

**PROTECH**  
MEDICAL

**Premium Radiation  
Safety Apparel and  
Shielding Catalog**

Made in the USA since 1994



**2026**



# ABOUT PROTECH

## MANUFACTURER INFO

### FDA Listing

**OWNER/OPERATOR #:** 10025412

**FDA LISTING NUMBER:** D048258

**PRODUCT CODE:** IWO

**DEVICE CLASS:** #1

**REGULATION #:** 892.6500

**OSHA REGULATION:** 1910.1096

### Quality System

**ISO 9001:2015**

**EU/UKCA 2016/425, MODULE D, B**

**CE**  
2895

**ISO**  
9001:2015

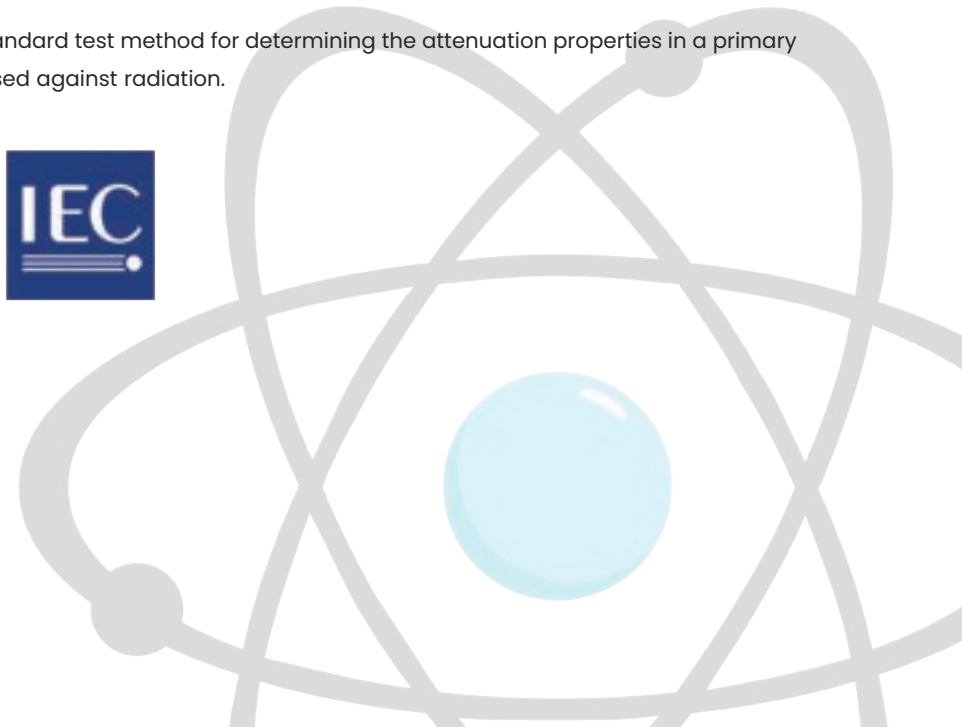
## COMPLIANCE

Protech has expertly crafted radiation protective garments for over 20 years. Our extensive product knowledge incorporates high-quality control systems as well as comprehensive regulatory testing.

**IEC 61331-1:2014: (EU)** Protective devices against Diagnostic Medical X-ray radiation.  
(Determination of attenuation properties of material)

**IEC 61331-3:2014: (EU)** Protective devices against diagnostic medical X-radiation Part 3: Protective clothing, Eyewear and Protective Patient shields.

**ASTM 2547-18: (USA)** Standard test method for determining the attenuation properties in a primary x-ray beam of materials used against radiation.





WE ARE A FAMILY JUST LIKE YOURS.  
COMMITTED TO **MANUFACTURING IN THE USA**  
AND SOURCING LOCALLY.

Protech is a family-owned and operated manufacturer of high-quality radiation protection apparel based in South Florida. We continue to innovate stylish, lightweight products while remaining firmly committed to quality, integrity, and craftsmanship.

Our customer-driven approach is backed by a comprehensive product portfolio and world-class service. Thanks to your support, our small family business has grown into a global leader in radiation safety.

Our Italian heritage has taught us the importance of family. When you wear a Protech product, you support the many Protech families who work hard every day to serve people just like you.

## OUR **MISSION** STATEMENT

Our mission is to keep you safe by reducing your exposure to ionizing radiation and its harmful effects while offering innovative, lightweight and stylish solutions. The Protech team is a dedicated group of professionals that takes great pride in its work.

Our entire team understands the importance of the products we manufacture and how they contribute to your wellbeing. By focusing on our core principles (Quality, Integrity and Service) we are able to offer high-quality, more protective products.

**Protech's passion is, and will always be, your safety.**





WE ALL HAVE TO START SOMEWHERE. OUR SOMEWHERE BEGAN IN **1989**, WITH RON & LEADED EYEWEAR.

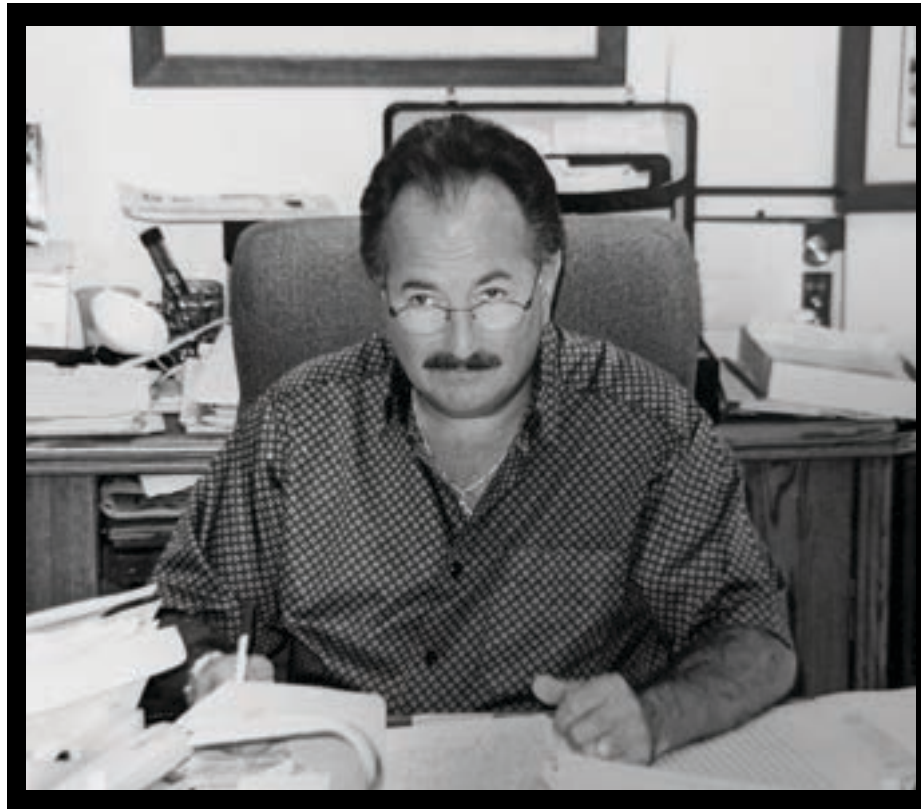
In 1989, Ronald Parasmio, a licensed optician in the state of Florida, was approached with an unusual request: repair a pair of leaded glasses used by a physician for protection against ionizing radiation. Ron quickly sourced the necessary materials and completed the repair with such quality that the customer began sending additional work his way.

As demand for leaded eyewear repairs grew, Ron launched his own line of radiation protective eyewear, and in 1994, Protech Leaded Eyewear was officially incorporated. In 1997, Protech developed one of the market's most recognized products: ProGuard radiation-reducing gloves for fluoroscopic procedures, approved through FDA 510(k).

In the early 2000s, the success of Protech's gloves and eyewear inspired a broader vision. The company set out to become a one-stop shop for radiation protection by introducing its own line of high-quality, lightweight, customizable aprons. Through the dedication of many talented employees, the apron business took root, and Protech evolved from an emerging disruptor into a full-scale radiation protection manufacturer.

In 2014, Ron's son, Jarrod, joined Protech to help modernize and revitalize the business through new products, expanded capabilities, and a renewed strategic vision. In 2016, Jarrod's longtime partner, Rachael, joined the company, bringing her own leadership, creativity, and commitment to Protech's growth. Together, Jarrod and Rachael have helped transform Protech into a more innovative, global, and customer-focused organization while continuing the family values on which it was built.

Today, Protech serves customers in more than 50 countries and is recognized as one of the world's leading manufacturers of radiation safety products, known for its quality, service, and integrity.



IN LOVING MEMORY

# RON PARASMO

Sept. 1, 1953 - Jan. 22, 2022

With love and gratitude, we honor the memory of Protech founder Ron ParasmO.

Ron built Protech with vision, determination, and heart. He believed in working hard, treating people right, and never losing your sense of humor along the way. His generosity, passion, and gift for laughter left a lasting mark on everyone who knew him.

More than the founder of this company, Ron was the spirit behind it. His values continue to guide us, his example continues to inspire us, and his legacy lives on through the family, team, and company he helped build.

He is deeply loved, and he will always be remembered.

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## OUR SERVICES

# APRON RENTALS

For those who need temporary radiation protection, Protech rental aprons offer a convenient and reliable solution. Rental aprons are ideal for continuing education courses, cadaver workshops, and any event involving fluoroscopy or radiation protective apparel. There is no need to purchase and store large quantities of inventory for short-term use. Protech maintains a large selection of in-stock rental aprons available year-round, with quantities of up to 150 aprons available with as little as 48 hours' notice.

### The Particulars

Our rental aprons are made with Prolite lead-free core material and antimicrobial Satinguard fabric. Standard rentals are available in 0.35 mm lead equivalency in the front and 0.25 mm in the back for full-protection styles. Optional 0.50 mm front protection is also available.



## AVAILABLE RENTAL STYLES

### Front Protection Aprons

The Flexback apron is our most popular rental style thanks to its comfort, lightweight design, and ease of use. We stock more than 150 Flexback aprons in a range of sizes.

Flexback sizes available:

- Small, Medium, Large, X-Large, 2XL

### Full Protection Aprons

For customers seeking maximum coverage, Protech also offers full-protection rental aprons with protection in both the front and back. Most full-protection rental aprons are available with 0.35 mm or 0.50 mm protection in the front and 0.25 mm protection in the back. Because full-protection rentals are requested less frequently, quantities are limited.

Full protection styles available:

- Balance Vest and Skirt Apron

Sizes available:

- Small, Medium, Large, X-Large

## OUR SERVICES

# REPAIRS AND ALTERATIONS

Protech specializes in the repair and alteration of radiation protection garments, drapes, curtains, and other protective apparel, including many competitor products. We are confident in the durability of our garments and their ability to meet the rigorous demands of healthcare professionals, but accidents happen and years of use can take their toll. Whether your garment needs a minor repair or more extensive restoration, our experienced repair and seamstress team is here to help.

### Common Repair Services

Protech welcomes almost any repair challenge. Some of our most common repair services include:

- Buckle or hook-and-loop replacement
- Fabric replacement
- Core material patchwork for Protech aprons only
- Binding reinforcement

### Common Alteration Requests

Need a better fit, added features, or a functional update? Some of the most common alterations we accommodate include:

- Size reductions, including side seam adjustments and length reductions
- Sleeve, wing, or suspender additions
- Embroidery additions, which may require fabric replacement
- Style conversions, such as adding drop shoulders to a vest



### Important Notes

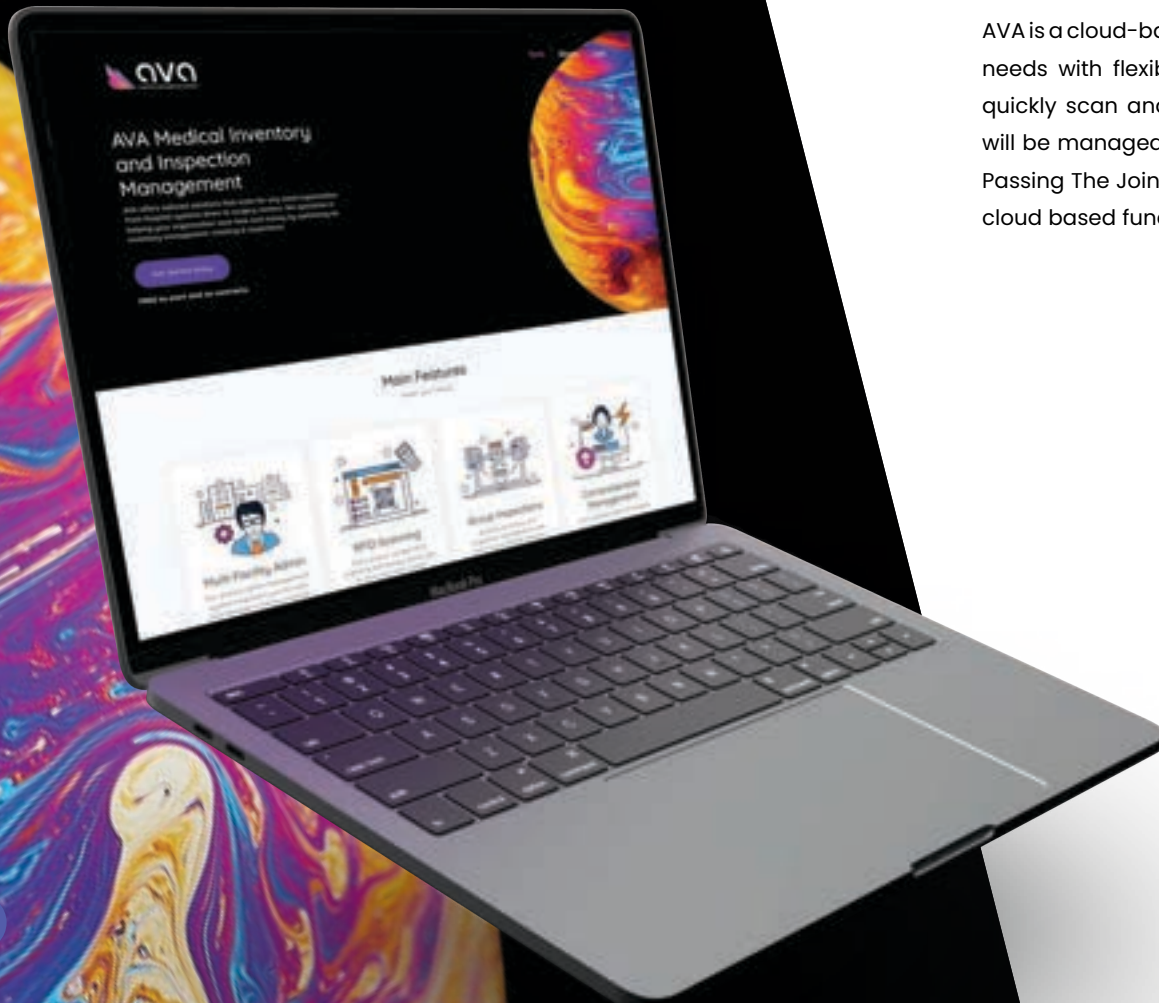
Before sending in your garment, please contact Protech or your local representative and complete an RMA form. Protech will assign an RMA number, which should be included on the form and clearly marked on the package to help our team identify and process your request. An RMA evaluation fee applies to assess the garment. Fees vary depending on the type of piece and the complexity of the requested repair or alteration. If a lead garment is determined to be unsalvageable, Protech can dispose of it for a per-piece fee and provide a letter of destruction if needed. Garments may also be returned using either your shipping label or a Protech shipping label, with applicable shipping charges.

Because we also service garments from other manufacturers, some replacement materials may not be exact matches, including fabric colors, closures, or thyroid collar attachments. Our team will always work to provide the best like-for-like option available. Please note that Protech cannot perform core material patchwork on garments from other manufacturers, as attenuation materials vary by brand



# INSPECTIONS AND INVENTORY MANAGEMENT

AVA is a cloud-based, enterprise-level software designed to scale for your organizational needs with flexibility and efficiency. AVA offers RFID capabilities that enable you to quickly scan and inspect multiple garments at the same time. Your inventory items will be managed from the minute your order is placed and throughout their life cycle. Passing The Joint Commission (TJC) inspections will no longer be a burden with AVA's cloud based functionality and easy reporting.



**Start for FREE with AVA**

**AVA BASIC is free to use!** No setup fees or contracts required. Our Basic subscription offers industry leading features; suitable for all facilities small and large.



**RFID Reader**  
(Your Magic Wand)

## The AVA Smart Tag

All garments purchased through Protech come fitted with an AVA smart tag. The AVA smart tag features both a QR code and an RFID inlay so you can easily scan your garments. Paired with a unique garment ID and hook and loop color indicators, keeping track of your garments has never been easier.

The best part? Scan all your aprons at once. On a rack or in a storage closet, our RFID reader can handle it!

## Retrofitting Your Apron

Didn't purchase your apron with Protech? Not a problem. AVA works with or without AVA's Smart Tags and can utilize old ID tags. However, retrofitting your apron with an AVA Smart Tag is easy! Simply contact us and we'll supply everything that you need.



# AVA: APRON INSPECTIONS & INVENTORY MANAGEMENT

## AVA SUBSCRIPTION OPTIONS

AVA is a cloud-based solution, meaning, as long as you have internet and a device (phone, computer, tablet etc), you have access. It also operates independently from your hospital's network, streamlining the implementation process.

### BASIC

- Record inspection results for large groups of aprons at one time.
- Manage hospital facilities, departments, and users together with 1 login.
- Keep track of all your garments (from any manufacturer) in one convenient location.
- Bulk upload tools for easy inventory migration.
- Choose between multiple user roles for managed access to the system.

### ENTERPRISE

- Everything in the Basic plan, plus...
- Bulk scan & inspect garments with RFID (even through a locker).
- Managed inventory migration from your current provider.
- Unlimited departments and users
- Additional reports for you and The Joint Commission.
- Custom Inventory Groups
- Manage cleaning records independently from your imaging records.

### COMPLETE

AVA Complete delivers a comprehensive, outsourced garment management program. From initial onboarding and tagging to annual inspections, sanitization, and audit-ready reporting, Protech ensures full lifecycle control of your radiation protection inventory. Garments requiring repair, replacement, or disposal are clearly identified and managed, driving compliance, accuracy, and operational efficiency across your facilities.

### Are you protected?

During an AVA Complete inspection, we upload an x-ray scan of your garment directly into AVA. You'll know right away if your protection is compromised or not!



# AVA: APRON INSPECTIONS & INVENTORY MANAGEMENT

## AVA SUBSCRIPTION OPTIONS

	BASIC	ENTERPRISE	COMPLETE
Annual Cost	Free	Variable	Variable
Departments & Users	✓	✓	✓
Multi-user Roles	✓	✓	✓
Inspections & Inventory Reports	✓	✓	✓
Multi-Facility Management	✓	✓	✓
RFID Group Scan Inspections	-	✓	✓
Migrations Services	-	✓	✓
Technical Support	-	✓	✓
Inspection Services	-	-	✓
Cleaning Services	-	-	✓
Item Onboarding	-	-	✓
Notification Settings	Limited	Advanced	Advanced

### Backed by industry leaders

We have 1,000's of aprons to inspect on a tight budget and with limited time. Our old inspection software simply wasn't up to task. AVA's responsive staff imported our aprons in time for inspection and have ensured a smooth transition.

--- Lahey Hospital and Medical Center

"Our existing tracking software was insufficient for our needs. AVA's time-saving features became apparent right away. Their RFID technology was great for scanning groups of aprons and the group inspections integrated perfectly into that process. We are happy with the software and look forward to AVA's many new innovations to come."

-- Northshore Medical

We decided on AVA because of its emphasis on inventory management, not just inspections. AVA's intuitive software made learning it a breeze. We were able to quickly retrofit our existing aprons and take control of our inventory challenges.

-- Huntington Hospital

We wanted a software that could help manage apron inventory and improve inspection accuracy. We felt that the free softwares and apps were inadequate. Some of them even required employees to use their own personal devices. AVA was the only true enterprise software that delivered on what we were looking for."

--- Stamford Hospital

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Lead garments are worn by healthcare professionals to help reduce exposure to scatter radiation during procedures involving x-ray imaging and fluoroscopy. Lead aprons are often used in combination with other radiation protection products to provide more complete coverage during procedures where radiation exposure is a concern.

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# APRONS

## Flexible, tailored aprons proudly made in the USA

Protech specializes in custom-made aprons tailored to the size, shape, and contours of each wearer for a more precise, comfortable fit. Because every body is different, our aprons are designed to conform more naturally to individual curves while delivering the coverage and wearability healthcare professionals need throughout the day. With more than 200 fabric colors available for the exterior, interior, and binding trim, each garment can also be personalized to reflect your preferences and workplace environment. Embroidery, logos, and other add-ons allow for an even more customized finish.

Handcrafted using proprietary polymer technology, Proguard Aprons are engineered to be lighter, more flexible, and more durable than many competitive alternatives.

In support of our commitment to quality, Proguard Aprons are proudly made in the USA by highly trained professionals and backed by a 2-year warranty. Protech follows ISO quality management guidelines and serves customers in markets around the world, including Latin America, Europe, and Asia.



# APRON BUYER'S GUIDE

The right radiation protection apron should support the way you work, the procedures you perform, and the level of comfort you need throughout the day. Because no two roles, body types, or preferences are exactly alike, Proguard aprons are designed to offer a high degree of customization in fit, protection, and style.

From custom sizing and fabric selections to added protection features such as sleeves or axillary wings, each garment can be configured to meet your specific needs. Many professionals also choose to personalize their apron with embroidered names, titles, or department identifiers for a more professional appearance and easier identification in busy clinical environments.

When selecting an apron, it is important to consider factors such as procedure type, procedure length, body type, range of motion, and personal comfort preferences. The right combination of style, protection, and features can make a meaningful difference in both wearability and long-term satisfaction.

## 1

# APRON BUYER'S GUIDE: STEP 1

## CHOOSE YOUR APRON STYLE

## 1



### FRONT PROTECTION APRONS

Front protection aprons provide radiation **protection in the front only** and are generally more forgiving than full protection styles. Because they contain less protective material, they tend to be **lighter, more flexible, and easier to wear for extended periods**. These aprons are an excellent choice for short to moderate procedures where the risk of lateral or rear exposure is low. If you are looking for a reliable, lightweight front protection apron, the **Flexback** is a clear customer favorite.



Wraparound

Vest/Skirt

### FULL PROTECTION APRONS

Our primary full protection styles include Wraparound aprons (one-piece) and Vest/Skirt combinations (two-piece). Because full protection aprons are designed to provide coverage in both the front and back, achieving the **proper fit is especially important** for comfort, protection, and long-term wearability. Protech offers a wide range of customizations and add-ons to help ensure the right fit for each wearer.

Wraparound aprons provide maximum coverage from front to back and are an **excellent choice for longer procedures with higher exposure**. Because they contain more protective material than front protection styles, they are **typically heavier**. Compared with Vest/Skirt combinations, Wraparound aprons are often easier to don, though they place more weight directly on the shoulders.

Vest/Skirt aprons are ideal for those seeking **maximum protection during prolonged procedures** where lateral or back exposure is a concern. Due to the overlapping protection between the vest and skirt, they often contain more protective material than other styles. However, they can **shift up to 50% of the weight burden away from the shoulders**, which many users find improves comfort and mobility during longer cases.

# CHOOSE YOUR CORE MATERIAL

Each Protech core material is designed to offer a different balance of weight, flexibility, and radiation attenuation, allowing customers to choose the level of protection that best fits their clinical needs. In general, **higher protection levels increase attenuation but also add weight.** A garment's protection level is typically expressed as lead equivalence (LE), and the appropriate LE should be selected based on factors such as procedure type, duration of exposure, beam intensity, and facility requirements. For shorter or lower-exposure procedures, 0.25 mm or 0.35 mm LE may be appropriate, while 0.50 mm LE is commonly recommended for longer procedures or those involving greater exposure. Before purchasing, always confirm any minimum lead equivalency requirements with your hospital, department, radiation safety officer, or applicable state or local regulations.

Protech's standard thickness options include 0.25 mm, 0.35 mm, and 0.50 mm LE, with 0.35 mm and 0.50 mm LE being the most commonly selected. Additional options, including 0.70 mm and 1.00 mm, are available upon request. **Standard protection for most lead garments is 0.50 mm LE in the front and 0.25 mm LE in the back.** For other product categories, such as dental aprons and certain accessories, standard lead equivalency levels may vary.

### CORE MATERIAL OPTIONS



#### ASTM + IEC



Lead



T-Lite



Prolite IEC



#### ASTM ONLY



Prolite



Premier



Nano

### CORE MATERIAL THICKNESSES



0.25

#### Lightest

Attenuates from  
86-91% @ 90kV



0.35

#### Optimal

Attenuates approx.  
94% @ 90kV



0.50

#### Standard

Attenuates approx.  
97% @ 90kV

# A "WEIGH BETTER ALTERNATIVE" THE LIGHTEST CORE MATERIAL. PERIOD.

Nano is the lightest material available on the market, engineered exclusively to reduce the weight of your apron and support musculoskeletal health.

Manufactured from a proprietary blend of x-ray attenuating metals, Nano delivers excellent protection across optimal kV ranges at a fraction of the weight of traditional lead aprons.

Highly Flexible

Lead-Free

Optimal kV protection

Designed for Musculoskeletal Health

Tested to ASTM 2547-18



## NANO

### NANO VERSUS LEAD

**7lbs**

Large Nano  
Frontal Apron



**10.5lbs**

Large Lead  
Frontal Apron

**12lbs**

Large Nano Vest  
and Skirt Apron



**18lbs**

Large Lead Vest  
and Skirt Apron

3

### APRON BUYER'S GUIDE: STEP 3

# CHOOSE YOUR FABRIC COLORS

3

Select the exterior, interior, and binding colors for your apron to create a look that fits your style and workplace. For an elevated finish, LuxRay color accents are also available. Whether you need an easy-to-clean performance fabric or want a design that stands out in the OR, Protech offers a wide range of fabric options to suit your needs. You can view all available [fabric colors on pages 33–41](#).

Each year, we introduce a new Special Edition fabric collection. Help us shape next year's lineup by sharing your input.



4

## APRON BUYER'S GUIDE: STEP 4 CHOOSE CUSTOMIZATIONS

4



Every clinician works differently, and your apron should reflect that. Protech's customization options are designed to enhance comfort, protection, and personal style without compromise. Features like CoolGuard back mesh help keep you cool during long procedures, while apron sleeves or axillary wings provide added protection for the radiosensitive, axilla region. To make it your own, Luxray pattern accents and custom embroidery add a distinct, professional look, resulting in an apron that performs better, feels better, and is uniquely yours.



Snap-on  
axillary wings



Snap-on  
apron sleeve



Velcro patch  
Embroidery

# TAKING CARE OF YOUR APRON

## CLEANING YOUR GARMENT

Establishing a consistent cleaning schedule is important to help reduce the risk of pathogen transmission and maintain the condition of your garment. Protech recommends cleaning your apron promptly after each use.

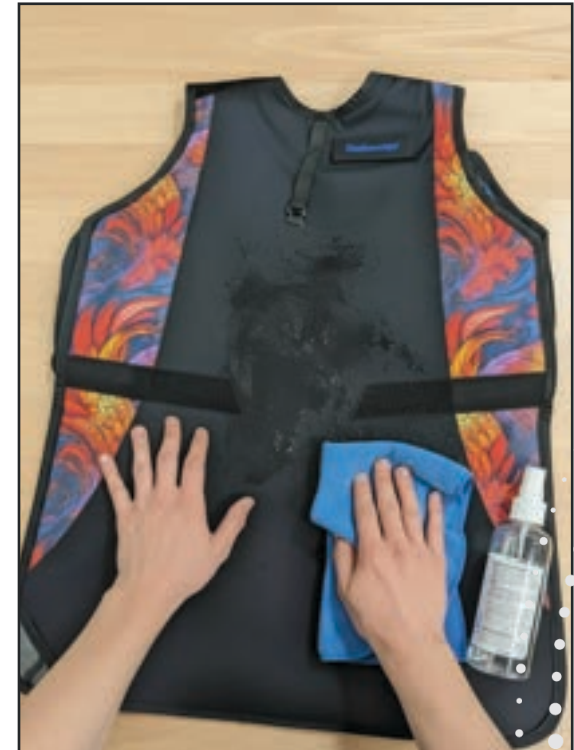
Most surface dirt and common stains, including blood, bodily fluids, and barium contrast media, can be cleaned using room-temperature water together with one of the following: mild diluted soap, alcohol-based wipes, ammonium-based wipes, or highly diluted Clorox hydrogen peroxide. Protech recommends using hydrogen peroxide sparingly, as repeated long-term use may contribute to material degradation over time.

Always apply cleaning solutions with a soft cloth or wipe, and use room-temperature water only.

Please Note: When exposure to biohazardous materials is a concern, Protech recommends using an additional protective barrier, such as an SMS gown, over the apron.

### Examples of Approved Cleaners

- Clorox Healthcare Hydrogen Peroxide Cleaner Disinfectant Wipes
- PDI Sani-Cloth® AF3 Germicidal Disposable Wipes
- PDI Super Sani-Cloth® Germicidal Disposable Wipes
- CaviCide® wipes
- Alcohol and Ammonium based cleaners are strongly recommended
- Sodium Hypochlorite (bleach) cleaners, while acceptable, result in minor degradation over time



### DO NOT

- Do not machine wash or dry your apron
- Do not use hot water
- Do not iron or autoclave



## TAKING CARE OF YOUR APRON

# APRON STORAGE & INSPECTIONS



When not in use, garments should be stored on an appropriate hanger or with Protech apron storage equipment. Recommended storage options include valet racks, Z-racks, apron hangers, and closets. If a hanger is not available, the garment should be laid flat on a clean surface. For transportation, garments should be carefully rolled rather than folded and placed in a box or Protech duffle bag.

Our full line of apron storage solutions can be found at the end of the apron section.

To help preserve the integrity of the protective core material, **do not fold aprons for extended periods**, as this can increase the risk of creasing or cracking. Garments should also be kept away from sharp objects, direct sunlight, and prolonged exposure to high heat. Recommended storage temperature is 70–80°F (21–27°C), with an approximate allowable range of 60–100°F (16–38°C).

## Annual Inspections

Annual garment inspections are an important part of many facility compliance and radiation safety programs. Because this process often falls on busy technologists and staff, it can take valuable time away from patient care and daily responsibilities. AVA helps simplify inspections and inventory management with enterprise-level technology designed to make the process faster, easier, and more efficient. For more information, please refer to pages 10–13.



# AVA

Inspections and  
Inventory Management

# APRON MEASUREMENTS

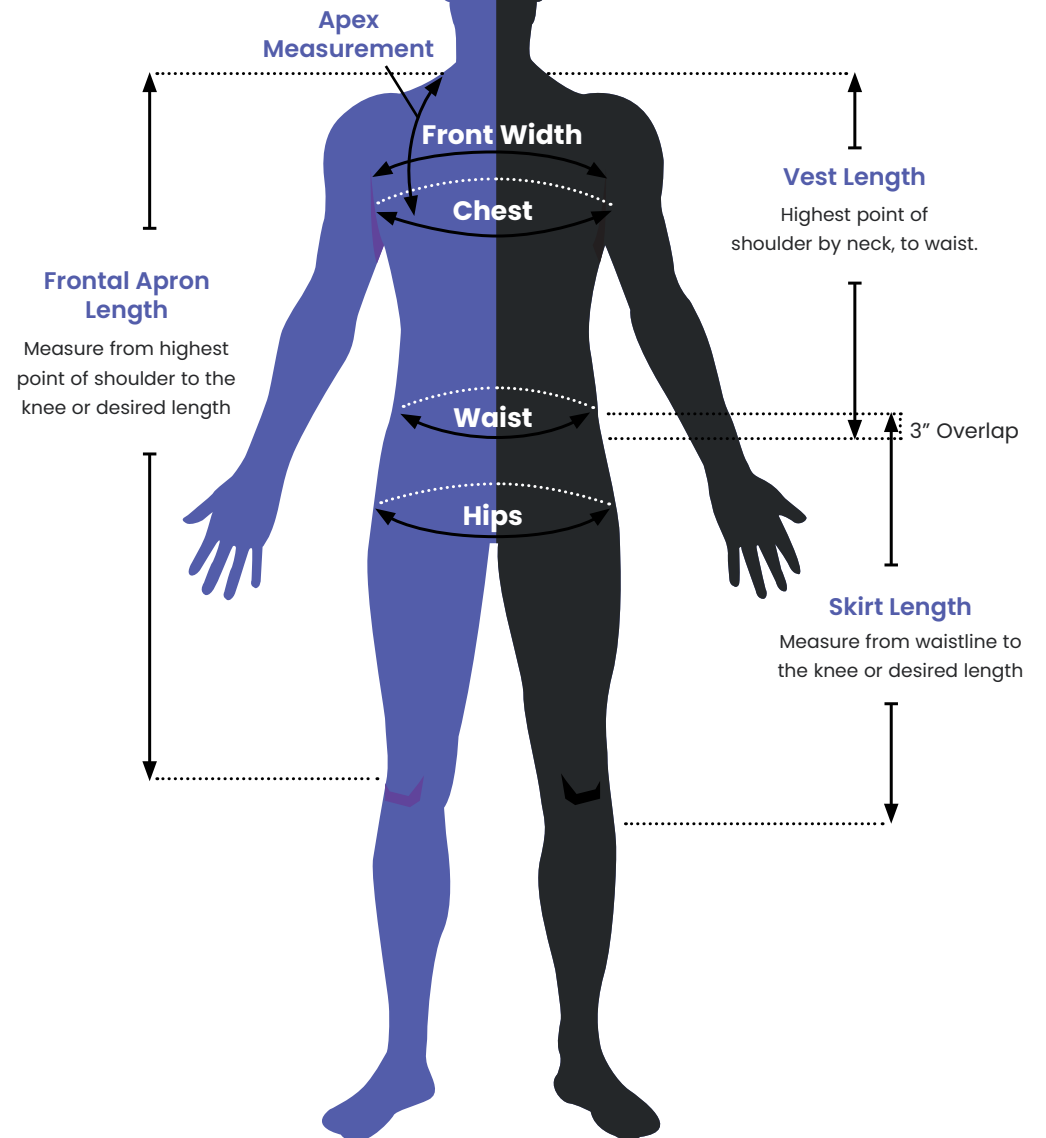
Having a well-fitted apron optimizes for comfort, maximizes protection, and improves longevity. An apron that's too big will leave you with gaps in protection and an apron that's too small will leave you uncomfortable and restrict movement during procedures. Protech offers standard and customized sizing options to deliver the best experience and value. When determining the best option, review our measuring instructions and size charts on the following pages.

While most people can fit into a standard size apron, many prefer a custom fit due to unique proportions or to ensure adequate coverage of radio-sensitive areas. For high-quality, tailored aprons, Protech prides itself on being the best in industry!

Nervous about getting it right? You can contact us at 561.627.9769 or [sales@protechmed.com](mailto:sales@protechmed.com) and we'll be happy to assist you. We have sales reps and local representation throughout the United States and in over 50 countries!

ALL FRONTAL & WRAP APRONS

TWO-PIECE VEST & SKIRT APRONS



# MEASUREMENTS AND SIZING

## HOW TO MEASURE



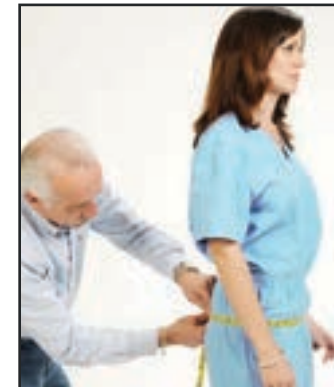
### Chest Measurement

Measure around the largest circumference of the bust area, keeping the tape parallel to the floor with the client's arms at their sides. Do not measure tightly



### Waist Measurement

Measure around the smallest circumference of the torso. If you measure at waist level it may be inaccurate.



### Hip Measurement

Measure around the largest circumference of the hips and buttocks with the tape parallel to the floor: generally 8-9 inches down from the waist.



### Front Apron Length Measurement

Measure from the top of the shoulder over the bust to the desired length. Do not contour the tape measure in under the bust.



### Vest Length Measurement

Measure from the top of the shoulder over the bust to the desired length. Do not contour the tape measure under the bust.



### Skirt Length Measurement

Measure from the top of the pant line (waist) and over the outside of the hip down to the desired length.



### Apex adjustment

The Apex Adjustment is a necessary alteration to add or remove excess material near the shoulder area resulting when a customer has highly varied measurements. **Ex.** Chest measurement is Large and the Waist measurement is 3XL: the resulting apron may have excess material in the shoulder because this apron will be cut from a larger pattern which assumes the wearer is taller. An Apex Adjustment of .5 to 1 inch would need to be made in order to remove excess material and eliminate "gapping."

# MEASUREMENTS AND SIZING

## APRON SIZE CHARTS

### WOMEN

#### GENERAL APRON SIZING

	XS	Small	Med	Large	XL	2XL	3XL
<b>Height</b>	5'1"	5'2"	5'5"	5'8"	5'10"	5'11"	
<b>Chest</b>	36	38	40	43	46	49	52
<b>Waist</b>	25	27	29	32	35	40	44
<b>Hips</b>	35	37	39	42	46	48	52
<b>Frontal Length</b>	33	34	36	38.5	40.5	42.5	42.5
<b>Frontal Width</b>	18	19	20	21	23	24	26
<b>Vest Length</b>	19	22	22	22	22	23	23
<b>Skirt Length</b>	20	20	22	22.5	22.5	22.5	24
<b>WABR Length</b>	33	34	37	40.5	42.5	42.5	44.5

#### TRI-TAB APRON SIZING

	Small	Med	Large	XL	2XL
<b>Chest</b>	38	40	43	46	49
<b>Vest Length</b>	22"	22"	22.5"	23"	26"

#### General Instructions

Standard sizes shown above apply as upper limits. If your measurements fall above a size's specified limit, we recommend you size up for additional allowance, aka "wiggle room." There is NO standard size allowance added so we recommend that you incorporate an additional 1-2" of "wiggle room" for the Chest measurement.

#### Length Adjustments

Length adjustments vary depending on your height and the required length adjustment to ensure your apron reaches around your knee cap. Any additional inches (up to 6") incur extra fees.

#### GENERAL APRON SIZING

	XS	Small	Med	Large	XL	2XL	3XL
<b>Height</b>	5'2"	5'4"	5'8"	5'11"	6'2"+		
<b>Chest</b>	39	42	45	49	53	57	61
<b>Waist</b>	32	34	38	42	46	50	54
<b>Hips</b>	34	36	40	44	48	52	56
<b>Frontal Length</b>	34	34	37	40.5	42.5	42.5	45.5
<b>Frontal Width</b>	19	21	22	24	26	28	30
<b>Vest Length</b>	22	22	24	25	25	25	28
<b>Skirt Length</b>	20	20	20	21	21	22	22
<b>WABR Length</b>	36	36	38	40.5	42.5	42.5	45.5

#### TRI-TAB APRON SIZING

	Small	Med	Large	XL	2XL
<b>Chest</b>	42	45	49	53	57
<b>Vest Length</b>	25"	27"	27.5"	28.5"	28.5"

#### Custom Sizing Allowances aka "Wiggle Room"

- All Styles XS to XL, by default, will be made with a +1" allowance in the Chest + Skirt waist - aka "wiggle room."
- All Styles 2XL to 4XL, by default, will be made with a +2" allowance in the Chest + Skirt waist - aka "wiggle room."
- If you do not want "wiggle room", you must specify.

#### Quality Assurance Size Tolerances

For all apron styles, our allowed size tolerances are -0 (no underage) up to +1".

### MEN

## MEASUREMENTS AND SIZING

# ACCESSORIES AND PEDIATRIC SIZE CHARTS



### THYROID COLLAR SIZING\*

	Small/Reg.	Med	Large	XL
<b>Original &amp; Standard Thyroid</b>	13-14"	15-16"	17"+	Custom
<b>Proguard Thyroid</b>	21"	22"	23"	24"
<b>SG Disposable Thyroid</b>	13-16"	-	17-20"	-
<b>Visor Thyroid</b>	25"	-	27"	-
<b>Bib &amp; Mammography Thyroid</b>	One size fits all			

\*Measurements of neck circumference



### HEAD CAP SIZING\*

	Small	Med	Large	XL
<b>Head Cap</b>	21"	22"	23"	24"
<b>Page Cap</b>	21"	22"	23"	24"
<b>Proguard Smart Cap</b>	21-22"		23-25"	
<b>SG Disposable Smart Cap</b>	21"	22"	23"	-

\*Measurements of head circumference



### KIDS APRON SIZING\*

	Small	Medium	Large
<b>Dimensions</b>	12 x 24"	14 x 26"	16 x 28"
<b>Ages</b>	Ages 1-3	Ages 4-6	Ages 7-10

\*Velcro adjustable & Tie Aprons

### APRON SLEEVE SIZING

	Small	Med	Large	XL	2XL
<b>Length (Standard)</b>	11"	11"	11"	11"	11"
<b>Length (Short)</b>	8.5"	8.5"	8.5"	8.5"	8.5"
<b>Circumference (Female)</b>	15"	15"	16-17"	16-17"	17-18"
<b>Circumference (Male)</b>	15"	16-17"	18-19"	19-20"	19-20"

# HOW DOES YOUR APRON PROTECT YOU?

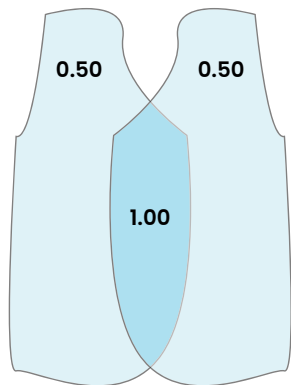
## GARMENT LEAD CONFIGURATIONS

To maximize customer choice, Protech manufactures a wide range of garments with unique, overlapping panel designs. Each style offers protection and comfort with flexibility, while optimizing for weight distribution. Review the protection configurations below to determine the style most suitable for your needs.

### Frontal Panel(s) of Garment Styles Shown in 0.50mm LE Configuration

#### Standard Overlapping Front Panels

Balance Wraparound Back Relief, Balance Vest, Balance Flexback Vest

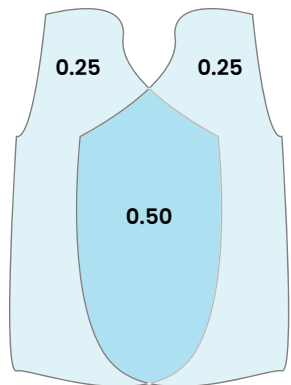


Ex) Balance Vest

These styles have the stated lead equivalence in EACH separate front panel and are designed to overlap only 2-6" at the center, using the "hook and loop" closure (lead equivalence/protection is doubled at overlap - ex 1.00mm Pb).

#### 3/4 Overlapping Front Panels

Essentials Wraparound Back Relief, Essentials Vest

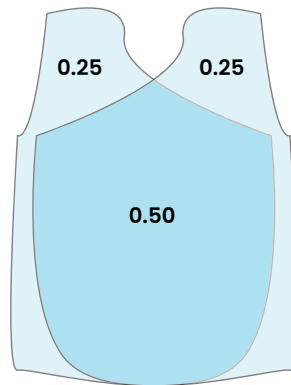


Ex) Essentials Vest

These styles have half (50%) the stated lead equivalence (mm Pb) in EACH front panel and achieve stated protection where panels overlap.

#### Full Overlapping Front Panels

Full Overlap Wraparound Back Relief, Full Overlap Vest

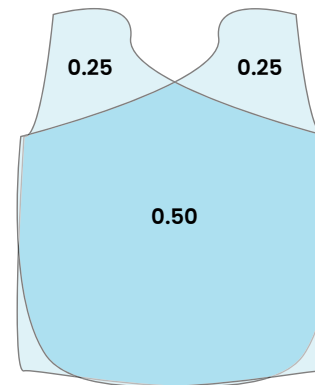


Ex) Full Overlap Vest

These styles have half (50%) the stated lead equivalence (mm Pb) in EACH front panel and achieve stated protection where panels overlap.

#### Extended Full Overlap Front Panels - IEC 60%

Full Wrap Vest

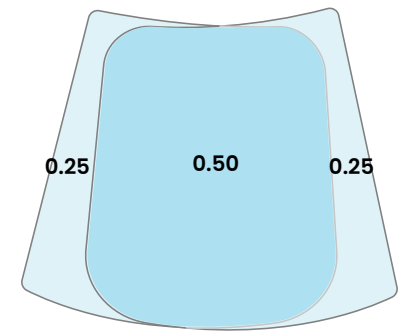


Ex) Full Wrap Vest

These styles have half (50%) the stated lead equivalence (mm Pb) in EACH front panel and achieve stated protection where panels overlap.

#### Skirt Standard Overlapping Front Panels

Standard Skirt, EZ Skirt



Ex) Standard Skirt

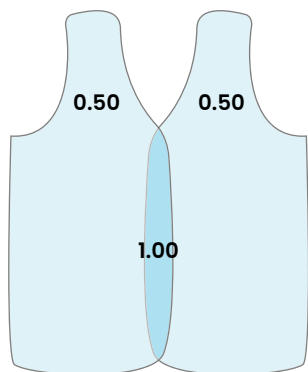
These styles have half (50%) the stated lead equivalence (mm Pb) in EACH front panel and achieve stated protection where panels overlap.

**Note:** All listed garment styles have a single back panel which comes standard with 0.25mm LE. The exceptions are noted with an asterisk (\*) and have 2 panels which overlap, but still provide 0.25mm LE protection (some areas may provide 0.50mm LE).

**Panel(s) of Garment Styles Shown  
in 0.50mm LE Configuration**

**Specialty Back Panel  
Overlapping Styles**

Tri-Tab Vest, Wraparound  
Flexback, Maternity Wraparound  
Flexback, EZ Vest

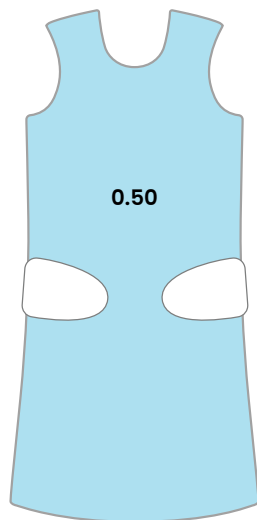


Ex) EZ Vest

These styles have the stated lead equivalence in EACH separate front panel and are designed to overlap only 2-6" at the center, using the "hook and loop" closure (lead equivalence/protection is doubled at overlap - ex 1.00mm Pb).

**Single Front  
Panel Styles**

Frontal Aprons, Wraparound  
Flexback\*, Wraparound  
Flexback Maternity Apron\*,  
Maternity Apron, Tri-tab Vest\*,  
EZ Vest\*, Versa Wrap



Ex) Flexback

**IEC 60% Front  
Protection Styles\*\***

**Full Wrap Vest, Versa Wrap,  
EZ Vest, EZ Skirt**

\*\*IEC 60% Protection means the side seams of the garment have been altered from being centered (50% front / 50% back) to being slightly off center (60% front / 40% Back). The styles listed above are designed to comply with IEC 60% Frontal Protection Requirements.



# CORE MATERIALS

Knowing what is inside your apron is just as important as understanding how it is designed to protect you. Each Proguard core material is carefully formulated to deliver more efficient attenuation across key portions of the photon spectrum while reducing gaps in protection that can result from over-reliance on any single x-ray attenuating element. Protech uses a balanced elemental approach to address k-edge performance across important diagnostic imaging ranges. Our advanced elastomer systems are also engineered to provide an excellent balance of toughness, flexibility, durability, and resistance to cracking over time.

Diagnostic imaging exposes personnel primarily to x-ray energies within the 50–150 kV range. Each metal used in a radiation protection material contributes differently across that range. Lead (Pb) has long been the industry standard because it provides strong, consistent attenuation throughout the full 50–150 kV spectrum. However, lead is also relatively heavy and presents environmental concerns.

Other non-lead metals commonly used in radiation protection include antimony, barium, cerium, tungsten, and bismuth. While these elements are often used in lighter-weight formulations, they do not always provide the same uniform attenuation across the entire 50–150 kV range when used in isolation. For example, antimony (Sb) and barium (Ba) are generally more effective below lead's k-edge region, while higher atomic number elements such as tungsten (W) and bismuth (Bi) are more effective at attenuating higher-energy radiation. Understanding the strengths and limitations of each element highlights the importance of a balanced multi-metal formulation designed to optimize protection across the diagnostic imaging spectrum.



**0.25**

**Lightest**

Attenuates from  
86–91% @ 90kV

**0.35**

**Optimal**

Attenuates approx.  
94% @ 90kV

**0.50**

**Standard**

Attenuates approx.  
97% @ 90kV

# CORE MATERIAL OPTIONS

## IEC AND ASTM CERTIFIED

IEC core materials are engineered with enhanced metal blends and layering configurations to meet the rigorous protection requirements of the IEC standard across specified kV ranges. Compared with ASTM-based materials, IEC core materials are typically heavier but often provide broader protection across the required energy spectrum. The IEC standard is commonly used in the European Union, the United Kingdom, Australia, and other international markets.



### STANDARD LEAD

<b>Weight @0.50mm:</b>	6900 gsm
<b>Key Components:</b>	Lead and Plasticizers
<b>Optimal kV Range:</b>	50-150kV
<b>Certifications:</b>	ASTM & IEC Certified
<b>Key Benefits:</b>	Maximum Protection



### T-LITE

<b>Weight @0.50mm:</b>	6340 gsm - <i>8% lighter than lead</i>
<b>Key Components:</b>	Lead, Antimony and Plasticizers
<b>Optimal kV Range:</b>	50-150kV
<b>Certifications:</b>	ASTM & IEC Certified
<b>Key Benefits:</b>	Eco-friendly, balanced weight and highly protective



### PROLITE BILAYER IEC

<b>Weight @0.50mm:</b>	6000 gsm - <i>13% lighter than lead</i>
<b>Key Components:</b>	Bismuth and Plasticizers
<b>Optimal kV Range:</b>	60-150kV
<b>Certifications:</b>	ASTM & IEC Certified
<b>Key Benefits:</b>	Eco-friendly, balanced weight and highly protective

#### Average Apron Weights\* **Standard Lead**

**Frontal:** 8.63 lbs

**Vest and Skirt:** 14.75 lbs

**Wraparound:** 15.95 lbs

#### **T-Lite**

7.94

13.57

14.68

#### **Prolite Bilayer IEC**

7.42 lbs

12.68 lbs

13.71 lbs

\* Weights are measured using a 0.50mm LE core material thickness - medium sized apron. Protech makes every effort to accurately record its apron weights. Because each category is averaged, the numbers we provide in the weight chart are subject to a +/- 15% weight variance. Minor length or width adjustments, including heavier fabrics, are not differentiated and instead, averaged together.

# CORE MATERIAL OPTIONS

## ONLY ASTM CERTIFIED

ASTM core materials are engineered to provide an effective balance of protection, weight reduction, and durability. Because ASTM requirements allow greater flexibility in kV range performance than IEC standards, they offer customers more choice in selecting the material and protection profile best suited to their clinical application. This makes ASTM materials an excellent option for a broad range of use cases, especially when comfort, mobility, and reduced weight are important considerations. The ASTM standard is widely used in the United States and globally.



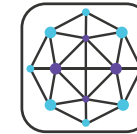
### PROLITE

<b>Weight @0.50mm:</b>	5700 gsm - <i>19% lighter than lead</i>
<b>Key Components:</b>	Cerium and Plasticizers
<b>Optimal kV Range:</b>	80-110kV
<b>Certifications:</b>	ASTM Certified
<b>Key Benefits:</b>	An affordable, lightweight, and eco-friendly option



### PREMIER

<b>Weight @0.50mm:</b>	5200 gsm - <i>26% lighter than lead</i>
<b>Key Components:</b>	Antimony and Plasticizers
<b>Optimal kV Range:</b>	70-110kV
<b>Certifications:</b>	ASTM Certified
<b>Key Benefits:</b>	Eco-friendly, optimal balance of weight and protection



### NANO

<b>Weight @0.50mm:</b>	4600 gsm - <i>34% lighter than lead</i>
<b>Key Components:</b>	Antimony and Plasticizers
<b>Optimal kV Range:</b>	80-100kV
<b>Certifications:</b>	ASTM Certified
<b>Key Benefits:</b>	Ultra lightweight - perfect for those with musculoskeletal issues

#### Average Apron Weights\*

	Prolite	Premier	Nano
<b>Frontal:</b>	7.16 lbs	6.38 lbs	5.87 lbs
<b>Vest and Skirt:</b>	12.32 lbs	10.91 lbs	9.96 lbs
<b>Wraparound:</b>	13.23 lbs	11.80 lbs	10.84 lbs

\* Weights are measured using a 0.50mm LE core material thickness - medium sized apron. Protech makes every effort to accurately record its apron weights. Because each category is averaged, the numbers we provide in the weight chart are subject to a +/- 15% weight variance. Minor length or width adjustments, including heavier fabrics, are not differentiated and instead, averaged together.

# APRON FABRIC COLORS

Protech offers a wide range of fabric colors and materials, all designed to be durable, water-resistant, and ready for the demands of any clinical setting.

For easy cleaning, Satinguard antimicrobial fabrics are a smart choice, while ripstop fabrics offer enhanced durability for high-use environments.

If staying cool is a priority, CoolGuard mesh provides built-in breathability, and for those looking to stand out, our special edition fabrics deliver a unique, Protech-exclusive look. To elevate it even further, LuxRay accents add a polished finish that brings everything together.





# PERFORMANCE FABRICS



## Satinguard Anti-microbial

A Protech team favorite, our Satinguard fabrics are velvety-soft and feature anti-microbial technology. They are also stain-resistant, easy to clean and have heavy, double-knit backing for a prolonged lifespan.

Satinguard also gives your apron that “premium look.”

## Coolguard Performance

Coolguard fabrics are uniquely designed each with special characteristics. Some are ultra-lightweight while others allow for better air flow or are bacteria-resistant.

## Wipe-away vinyls

Our vinyls are a great option for those who need an easy-to-clean apron. Because it is on the heavier side, vinyl is an excellent option for table drapes and barriers.



## SATINGUARD ANTI-MICROBIAL FABRICS\*



Matte Black  
#800



Matte Red  
#825



Matte Cyan  
#805



Matte Light Gray  
#815



Matte Dark Gray  
#813



Matte Lilac  
#817



Matte Navy  
#820



Matte Fuschia  
#810



Matte Royal  
#802

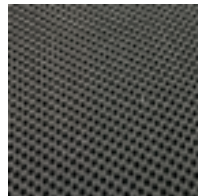


Matte Dark Teal  
#828



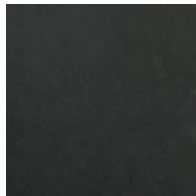
Matte Light Teal  
#830

## COOLGUARD FABRICS\*



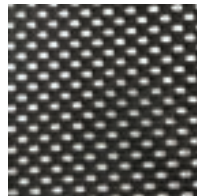
**Coolguard Air**  
#900

A cushiony mesh material that enables natural air ventilation. Interior only.



**Coolguard Spandex**  
#915

Sweat wicking, breathable microfiber with quick dry technology.



**Coolguard Mesh**  
#910

Increases air flow on back closure of apron. For frontal apron back closures only.



**"Black Silk"**  
#920

Ultra-soft & breathable polyester that is fluid proof & stain resistant.



**Indigo**  
#925

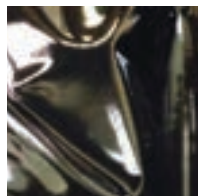
A soft, PVC nylon that is fluid-proof, stain resistant, bacteria & fungus resistant. Our lightest-weight fabric!



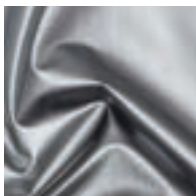
**Anti-slip fabric**  
#950

A high-quality, textured fabric placed on the inside of your apron to prevent slippage.

## WIPE-AWAY VINYL\*



Black  
#300



Silver  
#320



Burgundy Starlight  
#305

# SPECIAL EDITION FABRICS



## Special Edition

Stand out from the rest with Protech's limited edition fabrics! Every year we introduce new designs (made in-house) to keep things fresh. They are made of durable, 300 denier nylon with a water-repellent finish.

Have a special fabric request? We'd love your feedback!

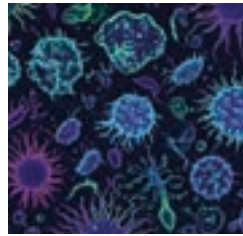


# NEW FOR 2026

SPECIAL EDITION\*



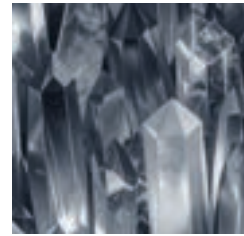
Batty  
#2135



Culture Shock  
#2136



Fowl Play  
#2137



Ice Ice Baby  
#2138



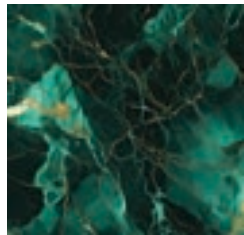
Imperial Dragon  
#2139



Inferno  
#2140



Ironclad  
#2141



Jade  
#2142



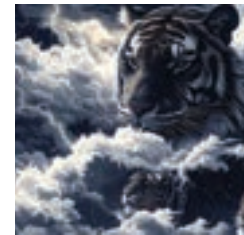
Kevin  
#2143



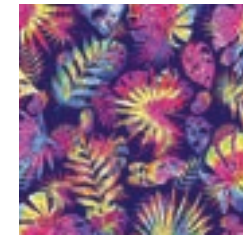
Lunar Moth  
#2144



Night Shift  
#2145



Stormborn  
#2146



Tropic Like It's Hot  
#2147

SPECIAL EDITION\*



PHASE OUT



Autumn Flow  
#2120



Bone-nanza  
#2121



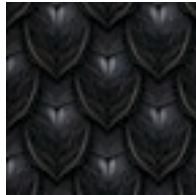
Cardiac Couture  
#2122



Cheeky Canines  
#2123



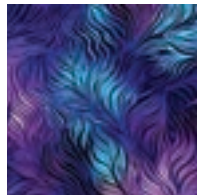
Chic Cheetah  
#2124



Dragon Armour  
#2125



Enchanted  
#2126



Mystic Flight  
#2127



Jurassic Galaxy  
#2128

PHASE OUT



Monster Mash  
#2129



Paw-sitive Vibes  
#2130



Phoenix Wings  
#2131



Skele-bration  
#2132

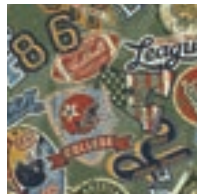


Unicorn Utopia  
#2133

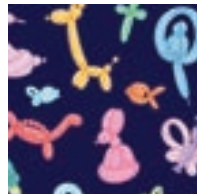


X-ray flowers  
#2134

PHASE OUT



Athletic Department  
#2101

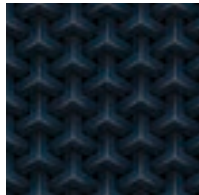


Balloon Animals  
#2102



Black Camo  
#2103

PHASE OUT



Blue Steel  
#2104



Bone to be Wild  
#2105



Coral Gardens  
#2106



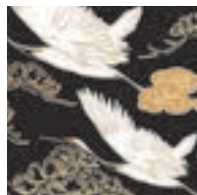
EKG  
#2107



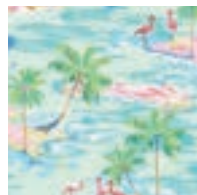
Feline Fine  
#2108



Hitting the Green  
#2110



Kyoto Cranes  
#2111



Life's a Beach  
#2112



Masked Heros  
#2113

SPECIAL EDITION\*



PHASE OUT

PHASE OUT

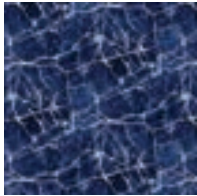
PHASE OUT



Painted Flowers  
#2114



The Hamptons  
#2115



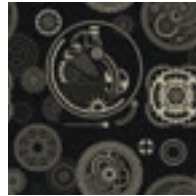
Blue Marble  
#2010



Body Positivity  
#2015



Galactic Kitties  
#2025



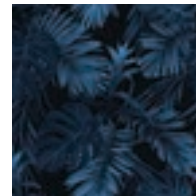
Grind my Gears  
#2035



Hex Yeah!  
#2040



Medically Necessary  
#2045



Midnight Jungle  
#2050

PHASE OUT



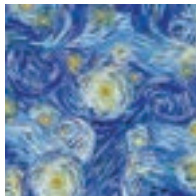
Party 'Till You're  
Dead #2070



Stable Genius  
#2080



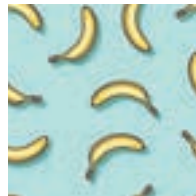
Stardate: 2022  
#2022



Starry Night  
#2090



Supernova  
#2095



This Lead is  
Bananas #2005



Tropical Smoothie  
#2100



# NYLON, RIPSTOP AND CLASSIC PRINT FABRICS

## Nylons

Nylon is a lightweight and durable apron fabric option that is fluid and tear resistant. All of our nylons optimize for thickness and weight in their 210 denier design, with the exception of Neon Green, Raspberry, Yellow and Orange which are 420 denier (a little heavier and thicker!)

## Ripstop

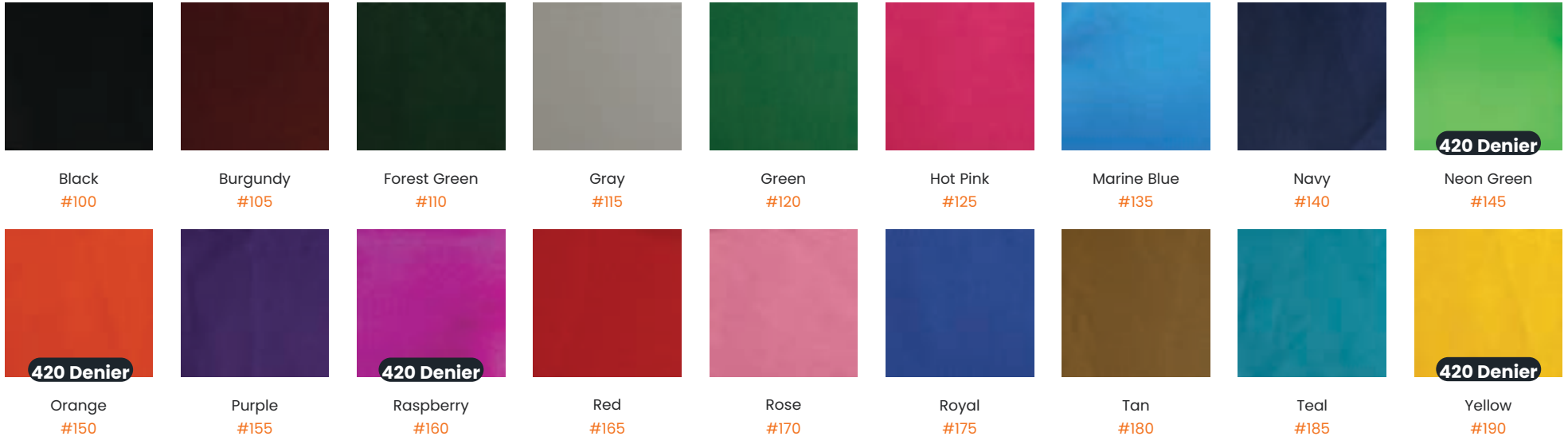
A high-quality, extremely durable apron fabric that is fluid and tear resistant. Ripstop incorporates high tensile strength interwoven fibers that are ultra resistant to tearing and look great too!

## Classic Prints

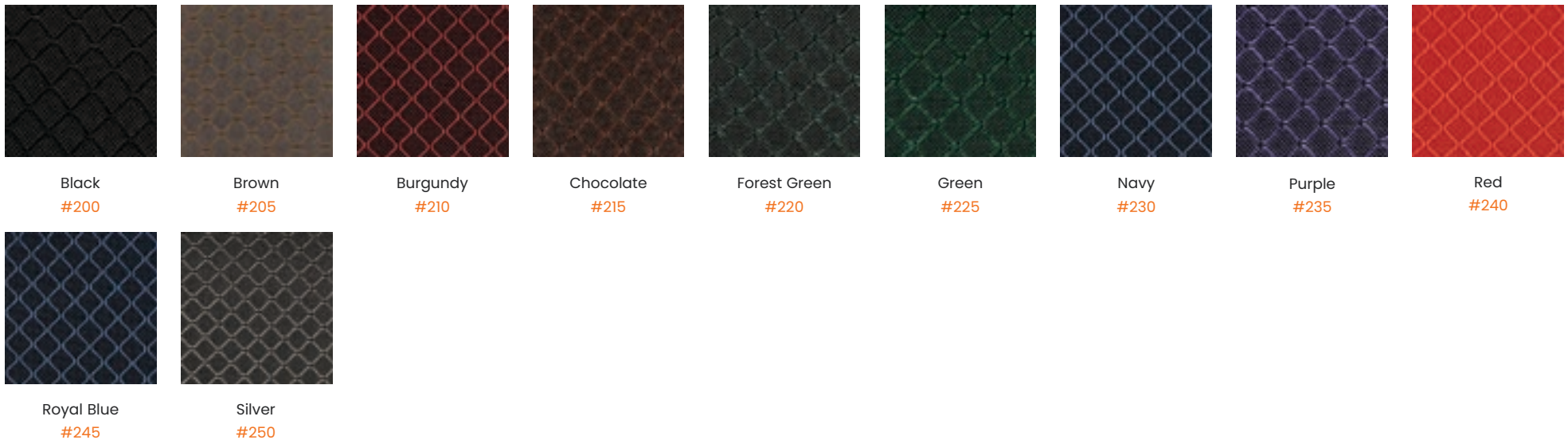
Our classic prints are made of a fluid-resistant polyester and nylon blend. They are a great option to add personality to your gear.

# NYLONS

Unless specified otherwise, nylons come standard 210 denier.



# RIPSTOP



# CLASSIC PRINTS



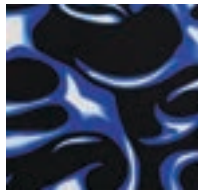
Animal Farm  
#405



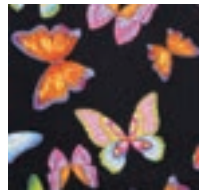
Black Lace  
#417



Blue Animal River  
#420



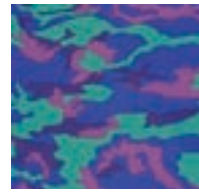
Blue Flame  
#425



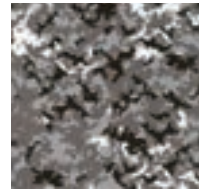
Butterfly  
#440



Camo - Backwoods  
#443



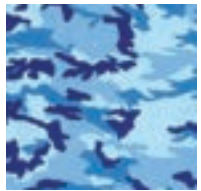
Camo - Cosmo  
#450



Camo - Digital Grey  
#455



Camo - Pink  
#465



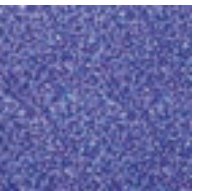
Camo - Small Blues  
#470



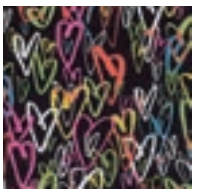
Camo - Small Pinks  
#475



Camo - Yellow  
#480



Chicklets Blue  
#490



Crayon Hearts  
#500



**PHASE OUT**  
Divebar  
#502



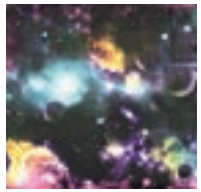
Dog Paw  
#505



Fleur De Lis  
#512



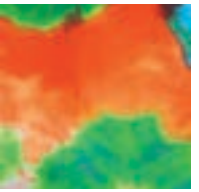
Fruity Pebbles  
#515



Galaxy - Multi  
#520



Galaxy - Royal  
#525



Green Neon  
Tie-Dye #540



Hawaiian  
#545



Hawaii Postcard  
#550



Leopard  
Print #560



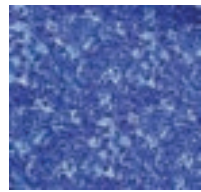
**PHASE OUT**  
Lu Lu Grape  
#565



Mamba - Blue  
#575



Mamba - Pink  
#580



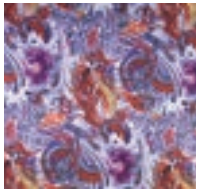
Marble Splash  
#585



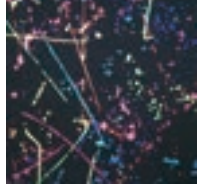
Mardi Gras  
#590



**PHASE OUT**  
Mystery - Multi  
#595



Painted Dragon  
#600



Paint Splash  
#605



**PHASE OUT**  
Paw Prints  
#610



Plaid - Green  
#620



Plaid - Light Pink  
#625



**PHASE OUT**  
Plaid - Purple  
#630

# CLASSIC PRINTS

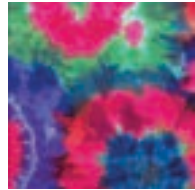
PHASE OUT



Plaid - Tan  
#635



Plaid - Teal  
#640



Purple Neon Tie-Dye #645

PHASE OUT



Rainbow  
#650

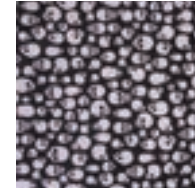


Red Dalmatian  
#655

PHASE OUT



Sheep  
#665



Skulls - Gray  
#670



Skulls - Red  
#675



Star Gazer  
#685



Stars  
#690



Steel  
#695

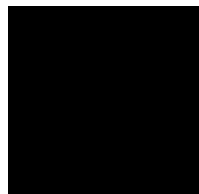


Surf Wax  
#705



Teal Splash  
#710

# BINDING COLORS



Black



Gray



Tan



Burgundy



Red



Orange



Yellow



Neon Green



Green



Forest Green



Dark Teal



Light Teal



Marine Blue



Royal



Navy Blue



Purple



Raspberry



Hot Pink



# CUSTOMIZATION OPTIONS

Our customization options are designed to elevate both performance and presence. Whether you prefer enhanced protective elements for demanding procedures or refined comfort features that move with you throughout the day, the result is protection that feels less like equipment and more like something crafted specifically for you.

Choose from a variety of fabric colors, trims and addons to create a look that reflects your personality. Add embroidered names or logos, select specialized pockets or build a uniform style across your team. However you customize it, your apron is crafted to feel personal, perform dependably, and support you.

When it comes to designing your perfect custom apron, Protech is #1.

# CUSTOMIZATION OPTIONS

## EMBROIDERY AND LOGO



Logo Embroidery

Personalize your apron with a name or logo embroidery. While we can place an embroidery just about anywhere, the most **common locations are: on pocket, just above the pocket, on your thyroid collar or a velcro patch.** A velcro patch is a convenient option for shared lead where an ID or name needs to be swapped out.

We also have a variety of stock logos to choose from. In addition to stock logos, we can accommodate large appliques or patches.



Stock Logo Examples



Script Embroidery

Aa Bb Cc Dd Ee Ff Gg  
Hh Ii Jj Kk Ll Mm Nn  
Oo Pp Qq Rr Ss Tt Uu  
Vv Ww Xx Yy Zz



Block Embroidery

Aa Bb Cc Dd Ee Ff Gg  
Hh Ii Jj Kk Ll Mm Nn  
Oo Pp Qq Rr Ss Tt Uu  
Vv Ww Xx Yy Zz

### Embroidery Details

	Apron	Accessory
<b>*Max Characters - Block</b>	24 characters per line (up to 2)	10 characters per line (1 only)
<b>*Max Characters - Script</b>	21 characters per line (up to 2)	8 characters per line (1 only)
<b>Common Locations</b>	On pocket, above pocket, velcro patch	Thyroid bib, Thyroid strap, Cap front
<b>Logo Embroidery Size Limits</b>	4" wide	1.5" wide
<b>Color Limits</b>	Up to 6 colors	Up to 6 colors
<b>Applique</b>	Varies - Contact us	Not available

\*Max characters include punctuation and spaces. Cost is per line. Digitization fee applies for all new logos.

# CUSTOMIZATION OPTIONS

## COMFORT AND DESIGN

### Luxray Accents

Have your apron tailored to perfection with LuxRay's patterned accents on the apron sides, pocket and thyroid collar. If you have a special fabric you'd like to use, we can incorporate that as well!

### Back Mesh

Allows for maximum airflow in the back panels of your frontal apron and helps keep you cool.

### Elastic Back

Provides enhanced adjustability and lumbar support by shifting apron weight from shoulders to the hips.

### Back strap

A Hook and loop backstrap keeps your apron shoulders secured and prevents slippage.

### Surgical Drop Shoulders

Specialty hook and loop tabs can be added to different apron styles allowing for easy removal of your apron to maintain sterile field.



### Extra Pockets

Need an extra pocket or two? Whether you need one on your skirt, inside your vest or even on your knees (yes, we did it), we can accommodate most requests. Shown here is a skirt pocket.



# CUSTOMIZATION OPTIONS

## ADDITIONAL PROTECTION

### Apron Sleeves

Apron sleeves wrap around your entire arm and offer comprehensive protection of vulnerable breast tissue and red bone marrow areas. Sleeves come standard in 0.25mm LE and can be sewn-in permanently or offered in our removable “Snap-on” option.

**Note:** To improve mobility, our apron sleeves are not sewn/attached at the armpit. We add a small “flap” which is tucked inside the apron armpit to ensure there are no gaps in protection.



### Side Extensions

Side Extensions can provide an additional +2 inches of protection on both sides and provide important lateral protection. Protection levels will match your apron specifications.

### Axillary Wings

Axillary wings are a protective flap sewn-in or “snapped-on” to your apron and offer vital axilla protection to vulnerable breast tissue and red bone marrow areas. Protection levels will match your apron specifications.



Snap-on  
Apron Sleeve

Snap-on  
Axillary wings



Sewn-in  
Axillary wings

# APOLLO

## QUICKSHIP GARMENTS

Apollo Quickship aprons combine premium Protech quality, rapid availability, and economy-minded value in one practical solution. **Ready to ship within 24–48 hours**, these in-stock garments are ideal for facilities that need dependable radiation protection quickly while staying within budget.

Each Apollo apron includes a thyroid collar and is manufactured with easy-to-clean, antimicrobial Satinguard fabric. Apollo garments are available in standard sizing only and do not include custom fabric selections, though a hook-and-loop patch is available for personalization. All Apollo aprons are backed by a 1-year warranty.



Style Name	Model	Protection Options	Sizes
Apollo Flexback	APO-FB	T-Lite (0.50mm), Prolite Lead Free (0.50mm), Nano (0.50mm)	SM, MD, LG, XL, 2XL
Apollo Vest and Skirt	APO-VSO	T-Lite (0.50mm), Prolite Lead Free (0.50mm), Nano (0.50mm)	SM, MD, LG, XL
Apollo Bib Thyroid Collar (velcro)	APO-TCB	Prolite Lead Free (0.50mm)	One Size
Apollo Pediatric Velcro Adjustable	APO-TA-CH	Standard Lead (0.50mm)	Child Medium
Apollo Dental Apron	APO-DA	Prolite Lead Free (0.30mm), Standard Lead (0.30mm)	Adult, Child
Apollo Gonad Shield Set	APO-GONSET	Standard Lead (0.50mm)	Set of SM, MD, LG
Apollo Half Apron	APO-HA	Standard Lead (0.50mm)	SM, MD, LG, XL
Apollo Positioning Mitt	APO-PMITT	Standard Lead (0.50mm)	One Size
Apollo Smart Cap	APO-PGCAP	Prolite Lead Free (0.50mm)	SM-MD, LG-XL
Apollo Apron Duffle Bag	APO-DUFFLE	N/A	N/A



### Ready to Ship in 24 hours

Skip the lead times! Your Apollo apron will be ready to ship in as little as 24 hours.



### Antimicrobial Fabrics

Apollo garments are made from our smooth, easy-to-clean, antimicrobial Satinguard fabric.



### Thyroid Collar Included

A one-size-fits-all thyroid collar comes with your Apollo apron.



### Color-coded by Size

Staff can easily identify their size apron in a sea of garments.



### Velcro patch Name Tag

Want to personalize your apron? Get up to 2 lines of embroidery on a shoulder velcro patch.



### Lead + Lead Free Options

Whether you need Light Lead or Lead Free core material, we've got you covered.



### No Order Forms Required

No complicated paperwork here. Just more free time.



### Male + Female Sizing in Vest and Skirt

Gendered patterns allow proper fit and protection in the chest and axilla regions.



# FRONT PROTECTION APRONS

Front protection aprons are among our most popular styles thanks to their lightweight construction, flexibility, and everyday comfort. Designed with protection in the front only, they offer a lighter, more forgiving fit than full protection aprons and are often preferred by professionals who value mobility and reduced weight.

Available in a range of styles, front protection aprons can be tailored to different procedures and comfort preferences, including options with elastic closures and back relief belts. They are especially well suited for short to moderate procedures where the risk of lateral or back exposure is low. For customers seeking a dependable, lightweight option, the Flexback is a longstanding favorite.

# FLEXBACK APRON

**MODEL:** [AP-FB]

Representing the gold standard of quality, the Flexback apron design provides enhanced back relief, comfort, and excellent weight distribution. Criss-cross back straps are specially designed with elastic to “flex” the apron’s weight burden off your shoulders to your hips, thereby providing support to your lower back. A hook and loop backstrap (shown below) is included and secures the apron around your shoulder area to prevent sliding.



## APRON FEATURES

### Front Protection Apron

#### Backstrap

Hook and loop backstrap securely fastens shoulder area.

#### Elastic Back

Provides enhanced adjustability and lumbar support. Shifts weight from the shoulders to the hips.

#### Shoulder Padding

Premium foam padding in the shoulders provides extra comfort.

#### Apron Pocket

#### Hook and loop Closure

#### Additional Customization Options

- Sewn-in Thyroid
- Embroidery
- Logo
- Extra Pocket
- Back Mesh
- Apron Sleeve
- Axillary Wings
- Drop Shoulders

Core Material	Weight (0.50mm)	Thickness Options
Lead	6900 gsm	0.25, 0.50mm
T-Lite	6340 gsm	0.25, 0.35, 0.50mm
Prolite IEC	6000 gsm	0.25, 0.35, 0.50mm
Prolite	5700 gsm	0.25, 0.35, 0.50mm
Premier	5200 gsm	0.25, 0.35, 0.50mm
Nano	4600 gsm	0.35, 0.50mm



For color options, see pages 34-43. Sizing info on pages 24-27.



\*CE applies to Lead, T-lite and Prolite IEC from 0.25mm to 1.00mm.



# BACK RELIEF APRON

**MODEL:** [AP-BR]

Save yourself from back pain with Protech's Back Relief apron. This apron features a unique padded belt system constructed with a bonded elasticized panel that will not lose its shape. When engaged, the special back relief belt provides lumbar support while transferring the weight of the apron from your shoulders to your hips for increased comfort and back support throughout the life of the apron. A hook and loop backstrap is also included to secure the apron around your shoulder area and prevent sliding.



## APRON FEATURES

### Front Protection Apron

#### Backstrap

Hook and loop backstrap securely fastens shoulder area.

#### Back Relief Belt

Wide, elastic belt provides lumbar support and maximum comfort.

#### Shoulder Padding

Premium foam padding in the shoulders provides extra comfort.

#### Apron Pocket

#### Belt Buckle Closure

#### Additional Customization Options

- Sewn-in Thyroid
- Embroidery
- Logo
- Extra Pocket
- Back Mesh
- Apron Sleeve
- Axillary Wings
- Drop Shoulders

### Core Material      Weight (0.50mm)      Thickness Options

Pb	Lead	6900 gsm	0.25, 0.50mm
Pb	T-Lite	6340 gsm	0.25, 0.35, 0.50mm
Pb	Prolite IEC	6000 gsm	0.25, 0.35, 0.50mm
Pb	Prolite	5700 gsm	0.25, 0.35, 0.50mm
Pb	Premier	5200 gsm	0.25, 0.35, 0.50mm
Pb	Nano	4600 gsm	0.35, 0.50mm



For color options, see pages 34-43. Sizing info on pages 24-27.



\*CE applies to Lead, T-lite and Prolite IEC from 0.25mm to 1.00mm.

# VELCRO ADJUSTABLE APRON

**MODEL:** [AP-VA]

Do you need comfort and adjustability at an affordable price? The Velcro adjustable apron has crisscrossing back straps that provide back support while securing the apron around your waist. Wide back straps prevent the apron from slipping around your shoulder and back area. Pediatric sizing available, see the end of the apron section.



## APRON FEATURES

### Front Protection Apron

#### Wide Body Back Panels

The comfortable panels secure your apron and provides lumbar support.

#### Shoulder Padding

Premium foam padding in the shoulders provides extra comfort.

#### Apron Pocket

#### Hook and loop Closure

#### Additional Customization Options

- Sewn-in Thyroid
- Embroidery
- Logo
- Extra Pocket
- Back Mesh
- Backstrap
- Apron Sleeve
- Axillary Wings
- Drop Shoulders

Core Material	Weight (0.50mm)	Thickness Options
Lead	6900 gsm	0.25, 0.50mm
T-Lite	6340 gsm	0.25, 0.35, 0.50mm
Prolite IEC	6000 gsm	0.25, 0.35, 0.50mm
Prolite	5700 gsm	0.25, 0.35, 0.50mm
Premier	5200 gsm	0.25, 0.35, 0.50mm
Nano	4600 gsm	0.35, 0.50mm



For color options, see pages 34-43. Sizing info on pages 24-27.



\*CE applies to Lead, T-lite and Prolite IEC from 0.25mm to 1.00mm.

# SURGICAL DROP APRON

**MODEL:** [AP-SD]

Maintain your sterile field with the quick release Surgical Drop Apron. Easy-release hook and loop closures allow the surgical drop to fall even when underneath your scrubs. With padded shoulders and a criss-cross back strap design the surgical drop apron provides maximum comfort for all users. Hanging straps are included to allow for easy storage on any Protech apron rack.



## APRON FEATURES

### Front Protection Apron

#### Hanging Straps

Hanging straps on the shoulders allow for easy storage on any Protech apron rack.

#### Surgical Drop

Quick release velcro closure tabs help maintain sterile field.

#### Shoulder Padding

Premium foam padding in the shoulders provides extra comfort.

#### Apron Pocket

#### Hook and loop Closure

#### Additional Customization Options

- Sewn-in Thyroid
- Embroidery
- Logo
- Extra Pocket

Core Material	Weight (0.50mm)	Thickness Options
Lead	6900 gsm	0.25, 0.50mm
T-Lite	6340 gsm	0.25, 0.35, 0.50mm
Prolite IEC	6000 gsm	0.25, 0.35, 0.50mm
Prolite	5700 gsm	0.25, 0.35, 0.50mm
Premier	5200 gsm	0.25, 0.35, 0.50mm
Nano	4600 gsm	0.35, 0.50mm



For color options, see pages 34-43. Sizing info on pages 24-27.



\*CE applies to Lead, T-lite and Prolite IEC from 0.25mm to 1.00mm.

# BUCKLE APRON

MODEL: [AP-BA]

The Buckle Apron comes standard with an easy-release buckle allowing for quick removal of the apron. The belt is adjustable to accommodate different sizes. Criss-cross back straps provide a secure, comfortable fit.



## APRON FEATURES

### Front Protection Apron

#### Wide Body Back Panels

The comfortable panels secure your apron and provides lumbar support.

#### Shoulder Padding







Premium foam padding in the shoulders provides extra comfort.

#### Apron Pocket

#### Durable Buckle Closure

#### Additional Customization Options

- Sewn-in Thyroid
- Embroidery
- Logo
- Extra Pocket
- Elastic Back
- Back Strap
- Apron Sleeve
- Axillary Wings
- Drop Shoulders

Core Material	Weight (0.50mm)	Thickness Options
 Lead	6900 gsm	0.25, 0.50mm
 T-Lite	6340 gsm	0.25, 0.35, 0.50mm
 Prolite IEC	6000 gsm	0.25, 0.35, 0.50mm
 Prolite	5700 gsm	0.25, 0.35, 0.50mm
 Premier	5200 gsm	0.25, 0.35, 0.50mm
 Nano	4600 gsm	0.35, 0.50mm



For color options, see pages 34-43. Sizing info on pages 24-27.



\*CE applies to Lead, T-lite and Prolite IEC from 0.25mm to 1.00mm.

# TIE APRON

**MODEL:** [AP-TA]

The Tie Apron is an easy-to-use, affordable option for x-ray protection. Utilizing a tie closure, the Tie Apron's criss crossing straps ensure a secure and comfortable fit. See Pediatric options at the end of this section.



## APRON FEATURES

### Front Protection Apron

#### Shoulder Padding

Premium foam padding in the shoulders provides extra comfort.

#### Apron Pocket

#### Tie Closure

#### Additional Customization Options

- Sewn-in Thyroid
- Embroidery
- Logo
- Extra Pocket
- Backstrap
- Apron Sleeve
- Axillary Wings

Core Material	Weight (0.50mm)	Thickness Options
Lead	6900 gsm	0.25, 0.50mm
T-Lite	6340 gsm	0.25, 0.35, 0.50mm
Prolite IEC	6000 gsm	0.25, 0.35, 0.50mm
Prolite	5700 gsm	0.25, 0.35, 0.50mm
Premier	5200 gsm	0.25, 0.35, 0.50mm
Nano	4600 gsm	0.35, 0.50mm



For color options, see pages 34-43. Sizing info on pages 24-27.



\*CE applies to Lead, T-lite and Prolite IEC from 0.25mm to 1.00mm.

# UROLOGY APRON

**MODEL:** [AP-UA]

If you sit while performing procedures requiring x-ray, you may be unnecessarily exposing yourself to radiation. The Urology Apron features a three panel system at the bottom of the apron which enables the user to sit comfortably while maintaining maximum coverage from x-ray.



## APRON FEATURES

### Front Protection Apron

#### Multi-Panel Design

Allows for easy maneuvering and a comfortable fit.

#### Backstrap

Hook and loop backstrap securely fastens shoulder area.

#### Shoulder Padding

Premium foam padding in the shoulders provides extra comfort.

#### Apron Pocket

#### Hook and loop Closure

#### Additional Customization Options

- Sewn-in Thyroid
- Embroidery
- Logo
- Extra Pocket
- Back Mesh
- Apron Sleeve
- Axillary Wings
- Drop Shoulders

### Core Material      Weight (0.50mm)      Thickness Options

Pb	Lead	6900 gsm	0.25, 0.50mm
Pb	T-Lite	6340 gsm	0.25, 0.35, 0.50mm
Pb	Prolite IEC	6000 gsm	0.25, 0.35, 0.50mm
Pb	Prolite	5700 gsm	0.25, 0.35, 0.50mm
Pb	Premier	5200 gsm	0.25, 0.35, 0.50mm
Pb	Nano	4600 gsm	0.35, 0.50mm



For color options, see pages 34-43. Sizing info on pages 24-27.



\*CE applies to Lead, T-lite and Prolite IEC from 0.25mm to 1.00mm.



# FULL PROTECTION APRONS

Full protection aprons are designed to provide more comprehensive coverage through front, side, and back protection. They are especially well suited for prolonged procedures or for environments where lateral and back exposure may be a concern. Because they incorporate more protective material, these styles are generally heavier than front protection aprons and benefit from a more precise fit to maximize comfort, protection, and long-term wearability.

Protech offers a diverse range of full protection apron styles, each with distinct ergonomic and weight-optimization features. Combined with our extensive customization options and add-ons, these styles can be tailored to help create the ideal balance of protection, comfort, and durability.

# TRI-TAB VEST AND SKIRT APRON



**MODEL:** [AP-TVEST](vest only) [AP-SKIRT](skirt only)

The popular Tri-tab Vest features a single front panel design which eliminates excess overlap and reduces weight by up to 10% compared to traditional vest styles. With an easy-on, easy-off multi tab (hook and loop) closure design (located on the left shoulder and around the hips), the Tri-tab provides a more ergonomic and forgiving fit. Elastic back enhancements permit a flexible and secure closure while also providing lumbar support and premium comfort. IMPORTANT: For the most accurate fit, please use the "Tri-tab Vest" measurements to determine your proper size.



## APRON FEATURES

### Full Protection Apron

#### Elastic Back

Provides enhanced adjustability and lumbar support. Shifts weight from the shoulders to the hips.

#### Single Front Panel

Eliminates excess overlapping panels achieving a 10% weight reduction (compared to VS model).

#### Tri-tab Closure Design

Ensures a proper fit.

#### Shoulder Padding

Premium foam padding in the shoulders provides extra comfort.

#### Non-slip Backing

(On skirt interior) Reduces slippage and improves fit.

#### Apron Pocket

#### Multi-tab Hook and loop Closure

#### Hanging Tabs on Skirt

#### Additional Customization Options

- Sewn-in Thyroid
- Embroidery
- Logo
- Extra Pocket
- Suspenders (skirt)

### Core Material Weight (0.50mm) Thickness Options

Core Material	Weight (0.50mm)	Thickness Options
Lead	6900 gsm	0.25, 0.50mm
T-Lite	6340 gsm	0.25, 0.35, 0.50mm
Prolite IEC	6000 gsm	0.25, 0.35, 0.50mm
Prolite	5700 gsm	0.25, 0.35, 0.50mm
Premier	5200 gsm	0.25, 0.35, 0.50mm
Nano	4600 gsm	0.35, 0.50mm

For more information on how this apron protects you (lead configuration), see pages 30-31.



For color options, see pages 34-43. Sizing info on pages 24-27.



\*CE applies to Lead, T-lite and Prolite IEC from 0.25mm to 1.00mm.

# ESSENTIAL™ VEST AND SKIRT APRON

**MODEL:** [AP-VQ](vest only) [AP-SKIRT](skirt only)

The Essential Vest features two, extended overlapping panels which achieve a 3/4 overlap when engaged. While the ¾ overlapping panels are longer than the standard overlap vest panels, Essential Vests technically provide less protection due to the reduced protective material inside each panel. Thus, your desired front lead equivalence will only be achieved where the panels overlap. Essential vests are not an optimal choice if you are looking for maximum radiation protection and coverage, but they do provide aid to those who are more sensitive to weight and in need of reduced weight options.

See pages 28-29 for more information on how this apron protects you (lead configuration).



## APRON FEATURES

### Full Protection Apron

#### Adjustable Buckle Set

Adjustable buckle closures ensure a secure fit.

#### Extended Front Panels

Front panels are extended to 3/4 overlap coverage and when overlapped, achieve the desired LE protection.

#### Shoulder Padding

Premium foam padding in the shoulders provides extra comfort.

#### Non-slip Backing

(On skirt interior) Reduces slippage and improves fit.

#### Apron Pocket

#### Hook and loop Closure

#### Hanging Tabs on Skirt

#### Additional Customization Options

- Embroidery
- Logo
- Extra Pocket
- Apron Sleeve
- Axillary Wings
- Suspenders (skirt)

### Core Material      Weight (0.50mm)      Thickness Options

Pb	Lead	6900 gsm	0.25, 0.50mm
Pb	T-Lite	6340 gsm	0.25, 0.35, 0.50mm
Pb	Prolite IEC	6000 gsm	0.25, 0.35, 0.50mm
Pb	Prolite	5700 gsm	0.25, 0.35, 0.50mm
Pb	Premier	5200 gsm	0.25, 0.35, 0.50mm

For more information on how this apron protects you (lead configuration), see pages 30-31.



For color options, see pages 34-43. Sizing info on pages 24-27.



\*CE applies to Lead, T-lite and Prolite IEC from 0.25mm to 1.00mm.

# BALANCE™ VEST AND SKIRT APRON



**MODEL:** [AP-V](vest only) [AP-SKIRT](skirt only)

The Balance Vest standard overlapping panel design makes it easy to don and maintain. Your desired lead equivalence is applied to both panels which doubles the protection where they overlap and ensures no gaps in protection are present during community use. The versatile Balance Vest is made with high quality buckle and hook and loop closures providing a secure and comfortable fit. The two-piece nature of the Vest and Skirt combination shifts weight to your hips and reduces back fatigue when compared to a full coat/wrap-around style apron.

See pages 28-29 for more information on how this apron protects you (lead configuration).



## APRON FEATURES

### Full Protection Apron

#### Adjustable Buckle Set

Adjustable buckle closures ensure a secure fit.

#### Standard Overlap Panels

Front panels are shorter, but the LE protection is doubled where overlapped.

#### Shoulder Padding

Premium foam padding in the shoulders provides extra comfort.

#### Non-slip Backing

(On skirt interior) Reduces slippage and improves fit.

#### Apron Pocket

#### Hook and loop Closure

#### Hanging Tabs on Skirt

#### Additional Customization Options

- Embroidery
- Logo
- Extra Pocket
- Apron Sleeve
- Axillary Wings
- Suspenders (skirt)

### Core Material Weight (0.50mm) Thickness Options

Core Material	Weight (0.50mm)	Thickness Options
Lead	6900 gsm	0.25, 0.50mm
T-Lite	6340 gsm	0.25, 0.35, 0.50mm
Prolite IEC	6000 gsm	0.25, 0.35, 0.50mm
Prolite	5700 gsm	0.25, 0.35, 0.50mm
Premier	5200 gsm	0.25, 0.35, 0.50mm
Nano	4600 gsm	0.35, 0.50mm

For more information on how this apron protects you (lead configuration), see pages 30-31.



For color options, see pages 34-43. Sizing info on pages 24-27.



\*CE applies to Lead, T-lite and Prolite IEC from 0.25mm to 1.00mm.

# ESSENTIAL™ FLEXBACK VEST AND SKIRT APRON



**MODEL:** [AP-VFBQ](vest only) [AP-SKIRT](skirt only)

The Essential Flexback Vest features a premium lumbar support belt system and two, extended overlapping panels which achieve a 3/4 overlap when engaged. While the 3/4 overlapping panels are longer than the standard overlap vest panels, Essential Vests technically provide less protection due to the reduced protective material inside each panel. Thus, your desired front lead equivalence will only be achieved where the panels overlap. Essential vests are not an optimal choice if you are looking for maximum radiation protection and coverage, but they do provide aid to those who are more sensitive to weight and in need of reduced weight options. **Note: Available in Standard sizes only. See pages 28-29 for more information on how this apron protects you (lead configuration).**



## APRON FEATURES

### Full Protection Apron

#### Adjustable Buckle Set

Adjustable buckle closures ensure a secure fit.

#### Extended Front Panels

Front panels are extended to 3/4 overlap coverage and when overlapped, achieve the desired LE protection.

#### Flexback Belt

Wraps internally around your back and securely fastens in the front.

#### Shoulder Padding

Premium foam padding in the shoulders provides extra comfort.

#### Non-slip Backing

(On skirt interior) Reduces slippage and improves fit.

#### Apron Pocket

#### Hook and loop Closure

#### Hanging Tabs on Skirt

#### Additional Customization Options

- Embroidery
- Logo
- Extra Pocket
- Apron Sleeve
- Axillary Wings
- Suspenders (skirt)

### Core Material Weight (0.50mm) Thickness Options

Core Material	Weight (0.50mm)	Thickness Options
Lead	6900 gsm	0.25, 0.50mm
T-Lite	6340 gsm	0.25, 0.35, 0.50mm
Prolite IEC	6000 gsm	0.25, 0.35, 0.50mm
Prolite	5700 gsm	0.25, 0.35, 0.50mm
Premier	5200 gsm	0.25, 0.35, 0.50mm

For more information on how this apron protects you (lead configuration), see pages 30-31.



For color options, see pages 34-43. Sizing info on pages 24-27.



\*CE applies to Lead, T-lite and Prolite IEC from 0.25mm to 1.00mm.

# BALANCE™ FLEXBACK VEST AND SKIRT APRON



**MODEL:** [AP-VFB]<sub>(vest only)</sub> [AP-SKIRT]<sub>(skirt only)</sub>

The Balance Flexback Vest standard overlapping panel design makes it easy to don with its premium lumbar support belt system. Your desired lead equivalence is applied to both panels which doubles the protection where they overlap and ensures no gaps in protection are present during community use. The versatile Balance Vest is made with high quality buckle and hook and loop closures providing a secure and comfortable fit. The two-piece nature of the Vest and Skirt combination shifts weight to your hips and reduces back fatigue when compared to a full coat/wrap-around style apron. See pages 28-29 for more information on how this apron protects you (lead configuration).



## APRON FEATURES

### Full Protection Apron

#### Adjustable Buckle Set

Adjustable buckle closures ensure a secure fit.

#### Standard Overlap Panels

Front panels are shorter, but the LE protection is doubled where overlapped.

#### Flexback Belt

Wraps internally around your back and securely fastens in the front.

#### Shoulder Padding

Premium foam padding in the shoulders provides extra comfort.

#### Non-slip Backing

(On skirt interior) Reduces slippage and improves fit.

#### Apron Pocket

#### Hook and loop Closure

#### Hanging Tabs on Skirt

#### Additional Customization Options

- Embroidery
- Logo
- Extra Pocket
- Apron Sleeve
- Axillary Wings
- Suspenders (skirt)

### Core Material Weight (0.50mm) Thickness Options

Core Material	Weight (0.50mm)	Thickness Options
Lead	6900 gsm	0.25, 0.50mm
T-Lite	6340 gsm	0.25, 0.35, 0.50mm
Prolite IEC	6000 gsm	0.25, 0.35, 0.50mm
Prolite	5700 gsm	0.25, 0.35, 0.50mm
Premier	5200 gsm	0.25, 0.35, 0.50mm
Nano	4600 gsm	0.35, 0.50mm

For more information on how this apron protects you (lead configuration), see pages 30-31.



For color options, see pages 34-43. Sizing info on pages 24-27.



\*CE applies to Lead, T-lite and Prolite IEC from 0.25mm to 1.00mm.

# FULL OVERLAP VEST AND SKIRT APRON

**MODEL:** [AP-VFO]<sub>(vest only)</sub> [AP-SKIRT]<sub>(skirt only)</sub>

The Full Overlap Vest features two, fully extended overlapping panels which achieve near seam-to-seam coverage; your desired lead equivalence is achieved where each panel overlaps the other with a minor 1 – 2 inch gap near the side seams. While not as easy to don, the Full Overlap Vest provides visual clarity that you have near complete frontal coverage. Elimination of excess overlap results in a roughly 10% reduction in weight as compared to the standard overlap design. The versatile Full Overlap Vest is made with high quality buckle and hook and loop closures providing a secure and comfortable fit. The two-piece nature of the Vest and Skirt combination shifts weight to your hips and reduces back fatigue when compared to a full coat/wrap-around style apron. **See pages 28–29 for more information on how this apron protects you (lead configuration).**



Shown with extra skirt pocket

## APRON FEATURES

### Full Protection Apron

#### Adjustable Buckle Set

Adjustable buckle closures ensure a secure fit.

#### Extended Front Panels

Front panels are extended for almost seam-to-seam coverage

#### Shoulder Padding

Premium foam padding in the shoulders provides extra comfort.

#### Non-slip Backing

(On skirt interior) Reduces slippage and improves fit.

#### Apron Pocket

#### Hook and loop Closure

#### Hanging Tabs on Skirt

#### Additional Customization Options

- Embroidery
- Logo
- Extra Pocket
- Back Mesh
- Apron Sleeve
- Axillary Wings
- Drop Shoulders

### Core Material Weight (0.50mm) Thickness Options

Core Material	Weight (0.50mm)	Thickness Options
Lead	6900 gsm	0.25, 0.50mm
T-Lite	6340 gsm	0.25, 0.35, 0.50mm
Prolite IEC	6000 gsm	0.25, 0.35, 0.50mm
Prolite	5700 gsm	0.25, 0.35, 0.50mm
Premier	5200 gsm	0.25, 0.35, 0.50mm
Nano	4600 gsm	0.35, 0.50mm

For more information on how this apron protects you (lead configuration), see pages 30-31.



For color options, see pages 34-43. Sizing info on pages 24-27.



\*CE applies to Lead, T-lite and Prolite IEC from 0.25mm to 1.00mm.

# ESSENTIAL™ WRAPAROUND BACK RELIEF APRON



MODEL: [AP-WAQ]

The Essential Wraparound Back Relief Apron (aka “Wrap” or “Coat”) features a premium lumbar support belt system and two, extended overlapping panels which achieve a 3/4 overlap when engaged. While the ¾ overlapping panels are longer than the standard overlap panels, Essential Wraps technically provide less protection due to the reduced protective material inside each panel. Thus, your desired front lead equivalence will only be achieved where the panels overlap. Essential Wraps are not an optimal choice if you are looking for maximum radiation protection and coverage, but they do provide aid to those who are more sensitive to weight and in need of reduced weight options. **Note: Available in Standard sizes only. See pages 28-29 for more information on how this apron protects you (lead configuration).**



## APRON FEATURES

### Full Protection Apron

#### Adjustable Buckle Set

Adjustable buckle closures ensure a secure fit.

#### Extended Front Panels

Front panels are extended to 3/4 overlap coverage and when overlapped, achieve the desired LE protection.

#### Back Relief Belt

Wraps internally around your back and securely fastens in the front.

#### Shoulder Padding

Premium foam padding in the shoulders provides extra comfort.

#### Apron Pocket

#### Hook and loop Closure

#### Additional Customization Options

- Embroidery
- Logo
- Extra Pocket
- Apron Sleeve
- Axillary Wings

### Core Material Weight (0.50mm) Thickness Options

Core Material	Weight (0.50mm)	Thickness Options
Lead	6900 gsm	0.25, 0.50mm
T-Lite	6340 gsm	0.25, 0.35, 0.50mm
Prolite IEC	6000 gsm	0.25, 0.35, 0.50mm
Prolite	5700 gsm	0.25, 0.35, 0.50mm
Premier	5200 gsm	0.25, 0.35, 0.50mm

For more information on how this apron protects you (lead configuration), see pages 30-31.



For color options, see pages 34-43. Sizing info on pages 24-27.



\*CE applies to Lead, T-lite and Prolite IEC from 0.25mm to 1.00mm.

# BALANCE™ WRAPAROUND BACK RELIEF APRON



**MODEL:** [AP-WABR]

The Balance Wraparound Back Relief Apron's (aka "Wrap" or "Coat") standard overlapping panel design makes it easy to don with its premium lumbar support belt system. Your desired lead equivalence is applied to both panels which doubles the protection where they overlap and ensures no gaps in protection are present during community use. The versatile Balance Wrap is made with high quality buckle and hook and loop closures providing a secure and comfortable fit. **See pages 28-29 for more information on how this apron protects you (lead configuration).**



## APRON FEATURES

### Full Protection Apron

#### Adjustable Buckle Set

Adjustable buckle closures ensure a secure fit.

#### Standard Overlap Panels

Front panels are shorter. LE protection is doubled at overlap.

#### Back Relief Belt

Wraps internally around your back and securely fastens in the front.

#### Shoulder Padding

Premium foam padding in the shoulders provides extra comfort.

#### Apron Pocket

#### Hook and loop Closure

#### Additional Customization Options

- Embroidery
- Logo
- Extra Pocket
- Apron Sleeve
- Axillary Wings

### Core Material Weight (0.50mm) Thickness Options

Core Material	Weight (0.50mm)	Thickness Options
Lead	6900 gsm	0.25, 0.50mm
T-Lite	6340 gsm	0.25, 0.35, 0.50mm
Prolite IEC	6000 gsm	0.25, 0.35, 0.50mm
Prolite	5700 gsm	0.25, 0.35, 0.50mm
Premier	5200 gsm	0.25, 0.35, 0.50mm
Nano	4600 gsm	0.35, 0.50mm

For more information on how this apron protects you (lead configuration), see pages 30-31.



For color options, see pages 34-43. Sizing info on pages 24-27.



\*CE applies to Lead, T-lite and Prolite IEC from 0.25mm to 1.00mm.

# FULL OVERLAP WRAPAROUND BACK RELIEF APRON



**MODEL:** [AP-WAFO]

The Full Overlap Wraparound Apron features two, fully extended overlapping front panels which achieve near seam-to-seam coverage; your desired lead equivalence is achieved where each panel overlaps the other with a minor 1 – 2 inch gap near the side seams. While not as easy to don, the Full Overlap Wrap provides visual clarity that you have near complete frontal coverage. Elimination of excess overlap results in a roughly 10% reduction in weight as compared to the standard overlap design. The versatile Full Overlap WrapAround Apron is made with high quality buckle and hook and loop closures providing a secure and comfortable fit. **See pages 28-29 for more information on how this apron protects you (lead configuration).**



## APRON FEATURES

### Full Protection Apron

#### Adjustable Buckle Set

Adjustable buckle closures ensure a secure fit.

#### Extended Front Panels

Front panels are extended for almost seam-to-seam coverage

#### Back Relief Belt

Wraps internally around your back and securely fastens in the front.

#### Shoulder Padding

Premium foam padding in the shoulders provides extra comfort.

#### Apron Pocket

#### Hook and loop + Buckle Closures

#### Additional Customization Options

- Embroidery
- Logo
- Extra Pocket
- Apron Sleeve
- Axillary Wings

### Core Material Weight (0.50mm) Thickness Options

Core Material	Weight (0.50mm)	Thickness Options
Lead	6900 gsm	0.25, 0.50mm
T-Lite	6340 gsm	0.25, 0.35, 0.50mm
Prolite IEC	6000 gsm	0.25, 0.35, 0.50mm
Prolite	5700 gsm	0.25, 0.35, 0.50mm
Premier	5200 gsm	0.25, 0.35, 0.50mm
Nano	4600 gsm	0.35, 0.50mm

For more information on how this apron protects you (lead configuration), see pages 30-31.



For color options, see pages 34-43. Sizing info on pages 24-27.



\*CE applies to Lead, T-lite and Prolite IEC from 0.25mm to 1.00mm.

# MATERNITY APRON

**MODEL:** [AP-MA]

The Maternity Apron is our heavy-duty, complete protection solution for expecting mothers who are undergoing or performing in diagnostic imaging. A large back and front panel are secured via crisscrossing tie straps which enables easy adjustability throughout the pregnancy. Maximum protection is provided in each panel and an additional half apron is included to provide additional protection in the abdominal region.



## APRON FEATURES

### Full Protection Apron

#### Complete Coverage

The front & back panels ensure you are fully protected from beginning to end of your pregnancy.

#### Half Apron Included

A Half apron is included for additional protection as you progress through your pregnancy.

#### Shoulder Tab Closure

Hook and loop shoulder tab ensures easy donning.

#### Shoulder Padding





Premium foam padding in the shoulders provides extra comfort.

#### Apron Pocket

#### Tie Closures

#### Additional Customization Options

- Sewn-in Thyroid
- Embroidery
- Logo
- Extra Pocket
- Apron Sleeve
- Axillary Wings

Core Material	Weight (0.50mm)	Thickness Options
 T-Lite	6340 gsm	0.25, 0.35, 0.50mm
 Prolite IEC	6000 gsm	0.25, 0.35, 0.50mm
 Prolite	5700 gsm	0.25, 0.35, 0.50mm
 Premier	5200 gsm	0.25, 0.35, 0.50mm

For more information on how this apron protects you (lead configuration), see pages 30-31.



For color options, see pages 34-43. Sizing info on pages 24-27.



\*CE applies to Lead, T-lite and Prolite IEC from 0.25mm to 1.00mm.

# WRAPAROUND FLEXBACK MATERNITY APRON

**MODEL:** [AP-MAWA]

The Wraparound Flexback Maternity Apron was born from our Wrap-Around Flexback design and incorporates our highly popular Flexback elastic-back technology with the versatility and comfort of our tri-tab closure system. A single front panel design eliminates excess overlap and reduces weight by up to 10% compared to traditional wrap styles. The Wrap-Around Flexback Maternity Apron distinguishes itself by delivering a lightweight fit and premium ergonomics all while maintaining optimal protection.



## APRON FEATURES

### Full Protection Apron

#### Elastic Back

Provides enhanced adjustability and lumbar support. Shifts weight from the shoulders to the hips.

#### Single Front Panel

Eliminates excess overlapping panels achieving a 10% weight reduction (compared to other wraparound and VS models).

#### Tri-tab Closure

Ensures a proper fit and easy donning.

#### Shoulder Padding




Premium foam padding in the shoulders provides extra comfort.

#### Apron Pocket

#### Hook and loop Closure

#### Additional Customization Options

- Sewn-in Thyroid
- Embroidery
- Logo
- Extra Pocket
- Apron Sleeve
- Axillary Wings

Core Material	Weight (0.50mm)	Thickness Options
 T-Lite	6340 gsm	0.25, 0.35, 0.50mm
 Prolite IEC	6000 gsm	0.25, 0.35, 0.50mm
 Prolite	5700 gsm	0.25, 0.35, 0.50mm
 Premier	5200 gsm	0.25, 0.35, 0.50mm

For more information on how this apron protects you (lead configuration), see pages 30-31.



For color options, see pages 34-43. Sizing info on pages 24-27.



\*CE applies to Lead, T-lite and Prolite IEC from 0.25mm to 1.00mm.

# WRAPAROUND FLEXBACK APRON



**MODEL:** [AP-WAFB]

The Wraparound Flexback design incorporates our highly popular Flexback elastic-back technology with the versatility and comfort of our tri-tab closure system. A single front panel design eliminates excess overlap and reduces weight by up to 10% compared to traditional wrap styles. The Wrap-Around Flexback distinguishes itself by delivering a lightweight fit and premium ergonomics all while maintaining optimal protection.



## APRON FEATURES

### Full Protection Apron

**Elastic Back**

Provides enhanced adjustability and lumbar support. Shifts weight from the shoulders to the hips.

**Single Front Panel**

Eliminates excess overlapping panels achieving a 10% weight reduction (compared to other wraparound and VS models).

**Tri-tab Closure**

Ensures a proper fit.

**Shoulder Padding**

Premium foam padding in the shoulders provides extra comfort.

**Apron Pocket**

**Hook and loop Closure**

**Additional Customization Options**

- Sewn-in Thyroid
- Embroidery
- Logo
- Extra Pocket

Core Material	Weight (0.50mm)	Thickness Options
Lead	6900 gsm	0.25, 0.50mm
T-Lite	6340 gsm	0.25, 0.35, 0.50mm
Prolite IEC	6000 gsm	0.25, 0.35, 0.50mm
Prolite	5700 gsm	0.25, 0.35, 0.50mm
Premier	5200 gsm	0.25, 0.35, 0.50mm
Nano	4600 gsm	0.35, 0.50mm

For more information on how this apron protects you (lead configuration), see pages 30-31.



For color options, see pages 34-43. Sizing info on pages 24-27.



\*CE applies to Lead, T-lite and Prolite IEC from 0.25mm to 1.00mm.

# FULL WRAP VEST AND SKIRT APRON



**MODEL:** [AP-VFW](vest only) [AP-SKIRT](skirt only)

The Full Wrap Vest provides seam to seam coverage of your chosen protection level with its large overlapping front panels. Specially placed hook and loop on the internal panels enables superior closure mobility and easy donning. The full frontal panel design optimizes for reduced weight and improved comfort.



## APRON FEATURES

### Full Protection Apron

#### IEC 60% Frontal Design

Compliant with IEC 60% frontal design requirement

#### Extended Front Panels

Front panels are extended for full seam-to-seam coverage

#### Shoulder Padding

Premium foam padding in the shoulders provides extra comfort.

#### Non-slip Backing

(On skirt interior) Reduces slippage and improves fit.

#### Apron Pocket

#### Hook and loop Closure

#### Hanging Tabs on Skirt

#### Additional Customization Options

- Embroidery
- Logo
- Extra Pocket
- Back Mesh
- Backstrap
- Apron Sleeve
- Axillary Wings
- Drop Shoulders

### Core Material Weight (0.50mm) Thickness Options

Core Material	Weight (0.50mm)	Thickness Options
Lead	6900 gsm	0.25, 0.50mm
T-Lite	6340 gsm	0.25, 0.35, 0.50mm
Prolite IEC	6000 gsm	0.25, 0.35, 0.50mm
Prolite	5700 gsm	0.25, 0.35, 0.50mm
Premier	5200 gsm	0.25, 0.35, 0.50mm
Nano	4600 gsm	0.35, 0.50mm

For more information on how this apron protects you (lead configuration), see pages 30-31.



For color options, see pages 34-43. Sizing info on pages 24-27.



\*CE applies to Lead, T-lite and Prolite IEC from 0.25mm to 1.00mm.

# VERSA WRAP APRON

**MODEL:** [AP-VW]

The Versa Wrap features two separate front and back panels which are buckled together to provide optimal front, back, and lateral protection. The high-quality buckle closure system promotes convenient adjustability for a comfortable fit. Two Surgical Drop shoulder buckles enable easy on/easy off versatility while maintaining sterile field.

**IEC 60% Frontal Overlap:** the IEC design parameters require that the greater protection of the frontal area should extend past the normal evenly split side seam into the back area by an additional 10%. Resulting in a front area to back ratio of 60% to 40%.



## APRON FEATURES

### Full Protection Apron

#### IEC 60% Frontal Design

Compliant with IEC 60% frontal design requirement

#### Surgical Drop Design

Multi-Buckle Closures enables easy on/off mechanics during procedures to maintain sterile field

#### Shoulder Padding

Premium foam padding in the shoulders provides extra comfort.

#### Apron Pocket

#### Buckle Closure

#### Additional Customization Options

- Sewn-in Thyroid
- Embroidery
- Logo
- Extra Pocket

### Core Material Weight (0.50mm) Thickness Options

Core Material	Weight (0.50mm)	Thickness Options
Lead	6900 gsm	0.25, 0.50mm
T-Lite	6340 gsm	0.25, 0.35, 0.50mm
Prolite IEC	6000 gsm	0.25, 0.35, 0.50mm
Prolite	5700 gsm	0.25, 0.35, 0.50mm
Premier	5200 gsm	0.25, 0.35, 0.50mm
Nano	4600 gsm	0.35, 0.50mm

For more information on how this apron protects you (lead configuration), see pages 30-31.



For color options, see pages 34-43. Sizing info on pages 24-27.



\*CE applies to Lead, T-lite and Prolite IEC from 0.25mm to 1.00mm.

# EZ VEST APRON

**MODEL:** [AP-VEZ]

A more efficient and ergonomic vest design providing EZ comfort! The EZ Vest features a single front panel and dual back panels with large, criss-crossing, elastic strap closure tabs. The shortened back panels enable better closure maneuverability and wearability while the larger elastic straps promote a secure fit and reduce back and shoulder fatigue.



## APRON FEATURES

### Full Protection Apron

#### IEC 60% Frontal Design

Compliant with IEC 60% frontal design requirement

#### Elastic Straps for Support

Provides enhanced adjustability and lumbar support.

#### Single Front Panel

Eliminates excess overlapping panels achieving a 10% weight reduction (compared to other wraparound and VS models).

#### Shoulder Padding

Premium foam padding in the shoulders provides extra comfort.

#### Apron Pocket

#### Hook and loop Closure

#### Additional Customization Options

- Sewn-in Thyroid
- Embroidery
- Logo
- Extra Pocket
- Apron Sleeve
- Axillary Wings
- Drop Shoulders

### Core Material      Weight (0.50mm)      Thickness Options

Core Material	Weight (0.50mm)	Thickness Options
Lead	6900 gsm	0.25, 0.50mm
T-Lite	6340 gsm	0.25, 0.35, 0.50mm
Prolite IEC	6000 gsm	0.25, 0.35, 0.50mm
Prolite	5700 gsm	0.25, 0.35, 0.50mm
Premier	5200 gsm	0.25, 0.35, 0.50mm
Nano	4600 gsm	0.35, 0.50mm

For more information on how this apron protects you (lead configuration), see pages 30-31.



For color options, see pages 34-43. Sizing info on pages 24-27.



\*CE applies to Lead, T-lite and Prolite IEC from 0.25mm to 1.00mm.

# EZ SKIRT APRON

**MODEL:** [AP-SKEZ]

The EZ Skirt features a built-in elastic belt which provides EZ security and comfort! Made with a single back panel and 2 wider front panels, the EZ skirt's ergonomic design maximizes wearability and protection. Anti-slip fabric is included on the built-in elastic belt.



## APRON FEATURES

### Full Protection Apron

#### IEC 60% Frontal Design

Compliant with IEC 60% frontal design requirement

#### Integrated Elastic Belt

Provides enhanced adjustability and lumbar support. EZ belt system makes skirt easy to don.

#### Contoured Back Panel

Curved skirt panel allows for easier movement.

#### Non-slip Backing

Reduces slippage and improves fit.

#### Hanging Tabs

#### Hook and loop + Belt Closure

#### Additional Customization Options

- Embroidery
- Logo
- Skirt Pocket
- Suspenders

Core Material	Weight (0.50mm)	Thickness Options
Lead	6900 gsm	0.25, 0.50mm
T-Lite	6340 gsm	0.25, 0.35, 0.50mm
Prolite IEC	6000 gsm	0.25, 0.35, 0.50mm
Prolite	5700 gsm	0.25, 0.35, 0.50mm
Premier	5200 gsm	0.25, 0.35, 0.50mm
Nano	4600 gsm	0.35, 0.50mm

For more information on how this apron protects you (lead configuration), see pages 30-31.



For color options, see pages 34-43. Sizing info on pages 24-27.



\*CE applies to Lead, T-lite and Prolite IEC from 0.25mm to 1.00mm.

# SKIRT APRON

**MODEL:** [AP-SKIRT]

Made with a single back panel and 2 streamlined front panels, the skirt apron's ergonomic design maximizes wearability and protection. Additional enhancements include adjustable buckle sets, and an anti-slip fabric tastefully integrated on the inner panels.



## APRON FEATURES

### Full Protection Apron

#### Non-slip Backing

Reduces slippage and improves fit.

#### Hanging Tabs

#### Hook and loop + Buckle Closure

#### Additional Customization Options

- Embroidery
- Logo
- Skirt Pocket
- Suspenders

Core Material	Weight (0.50mm)	Thickness Options
Lead	6900 gsm	0.25, 0.50mm
T-Lite	6340 gsm	0.25, 0.35, 0.50mm
Prolite IEC	6000 gsm	0.25, 0.35, 0.50mm
Prolite	5700 gsm	0.25, 0.35, 0.50mm
Premier	5200 gsm	0.25, 0.35, 0.50mm
Nano	4600 gsm	0.35, 0.50mm

For more information on how this apron protects you (lead configuration), see pages 30-31.



For color options, see pages 34-43. Sizing info on pages 24-27.



\*CE applies to Lead, T-lite and Prolite IEC from 0.25mm to 1.00mm.

## DENTAL PANORAMIC PONCHO



<b>MODEL</b>	AP-DP
<b>CORE MATERIALS</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50, 0.35, 0.25mm (standard) LE
<b>CLOSURE</b>	Hook and loop
<b>SIZING</b>	Adult: 24" W x 27" L (front) 16" L (back) Pediatric: 18"W x 22"L (front) 12"L (back)
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>ADD-ONS</b>	Thyroid Collar
<b>COLORS</b>	See fabric colors on pages 34-43
<b>CE</b>	Yes

Drapes over the body to provide front and back protection during dental imaging. The Panoramic Poncho is secured via hook and loop closure on the back panels. It comes in an Adult and Child size and is available in select core materials and protection options: Ecolite 0.50 and 0.30mm LE, Prolite IEC 0.30mm LE, and Standard Lead 0.50 and 0.25mm Pb.



## DENTAL APRON



<b>MODEL</b>	AP-DAC / AP-DA
<b>CORE MATERIALS</b>	Lead - 0.30mm
<b>AND THICKNESSES</b>	T-lite - 0.30mm Prolite Bilayer IEC - 0.30mm
<b>CLOSURE</b>	None
<b>SIZING</b>	Adult: 28" W x 23.5" L (from neckline) Pediatric: 23.5" W x 18" L (from neckline)
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>ADD-ONS</b>	Anti-slip fabric
<b>COLORS</b>	See fabric colors on pages 34-43
<b>CE</b>	Yes

The Dental apron drapes over the body to provide front protection during dental procedures and x-rays. It comes with large hanging straps for easy storage and is available with attached hook and loop thyroid collar (AP-DAC) or without thyroid collar (AP-DA).



# APRON ACCESSORIES

Protech apron accessories are designed to provide added radiation protection for areas that may require coverage beyond the apron itself. By helping reduce exposure to scatter radiation, these accessories can play an important role in supporting both short-term safety and long-term occupational wellness.

A more complete protection strategy helps safeguard the wearer while reinforcing a culture of safety throughout the workplace. With the right protective gear in place, healthcare professionals can perform their duties with greater confidence while helping maintain a safer environment for staff and patients alike.



# chestmate

## TARGETED AXILLARY PROTECTION

The Chestmate delivers targeted supplemental protection for the axilla region in a lightweight, low-profile design that doesn't compromise mobility. Made with a soft, cooling fabric and worn underneath the apron, the Chestmate features two removable wing panels that can be positioned to achieve a more personalized fit across a wide range of body shapes.

Guideline stitching along the hook-and-loop attachment points promotes consistent panel placement, while the front closure provides a secure, adjustable fit. Designed for comfort, flexibility, and added peace of mind, Chestmate helps extend protection where it matters most.

- ▶ Targeted axillary protection
- ▶ Adjustable and flexible design for customized fit
- ▶ Cooling Inner Fabric
- ▶ Worn underneath your existing apron
- ▶ Allows for full range of motion
- ▶ Consistent 0.50mm protection



<b>MODEL</b>	AP-MATE
<b>CORE MATERIALS</b>	T-Lite, Premier, Nano
<b>THICKNESS</b>	0.50mm LE (@ overlap) 0.25mm LE in each wing panel
<b>CLOSURE</b>	Hook and loop
<b>SIZING (Chest)</b>	XS-SM: 36-38" MD-LG: 39-43" XL: 44-48"
<b>CE</b>	Yes



# SEWN-IN THYROID COLLARS



<b>MODEL</b>	AP-TCH   AP-TCF
<b>CORE MATERIALS</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50mm LE
<b>CLOSURE (HALF)</b>	None
<b>CLOSURE (FULL)</b>	Hook and loop, Magnetic or Buckle
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>COLORS</b>	See fabric colors on pages 34-43
<b>CE</b>	Yes

Sewn-in thyroid collars are a streamlined alternative to traditional, separate collars eliminating the risk of loss or misplacement while reducing bulkiness. The half sewn-in collar is angled slightly away from the neck to promote airflow and all-day comfort, while the full sewn-in collar features a back closure for a more secure fit. Both sewn-in thyroid collar styles are integrated directly into the apron for improved ergonomics and a more consistent, reliable fit.



Half Sewn-in  
Thyroid Collar  
(AP-TCH)



Full Sewn-in  
Thyroid Collar  
(AP-TCF)

## STANDARD THYROID COLLAR



<b>MODEL</b>	AP-TCS
<b>CORE MATERIALS</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50 (standard), 0.35, 0.25mm LE
<b>CLOSURE</b>	Hook and loop, Magnets or Buckle
<b>SIZING</b>	Small: 13-14" (neck circ.) Medium: 15-16" (neck circ.) Large: 17"+ (neck circ.) X-Large: Custom
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>ATTACHMENTS</b>	Loose, Clip, Keyring, Tethered
<b>COLORS</b>	See fabric colors on pages 34-43
<b>CE</b>	Yes

The standard radiation thyroid collar is designed to fit higher along the neck while providing complete coverage of the thyroid against x-ray radiation.



## ORIGINAL THYROID COLLAR



<b>MODEL</b>	AP-TCO
<b>CORE MATERIALS</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50 (standard), 0.35, 0.25mm LE
<b>CLOSURE</b>	Hook and loop, Magnets or Buckle
<b>SIZING</b>	Small: 13-14" (neck circ.) Medium: 15-16" (neck circ.) Large: 17"+ (neck circ.) X-Large: Custom (neck circ.)
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>ATTACHMENTS</b>	Loose, Clip, Keyring, Tethered
<b>COLORS</b>	See fabric colors on pages 34-43
<b>CE</b>	Yes

The original style thyroid collar fits lower on the neck, offering coverage of the thyroid against scatter radiation. Hook and loop strips on the end allow for neck size adjustability. This streamlined style is our most popular.



## VISOR THYROID COLLAR



<b>MODEL</b>	AP-TCV-RG (reg.)   AP-TCV-LG (large)
<b>CORE MATERIALS</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50 (standard), 0.35, 0.25mm LE
<b>CLOSURE</b>	Hook and loop (shown) or Magnets
<b>SIZING</b>	Regular: 25" (neck circ.) Large: 27" (neck circ.)
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>ATTACHMENTS</b>	Loose, Clip, Keyring, Tethered
<b>COLORS</b>	See fabric colors on pages 34-43
<b>CE</b>	Yes

Ergonomically designed for a snug fit, the Visor thyroid is optimized for comfort and maximum protection. The neck piece provides additional front and lateral protection.



## BIB THYROID COLLAR



<b>MODEL</b>	AP-TCB (reg.) / AP-TCBL (oversized)
<b>CORE MATERIALS</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50 (standard), 0.35, 0.25mm LE
<b>CLOSURE</b>	Hook and loop (shown) or Magnets
<b>SIZING</b>	One size fits all
<b>DIMENSIONS</b>	Regular - 24" L x 7.5" H (4.5" bib) Oversized - 24" L x 9" H (6" Bib)
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>ATTACHMENTS</b>	Loose, Clip, Keyring, Tethered
<b>COLORS</b>	See fabric colors on pages 34-43
<b>CE</b>	Yes

The Bib thyroid's streamlined design provides a comfortable fit as well as complete coverage to the neck area. For those wanting a little extra coverage, we also offer an oversized Bib option (6" in length).



## MAMMOGRAPHY THYROID COLLAR



<b>MODEL</b>	AP-TCM
<b>CORE MATERIALS</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50 (standard), 0.35, 0.25mm LE
<b>CLOSURE</b>	Hook and loop (shown) or Buckle
<b>SIZING</b>	One Size: 29" L, 4" Bib
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>ATTACHMENTS</b>	Loose, Clip, Keyring, Tethered
<b>COLORS</b>	See fabric colors on pages 34-43
<b>CE</b>	Yes

Don't let the standard or original thyroid collar get all the attention. The mammography's sleek profile provides a detachable alternative to "sewn-in" thyroid collars while allowing for adjustability. Additionally, the mammography thyroid collar serves as a valuable option for patient protection.



## PROGUARD THYROID COLLAR



<b>MODEL</b>	AP-TCG
<b>CORE MATERIALS</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50 (standard), 0.35, 0.25mm LE
<b>CLOSURE</b>	Hook and loop
<b>SIZING</b>	Small: 21" (neck circ.) Medium: 22" (neck circ.) Large: 23" (neck circ.) X-Large: 24" (neck circ.)
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>ATTACHMENTS</b>	Loose, Clip, Keyring, Tethered
<b>COLORS</b>	See fabric colors on pages 34-43
<b>CE</b>	Yes

Featuring a form-fitting design and hook and loop closure, the Proguard thyroid collar provides comprehensive front and back protection.



## PROGUARD SMART CAP



<b>MODEL</b>	AP-PGCAP
<b>CORE MATERIALS</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50 (standard), 0.35, 0.25mm LE
<b>CLOSURE</b>	Beaded Adjustable Strap
<b>SIZING</b>	SM-M: 21-22" (head circ.) L-XL: 23-25" (head circ.)
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>PROTECTION</b>	Side Protection
<b>COLORS</b>	See fabric colors on pages 34-43
<b>CE</b>	Yes

Need head protection that is breathable, light-weight, and comfortable? The Proguard Smart Cap features breathable CoolGuard spandex fabric on the top while providing protection around the sides of your head.



## PAGE CAP



<b>MODEL</b>	AP-PCAP
<b>CORE MATERIALS</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50 (standard), 0.35, 0.25mm LE
<b>CLOSURE</b>	Hook and loop
<b>SIZING</b>	Small: 21" (head circ.) Medium: 22" (head circ.) Large: 23" (head circ.) X-Large: 24" (head circ.)
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>PROTECTION</b>	Side Protection
<b>COLORS</b>	See fabric colors on pages 34-43
<b>CE</b>	Yes

The Page Cap is designed to provide protection around the sides of your head, while the top contains no lead. Alternatively, similar to a scrub cap, the Head Cap provides x-ray protection around the entire head. Hook and loop tab closures allow for an adjustable fit on both styles. \*Sizes based on head circumference.



## HEAD CAP



<b>MODEL</b>	AP-CAP
<b>CORE MATERIALS</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50 (standard), 0.35, 0.25mm LE
<b>CLOSURE</b>	Hook and loop
<b>SIZING</b>	Small: 21" (head circ.) Medium: 22" (head circ.) Large: 23" (head circ.) X-Large: 24" (head circ.)
<b>CUSTOMIZATIONS</b>	None
<b>PROTECTION</b>	Top and Side Protection
<b>COLORS</b>	See fabric colors on pages 34-43
<b>CE</b>	Yes

Similar to a scrub cap, the Head Cap provides x-ray protection around the entire head. Hook and loop tab closures allow for an adjustable fit on both styles.  
\*Sizes based on head circumference.



## SCOLIOSIS STOLE



<b>MODEL</b>	AP-STOLE
<b>CORE MATERIALS</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50 (standard), 0.35, 0.25mm LE
<b>CLOSURE</b>	Buckle
<b>SIZING</b>	Pediatric: 15" x 4.75" Medium: 18.5" x 6.75" Large: 23.5" x 8"
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>COLORS</b>	See fabric colors on pages 34-43
<b>CE</b>	Yes

The scoliosis stole is primarily used for spinal imaging. The shield features hook and loop panels and an adjustable belt for proper positioning. The neck area does not contain lead, allowing complete visibility of the spine during x-ray, while offering protection to the breast area. This shield is great for scoliosis studies.



## GONAD/OVARIAN SHIELD



<b>MODEL</b>	AP-GONAD/GONAD-SET
<b>CORE MATERIALS</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50 (standard), 0.35, 0.25mm LE
<b>CLOSURE</b>	Hook and loop (standard) or Buckle
<b>SIZING</b>	Small - 5.75" x 4.5" Medium - 7.6" x 6.4" Large - 9.5" x 7.8" Pediatric sizing available
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>SPECIAL</b>	Available as a set of 3 or individually
<b>COLORS</b>	See fabric colors on pages 34-43
<b>CE</b>	Yes

The gonad shield provides essential protection to radiosensitive reproductive organs. Secured via a hook and loop or buckle closure system, the Gonad shield is sold in 5 individual sizes or as a set of 3.



## SHIN GUARDS & FOOT COVERS



<b>MODEL</b>	AP-SHIN   AP-FOOT
<b>CORE MATERIALS</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50 (standard), 0.35, 0.25mm LE
<b>CLOSURE</b>	Velcro
<b>SIZING</b>	SM: 13" x 9" M: 14" x 10" L: 16" x 12" XL: 18" x 24"
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>COLORS</b>	See fabric colors on pages 34-43
<b>CE</b>	Yes

When being exposed to ionizing radiation, all forms of radiation protection are necessary. Shin Guards provide essential protection to extremities which may not be covered from scatter radiation; especially if no table drapes are present. Optional foot covers may be added (AP-FOOT) for complete protection.



(AP-FOOT)

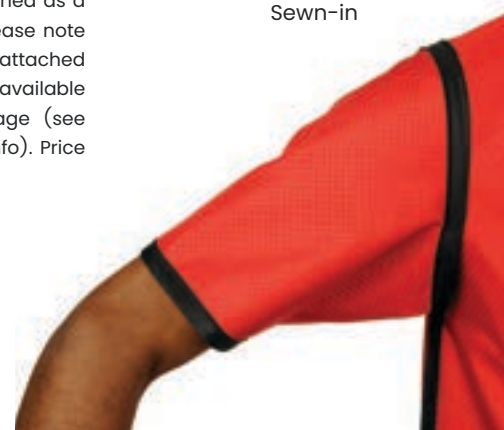
## APRON SLEEVE



<b>MODEL</b>	AP-SLV (sewn-in) / SLV2 (snap-on)
<b>CORE MATERIALS</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50, 0.35, 0.25mm (standard) LE
<b>CLOSURE</b>	Snap-on or Sewn-in
<b>SIZING (FEMALE)</b>	Small, Medium, Large, XL, 2XL
<b>SIZING (MALE)</b>	Small, Medium, Large, XL, 2XL
	Length (reg.): 11"   Length (short): 8.5"
	Circumference: see size charts
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>COLORS</b>	See fabric colors on pages 34-43
<b>CE</b>	Yes

This optional sleeve is available for many apron styles and protects the upper arm and shoulder from direct beam and scatter radiation. It can be attached as a snap-on or directly sewn-on. Please note that the apron sleeve is not fully attached at the armpit. An optional flap is available for additional protection/coverage (see customizations page for more info). Price is per (1) sleeve.

Sewn-in



Snap-on



## HALF APRON



<b>MODEL</b>	AP-HA
<b>CORE MATERIALS</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50 (standard), 0.35, 0.25mm LE
<b>CLOSURE</b>	Hook and loop
<b>SIZING</b>	SM (pediatric): 10" x 10"
	MD: 18" x 16"
	LG: 24" x 20"
	XL: 24" x 24"
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>COLORS</b>	See fabric colors on pages 34-43

The half apron can provide extra radiation protection. Selling it separate also allows you to mix and match a smaller bottom half with a larger top piece or vice versa.



## CORSET BELT

MODEL	AP-CORSET
PROTECTION	None
SIZING (FEMALE)	Small - 4XL (Use apron waist measurement)
SIZING (MALE)	XS - XL (Use apron waist measurement)
COLORS	Black

Our corset belt is a great apron accessory for added back support when wearing a radiation protective apron. The finger pull tab and pulley system along the spine provides for simple adjustment and even tension.

**\*The corset belt is worn under the apron.**  
**\*\*Use apron waist measurements on page 59 to determine your size.**



## BACK RELIEF BELT

MODEL	AP-BLT
PROTECTION	None
CLOSURE	Buckle
SIZING (FEMALE)	XS: 24-26"   S: 26-28"
	M: 28-31"   L: 31-33"
	XL: 34-38"
SIZING (MALE)	XS: 30-33"   S: 33-36"
	M: 37-40"   L: 41-44"
	XL: 44-48"
CUSTOMIZATIONS	None
COLORS	See fabric colors on pages 34-43

The back relief belt is constructed of neoprene bonded elastic. It features high quality components that do not lose elasticity. The belt also features a non-slip adjustable buckle to ensure a secure fit. The back relief belt attaches separately from the apron.



## APRON SUSPENDERS

<b>MODEL</b>	AP-SUSP2
<b>CORE MATERIALS</b>	None
<b>MATERIAL</b>	Black Nylon
<b>SIZING</b>	One size fits all

Need a little extra help holding up your skirt? Try our apron suspenders to keep that apron skirt right where you want it.



## THYROID COLLAR COVERS

<b>MODEL</b>	SG-TCCD
<b>CORE MATERIALS</b>	None
<b>MATERIAL</b>	Blue SMS
<b>SIZING</b>	One size fits all
<b>FEATURES</b>	Disposable
<b>UOM QTY</b>	50 per box

Our disposable thyroid collar covers do not provide protection against x-ray, but are a useful way to encourage the use of thyroid collars by keeping them clean. The thyroid collar covers fit a wide variety of thyroid collar styles, will prevent damage from make-up and prevent the build-up of filth. Extend the life of your thyroid collars by covering them with ScatterGuard's hygienic, disposable thyroid collar cover.



## DISPOSABLE SMART CAP



<b>MODEL</b>	SG-DCAP
<b>CORE MATERIALS</b>	Prolite
<b>THICKNESS</b>	0.60, 0.125, 0.25*, or 0.50mm LE
<b>CLOSURE</b>	Ties
<b>SIZING</b>	Small - 21" (head circ.) Medium - 22" (head circ.) Large - 23" (head circ.)
<b>CUSTOMIZATIONS</b>	None
<b>FABRIC</b>	Blue SMS
<b>CE</b>	Yes* (only 0.25mm LE)

ScatterGuard's disposable Smart Caps are designed to provide essential protection against scatter radiation. Smart Caps feature a cotton inner-liner to absorb perspiration and ensure a comfortable fit. Light-weight and adjustable, our Smart Cap is available in 3 sizes. The Cap is made with a premium lead-free material and may be disposed of through normal waste procedures. The disposable Smart Cap blocks up to 95% of radiation.



## DISPOSABLE THYROID COLLAR



<b>MODEL</b>	SG-DTHY
<b>CORE MATERIALS</b>	Prolite
<b>THICKNESS</b>	0.125, 0.25*, or 0.50mm LE
<b>CLOSURE</b>	Hook and loop
<b>SIZING</b>	Regular: 13-16" (neck circ.) Large: 17-20" (neck circ.)
<b>CUSTOMIZATIONS</b>	None
<b>FABRIC</b>	Blue SMS
<b>CE</b>	Yes* (only 0.25mm LE)

ScatterGuard's disposable Thyroid Collars are designed to provide essential protection against scatter radiation. Light-weight and available in 2 sizes, our disposable thyroid collar is made with a premium lead-free material and may be disposed of through normal waste procedures. The disposable Thyroid Collar blocks up to 95% of radiation.





# PEDIATRIC PROTECTION

Pediatric protection in the radiation safety industry is crucial due to the heightened sensitivity of children's developing bodies to ionizing radiation. Their smaller size means that even low doses of radiation can have more significant effects, making the implementation of robust protective measures essential.

By tailoring radiation safety apparel specifically for children, our pediatric products offer optimal protection and ensure the lowest radiation dose possible.

## PEDIATRIC TIE APRON



<b>MODEL</b>	AP-TA-CH
<b>CORE MATERIALS</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50 (standard), 0.35, 0.25mm LE
<b>CLOSURE</b>	Tie
<b>SIZING</b>	Small: 12 x 24" (Ages 1-3) Medium: 14 x 26" (Ages 4-6) Large: 16 x 28" (Ages 7-10)
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>COLORS</b>	See fabric colors on pages 34-43
<b>CE</b>	Yes

The Tie Apron is an easy-to-use, affordable option for x-ray protection. Utilizing a tie closure, the Tie Apron's criss crossing straps ensure a secure and comfortable fit. Premium foam padding in the shoulders provides extra comfort.



## PEDIATRIC VELCRO ADJUSTABLE APRON



<b>MODEL</b>	AP-VA-CH
<b>CORE MATERIALS</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50 (standard), 0.35, 0.25mm LE
<b>CLOSURE</b>	Hook and loop
<b>SIZING</b>	Small: 12 x 24" (Ages 1-3) Medium: 14 x 26" (Ages 4-6) Large: 16 x 28" (Ages 7-10)
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>COLORS</b>	See fabric colors on pages 34-43
<b>CE</b>	Yes

The Velcro adjustable apron has crisscrossing back straps that provide back support while securing the apron around your waist. Wide back straps prevent the apron from slipping around your shoulder and back area.



## PEDIATRIC HALF APRON



<b>MODEL</b>	AP-HA-CH
<b>CORE MATERIALS</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50 (standard), 0.35, 0.25mm LE
<b>CLOSURE</b>	Hook and loop
<b>SIZING</b>	Pediatric: 10" x 10"
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>COLORS</b>	See fabric colors on pages 34-43
<b>CE</b>	Yes

The half apron can provide extra radiation protection. Selling it separate also allows you to mix and match a smaller bottom half with a larger top piece or vice versa.



## PEDIATRIC DENTAL APRON



<b>MODEL</b>	AP-DA-CH / AP-DAC-CH
<b>CORE MATERIALS</b>	Lead - 0.25mm
<b>&amp; THICKNESS</b>	Prolite - 0.30mm
	Prolite Bilayer IEC - 0.30mm
<b>CLOSURE</b>	None
<b>SIZING</b>	Pediatric: 23.5" W x 18" L (from neckline)
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>ADD-ONS</b>	Anti-slip Fabric
<b>COLORS</b>	See fabric colors on pages 34-43
<b>CE</b>	Yes

The Dental apron provides optimal protection during dental procedures and x-rays. The dental apron comes with large hanging straps for easy storage and is available with attached hook and loop thyroid collar (AP-DAC) or without thyroid collar (AP-DA). Optional anti-slip interior fabric upgrade is also available.



## PEDIATRIC THYROID COLLAR



<b>MODEL</b>	AP-TCO-PD
<b>CORE MATERIALS</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50 (standard), 0.35, 0.25mm LE
<b>CLOSURE</b>	Hook and loop
<b>SIZING</b>	Infant: Custom (Ages 0-1) Pediatric: 10" (Ages 2-8)
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>ATTACHMENTS</b>	Loose, Clip, Keyring, Tethered
<b>COLORS</b>	See fabric colors on pages 34-43
<b>CE</b>	Yes

Our Pediatric Thyroid collar is based on the original style and is designed to protect children ages 2 to 8 from harmful x-ray. For ages 9 and up, simply opt for a small thyroid collar (12" neck circumference).



## PEDIATRIC GONAD SHIELD SET



<b>MODEL</b>	AP-GONSET2
<b>CORE MATERIALS</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50 (standard), 0.35, 0.25mm LE
<b>CLOSURE</b>	Velcro (standard) or Buckle
<b>SIZING</b>	1 Pediatric: 3.75" x 3.75" 1 Child: 5" x 4" 1 Small: 5.75" x 4.5"
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>COLORS</b>	See fabric colors on pages 34-43
<b>CE</b>	Yes

The pediatric gonad shield provides essential protection to radiosensitive reproductive organs. Secured via a hook and loop or buckle closure system, the Gonad shield is sold in 5 individual sizes or as a set of 3.



## PEDIATRIC SCOLIOSIS STOLE



MODEL	AP-STOLE-CH
CORE MATERIALS	All Core Types (see page 30)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Buckle
SIZING	Pediatric: 15" x 4.75"
CUSTOMIZATIONS	Embroidery and Logo
COLORS	See fabric colors on pages 34-43
CE	Yes

The scoliosis stole is primarily used for spinal imaging. The shield features hook and loop panels and an adjustable belt for proper positioning. The neck area does not contain lead, allowing complete visibility of the spine during x-ray, while offering protection to the breast area. This shield is great for scoliosis studies.



## TUGGA BABY



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

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

- Features:**
- Adjustable headband for universal fit



# APRON STORAGE

Protech's high quality garment storage devices are made in the USA from locally sourced raw materials. Each model is carefully designed to provide optimal storage utility and ease of use. We encourage you to properly store your garments in order to prolong their usable life and recommend our premium quality storage products to get the job done!

For best storage practices, please review our storage and care instructions which are found in the beginning of this catalog or review our recommendations below:

- **Store your garments on a hanger**
- **Avoid exposure to direct sunlight**
- **Avoid contact with sharp objects**
- **For transportation, garments should be rolled up, not folded**

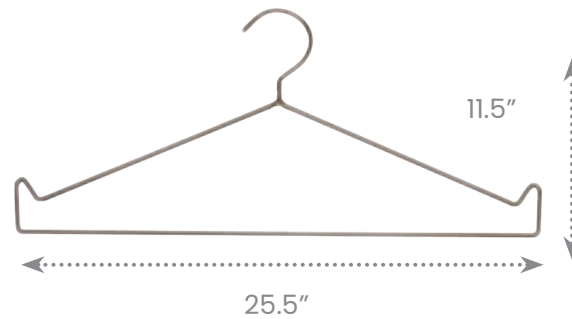


## APRON HANGER

MODEL: [ AS-HANG ]

CAPACITY: 40LBS

Constructed out of aluminum for durability and longevity this apron hanger is used for the storage of radiation protection aprons. It features hook style ends that are designed to hold lead skirts.



## APRON DUFFLE BAG

MODEL: [ AP-DUFFLE ]

CAPACITY: UP TO 2 APRONS

Our duffle bag protects your aprons while traveling between facilities or out of the country. Protect and store your aprons for transport now with our affordable, high quality duffle bag. Features: 10" Hook and loop Opening, Carrying Handle & Shoulder Strap.

**For all color options, refer to pages apron fabric color pages.**

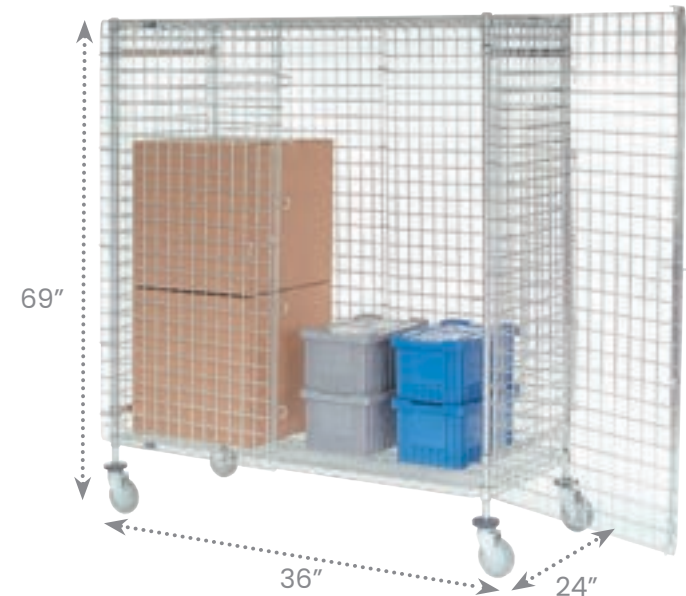


## WIRE STORAGE LOCKER

MODEL: [ AS-WLOCK3624 ]

CAPACITY: UP TO 15 APRONS

The Wire Storage Locker allows you to keep your garments and other valuables secure with the option of easy transport throughout your facility. The locker features lockable doors (opens a full 270°), 2 Wire Shelves, and a hanging rod (not shown) to easily hang your radiation apparel. The locker is coated with a true powder-epoxy over zinc-chromate electroplating, ensuring a strong, durable finish with excellent handling of extreme temperatures and moisture. NEXGard®, an anti-microbial agent protects the epoxy coating from bacteria, mold, and mildew that causes odors and product degradation. Handles all environmental conditions. Some assembly required.

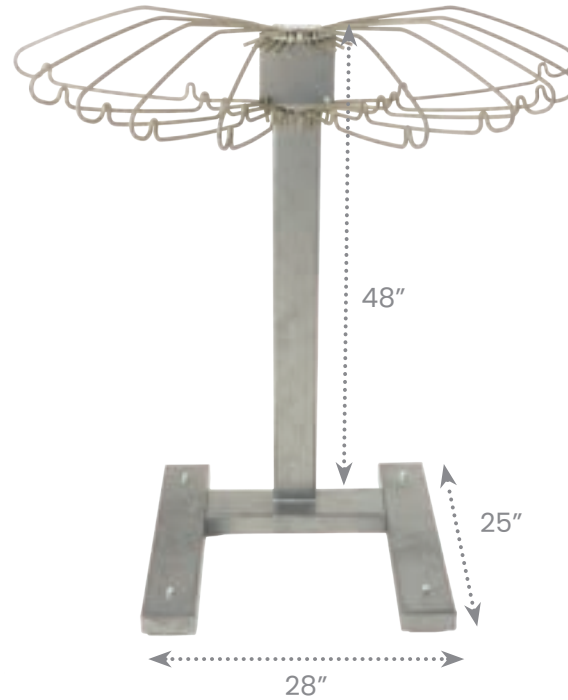


## MIGHTY MAX RACK

MODEL: [ AS-MAX-MOB ]

CAPACITY: 10 APRONS

The Mighty-Max mobile apron rack's solid steel design holds up to 10 aprons. The pedestal base has rolling wheels for easy portability. Convenience hooks on each hanger can hold lead skirts.

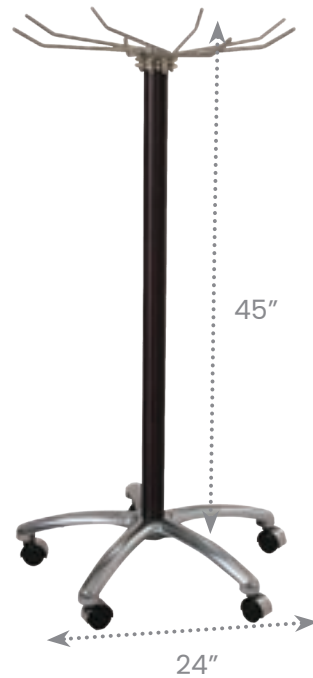


## PORTA RACK

MODEL: [ AS-PORTRK ]

CAPACITY: 8 APRONS

Ideal for use in the O.R., Specials, and Cath Labs, this portable apron storage unit is great quality and affordable. The 24" wheel base with double casters allows this completely loaded rack to glide smoothly while being moved. The porta rack features moving hanger arms that swing forward and backwards for easy apron selection.

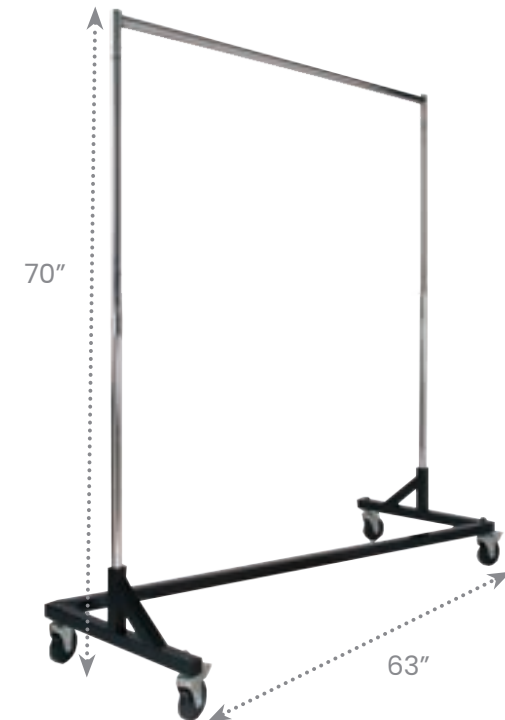


## Z-RACK

MODEL: [ AS-VALET3 ]

CAPACITY: UP TO 20 APRONS

Our Z-Rack is made with heavy duty construction and can hold up to 500 pounds. Large, swivel casters (2 with locking mechanisms) and convenient, nesting design make the Z-rack an excellent portable storage option. The rack provides storage capacity for up to 20 aprons!

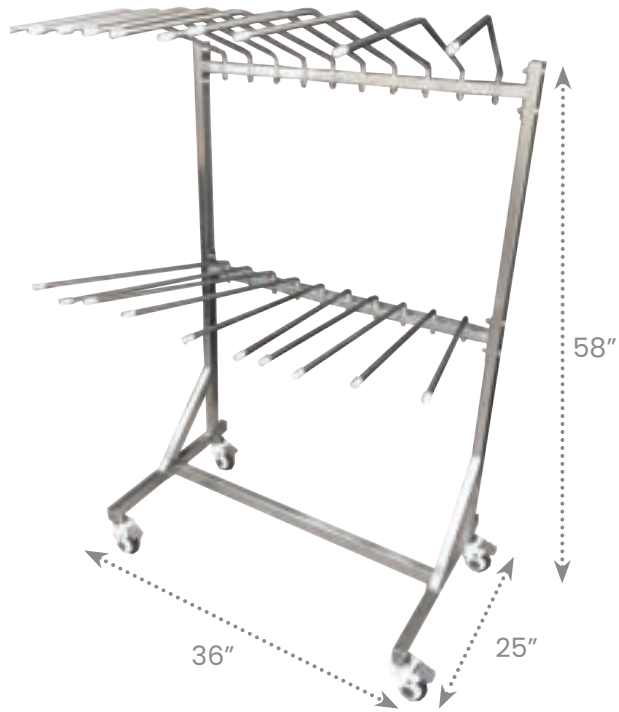


## 2-TIER VALET RACK

MODEL: [ AS-VALET2 ]

CAPACITY: UP TO 10 APRONS

Industrial quality steel construction and medical-grade casters makes the 2-tier apron racks an excellent portable storage option. The rack provides storage capacity for up to 10 aprons. \*Includes 4 screws for quick assembly

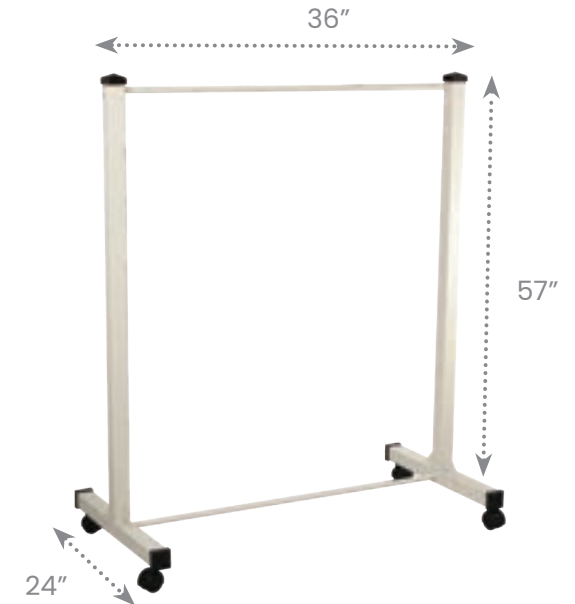


## VALET RACK

MODEL: [ AS-VALET ]

CAPACITY: UP TO 15 APRONS

Industrial quality steel construction and easy roll casters make these mobile apron racks an excellent portable storage option. The rack provides storage capacity for up to 15 aprons. \*Includes 4 screws for quick assembly



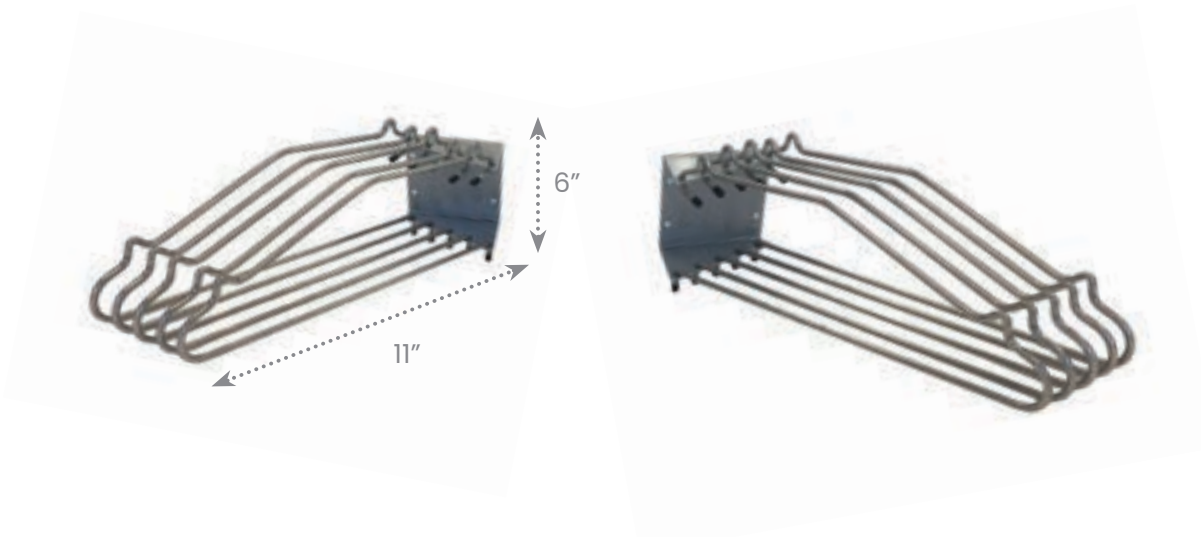
## WALL RACK

MODEL: [ AS-WALL-L/R ]

CAPACITY: 5 APRONS PER CONSOLE

Prolong the life of your radiation protective garment with our apron wall rack console. Each console holds up to 5 protective aprons with the combined left and right consoles storing up to 10 aprons. The wall console features hooks on the top of the hangers for lead skirts.

\*Does not include mounting hardware.



## PEG RACK

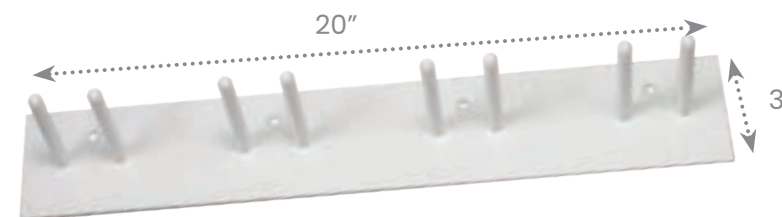
MODEL: [ AS-PEG ]

CAPACITY: 1-10 APRONS

The apron Peg rack is made of steel construction and easily screws into wall studs. It can store up to 10 aprons but comes in a variety of sizes that accommodate a range of lead aprons. This affordable wall storage for aprons is essential to prolong the life of your protective aprons. \*Mounting hardware is not included.

Example configuration shown: PEG-8

Model	# of Pegs	# of Aprons	Dimensions
PEG-2	2	1	5 x 3"
PEG-4	4	2	10 x 3"
PEG-6	6	3	15 x 3"
PEG-8	8	4	20 x 3"
PEG-10	10	5	25 x 3"
PEG-14	14	7	35 x 3"
PEG-18	18	9	45 x 3"
PEG-20	20	10	50 x 3"



# 02

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**Leaded eyewear is designed for personnel who are present during medical procedures involving fluoroscopy and other forms of x-ray imaging. As awareness of occupational eye exposure and lens-related radiation risks has increased, leaded glasses have become an essential part of radiation protection in many procedural settings.**

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# EYEWEAR

Handcrafted eyewear made by  
licensed opticians

Protech Medical is one of the largest U.S.-based manufacturers of leaded eyewear in the world. Our licensed opticians handcraft each frame, with every pair carefully assembled and inspected for quality, fit, and performance. From leaded glasses, goggles, and fitovers to face shields and prescription radiation eyewear, Protech offers a wide range of affordable and premium options to meet the needs of today's healthcare professionals.

To meet the diverse needs of medical professionals, Protech offers a broad selection of frame styles, brands, and configurations designed to support different fit preferences, clinical environments, and protection needs.

The Ray-Ban logo is written in a black, cursive script.The Oakley logo features a stylized 'O' with a horizontal line through it, above the word 'OAKLEY' in a bold, sans-serif font.The Costa logo consists of a stylized 'C' with a horizontal line through it, above the word 'COSTA' in a bold, sans-serif font.The WileyX logo features a stylized 'WX' with a horizontal line through it, above the word 'WILEYX' in a bold, sans-serif font.The Abaco Polarized logo features a stylized 'A' with a horizontal line through it, above the words 'ABACO' and 'POLARIZED' in a bold, sans-serif font.

# WHY USE LEADED EYEWEAR?

Published research has suggested that the lens of **the eye may be more sensitive to ionizing radiation than previously believed**, with cataract risk potentially associated with lower levels of exposure than once assumed. [2][3]

Studies have also indicated that interventional and fluoroscopy-based work may increase the likelihood of lens damage over time. [4] Protective measures such as leaded eyewear, patient-supported protective drapes, and suspended ceiling shields have been shown to help reduce lens dose. In fluoroscopy settings, **leaded eyewear has been reported to reduce lens exposure significantly**, with some studies showing reductions by a factor of two to three or more. [5]

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

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

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

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

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

# ANNUAL DOSE LIMITS

In 2012, the International Commission on Radiological Protection (ICRP) reduced its recommended occupational eye lens dose limit from 150 mSv per year to **20 mSv per year averaged over 5 years**, with no single year exceeding 50 mSv. The European Union subsequently incorporated these updated recommendations into its basic safety standards.



## PROTECTION SUMMARY

Lead Equivalence - 0.50 or 0.75mm Pb

X-ray Tube Voltage - 50 kV - 150 kV

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

CE 2895

# WHO USES PROTECTIVE EYEWEAR?

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



CARDIAC CATH



EP LABS



UROLOGY



INTERVENTIONAL  
RADIOLOGY



PAIN  
MANAGEMENT



ORTHOPEDIC  
SURGERY



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

*-- US National Library of Medicine*

## THE BREAKDOWN

# FRAME SIZING

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

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

**A**

### Eye Size

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

**B**

### Bridge Size

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

**C**

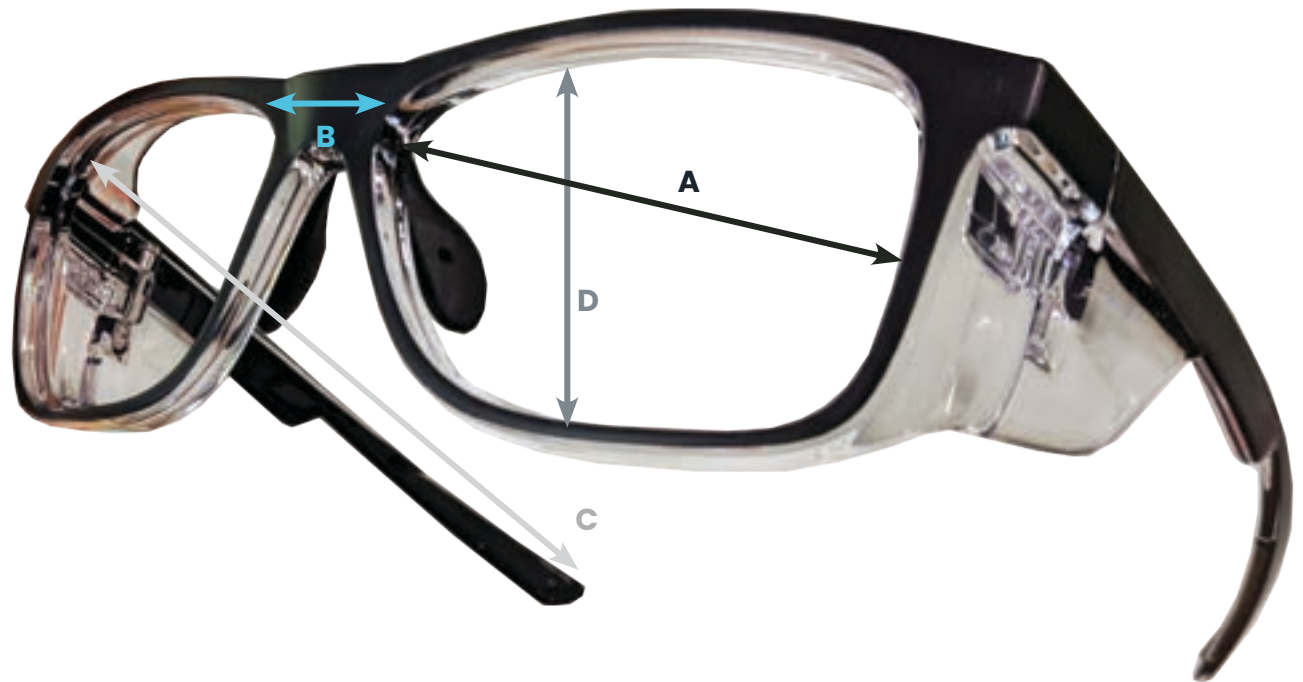
### Temple Size

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

**D**

### "B" Measurement

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



WHAT TO LOOK FOR

# YOUR PERFECT FRAME

## Temples

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

## Temple Grips

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

## Lead Glass

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

## Side Shields

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

## Nose Bridge

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

## Ventilated Nose Grips

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



## 98 SUPERLITE



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

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

### Features:

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



## 99 ULTRALITE



MODEL	RE-99/99SM/99R
FRAME TYPE	Wraparound
FRONT LENS	0.75mm Pb Glass
WEIGHT	67g   59.5g (SM)
FRAME SIZE	61-18-140   56-17-140 (SM)
MATERIAL	Nylon
SIDE SHIELDS	0.50mm Pb Strips SS (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	70   59 (SM)   70(bridge)
CE	Yes
COLORS	Brown (gold), Black, Blue, Silver, Fuschia

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

### Features:

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



## 9941 ULTRALITE



MODEL	RE-9941/9941A/994153
FRAME TYPE	Wraparound
FRONT LENS	0.75mm Pb Glass
WEIGHT	64g   60g (994153)
FRAME SIZE	55-22-130   53-22-130 (994153)
MATERIAL	Nylon
SIDE SHIELDS	0.50mm Pb Strips SS (optional for regular size)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	62   55 (994153)   63 (nosepad)
CE	Yes
COLORS	Silver, Black, Red, Blue, Matte Black

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

### Features:

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



## AIRBORNE



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

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

### Features:

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



## CENTRIST



MODEL	RE-CENT
FRAME TYPE	Wraparound
FRONT LENS	0.75mm Pb Glass
WEIGHT	88g
FRAME SIZE	55-17-140
MATERIAL	Nylon
SIDE SHIELDS	0.50mm Pb Strips SS (included) Extended Side Shields (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	61
CE	Yes
COLORS	Black Crystal

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

### Features:

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



## CIRCUIT



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

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

### Features:

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



## MAKO



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

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

### Features:

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



## MALIBU



MODEL	RE-MALIB
FRAME TYPE	Wraparound
FRONT LENS	0.75mm Pb Glass
WEIGHT	68.1g
FRAME SIZE	54-20-155
MATERIAL	Polycarbonate
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	57
CE	Yes
COLORS	Matte Blue, Matte Brown, Shiny Black

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

### Features:

- **Affordable and fashion forward**



## ONYX



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

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

### Features:

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



## RAZER



MODEL	RE-RAZER
FRAME TYPE	Wraparound
FRONT LENS	0.75mm Pb Glass
WEIGHT	62.5g
FRAME SIZE	58-17-135
MATERIAL	Polycarbonate
SIDE SHIELDS	0.50mm Pb SS (attached side shield included)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	60
CE	Yes
COLORS	Matte Green, Matte Black, Matte Gray, Matte Blue, Matte Red

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

### Features:

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



## 53 WRAP



MODEL	RE-53/53A
FRAME TYPE	Classic
FRONT LENS	0.75mm Pb Glass
WEIGHT	84g
FRAME SIZE	58-16-135
MATERIAL	Nylon
SIDE SHIELDS	0.50mm Pb Glass (included) or 0.75mm Pb Glass (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	60
CE	Yes
COLORS	Matte Black, Glossy Black, Tortoise

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

**Features:**

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



## MODERN METAL

**PHASE OUT**



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

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

**Features:**

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



## METAL AVIATOR



MODEL	RE-003
FRAME TYPE	Metals
FRONT LENS	0.75mm Pb Glass
WEIGHT	82g
FRAME SIZE	54-17-150
MATERIAL	Optical Steel
SIDE SHIELDS	0.50mm Pb Strips SS (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	59
CE	Yes
COLORS	Gold

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

### Features:

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



## PETITE METAL



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

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

### Features:

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



## CLASSIC METAL



MODEL	RE-008
FRAME TYPE	Metals
FRONT LENS	0.75mm Pb Glass
WEIGHT	64g
FRAME SIZE	54-19-140
MATERIAL	Optical Steel
SIDE SHIELDS	0.50mm Pb Strips SS (included)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	57
CE	Yes
COLORS	Gold

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

### Features:

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



## 553S METALITE



MODEL	RE-553S
FRAME TYPE	Metals
FRONT LENS	0.75mm Pb Glass
WEIGHT	62g
FRAME SIZE	50-18-140
MATERIAL	Optical Steel
SIDE SHIELDS	0.50mm Pb Strips SS (included)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	57
CE	Yes
COLORS	Silver

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

### Features:

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



## 557S METALITE



MODEL	RE-557S
FRAME TYPE	Metals
FRONT LENS	0.75mm Pb Glass
WEIGHT	63g
FRAME SIZE	48-20-135
MATERIAL	Optical Steel
SIDE SHIELDS	0.50mm Pb Strips SS (included)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	56
CE	Yes
COLORS	Gold

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

**Features:**

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



## 661/662S METALITE



MODEL	RE-661/662S
FRAME TYPE	Metals
FRONT LENS	0.75mm Pb Glass
WEIGHT	54g   70g (662S)
FRAME SIZE	52-18-144   52-18-145 (662S)
MATERIAL	Optical Steel
SIDE SHIELDS	0.50mm Pb Strips SS (included - 662S)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	58
CE	Yes
COLORS	Gold

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

**Features:**

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



## 90 FITOVER



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

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

### Features:

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



## FITGUARD ALPHA



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

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

### Features:

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



## FITGUARD BETA



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

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

### Features:

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



## FULL FACE SHIELD



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

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



Made in the USA  
from imported parts

## PANORAMIC FACE SHIELD



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

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



Made in the USA  
from imported parts

## 70 ASTROFLEX



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

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

### Features:

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



## COMET ECONOMY



MODEL	RE-COM
FRAME TYPE	Goggles
FRONT LENS	0.75mm Pb Glass
WEIGHT	65g
FRAME SIZE	50-19-117
MATERIAL	Polycarbonate
SIDE SHIELDS	0.50mm Pb Strips SS (included) Extended Side shield Seal (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	64
CE	Yes
COLORS	Orange/Black, Yellow/Black, Black

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

### Features:

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



## COMET



MODEL	RE-COMET
FRAME TYPE	Goggles
FRONT LENS	0.75mm Pb Glass
WEIGHT	78.3g
FRAME SIZE	59-19-114
MATERIAL	Polycarbonate
SIDE SHIELDS	0.50mm Pb Strips SS (included) Extended Side shield Seal (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	68
CE	Yes
COLORS	Blue, Gray/Orange, Pink

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

### Features:

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



## LEAD'R



MODEL	RE-OG220
FRAME TYPE	Goggles
FRONT LENS	0.75mm Pb Glass
WEIGHT	76.7g
FRAME SIZE	58-15-135
MATERIAL	Polycarbonate
SIDE SHIELDS	0.50mm Pb Strips SS (included) Extended Side Shields (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	63
CE	Yes
COLORS	Black, Gray/Pink, Green/Yellow, White/Purple

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

### Features:

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



## X-GUARD



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

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

### Features:

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



## ABACO DOCKSIDE



MODEL	AB-DOCK
FRAME TYPE	Brand - Abaco
FRONT LENS	0.75mm Pb Glass
WEIGHT	72g
FRAME SIZE	58-19-135
MATERIAL	Polycarbonate
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	63
CE	Yes
COLORS	Black, Crystal Clear

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

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



## ABACO JESSE



MODEL	AB-JES
FRAME TYPE	Brand - Abaco
FRONT LENS	0.75mm Pb Glass
WEIGHT	68g
FRAME SIZE	56-18-142
MATERIAL	Polycarbonate
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	61
CE	Yes
COLORS	Matte Black

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

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



## ABACO KAI



MODEL	AB-KAI
FRAME TYPE	Brand - Abaco
FRONT LENS	0.75mm Pb Glass
WEIGHT	65g
FRAME SIZE	56-18-135
MATERIAL	Polycarbonate
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	61
CE	Yes
COLORS	Crystal Clear, Matte Black

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

### Features:

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



## ABACO WAIKIKI



MODEL	AB-WAI
FRAME TYPE	Brand - Abaco
FRONT LENS	0.75mm Pb Glass
WEIGHT	68g
FRAME SIZE	54-21-140
MATERIAL	Polycarbonate
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	58
CE	Yes
COLORS	Tortoise, Gloss Black

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

### Features:

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



## COSTA ALETA



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

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

**Features:**

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



## COSTA ARANSAS



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

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

**Features:**

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



## COSTA BLACKFIN



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

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

**Features:**

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



## COSTA BIMINI ROAD 330



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

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

**Features:**

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



## COSTA BIMINI ROAD 320



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

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

### Features:

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



## COSTA FERNANDINA



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

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

### Features:

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



## COSTA OCEAN RIDGE 400



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

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

### Features:

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



## COSTA SEADRIFT



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

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

### Features:

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



## COSTA SULLIVAN



MODEL	CO-SUL
FRAME TYPE	Brand - Costa
FRONT LENS	0.75mm Pb Glass
WEIGHT	-
FRAME SIZE	53-19-140
MATERIAL	Acetate
SIDE SHIELDS	0.50mm Pb Strips SSA (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	56
CE	Yes
COLORS	Tortoise, Black Kelp, Matte Gray Crystal

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

### Features:

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



## COSTA TUNA ALLEY



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

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

### Features:

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



## NIKE 7116



MODEL	N-7116
FRAME TYPE	Brand - Nike
FRONT LENS	0.75mm Pb Glass
WEIGHT	71.5g
FRAME SIZE	56-15-140
MATERIAL	Bioplastics
SIDE SHIELDS	0.50mm Pb Strips SSA (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	54
CE	Yes
COLORS	Matte Gridiron/Blue, Matte Black/Blue

The Nike 7116 lead glasses are a retro-chic, gender-neutral frame made of lightweight, bio-plastic. Featuring rubberized nose pads and temple tips, the 7116 protective eyewear are a comfortable “all-day-wear” option.

### Features:

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



## NIKE BRAZEN



MODEL	N-BR
FRAME TYPE	Brand - Nike
FRONT LENS	0.75mm Pb Glass
WEIGHT	75g
FRAME SIZE	60-16-140
MATERIAL	Nylon
SIDE SHIELDS	0.50mm Pb Strips SS (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	68 (Min. Single Vision PD: 64)
CE	Yes
COLORS	Matte Black with Blue, Shiny Black

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

### Features:

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



## NIKE BRAZEN FURY



MODEL	N-BRF
FRAME TYPE	Brand - Nike
FRONT LENS	0.75mm Pb Glass
WEIGHT	-
FRAME SIZE	60-17-130
MATERIAL	Bioplastics
SIDE SHIELDS	0.50mm Pb Strips SS or SSA (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	67
CE	Yes
COLORS	Matte Black with Green, Matte Gray/Blue

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

### Features:

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



## NIKE PREMIER



MODEL	N-PRMR
FRAME TYPE	Brand - Nike
FRONT LENS	0.75mm Pb Glass
WEIGHT	67.8g
FRAME SIZE	60-13-135
MATERIAL	Nylon
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	63
CE	Yes
COLORS	Matte Anthracite, Matte Black

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

### Features:

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



## NIKE RABID 22



MODEL	N-RABID
FRAME TYPE	Brand - Nike
FRONT LENS	0.75mm Pb Glass
WEIGHT	69g
FRAME SIZE	61-14-130
MATERIAL	Nylon
SIDE SHIELDS	0.50mm Pb Strips SSA (optional)
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Matte Black/Gray

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

### Features:

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



## LIBERTY MAXX 30



MODEL	LBT-MAX30S (small)   LBT-MAX30 (reg.)
FRAME TYPE	Brand - Liberty
FRONT LENS	0.75mm Pb Glass
WEIGHT	60g (small)   69g (reg.)
FRAME SIZE	53-17-130 (small)   55-20-130 (reg.)
MATERIAL	Polycarbonate
SIDE SHIELDS	0.50mm Pb Strips SS (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	55 (small)   62 (reg.)
CE	Yes
COLORS	Shiny Black, Shiny Blue, Shiny Red, Shiny Silver

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

### Features:

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



## LIBERTY MAXX 31



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

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

### Features:

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



## OAKLEY CROSSLINK ZERO



MODEL	OA-CROSS
FRAME TYPE	Brand - Oakley
FRONT LENS	0.75mm Pb Glass
WEIGHT	61.6g
FRAME SIZE	58-16-138
MATERIAL	Durable O Matter™
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	64
CE	Yes
COLORS	Matte Black, Polished Gray Shadow

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

### Features:

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



## OAKLEY FIVE SQUARED



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

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

**Features:**

- **Lightweight frame**



## OAKLEY HOLBROOK



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

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

**Features:**

- **Lightweight frame**



## OAKLEY JUPITER SQUARED



MODEL	OA-JUP
FRAME TYPE	Brand - Oakley
FRONT LENS	0.75mm Pb Glass
WEIGHT	74.1g
FRAME SIZE	56-18-135
MATERIAL	Durable O Matter™
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	62
CE	Yes
COLORS	Matte Black - USA Flag

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

### Features:

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



## OAKLEY LITEBEAM



MODEL	OA-LITE
FRAME TYPE	Brand - Oakley
FRONT LENS	0.75mm Pb Glass
WEIGHT	59.6g
FRAME SIZE	55-18-140
MATERIAL	Durable O Matter™
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	58
CE	Yes
COLORS	Satin Black

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

### Features:

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



## OAKLEY TRILLBE X



MODEL	OA-TRILL
FRAME TYPE	Brand - Oakley
FRONT LENS	0.75mm Pb Glass
WEIGHT	64g
FRAME SIZE	52-18-140
MATERIAL	Durable O Matter™
SIDE SHIELDS	0.50mm Pb Strips SSA (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	55
CE	Yes
COLORS	Polished Clear

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

**Features:**

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



## RAY BAN 2016 DADDY-O



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

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

**Features:**

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



## RAY BAN 4105



MODEL	RB-4105
FRAME TYPE	Brand - Ray Ban
FRONT LENS	0.75mm Pb Glass
WEIGHT	62g
FRAME SIZE	50-23-140
MATERIAL	Nylon
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	54
CE	Yes
COLORS	Matte Black

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

### Features:

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



## RAY BAN 4165F JUSTIN



MODEL	RB-4165
FRAME TYPE	Brand - Ray Ban
FRONT LENS	0.75mm Pb Glass
WEIGHT	73g
FRAME SIZE	55-18-145
MATERIAL	Nylon
SIDE SHIELDS	N/A
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	60
CE	Yes
COLORS	Matte Black

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

### Features:

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



## RAY BAN 4181



MODEL	RB-4181
FRAME TYPE	Brand - Ray Ban
FRONT LENS	0.75mm Pb Glass
WEIGHT	71.4g
FRAME SIZE	57-16-145
MATERIAL	Injected Plastic
SIDE SHIELDS	0.50mm Pb Strips SSA (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	60
CE	Yes
COLORS	Tortoise

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

**Features:**

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



## RAY BAN 7047



MODEL	RB-7047
FRAME TYPE	Brand - Ray Ban
FRONT LENS	0.75mm Pb Glass
WEIGHT	63g
FRAME SIZE	54-17-140
MATERIAL	Injected Plastic
SIDE SHIELDS	0.50mm Pb Strips SSA (optional)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	59
CE	Yes
COLORS	Black, Blue, Brown

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

**Features:**

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



## WILEY-X AIRRAGE



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

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

### Features:

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



## WILEY-X BOSS



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

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

### Features:

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



**Facial Cavity Seal**



## WILEY-X BRICK



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

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

### Features:

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



Facial Cavity Seal



## WILEY-X CONTOUR



MODEL	WX-CON
FRAME TYPE	Brand - Wiley-X
FRONT LENS	0.75mm Pb Glass
WEIGHT	62.3g
FRAME SIZE	54-17-140
MATERIAL	Nylon
SIDE SHIELDS	0.50mm Pb Inserts SS (included)
RX OPTIONS	Single Vision, Bifocal, Progressive
MIN PRG PD	57
CE	Yes
COLORS	Matte Black, Gloss Black/Brown Stripe

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

### Features:

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



## WILEY-X P-17



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

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

### Features:

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



## TUGGA BABY



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

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

### Features:

- **Adjustable headband for universal fit**





# EYEWEAR ADDONS

## Lateral Side Shields

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



Fig A - Side shield example - 0.75mm Pb Glass



Side shield Attachment (SSA) example



Side shield (SS) example - 0.50mm Pb strip

## AR Coating

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

# ACCESSORIES



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



RE-CLEAN

RE-CLOTH

RE-CASE



RE-STRAP



RE-STRAP2

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

Prescription (Rx) Options

Model	Size	Base Curve	Weight (g)	Side Shields	CE	Material	Frame Type	Rx	Min. PRO PD	Powers	Included Accessories
<b>Fitovers</b>											
90 Fitover	66-14-120	4BC 80	112	Incl	Y	Nylon	Fitover	-	-	-	OEM: C, ST, CL, P
FitGuard Alpha	69-17-145	4BC 80	91	Incl	Y	Nylon	Fitover	-	-	-	OEM: C, ST, CL, P
FitGuard Beta	64-18-150	4BC 80	108	Incl	Y	Nylon	Fitover	-	-	-	OEM: C, ST, CL, P
<b>Goggles</b>											
70s Astroflex	54-19-ADJ	4BC 65	88	Incl	Y	Polycarbonate	Goggle	✓	62	8.00 to -9.00	OEM: C, ST, CL, P
Comet	59-19-114	6BC 65	78.3	Incl	Y	Polycarbonate	Goggle	✓	68	8.00 to -9.00	OEM: C, ST, CL, P
Comet Economy	57-17-120	6BC 65	65	Incl	Y	Polycarbonate	Goggle	✓	64	8.00 to -9.00	OEM: C, ST, CL, P
LeadR	58-15-135	6BC 65	76.7	Incl	Y	Polycarbonate	Goggle	✓	63	8.00 to -9.00	OEM: C, ST, CL, P
X Guard	58-18-135	6BC 65	81.8	Incl	Y	Polycarbonate	Goggle	✓	62	8.00 to -9.00	OEM: C, ST, CL, P
<b>Classic</b>											
53 Wrap	58-16-135	4BC 65	84	Incl	Y	Nylon	Glasses	✓	60	8.00 to -9.00	OEM: C, ST, CL, P
Malibu	54-20-155	4BC 65	68.1	N/A	Y	Polycarbonate	Glasses	✓	57	8.00 to -9.00	OEM: C, ST, CL, P
<b>Classic Metals</b>											
553s Metalite	50-18-140	4BC 65	62	Incl	Y	Optical Steel	Glasses	✓	57	8.00 to -9.00	OEM: C, ST, CL, P
557s Metalite	48-20-135	4BC 65	63	Incl	Y	Optical Steel	Glasses	✓	56	8.00 to -9.00	OEM: C, ST, CL, P
661 Metalite	52-18-144	4BC 65	54	N/A	Y	Optical Steel	Glasses	✓	58	8.00 to -9.00	OEM: C, ST, CL, P
662s Metalite	52-18-145	4BC 65	70	Incl	Y	Optical Steel	Glasses	✓	58	8.00 to -9.00	OEM: C, ST, CL, P
Classic Metal	54-19-140	4 - 6	64	Incl	Y	Optical Steel	Glasses	✓	57	8.00 to -9.00	OEM: C, ST, CL, P
Metal Aviators	54-17-150	4 - 6	82	SS	Y	Optical Steel	Glasses	✓	59	8.00 to -9.00	OEM: C, ST, CL, P
Modern Metal	48-20-135	4 - 6	73	SS	Y	Optical Steel	Glasses	✓	58	8.00 to -9.00	OEM: C, ST, CL, P
Petite Metal	52-22-150	4 - 6	63	SS	Y	Optical Steel	Glasses	✓	58	8.00 to -9.00	OEM: C, ST, CL, P
<b>Wrap-Around</b>											
98	63-15-120	8BC 73	63	N/A	Y	Nylon	Glasses	-	-	-	OEM: C, ST, CL, P
99 Ultralite	61-18-140	6BC 65	67	SS	Y	Nylon	Glasses	✓	70	6.00 to -6.00	OEM: C, ST, CL, P
99 Ultralite Small	56-17-140	6BC 65	59.5	N/A	Y	Nylon	Glasses	✓	59	6.00 to -6.00	OEM: C, ST, CL, P
99 Ultralite Bridge	61-18-140	6BC 65	67	SS	Y	Nylon	Glasses	✓	70	6.00 to -6.00	OEM: C, ST, CL, P
9941 Ultralite	55-22-130	6BC 65	62	SS	Y	Nylon	Glasses	✓	62	8.00 to -9.00	OEM: C, ST, CL, P
9941-53 Ultralite SM	53-22-130	6BC 65	58	N/A	Y	Nylon	Glasses	✓	55	8.00 to -9.00	OEM: C, ST, CL, P
9941 UL w Nosepad	55-22-130	6BC 65	64	SS	Y	Nylon	Glasses	✓	63	8.00 to -9.00	OEM: C, ST, CL, P
Airborne	57-21-145	4BC 65	74.7	SS	Y	Polycarbonate	Glasses	✓	62	8.00 to -9.00	OEM: C, ST, CL, P
Centrist	55-17-140	4BC 65	88	Incl	Y	Nylon	Glasses	✓	61	8.00 to -9.00	OEM: C, ST, CL, P
Circuit	60-18-135	8BC 73	82.1	SS/SSA	Y	Nylon	Glasses	-	-	-	OEM: C, ST, CL, P
Mako	65-15-130	8BC 73	69.3	Incl	Y	Polycarbonate	Glasses	-	-	-	OEM: C, ST, CL, P
Onyx	68-19-135	8BC 73	71.7	N/A	Y	Polycarbonate	Glasses	-	-	-	OEM: C, ST, CL, P
Razer	58-17-135	6BC 65	62.5	Incl	Y	Polycarbonate	Glasses	✓	60	6.00 to -6.00	OEM: C, ST, CL, P
<b>Kids</b>											
Tugga Baby	46-18	4BC 65	42	N/A	Y	Polycarbonate	Glasses	-	-	-	OEM: C, ST, CL, P
<b>Abaco Brand</b>											
Dockside	58-19-135	6BC 65	72	N/A	Y	Polycarbonate	Glasses	✓	63	8.00 to -9.00	OEM: C, ST, CL, P
Tiki											
Kai	56-18-135	4BC 65	65	N/A	Y	Polycarbonate	Glasses	✓	61	8.00 to -9.00	OEM: C, ST, CL, P
Jesse	56-18-142	6BC 65	68	N/A	Y	Polycarbonate	Glasses	✓	61	8.00 to -9.00	OEM: C, ST, CL, P
Waikiki	54-21-140	4BC 65	68	N/A	Y	Polycarbonate	Glasses	✓	58	8.00 to -9.00	OEM: C, ST, CL, P

**Included Accessories:**

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

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

**Accessory Types:**

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

Prescription (Rx) Options

Model	Size	Base Curve	Weight (g)	Side Shields	CE	Material	Frame Type	Rx	Min. PRO PD	Powers	Included Accessories
<b>Costa Brand</b>											
Aleta	54-19-136	6BC 65	-	N/A	Y	Bioplastics	Glasses	✓	57	8.00 to -9.00	OEM: C, ST, CL, P
Aransas	58-17-145	6BC 65	-	N/A	Y	Acetate	Glasses	✓	63	8.00 to -9.00	OEM: C, ST, CL, P
Blackfin	62-17-120	-	-	N/A	Y	Bioplastics	Glasses	-	-	-	OEM: C, ST, CL, P
Bimini Road 330	55-16-145	4BC 65	-	SSA	Y	Metal	Glasses	✓	60	8.00 to -9.00	OEM: C, ST, CL, P
Bimini Road 320	53-17-145	4BC 65	-	SSA	Y	Metal	Glasses	✓	59	8.00 to -9.00	OEM: C, ST, CL, P
Fernandina	57-15-132	4BC 65	-	SSA	Y	Metal, Acetate	Glasses	✓	61	8.00 to -9.00	OEM: C, ST, CL, P
Ocean Ridge 400	57-16-140	4BC 65	-	SSA	Y	Bioplastics	Glasses	✓	60	8.00 to -9.00	OEM: C, ST, CL, P
Seadrift	60-15-123	8BC 73	-	N/A	Y	Bioplastics	Glasses	-	-	-	OEM: C, ST, CL, P
Sullivan	53-19-140	6BC 65	-	SSA	Y	Acetate	Glasses	✓	56	8.00 to -9.00	OEM: C, ST, CL, P
Tuna Alley	61.5-11-125	8BC 73	-	N/A	Y	Nylon	Glasses	-	-	-	OEM: C, ST, CL, P
Tybee	55-20-140	6BC 65	-	SSA	Y	Acetate	Glasses	✓	60	8.00 to -9.00	OEM: C, ST, CL, P
<b>Nike Brand</b>											
Brazen	60-16-140	6BC 65	75	SS	Y	Nylon	Glasses	✓	68	8.00 to -9.00	BR: P ; OEM: C, ST, CL
Brazen Fury	60-17-130	6BC 65	73.8	N/A	Y	Bioplastics	Glasses	✓	67	8.00 to -9.00	BR: P ; OEM: C, ST, CL
Premier	60-13-135	6BC 65	67.8	N/A	Y	Nylon	Glasses	✓	63	8.00 to -9.00	BR: P ; OEM: C, ST, CL
Rabid 22	61-14-130	8BC 73	63	N/A	Y	Nylon	Glasses	-	-	-	BR: P ; OEM: C, ST, CL
7116	56-15-140	6BC 65	71.5	N/A	Y	Bioplastics	Glasses	✓	54	8.00 to -9.00	BR: P ; OEM: C, ST, CL
<b>Liberty Brand</b>											
Maxx 30 (small)	53-17-130	6BC 65	60	SS	Y	Polycarbonate	Glasses	✓	55	8.00 to -9.00	OEM: C, ST, CL, P
Maxx 30 (regular)	55-20-130	6BC 65	69	SS	Y	Polycarbonate	Glasses	✓	62	8.00 to -9.00	OEM: C, ST, CL, P
Maxx 31 (small)	53-17-130	6BC 65	60	SS	Y	Polycarbonate	Glasses	✓	56	8.00 to -9.00	OEM: C, ST, CL, P
<b>Oakley Brand</b>											
Crosslink Zero	58-16-138	6BC 65	61.6	N/A	Y	O Matter	Glasses	✓	64	8.00 to -9.00	BR: C, ST, CL
Five Squared	54-20-135	8BC 73	71	N/A	Y	O Matter	Glasses	-	-	-	BR: C, ST, CL
Holbrook	56-18-135	6BC 65	66.5	N/A	Y	O Matter	Glasses	✓	60	8.00 to -9.00	BR: C, ST, CL
Jupiter Squared	56-18-135	6BC 65	74.1	N/A	Y	O Matter	Glasses	✓	62	6.00 to -6.00	BR: P ; OEM: C, ST, CL
Litebeam	55-18-140	4BC 65	59.6	N/A	Y	O Matter	Glasses	✓	58	8.00 to -9.00	BR: C, ST, CL
Trillbe X	52-18-140	4BC 65	63.9	N/A	Y	O Matter	Glasses	✓	55	8.00 to -9.00	BR: C, ST, CL
<b>Ray ban Brand</b>											
Daddy-O 2016	59-17-125	6BC 65	61	N/A	Y	Nylon	Glasses	✓	65	6.00 to -6.00	BR: C ; OEM: ST, CL, P
4105	50-22-140	6BC 65	62	N/A	Y	Injected Plastic	Glasses	✓	54	8.00 to -9.00	BR: C, ST, CL
4165F Justin	55-18-145	6BC 65	73	N/A	Y	Nylon	Glasses	✓	60	8.00 to -9.00	BR: C, ST, CL
4181	57-16-145	6BC 65	71.4	N/A	Y	Injected Plastic	Glasses	✓	60	8.00 to -9.00	BR: C, ST, CL
7047	54-17-140	4BC 65	63	N/A	Y	Injected Plastic	Glasses	✓	59	8.00 to -9.00	BR: C, ST, CL
<b>Wiley X Brand</b>											
Airrage	61-18-124	8BC 73	67.5	N/A	Y	Polycarbonate	Glasses	-	-	-	BR: C, ST, CL
Boss	68-18-125	8BC 73	84.5	N/A	Y	Polycarbonate	Glasses	-	-	-	BR: C, ST, CL
Brick	63-18-120	8BC 73	74	N/A	Y	Polycarbonate	Glasses	-	-	-	BR: C, ST, CL
Contour	54-17-140	4BC 65	62.3	Incl	Y	Nylon	Glasses	✓	57	8.00 to -9.00	BR: C, ST, CL
P-17	60-18-125	8BC 73	68	N/A	Y	Polycarbonate	Glasses	-	-	-	BR: C, ST, CL
<b>Face Shields / Masks</b>											
450FPM	Adjustable	-	350g	N/A	Y	Plastic/Acrylic	Mask	-	-	-	Custom Case
400PSM	Adjustable	-	425g	N/A	Y	Plastic/Acrylic	Mask	-	-	-	Custom Case

**Included Accessories:**

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

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

**Accessory Types:**

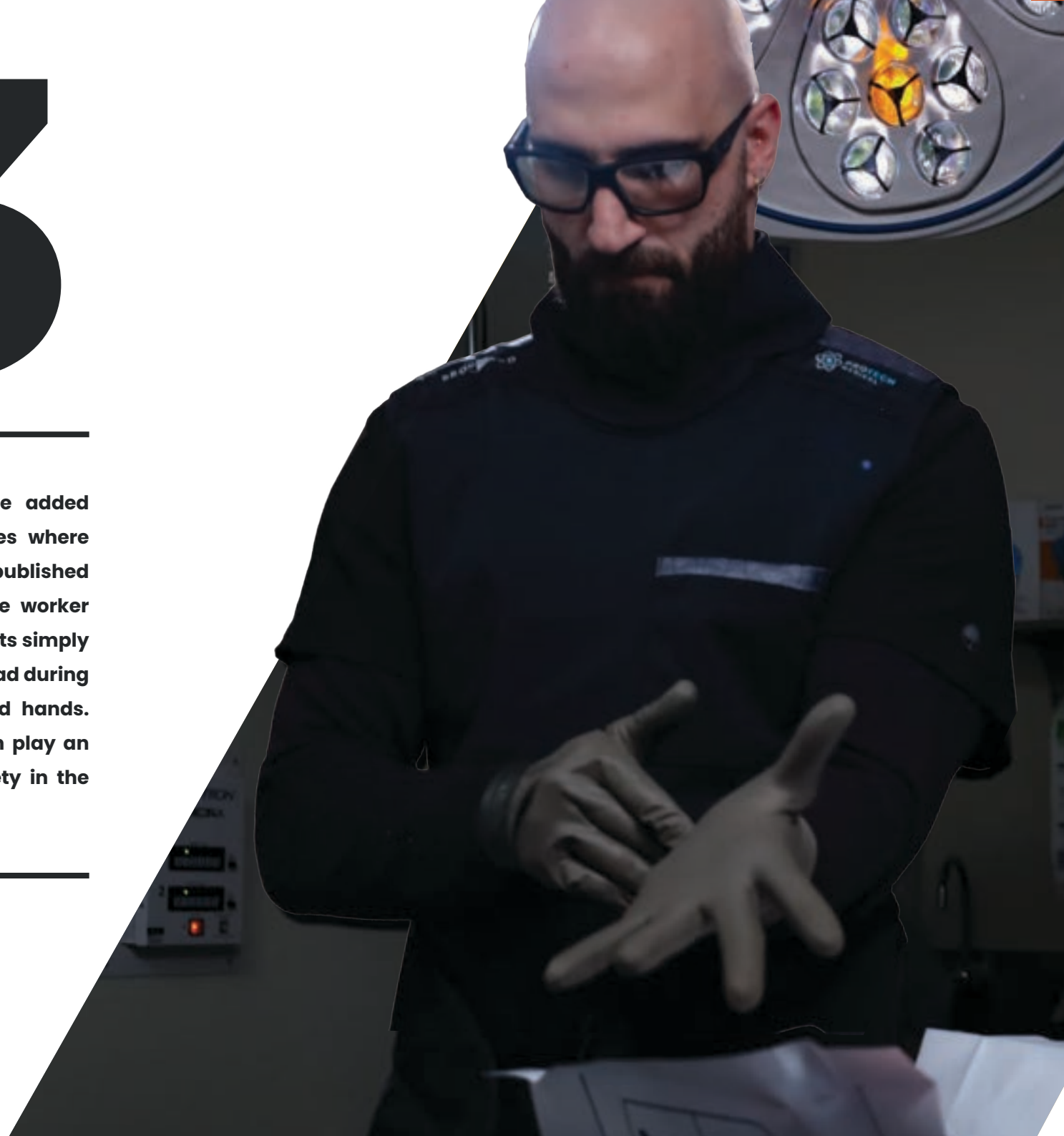
C = Case  
P = Pouch  
ST = Straps  
CL = Cloth

# 03

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Radiation attenuation gloves help provide added protection for the hands during procedures where exposure risk may be elevated. In one published study, researchers noted that a healthcare worker could exceed annual radiation exposure limits simply by repeatedly holding a trauma patient's head during cervical spine radiography with unshielded hands. For this reason, proper hand protection can play an important role in supporting radiation safety in the clinical environment.

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# GLOVES

## Highly tactile Radiation Attenuation Gloves

For more than 30 years, the Proguard family of products has delivered a proven balance of quality, comfort, and performance. Our glove portfolio has expanded thoughtfully over time to meet the evolving needs of healthcare professionals across a wide range of clinical applications.

The Proguard brand is built around a careful balance of tactile sensitivity, protection, and comfort without unnecessary compromise. Designed with both safety and performance in mind, our glove offerings include fluoroscopic procedure gloves along with patient positioning and veterinary styles available in a variety of protection levels and colors.

# PROGUARD RR



MODEL: [ RR1 | RR2 | RR3 ]

Used during procedures requiring high tactile sensitivity, the Proguard RR radiation attenuation gloves are the industry leaders for protection against x-ray. Designed and produced in a modern manufacturing facility, our premium quality gloves are powder free, latex free, and sterile. The Proguard RR gloves blend premium comfort and optimal protection at an affordable cost.

COMPOSITION	STERILIZED	LATEX	POWDER	FDA	CE
Lead Oxide Dry Natural Rubber	Ethylene Oxide	No	No	PPE	Yes

Models	60 kVp	90 kVp	120 kVp	Area Density	Thickness
RR1	45%	33%	26%	0.45 kg/m <sup>2</sup>	0.24mm ± 0.02mm
RR2	52%	40%	32%	0.63 kg/m <sup>2</sup>	0.28mm ± 0.02mm
RR3	60%	47%	39%	0.63+ kg/m <sup>2</sup>	0.38mm ± 0.02mm

**Certified to ASTM 2547 and IEC 61331-1:2014 Standards**

## SIZING INFORMATION

• 6 - RR160	RR260	RR360	• 8 - RR180	RR280	RR380
• 6.5 - RR165	RR265	RR365	• 8.5 - RR185	RR285	RR385
• 7 - RR170	RR270	RR370	• 9 - RR190	RR290	RR390
• 7.5 - RR175	RR275	RR375	• 9.5 - RR195	RR295	RR395



Attenuation Gloves



Latex Free/  
Hypoallergenic



Premium  
Lead



High Tactile  
Sensitivity



Slip Coat  
Technology



Single Use  
Only



# PROGUARD RR SLEEVE

MODEL: [ RR-SLV ]

COMPOSITION	STERILIZED	LATEX	POWDER	FDA	CE
Lead Oxide Dry Natural Rubber	Ethylene Oxide	No	No	PPE	No

Models	60 kVp	90 kVp	120 kVp	Area Density	Thickness
RR-SLV	52%	40%	32%	0.63 kg/m <sup>2</sup>	0.28mm ± 0.02mm


The Proguard RR radiation reducing sleeve is latex free, powder free and sterile. Composed of lead oxide, these sleeves offer complete arm protection when used in conjunction with radiation attenuating gloves (pictured with the Proguard RR below). For best use, tuck the RR sleeve into your radiation safety gloves. Sold by the pair and available in 3 sizes.

## Certified to ASTM 2547 and IEC 61331-1:2014 Standards


### SIZING INFORMATION

• <b>Small (RR-SLV-SM)</b>	Approx. dimensions: 15.5" L x 7" W [3.75" at base; 5" at top]
• <b>Medium (RR-SLV-MD)</b>	Approx. dimensions: 15.5" L x 7.5" W [4" at base; 5" at top]
• <b>Large (RR-SLV-LG)</b>	Approx. dimensions: 15.5" L x 8" W [4.75" at base; 5.5" at top]





**Latex Free/  
Hypoallergenic**



**Premium  
Lead**



Single Use  
Only

# PROGUARD ELITE



MODEL: [ E1 | E2 ]

The Proguard Elite is composed of a lead-free bismuth formula blended with premium polyisoprene and a proprietary polymer matrix free of harmful chemicals (MBT and DPG). The Proguard Elite gloves are intended to reduce the amount of scattered radiation exposure to the hands during fluoroscopic procedures. Proguard gloves are powder-free Personal Protective Equipment and are sterile unless opened or damaged.

COMPOSITION	STERILIZED	LATEX	POWDER	FDA	CE
Bismuth (Lead Free) Polyisoprene	Ethylene Oxide	No	No	PPE	Yes

Models	60 kVp	90 kVp	120 kVp	Thickness
E1	45%	33%	26%	0.24mm ± 0.03mm
E2	52%	40%	32%	0.28mm ± 0.03mm

**Certified to ASTM 2547 and IEC 61331-1:2014 Standards**

## SIZING INFORMATION

• 6 - E160	E260	• 8 - E180	E280
• 6.5 - E165	E265	• 8.5 - E185	E285
• 7 - E170	E270	• 9 - E190	E290
• 7.5 - E175	E275	• 9.5 - E195	E295



Latex Free/  
Hypoallergenic



Lead  
Free



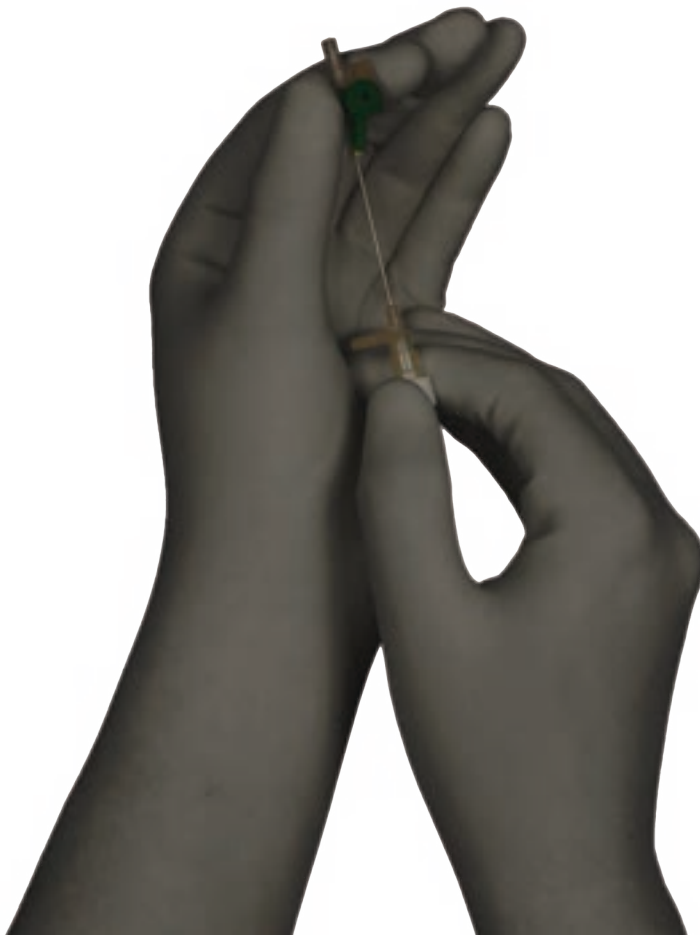
High Tactile  
Sensitivity



Slip Coat  
Technology



Single Use  
Only





# PROGUARD PLUS

MODEL: [ PG1 ]

COMPOSITION	STERILIZED	LATEX	POWDER	FDA	CE
Lead Oxide Polyisoprene	Ethylene Oxide	No	No	PPE	Yes

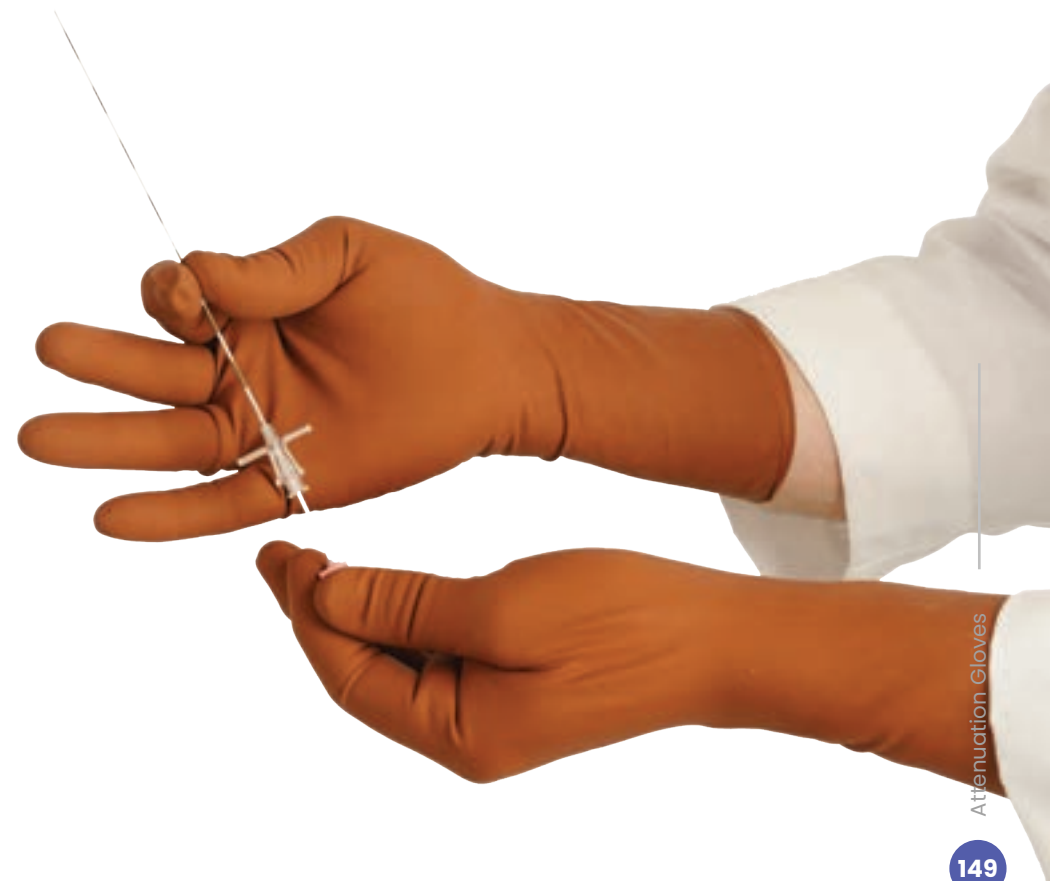
Models	60 kVp	80 kVp	100 kVp	120 kVp	Thickness
PG1	46%	37%	30%	24%	0.24mm ± 0.03mm

**Certified to ASTM 2547 and IEC 61331-1:2014 Standards**


## SIZING INFORMATION

• 6 - PG160	PG260	• 8 - PG180	PG280
• 6.5 - PG165	PG265	• 8.5 - PG185	PG285
• 7 - PG170	PG270	• 9 - PG190	PG290
• 7.5 - PG175	PG275	• 9.5 - PG195	PG295


The Proguard Plus achieves surgical grade performance by combining the quality and characteristics of the original Protech Proguard glove with premium, latex-free polyisoprene. Rich textures, versatile grip, and maximum protection provide unrivaled tactile sensitivity and security.



Attenuation Gloves



**Latex Free/  
Hypoallergenic**



**Premium  
Lead**



**High Tactile  
Sensitivity**



**Slip Coat  
Technology**



**Single Use  
Only**

## ANGIOGRAPHIC LEAD GLOVE



<b>MODEL</b>	AP-ANGIO
<b>CORE MATERIALS</b>	Lead
<b>THICKNESS OPTIONS</b>	0.50mm LE (standard) or 0.25mm LE
<b>OUTER MATERIAL</b>	Black Leatherette
<b>SIZING</b>	One size fits all
<b>DIMENSIONS</b>	14.5" L x 6.5" W (base) 5"W (hand)
<b>WEIGHT</b>	2.1 lbs each glove
<b>CUSTOMIZATIONS</b>	None
<b>FEATURES</b>	Sold as a pair
<b>CE</b>	Yes

The Angiographic Lead Glove is mainly used in patient positioning but is also ideal for procedures involving high radiation exposure. The glove is soft, flexible, and can easily be wiped clean.



## ANGIO MITT



<b>MODEL</b>	AP-ANGIOMIT
<b>CORE MATERIALS</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50 (standard), 0.35, 0.25mm LE
<b>SIZING</b>	One size fits all
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>FEATURES</b>	Can be used for left or right hand
<b>COLORS</b>	See fabric colors on pages 34-43
<b>CE</b>	Yes

Our Angio Mitt is part of a wide selection of radiation shielding accessories. The angio mitt is a flexible mitt used to shield the hand, thus reducing exposure under direct x-ray. This mitt can be used on either the right or left hand and is mainly used in positioning.



# SLITT MITT



<b>MODEL</b>	AP-SLITMIT-L/R
<b>CORE MATERIALS</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50 (standard), 0.35, 0.25mm LE
<b>SIZING</b>	One size fits all
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>FEATURES</b>	Must specify left or right hand
<b>COLORS</b>	See fabric colors on pages 34-43
<b>CE</b>	Yes

Our slit mitt is part of a wide selection of radiation shielding accessories. This flexible glove has a lead protective sheet for the top part of your hand and a slit on the bottom to allow for gripping.

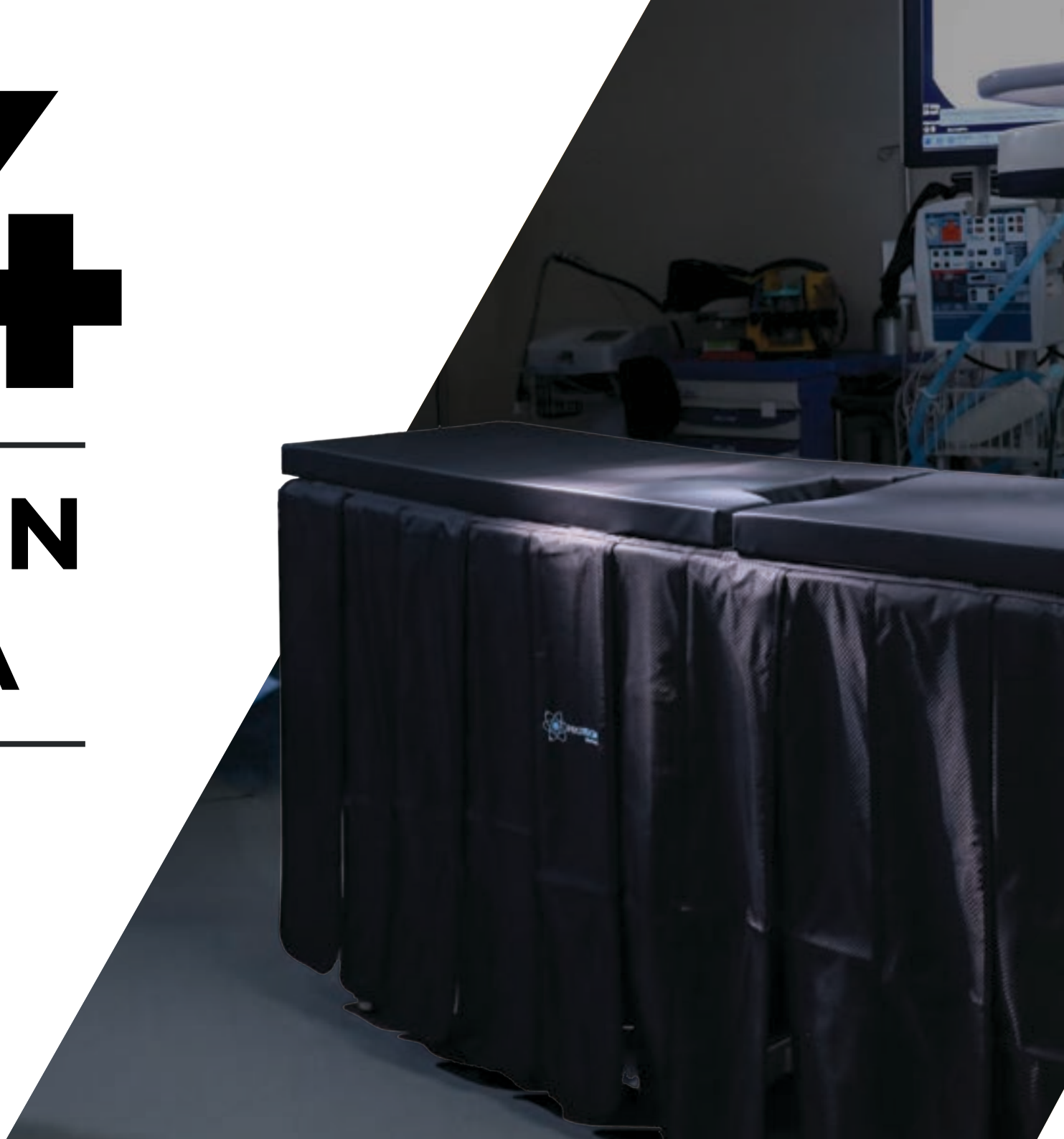


# 04

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**MADE IN  
THE USA**

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# BARRIERS, DRAPES & SHIELDS

Protech manufactures a comprehensive line of radiation protection barriers, windows, shields, and disposable protective drapes designed to support a wide range of clinical and facility needs. From fully custom lead-lined doors and viewing windows to mobile barriers, overhead shields, and table-mounted protection, Protech offers the expertise and product range to deliver effective solutions across many environments.

Reflecting our commitment to quality, most Protech barriers and major components, including acrylic, aluminum, and steel elements, are made in the USA.

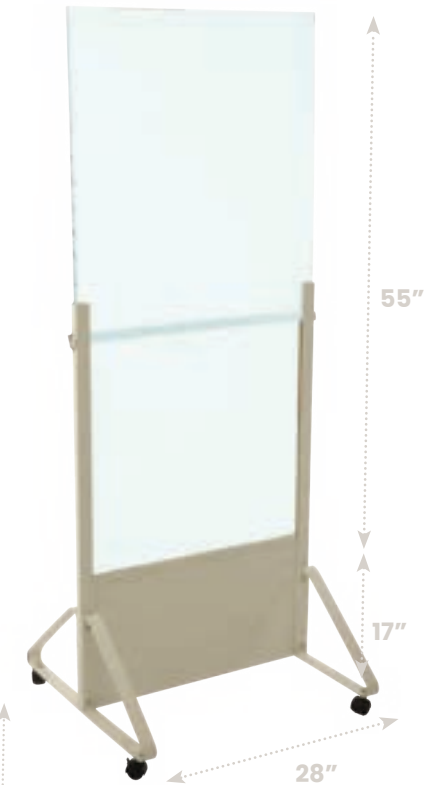
We also offer ScatterGuard, our line of disposable radiation protection products designed to help reduce scatter exposure while supporting a cleaner procedural environment. ScatterGuard includes disposable patient drapes, caps, and thyroid collars.

## FULL ACRYLIC MOBILE BARRIER



<b>MODEL</b>	MB-FULL
<b>COMPOSITION</b>	Lead Acrylic
<b>PROTECTION (ACRYLIC)</b>	0.50mm LE
<b>PROTECTION (BASE)</b>	0.50mm LE (standard)
<b>WINDOW DIMENSIONS</b>	55" H x 28" W
<b>FULL DIMENSIONS</b>	72" H x 28" W
<b>CE</b>	Yes

Diagnostic x-ray procedures frequently require working personnel to remain in the examination room where they are subject to exposure from secondary radiation. The clear leaded acrylic barrier can provide total-body x-ray shielding during extended procedures. Our clear acrylic barrier provides 0.50mm LE protection and rests on an opaque lower panel with an equivalent 0.50mm LE. Smooth-rolling casters give the barrier great mobility. The acrylic lead barrier is shipped unassembled but can be easily assembled using a screwdriver and wrench. For heavy duty radiation protection barriers please see our CORNING lead glass barriers.



## HALF ACRYLIC MOBILE BARRIER



<b>MODEL</b>	MB-HALF
<b>COMPOSITION</b>	Lead Acrylic
<b>PROTECTION (ACRYLIC)</b>	0.50mm LE
<b>PROTECTION (BASE)</b>	0.50mm LE (standard)
<b>WINDOW DIMENSIONS</b>	24" H x 28" W
<b>FULL DIMENSIONS</b>	72" H x 28" W
<b>CE</b>	Yes

Diagnostic x-ray procedures frequently require working personnel to remain in the examination room where they are subject to exposure from secondary radiation. The clear leaded acrylic barrier can provide total-body x-ray shielding during extended procedures. Our clear acrylic barrier provides 0.50mm LE protection and rests on an opaque lower panel with an equivalent 0.50mm LE. Smooth-rolling casters give the barrier great mobility. The acrylic lead barrier is shipped unassembled but can be easily assembled using a screwdriver and wrench. For heavy duty radiation protection barriers please see our CORNING lead glass barriers.



## FULL GLASS MOBILE BARRIER



<b>MODEL</b>	MB-FULL-GL
<b>COMPOSITION</b>	Lead Glass
<b>PROTECTION (GLASS)</b>	2.00mm
<b>PROTECTION (BASE)</b>	0.50mm LE (standard)
<b>WINDOW DIMENSIONS</b>	53" H x 26" W
<b>FULL DIMENSIONS</b>	77" H x 32.5" W x 28.5" D
<b>CE</b>	Yes

Diagnostic x-ray procedures frequently require working personnel to remain in the examination room where they are subject to exposure from secondary radiation. The clear, lead glass barrier can provide total-body x-ray shielding during extended procedures. Our lead glass provides 2.00mm LE protection and rests on an opaque lower panel with an equivalent 0.50mm LE. Medical-grade casters give the barrier great mobility. The glass lead barrier is shipped fully assembled.

77"

53"

PROGUARD

32.5"

## HALF GLASS MOBILE BARRIER



<b>MODEL</b>	MB-HALF-GL
<b>COMPOSITION</b>	Lead Glass
<b>PROTECTION (GLASS)</b>	2.00mm LE
<b>PROTECTION (BASE)</b>	0.50mm LE (standard)
<b>WINDOW DIMENSIONS</b>	22" H x 26" W
<b>FULL DIMENSIONS</b>	77" H x 32.5" W x 28.5" D
<b>CE</b>	Yes

Diagnostic x-ray procedures frequently require working personnel to remain in the examination room where they are subject to exposure from secondary radiation. The clear, lead glass barrier can provide total-body x-ray shielding during extended procedures. Our lead glass provides 2.00mm LE protection and rests on an opaque lower panel with an equivalent 0.50mm LE. Medical-grade casters give the barrier great mobility. The glass lead barrier is shipped fully assembled.

77"

22"

PROGUARD

28.5"

32.5"

## ADJUSTABLE BARRIER



MODEL	MB-ADJ
CORE MATERIAL	All Core Types (see page 30)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
DIMENSIONS	24" W x 48" H
HEIGHT ADJUSTMENT	24" to 48" H
CE	Yes
COLORS	See fabric colors on pages 34-43

Our adjustable mobile radiation barrier provides maximum shielding from x-ray exposure. Ideal for patient & personnel radiation protection our lead shield is easy to maneuver, and much lighter than the full & half acrylic barriers. This enables greater mobility while maintaining a solid construction with high quality, durable wheel casters. You can also customize your barrier with your company's logo or embroidery.

**Hook and loop-lined for improved adjustability!**



## PORTA SHIELD



MODEL	MB-PORTA
CORE MATERIAL	All Core Types (see page 30)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
DIMENSIONS	24" W x 24" H (shield)
HEIGHT ADJUSTMENT	34" - 60" (stand height)
CE	Yes
COLORS	See fabric colors on pages 34-43

The porta shield is a mobile-adjustable lead shield that provides a variety of different adjustable heights blended with a lightweight design. The "H" shaped wheels provide stability and portability. The shield is attached by hook and loop which enables easy removal for cleaning.

**CUSTOM SIZING AVAILABLE**



## GRADUATED PORTA SHIELD



<b>MODEL</b>	MB-PORTA-GRAD
<b>CORE MATERIAL</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50 (standard), 0.35, 0.25mm LE
<b>DIMENSIONS</b>	24" W x 17-36" H (shield)
<b>HEIGHT ADJUSTMENT</b>	34" - 60" (stand height)
<b>CE</b>	Yes
<b>COLORS</b>	See fabric colors on pages 34-43

The graduated porta shield is similar to the porta shield but differentiates itself with its individual lead flaps. The flaps provide excellent versatility and usage. They are attached by hook and loop which enable easy removal for cleaning.



## PROGUARD T2 BARRIER



<b>MODEL</b>	MB-T2
<b>CORE MATERIAL</b>	All Core Types (see page 30)
<b>THICKNESS</b>	1.00mm panels (2.00mm at overlap)
<b>DIMENSIONS</b>	36" W x 21" D x 43-52" H
<b>HEIGHT ADJUSTMENT</b>	43" - 52"
<b>CE</b>	Yes
<b>COLORS</b>	See fabric colors on pages 34-43

The Proguard T2 Mobile Adjustable Barrier features medical grade casters with locking mechanisms for easy maneuverability. The adjustable, aluminum frame is made in the USA. Offering maximum protection, the top and bottom panels are made with 1.00mm lead, giving you 2.00mm protection at overlap. Each panel is attached by hook and loop, allowing for easy removal for cleaning.





## SINGLE-SIDED TABLE DRAPES

<b>MODEL</b>	SEE BELOW
<b>CORE MATERIAL</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50 (standard), 0.35, 0.25mm LE
<b>DIMENSIONS</b>	See below
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>CE</b>	Yes
<b>COLORS</b>	See fabric colors on pages 34-43

Protech's high quality drapes provide protection against scatter radiation for your lower body and are specially designed to not obstruct positioning of the C-arm. The single sided table drape uses Hook and loop strips to adhere to the side of your imaging table. Each panel is 6 inches wide. While table drapes are made standard with Lead core material at 0.50mm LE thickness, we do accommodate custom requests!

Drape Dimensions	# of Panels	Model (SINGLE-SIDED)
22" x 30"	4	TA-TS2230
24" x 24"	4	TA-TS2424
24" x 30"	4	TA-TS2430
24" x 36"	4	TA-TS2436
24" x 42"	4	TA-TS2442
30" x 24"	5	TA-TS3024
30" x 30"	5	TA-TS3030
30" x 36"	5	TA-TS3036
30" x 42"	5	TA-TS3042
36" x 24"	6	TA-TS3624
36" x 28"	6	TA-TS3628
36" x 30"	6	TA-TS3630
36" x 36"	6	TA-TS3636
36" x 42"	6	TA-TS3642
48" x 24"	8	TA-TS4824
48" x 28"	8	TA-TS4828
48" x 30"	8	TA-TS4830
48" x 32"	8	TA-TS4832
48" x 36"	8	TA-TS4836
48" x 42"	8	TA-TS4842





## DOUBLE-SIDED TABLE DRAPES

<b>MODEL</b>	SEE BELOW
<b>CORE MATERIAL</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50 (standard), 0.35, 0.25mm LE
<b>DIMENSIONS</b>	See below
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>CE</b>	Yes
<b>COLORS</b>	See fabric colors on pages 34-43

Protech's high quality drapes provide protection against scatter radiation for your lower body and are specially designed to not obstruct positioning of the C-arm. The double-sided drape features a saddlebag design for a secure fit to any style imaging table. Each panel is 6 inches wide. While table drapes are made standard with Lead core material at 0.50mm LE thickness, we do accommodate custom requests!

Drape Dimensions	# of Panels (ea. side)	Model (DOUBLE-SIDED)
24" x 24"	4	TA-TD2424
24" x 30"	4	TA-TD2430
24" x 36"	4	TA-TD2436
24" x 42"	4	TA-TD2442
30" x 24"	5	TA-TD3024
30" x 30"	5	TA-TD3030
30" x 36"	5	TA-TD3036
30" x 42"	5	TA-TD3042
36" x 24"	6	TA-TD3624
36" x 28"	6	TA-TD3628
36" x 30"	6	TA-TD3630
36" x 36"	6	TA-TD3636
36" x 42"	6	TA-TD3642
48" x 24"	8	TA-TD4824
48" x 28"	8	TA-TD4828
48" x 30"	8	TA-TD4830
48" x 32"	8	TA-TD4832
48" x 36"	8	TA-TD4836
48" x 42"	8	TA-TD4842



## LEAD BLANKET



<b>MODEL</b>	SEE BELOW
<b>CORE MATERIAL</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50 (standard), 0.35, 0.25mm LE
<b>DIMENSIONS</b>	See below
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>CE</b>	Yes
<b>COLORS</b>	See fabric colors on pages 34-43

Lead blankets are used for a variety of procedures. We offer 4 standard sizes, but we can easily accommodate any custom size request.

Dimensions	Model
18" x 24"	BL-1824
24" x 24"	BL-2424
24" x 36"	BL-2436
24" x 42"	BL-2442



## ANESTHESIA FRONT PANEL



<b>MODEL</b>	SEE BELOW
<b>CORE MATERIAL</b>	All Core Types (see page 30)
<b>THICKNESS</b>	0.50 (standard), 0.35, 0.25mm LE
<b>DIMENSIONS</b>	See below
<b>CUSTOMIZATIONS</b>	Embroidery and Logo
<b>CE</b>	Yes
<b>COLORS</b>	See fabric colors on pages 34-43

The anesthesia panel, unlike other table drapes, is a solid panel designed to fit any style imaging table by the head or feet of the patient. Secured via hook and loop closures, it provides protection against scatter radiation for your lower body and is designed to not obstruct positioning of the C-arm.

Dimensions	Model
22" x 24"	TS-FP-2224
22" x 26"	TS-FP-2226
22" x 28"	TS-FP-2228
22" x 32"	TS-FP-2232
22" x 36"	TS-FP-2236
24" x 24"	TS-FP-2424
24" x 36"	TS-FP-2436



## OVERHEAD BARRIER SQUARED



<b>MODEL</b>	MB-MOB-01
<b>MATERIAL</b>	Acrylic
<b>PROTECTION</b>	0.50mm LE (standard)
<b>WINDOW SIZE</b>	31.5" L x 23.6" W x 0.5" H
<b>CURTAIN SIZE</b>	N/A
<b>CE</b>	Yes
<b>SPECIAL</b>	Square Arm

Our unique line of mobile overhead barriers provide flexibility and versatility for a variety of procedures. Made from high quality steel and acrylic, our specialty mobile barriers roll on premium casters. Protech's specialty mobile acrylic barriers possess high quality suspension for proper swivel motion. A well engineered configuration allows for lightweight movement, enhanced stability and a small foot-print.

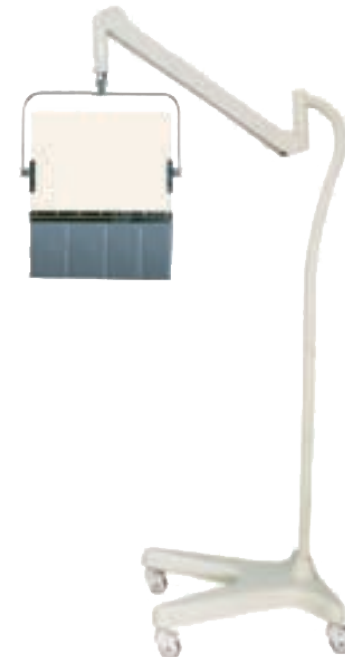


## OVERHEAD BARRIER SQUARED W/ CURTAIN



<b>MODEL</b>	MB-MOB-02
<b>MATERIAL</b>	Acrylic
<b>PROTECTION</b>	0.50mm LE (standard)
<b>WINDOW SIZE</b>	15.75" L x 23.6" W x 0.5" H
<b>CURTAIN SIZE</b>	13.78" L x 23.6" W
<b>CE</b>	Yes
<b>SPECIAL</b>	Square Arm

Our unique line of mobile overhead barriers provide flexibility and versatility for a variety of procedures. Made from high quality steel and acrylic, our specialty mobile barriers roll on premium casters. Protech's specialty mobile acrylic barriers possess high quality suspension for proper swivel motion. A well engineered configuration allows for lightweight movement, enhanced stability and a small foot-print.



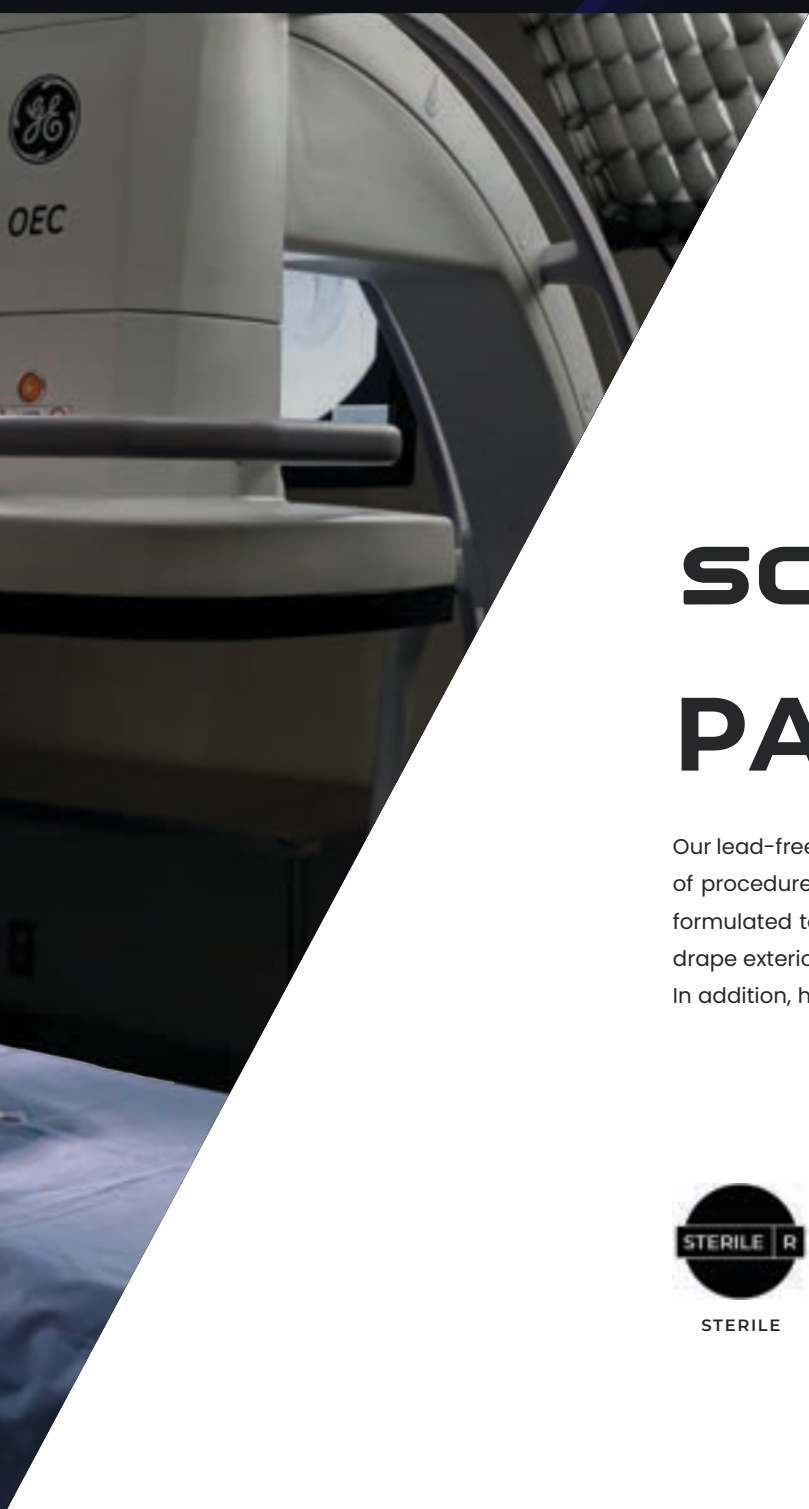
# 05

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ScatterGuard Disposable Patient Drapes protect surgeons and technicians from the harmful effects of scatter radiation during surgical procedures **without any added weight.**

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# SCATTERGUARD *ActiV* PATIENT DRAPES

Our lead-free, latex-free drapes are uniquely designed to provide tailored coverage for a variety of procedures. Scatterguard drapes are made from our Prolite core material which is specially formulated to provide over 20% more protection at higher exposures than the competition. The drape exterior features our highly-absorbant ActiV material with a plastic, laminated inner layer. In addition, high quality 3M adhesive ensures secure positioning of the drape.



STERILE



ABSORBANT



LATEX FREE



ECO-FRIENDLY



DISPOSABLE



3M ADHESIVE



# DISPOSABLE SCATTER RADIATION DRAPES

## WHAT IS SCATTER RADIATION?

### SCATTER VERSUS DIRECT BEAM RADIATION

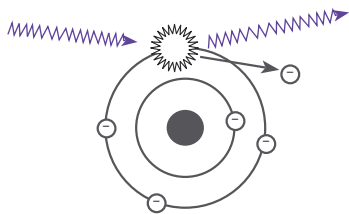
Image intensifiers have enabled surgeons to become technically more proficient and decrease the morbidity of the patient by minimizing area of operative field and decreasing operative time. Some over-use fluoroscopy, forgetting the principles of radiation protection, while others under-use it due to unfounded fears. In general, surgeons lack awareness about the radiation exposure they are getting and its effects on health.

#### Scatter Radiation

These X-ray photons remove an outer shell electron from its orbit, thereby ionizing the atom. Low energy radiation interacts with body tissue then scatters in different directions.

#### LOW ENERGY - SCATTERED

Compton Effect

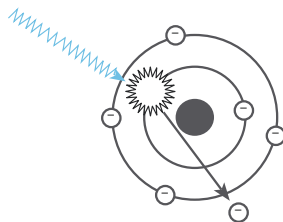


#### Direct Beam Radiation

These X-ray photons carry enough energy to eject an inner shell electron from its orbit. The High energy radiation penetrates and passes through the patient for imaging.

#### HIGH ENERGY - ABSORBED

Photoelectric Effect



# DISPOSABLE SCATTER RADIATION DRAPES

## THE DANGERS OF SCATTER



During procedures requiring fluoroscopy, direct beam radiation contacts a patient and “scatters” towards the surgeon and other personnel. This means surgeons and assistants are at maximum risk due to proximity to exposure area. **“The scattered radiation from the patient comprises the main source of radiation dose to staff.”** [1]

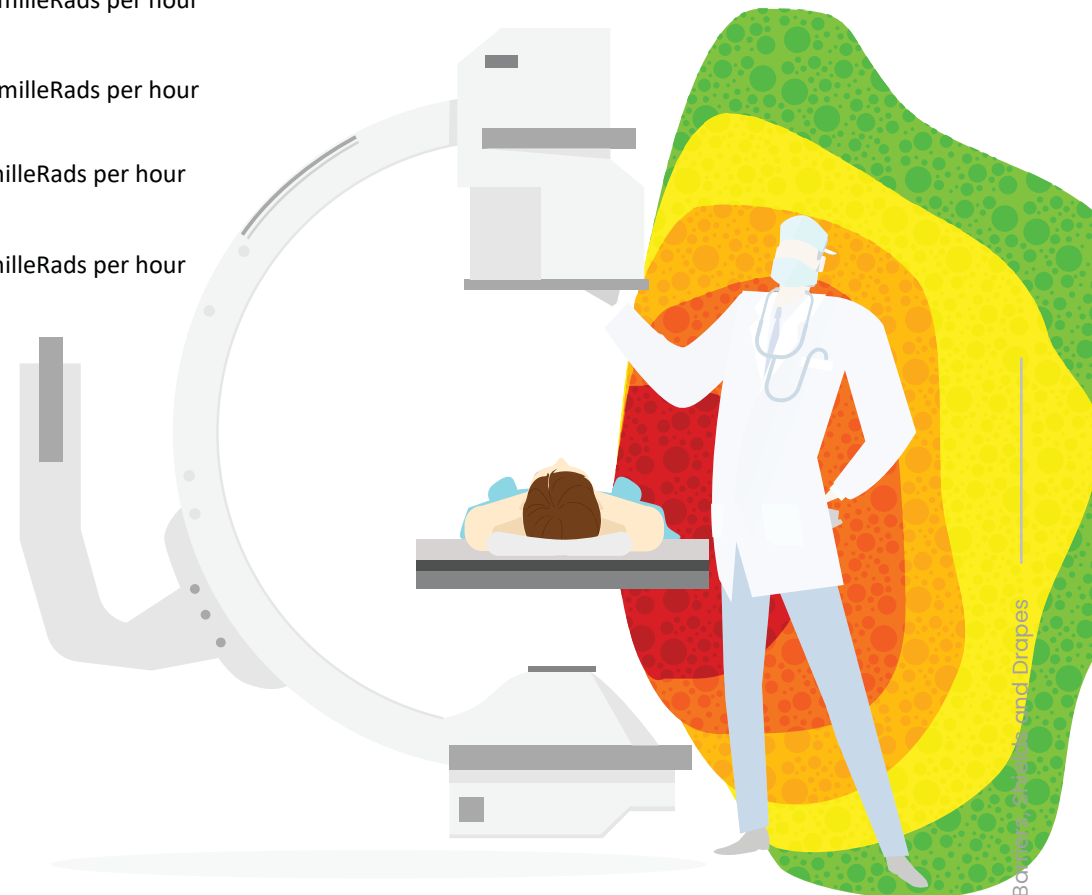
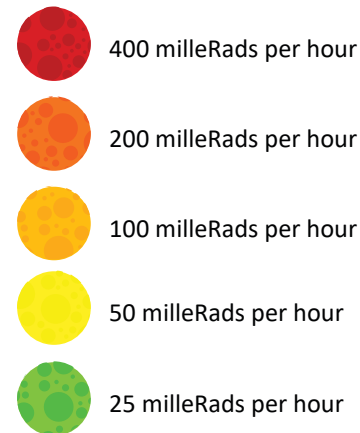
According to the National & International Conferences on Radiation Protection (ICRP & NCRP), “Lens/Eye Dose should be limited to 15 RADs per year.” Based on an average Lens/Eye Dose of 62 milleRads per hour and an average of 576 hours of Fluoroscopy per year some clinicians are receiving doses of 35.7 RADs per year. In a 30 year career this amounts to 1,071 RADs, if the operator is standing upright; far more if crouched or seated (about 5,184 RADs).

**The energy absorbed from ionizing radiation can cause cataracts, tumors, skin dermatitis, hair loss and germ cell mutations. In fact, “Cataracts occur with cumulative dose between 200 to 500 RADs.”** [2].

[1] – International Atomic Energy Agency

[2] – National & International Conferences on Radiation Protection

[3] – Drs. Dauer & Thornton, Memorial Sloan Kettering Medical Center, Society of Interventional Radiology 2009







# DISPOSABLE SCATTER RADIATION DRAPES

## DRAPES: A CONVENIENT SOLUTION

Scatterguard Patient Drapes are up to 99% effective at stopping scatter radiation at the source, without any added weight to medical personnel.

A SIR published study concluded "...leaded glasses and scatter-draping drapes substantially reduced lens dose by factors of 9.5 and 12 respectively. Maximal eye draping was achieved by the use of both leaded glasses and scatter-draping drapes." [3]

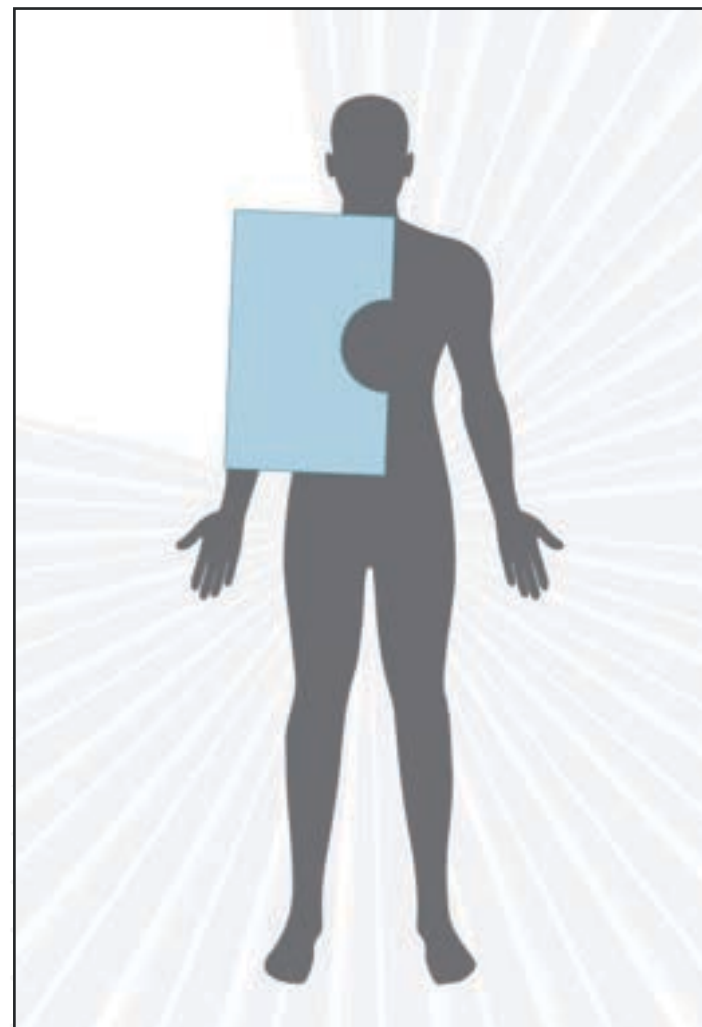
### PROTECTION PROPERTIES

Lead Equivalence	0.060mm	0.125mm	0.25mm*	0.375mm
Attenuation at 90kVp	50%	75%	90%	95%+

\*Certified to ASTM 2547-18 and IEC 61331-1:2014 Standards [CE 2895]

### ABSORBANCY

Fabric Type	Weight	Absorbancy Rate (sec/ml)	Absorbant Capacity
Leading Competitor 1	109 gsm	1.9 sec/ml	526%
Leading Competitor 2	130 gsm	2.5 sec/ml	600%
<b>ActiV Absorbant</b>	<b>120 gsm</b>	<b>1.2 sec/ml</b>	<b>620%</b>





# DISPOSABLE SCATTER RADIATION DRAPES

## SCATTERGUARD DRAPE MODELS

1

Angiography Drape



2

Biliary Split Drape



3

Dialysis Drape



4

EP Left Subclavian Drape



5

EP Drape - Large



6

EP Drape - Small



7

Jugular Access/TIPS Drape



8

Multipurpose Drape



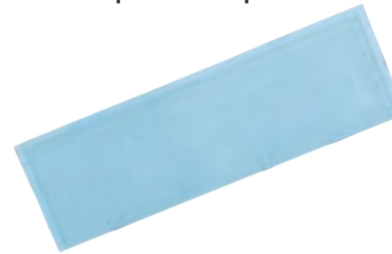
9

Multipurpose Drape with Fenestration



10

Peripheral Drape



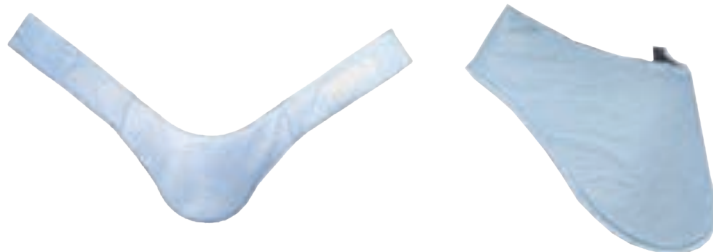
11

Disposable Smart Cap



12

Disposable Thyroid Collar



# DISPOSABLE SCATTER RADIATION DRAPES

## SCATTERGUARD DRAPE MODELS



Model	Description	Fenestration	Dimensions	Procedures
<b>1</b> SG-AD-060/125/250/375	Angiography Drape	2" Circle	14.5" x 16.5"	Angiography, Coronary Catheterization, UFE, Pelvic Surgery and TACE
<b>2</b> SG-BD-125/250/375	Biliary Split Drape	5" Slit	14.5" x 16.5"	Transjugular intraheptic portosystematic shunt (TIPS)
<b>3</b> SG-DSD-125/250/375	Dialysis Drape	4.5" x 9" Rectangle	32" x 50"	Dialysis access and declotting, Fistulagram
<b>4</b> SG-EPD-125/250/375	EP Left Subclavian Drape	3.25" x 2.25" Scoop	13.5" x 17.5"	Bi-ventricular pacemaker implants, Bi-ventricular pacing & ICS procedures
<b>5</b> SG-EPDC-LG-250	EP Drape - Large	5.75" x 3" Scoop	16" x 16"	Bi-ventricular pacemaker implants, Bi-ventricular pacing and ICS procedures
<b>6</b> SG-EPDC-SM-250	EP Drape - Small	5.75" x 3" Scoop	11" x 16"	Bi-ventricular pacemaker implants, Bi-ventricular pacing and ICS procedures
<b>7</b> SG-JUG-125/250/375	Jugular Access/ TIPS Drape	5" Slit	13.5" x 17.5"	Transjugular intraheptic portosystematic shunt (TIPS)
<b>8</b> SG-MPD-060/125/250/375	Multipurpose Drape	None	13.5" x 17.5"	Needle Biopsy or Puncture procedures
<b>9</b> SG-MPDF-060/125/250/375	Multipurpose Drape w/ Fenestration	3.5" x 2" Rectangle	13.5" x 17.5"	Needle Biopsy or Puncture procedures
<b>10</b> SG-PPD-125/250/375	Peripheral Drape	None	12" x 35"	Peripheral procedures w/ access through the femoral artery
<b>11</b> SG-DCAP-060/125/250/500	Disposable Smart Cap	N/A	SM, MD, LG	Any procedure involving fluoroscopy
<b>12</b> SG-DTHY-125/250/500	Disposable Thyroid Collars	N/A	Regular, Large	Any procedure involving fluoroscopy



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