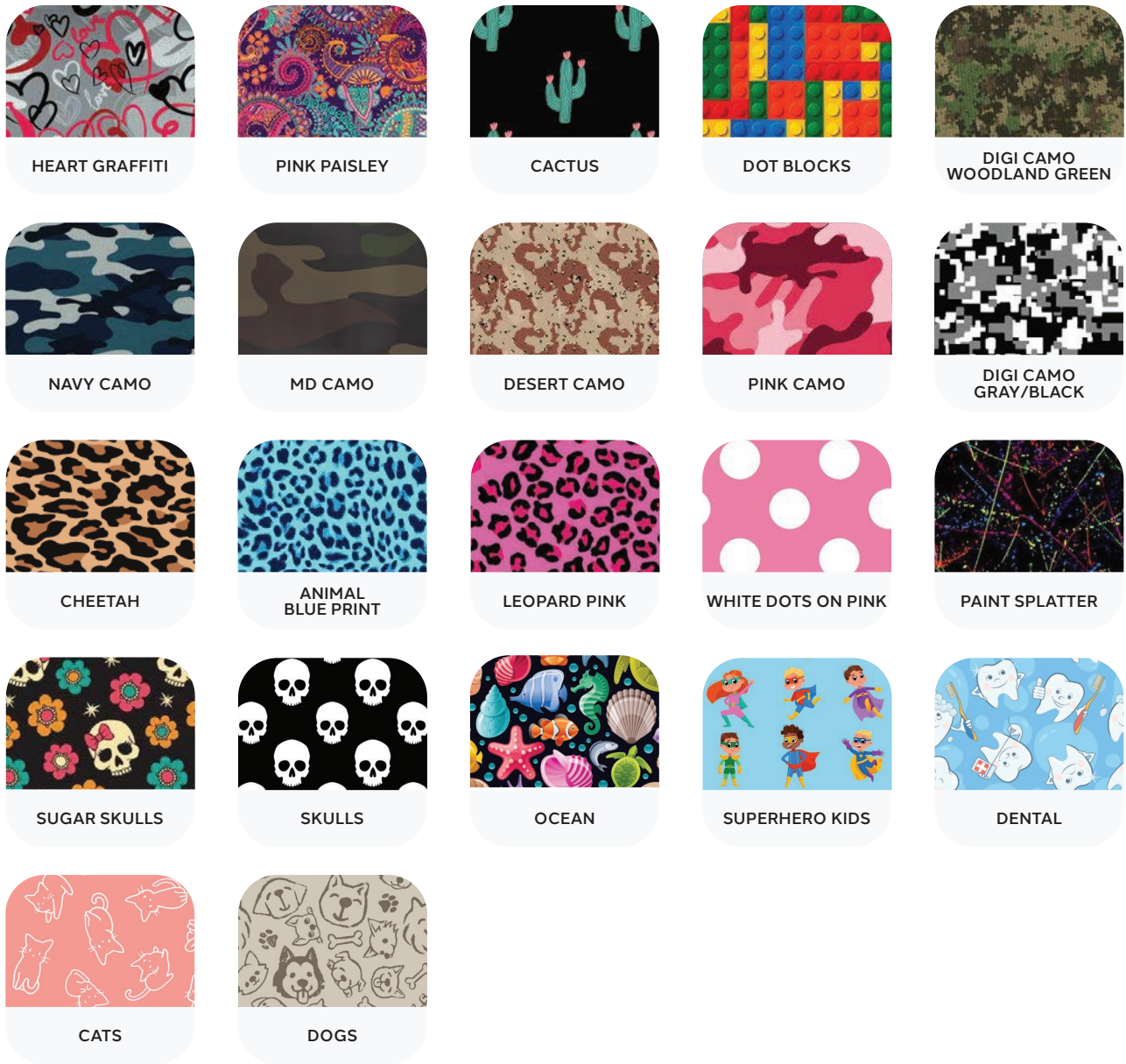
KELLY
GREEN



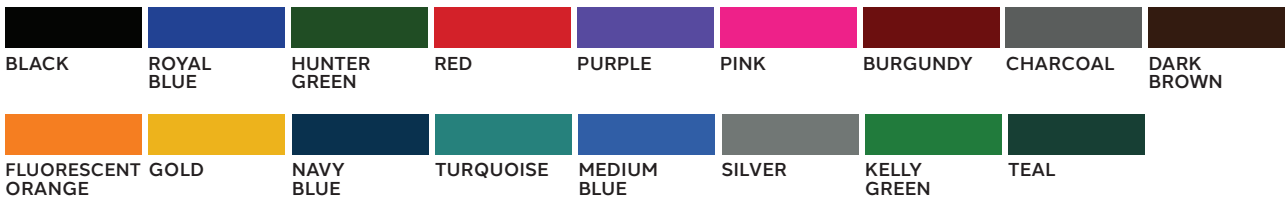
TEAL

NYLON

AVAILABLE COLORS & PATTERNS



BINDING AVAILABLE



RIPSTOP

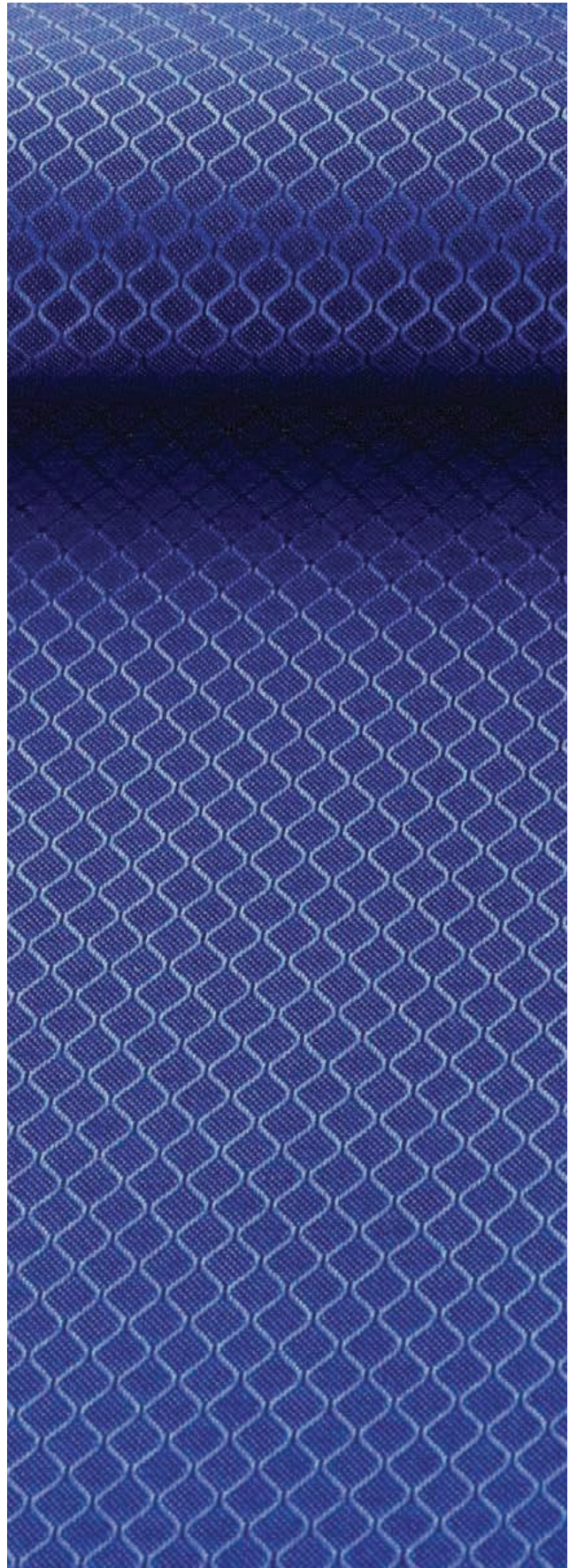
Ripstop is a woven fabric that uses a reinforcing technique which makes it more resistant to tearing and ripping. Often made of Nylon, Ripstop is a lightweight material with interwoven ripstop reinforcement threads in a crosshatch pattern, making it look like diamond stitching.

EXTREMELY RESISTANT

LIGHTWEIGHT

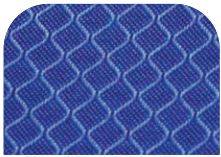
STRONG & DURABLE

DIAMOND STITCHING



RIPSTOP

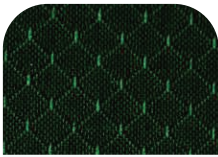
AVAILABLE COLORS & PATTERNS



ROYAL BLUE



BLACK



KELLY GREEN



HUNTER GREEN



RED



CINNAMON



TAN



LIGHT GRAY



PURPLE

BINDING AVAILABLE



BLACK



ROYAL
BLUE



HUNTER
GREEN



RED



PURPLE



PINK



BURGUNDY



CHARCOAL



DARK
BROWN



FLUORESCENT
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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.

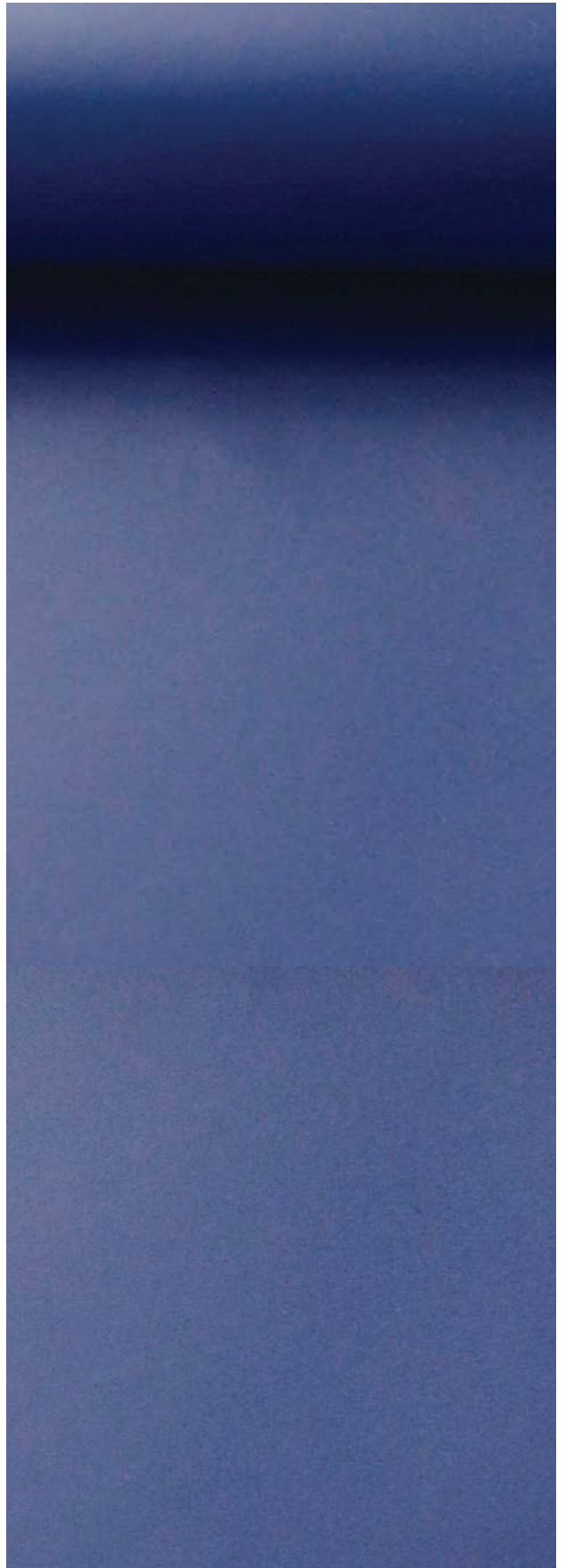
EASY CLEAN

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



CYAN



PINK



PURPLE



RED



PIRATE



CAMO



PLANETS



LEOPARD

BINDING AVAILABLE



BLACK



ROYAL
BLUE



HUNTER
GREEN



RED



PURPLE



PINK



BURGUNDY



CHARCOAL



DARK
BROWN



FLUORESCENT
ORANGE



GOLD



NAVY
BLUE



TURQUOISE



MEDIUM
BLUE



SILVER



KELLY
GREEN



TEAL

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 materials is also inherently stain resistant, PFC chemical free, and bleach cleanable.

FLEXIBLE & COMFORTABLE

LIGHTWEIGHT

STRONG & DURABLE

EXTREMELY RESISTANT

SOFT TOUCH

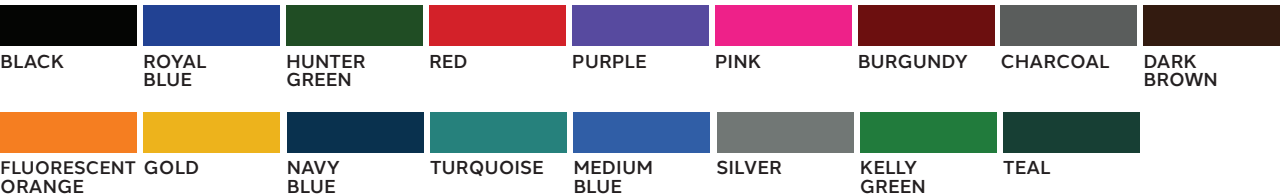


POLYTRON

AVAILABLE COLORS & PATTERNS



BINDING AVAILABLE



EMBROIDERY

If you want a personalized thyroid shield, Phillips Safety offers the option to add embroidered logos or text directly onto the collar. You can customize the text however you'd like, with a maximum of 25 characters.

Choose from two elegant font styles: the classic sans-serif Arial or the stylish script Parkside. To make it truly yours, select from a variety of vibrant embroidery colors to complement your shield's design.



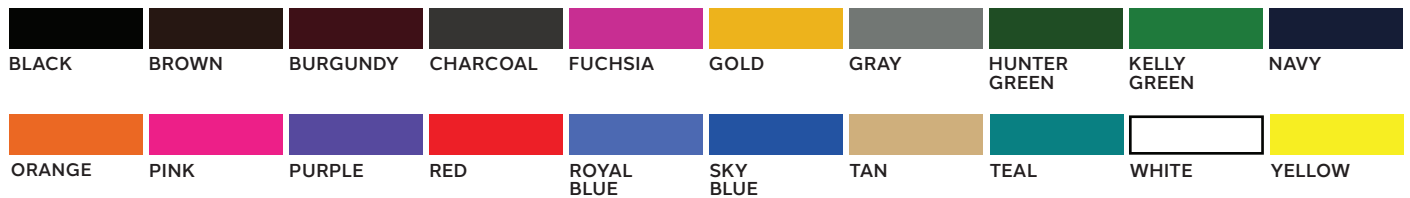
FONT: ARIAL



FONT: PARKSIDE



COLORS AVAILABLE



AVAILABLE FOR LEAD APRONS AND THYROID SHIELDS

CONTACT

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