

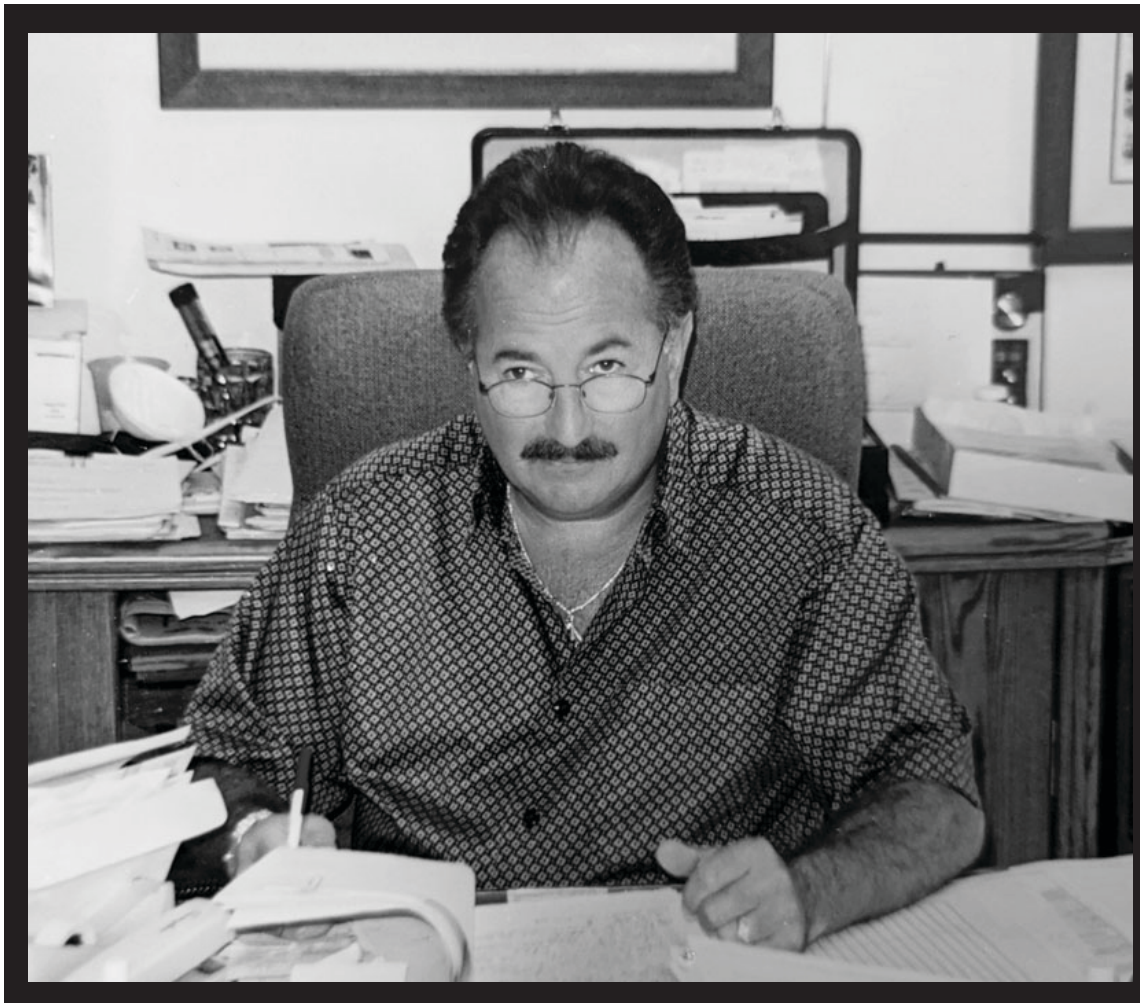
RADIATION SAFETY

# PRODUCT CATALOG

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PROTECH  
MEDICAL





IN LOVING MEMORY

# RON PARASMO

Sept. 1, 1953 - Jan. 22, 2022

We are deeply saddened by the passing of Protech's founder, Ron Parasmo. While reminding us not to take life too seriously, he inspired us through his generosity, passion and gifts of laughter. He will be greatly missed.



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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 protective apparel in South Florida. We continue to innovate stylish and light-weight products all while maintaining our commitment to quality. Protech's customer-driven focus is backed by a comprehensive product portfolio and world-class customer service.

Thanks to your support, this small family business has become a global leader in radiation safety.

Our Italian heritage means one thing: it doesn't matter if you were born into our family, your support is all that matters. When you wear our product, you support many Protech families just like yours.

Together, we are family.

## 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 **1986**, WITH RON AND LEADED EYEWEAR.

In 1986, Ronald Parasmó, a licensed optician in the state of Florida, was approached with an unusual request to repair leaded eyewear. The glasses belonged to a doctor and were used as protection against ionizing radiation. Ron quickly found the required materials to fix the eyewear and the gentleman who sent Ron the eyewear was so impressed with the quality of his work that he began referring additional jobs.

As repairs on lead glasses grew, Ron launched his own line of radiation protective eyewear and in 1994, Protech Leaded Eyewear was incorporated. In 1997, Protech developed one of the most popular gloves on the market today; the FDA 510k approved ProGuard radiation reducing gloves for fluoroscopic procedures.

In the early 2000s, with the success of gloves and eyewear inspiring further growth, Protech set out on a mission to become the one-stop-shop for radiation protection apparel by introducing its own line of high quality, light weight aprons. Through the efforts of many great employees, the apron business took root and Protech completed its transition from market disruptor to a mature, full-scale radiation apparel manufacturer.

In 2014, Ron's son Jarrod joined Protech's team to modernize and revitalize the business with the introduction of new products and technologies. Joining Jarrod in 2016 was his longtime partner, Rachael. Together, Rachael and Jarrod have continued Protech's proud tradition of innovation and expanded the Protech family into over 50 countries.

Today, Protech is one of the most recognized manufacturers of radiation safety products in the world; known for its quality, service, and integrity.



# WHY?

Intellitrack's apron inventory tracking software empowers inspection personnel with flexible tools to manage the diverse challenges of inspection time. Protech spent 2 years with hospital inspection teams to tailor a software that will save you time and money whether you are looking to improve your inspection process or simply want to manage your apron inventory more effectively. Your radiation protective apparel will be managed from the minute your order is placed to the moment you need to replace or reorder. Experience true support from beginning to end with Intellitrack.

**Oh, did we mention Intellitrack is free for one year with no setup fees? Yeah.**



## MULTI-FACILITY ADMIN MANAGER

Intellitrack's distinctive admin management system empowers you to scale and manage numerous hospital facilities, departments, and users together with 1 simple login.



## GROUP INSPECTION AND EDITING

Simplify inventory and inspection management with IntelliTrack's group editing features which allow you to record inspection results for large groups of aprons at one time.



## RFID TECHNOLOGY FOR RANGED SCANS

Easily scan and access your apron's information from a distance (even through a locker). Group scan up to 30 stacked aprons with no limits on consecutive scans.



## INVENTORY MANAGEMENT

Keep track of all your radiation safety apparel (whether we made them or not) in one convenient location. Intellitrack streamlines data entry and improves reporting accuracy.



## ADVANCED REPORTS

Generate custom reports for you and The Joint Commission. Can't find the report you're looking for? Our support team will gladly create it for you.



## ACCESSIBLE FROM ANY DEVICE

Intellitrack is a cloud-based solution that puts you in the driver's seat. As long as you have internet and a device (phone, computer, tablet etc), you have access to Intellitrack.

# 01

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Lead Garments are worn by healthcare professionals to protect them from the harmful effects of x-ray radiation during medical & other procedures requiring the use of x-ray or fluoroscopy. Lead aprons are usually worn in combination with other products to provide complete protection from x-ray.

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# APRONS

## QUALITY. SERVICE. INTEGRITY.

Protech's aprons are proudly hand-stitched in the USA with one collective mission: perfection. Our light-weight designs and ergonomic styles are the result of decades of manufacturing experience. Seamless finishes, clean stitching, and elegant curves are what make our aprons best-in-industry.

Fulfilling our commitment to high quality, our Proguard Aprons are made in the USA from locally sourced materials whenever possible. Protech follows the strict guidelines of the ISO Quality Management System and is approved to sell in major markets throughout the world.

# APRON ORDERING GUIDE

## 1 STEP 1: CHOOSE YOUR APRON STYLE

*We offer two types of aprons: Frontal and Full Protection.*

As their names suggest, a Frontal apron only protects the front of your body, while a Full Protection apron offers both front, lateral, and back protection.

For a **lighter weight apron**, choose a Frontal style. Our most popular frontal apron is the Flexback apron but you can view all of our styles beginning on page 29.

For **greater protection**, choose a Full Protection apron. We recommend the Proguard Balance Vest and Skirt, which offers a balance of protection and comfort.

Other important factors that should be considered in choosing your apron style: types of surgery, duration, body type and personal needs.

*Frontal Protection Style Example  
Flexback Apron*



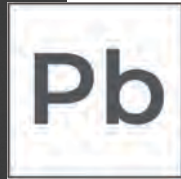
*Full Protection Style Example  
Vest Skirt Apron*



# 2

## STEP 2: CHOOSE YOUR CORE MATERIAL

Each core material varies in composition, weight and level of protection. Available Core Materials are listed below. For a more in-depth look, please refer to our core materials section



### STANDARD LEAD

- **Features:** Affordable & Highly Protective
- **Composition:** Lead
- **Certifications:** ASTM & IEC Certified



### PREMIER

- **Features:** Highly Flexible, 24% lighter than lead
- **Composition:** Bismuth and/or Rare Earths
- **Certifications:** ASTM Certified



### PROLITE

- **Features:** Highly Flexible, 16% lighter than lead
- **Composition:** Cerium and/or Rare Earths
- **Certifications:** ASTM & IEC Certified



### NANO

- **Features:** Ultra Flexible, 33% lighter than lead
- **Composition:** Tungsten and/or Rare Earths
- **Certifications:** ASTM Certified

# 3

## STEP 3: CHOOSE YOUR CORE MATERIAL THICKNESS

Higher thicknesses result in more protection but also increase weight. **Protech's standard thickness options are 0.25mm, 0.35mm, and 0.50mm LE with .50mm\* and .35mm\* LE being the most popular options.** We offer additional options upon request such as .75mm, 1.00mm, etc.

Standard thicknesses in the front (frontal aprons, vest, skirts, one-piece wraparounds) are 0.50mm LE, and standard back protection thicknesses (vest, skirt, one-piece wraparounds) are 0.25mm LE. Standard thicknesses for other accessory styles may vary.

\*Please be advised that some state or country requirements may be specific about what thicknesses are permitted.

4

## STEP 4: CHOOSE YOUR FABRIC COLORS

You will need to choose colors for the exterior, interior and binding thread of your apron. Need a fabric that performs? Consider our anti-microbial, Satinguard fabrics for an easy-to-clean option. You can view our fabric color options on pages 64-69.

*If you have your own fabric that you'd like to use, we can accommodate! Just take a look at this Louis Vuitton apron; a special request by one of our customers.*



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## STEP 5: CHOOSE CUSTOMIZATIONS

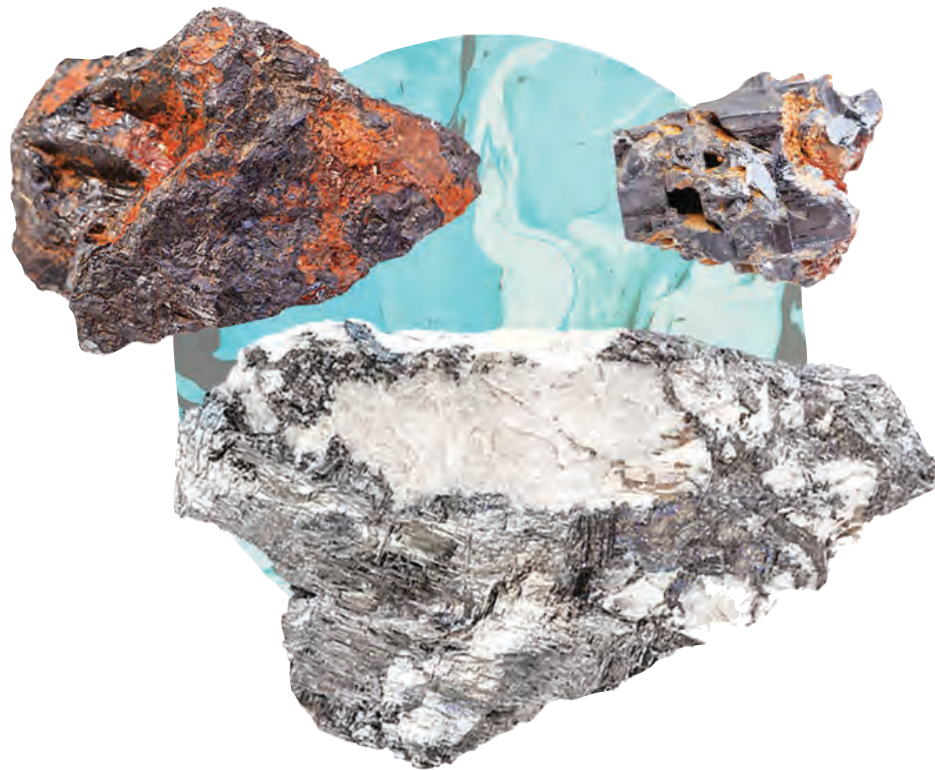
Depending on your apron style, you'll have a variety of customization options to choose from. Some examples: Embroidery, axillary wings, logos, extra pockets, etc.

**Please note:** Essentials aprons are only available in standard sizes and cannot be customized. If you need a made-to-measure Vest Skirt or Wraparound apron, please select the Balance configuration.

# CORE MATERIALS

## K-EDGE TECHNOLOGY

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Knowing what's inside your apron is as important as how that apron claims to protect you.

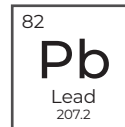
Each Proguard core material is carefully formulated to more efficiently attenuate portions of the photon spectrum and limit “gaps” in protection due to over-reliance on individual x-ray protective elements. Protech utilizes proper elemental balance to address k-edge concerns for key diagnostic imaging ranges. Protech’s advanced elastomers exhibit the best balance of toughness, flexibility, durability and cracking resistance.

- **Antimony/barium provide more efficient attenuation of the photon spectrum below the K-edge window of lead ( 35 - 88 keV)**
- **Higher Z elements, tungsten, bismuth and lead are more efficient for stopping higher energy radiation (>9/88 keV), and also cover the K-edge fluorescence window of antimony ( < 35 keV).**



## STANDARD LEAD

- **Weight:** 3400 gsm (0.25mm)
- **Composition:** Lead Plasticizers
- **Certifications:** ASTM & IEC Certified



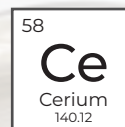
AVERAGE LEAD APRON WEIGHTS 0.50MM LE (LBS)

|                 | Frontal | Vest & Skirt | Wraparound |
|-----------------|---------|--------------|------------|
| <b>X-Small</b>  | 7.17    | 11.16        | 12.44      |
| <b>Small</b>    | 7.68    | 12.74        | 14.40      |
| <b>Medium</b>   | 8.63    | 14.75        | 15.95      |
| <b>Large</b>    | 10.35   | 17.96        | 17.52      |
| <b>X-Large</b>  | 11.74   | 19.56        | 19.08      |
| <b>2X-Large</b> | 12.28   | 21.46        | 22.00      |
| <b>3X-Large</b> | 14.21   | 23.84        | -          |



## PROLITE

- **Weight:** 2850 gsm (0.25mm) 16% lighter than lead
- **Composition:** Cerium and/or Rare earths, Plasticizers
- **Certifications:** ASTM & IEC Certified



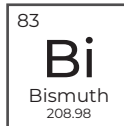
AVERAGE PROLITE APRON WEIGHTS 0.50MM LE (LBS)

|                 | Frontal | Vest & Skirt | Wraparound |
|-----------------|---------|--------------|------------|
| <b>X-Small</b>  | 5.95    | 9.32         | 10.33      |
| <b>Small</b>    | 6.37    | 10.64        | 11.95      |
| <b>Medium</b>   | 7.16    | 12.32        | 13.23      |
| <b>Large</b>    | 8.59    | 15.00        | 14.54      |
| <b>X-Large</b>  | 9.74    | 16.33        | 15.84      |
| <b>2X-Large</b> | 10.20   | 17.92        | 18.26      |
| <b>3X-Large</b> | 11.79   | 19.91        | -          |



## PREMIER

- **Weight:** 2600 gsm (0.25mm), 23% lighter than lead
- **Composition:** Bismuth and/or Rare earths, Plasticizers
- **Certifications:** ASTM Certified



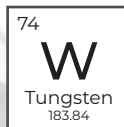
AVERAGE PREMIER APRON WEIGHTS 0.50MM LE (LBS)

|                 | Frontal | Vest & Skirt | Wraparound |
|-----------------|---------|--------------|------------|
| <b>X-Small</b>  | 5.59    | 8.54         | 9.70       |
| <b>Small</b>    | 5.99    | 9.75         | 11.23      |
| <b>Medium</b>   | 6.73    | 11.29        | 12.44      |
| <b>Large</b>    | 8.07    | 13.74        | 13.67      |
| <b>X-Large</b>  | 9.16    | 14.96        | 14.89      |
| <b>2X-Large</b> | 9.58    | 16.42        | 17.16      |
| <b>3X-Large</b> | 11.08   | 18.24        | -          |



## NANO

- **Weight:** 2300 gsm (0.25mm), 32% lighter than lead
- **Composition:** Tungsten and/or Rare earths, Plasticizers
- **Certifications:** ASTM Certified



AVERAGE NANO APRON WEIGHTS 0.50MM LE (LBS)

|                 | Frontal | Vest & Skirt | Wraparound |
|-----------------|---------|--------------|------------|
| <b>X-Small</b>  | 4.87    | 7.53         | 8.46       |
| <b>Small</b>    | 5.22    | 8.60         | 9.79       |
| <b>Medium</b>   | 5.87    | 9.96         | 10.84      |
| <b>Large</b>    | 7.04    | 12.12        | 11.91      |
| <b>X-Large</b>  | 7.98    | 13.20        | 12.98      |
| <b>2X-Large</b> | 8.35    | 14.48        | 14.96      |
| <b>3X-Large</b> | 9.66    | 16.09        | -          |

# TAKING CARE OF YOUR APRON

## DO'S

Clean most dirt and stains (blood, bodily fluids, barium contrast media) using designated apron cleaning solutions or mild household soaps in diluted form. To apply cleaning fluid, please use a cloth or wipe and use room temperature water.

## DONT'S

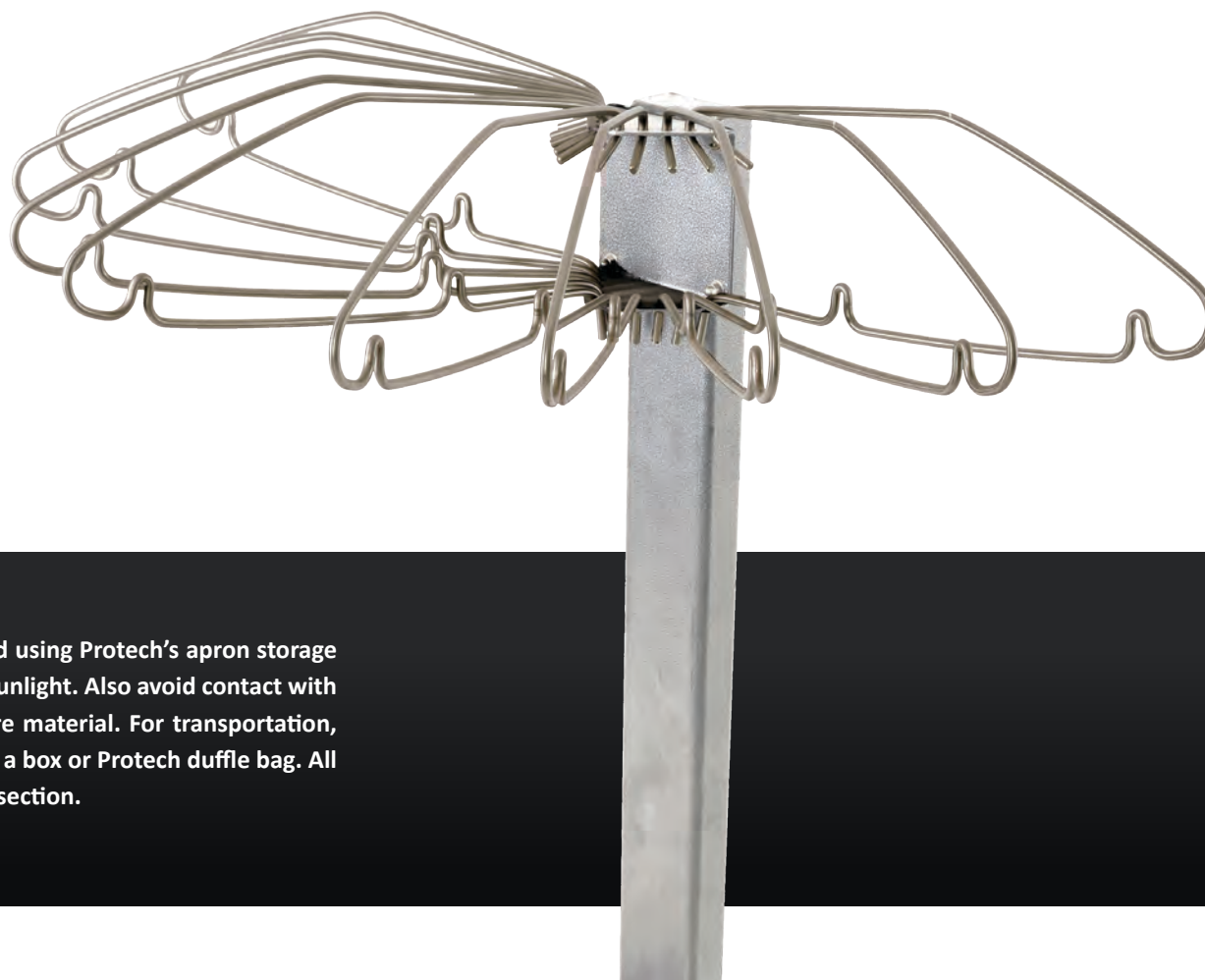
While it is possible, we DO NOT recommend you machine wash or dry your apron. Do not use hot or warm water. Do not iron or autoclave.

## STORAGE

When not in use, garments should be placed on a hanger or stored using Protech's apron storage equipment. Avoid contact with hot surfaces or exposure to direct sunlight. Also avoid contact with sharp objects, as these may damage the garment's protective core material. For transportation, garments should be carefully rolled up, not folded, and placed into a box or Protech duffle bag. All of our apron storage options can be found at the end of the apron section.

## LEAD DISPOSAL & RECYCLING

Aprons containing lead can be extremely hazardous to the environment and must be disposed of properly. Protech provides an in-house replacement service for this very occasion. Our disposal service is free with the purchase of any new apron! Simply call us or your local representative.





# 2 YEAR WARRANTY

Protech's high quality garments ("Garments", aka PPE or Aprons) include; aprons, thyroid collars, gloves, dental aprons, reproductive aprons, and lead accessories. The Garments are warranted to be free of defects in materials and workmanship to the original purchaser for 2 years.

Upon evaluation, Protech will either repair or replace the defective item or part without charge to the purchaser. This warranty is void when the product has been tampered with, when repairs or attempted repairs have been made by unauthorized persons, or when the item has been subject to misuse, abuse or damage in transit. No charges will be accepted or reimbursed for unauthorized parts, repairs or services.

Please contact your local representative for return instructions. All returns, repairs, or exchanges, regardless of reason, must be accompanied by an authorized RMA. Customer should make available the Purchase Order # or relevant sales information.



# COMPLIANCE

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

**EN 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.



# MANUFACTURER

## 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  
EU 2016/425, MODULE D, B

# APOLLO

## QUICKSHIP APRONS

The Apollo Quickship line offers high quality, radiation safety apparel **ready to ship within 24 hours**. All Apollo aprons are made with our easy-to-clean, Satinguard antimicrobial fabrics on both the apron's exterior and interior. It also comes with a matching, velcro thyroid collar secured via buckle attachment.

**Apollo Quickship aprons are available in the following standard sizes:**

|              | Small | Medium | Large | XL    |
|--------------|-------|--------|-------|-------|
| Height       | 5'4"  | 5'8"   | 5'11" | 6'2"+ |
| Chest        | 42"   | 45"    | 48"   | 53"   |
| Waist        | 34    | 38     | 42    | 46    |
| Hips         | 36    | 40     | 44    | 48    |
| Front Length | 34    | 37     | 40.5  | 42.5  |
| Front Width  | 21    | 22     | 24    | 26    |
| Vest Length  | 22    | 24     | 25    | 25    |
| Skirt Length | 20    | 20     | 21    | 21    |





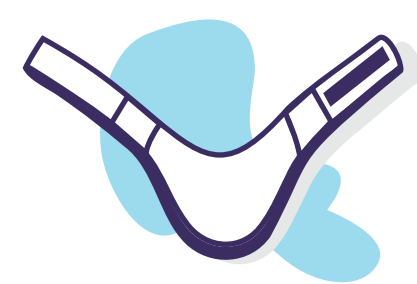
### READY TO SHIP IN 24 HOURS

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



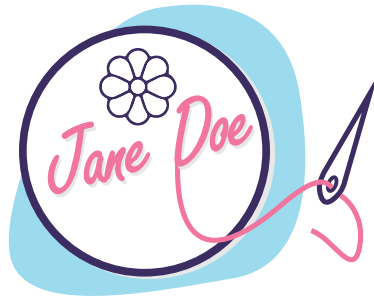
### ANTIMICROBIAL FABRICS

Apollo aprons are made from our premium, easy-to-clean, antimicrobial Satinguard performance fabric.



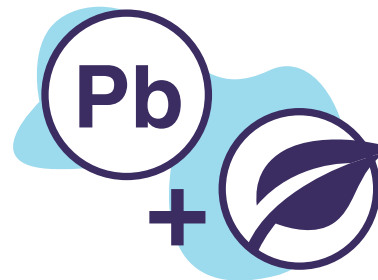
### THYROID COLLAR INCLUDED

Because having a matching thyroid collar to go with your apron is almost as important as protecting your thyroid.



### CUSTOM NAME TAG

Want to personalize your apron? A clear, vinyl sleeve on the apron shoulder holds an embroidered name tag.



### 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.

**NOTE:** To ensure you get your apron as quickly as possible, Apollo aprons are not available in “made-to-measure” sizing or other customizations (with the exception of a name tag).



## FLEXBACK APRON

MODEL: APO-FB

**0.50mm LE Protection in the Front  
Lead, Velcro Thyroid collar included  
Available in Prolite and Lead**

**Features: Elastic Back, Extra Shoulder Padding, Pocket**

**Sizes: S, M, L, XL, 2XL**



## VEST SKIRT APRON

MODEL: APO-VS

**0.50mm LE Protection in the front  
0.25mm LE Protection in the back  
Lead, Velcro Thyroid collar included  
Available in Prolite and Lead**

**Features: Buckle sets, Extra Shoulder Padding, Pocket**

**Sizes: S, M, L, XL**



## DENTAL APRON

MODEL: APO-DA

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**0.30mm LE Protection in the front**  
**Thyroid collar included**  
**Available in Lead**  
**Features: Extra Shoulder Padding**  
**Sizes: Adult (28" W x 31" L)**



## THYROID COLLAR

MODEL: APO-TCS

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**0.50mm LE Protection**  
**Available in Velcro or Magnetic Closure**  
**Available in Lead**  
**Sizes: S, M, L, XL**

# #1 IN CUSTOM APRONS

Protech specializes in tailor-made aprons. You can choose from over 100 colors for your apron's exterior color, interior color, and binding. When you're finished, you can add embroidery, logos and other add-ons for a truly customized experience.

Hand-crafted and made with patented polymer technology, our Proguard Aprons are more light-weight, flexible and durable than the competition.



# PROGUARD



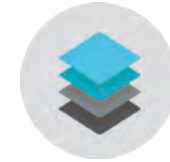


# PROGUARD



## A COMMITMENT TO QUALITY

With full time quality control staff and ISO certification, you are getting the best in American made protective apparel.



## ULTRA-FLEXIBLE CORE MATERIALS

Proguard's Core materials feature more flexibility and durability which provides superior, long lasting comfort.



## ECO-FRIENDLY LEAD FREE

Proguard lead free core materials are recyclable and non-toxic.



## LUXRAY PATTERNS

LuXRay offers patterned accents on the apron's sides and shoulders combined with an optional matching design on your thyroid collar.



## IN-HOUSE EMBROIDERY & LOGOS

Don't let your apron "disappear." Our embroidery and logos are done in-house with modern monogram machines and the latest in digitization technology.



## NON-SLIP FABRIC ON SKIRT INTERIOR

Included for free, our premium non-slip fabric improves the fit of your skirt by reducing sliding and shifting.

# CUSTOMIZATION OPTIONS



## BACK STRAP

The Velcro backstrap keeps your apron shoulders secured and prevents slippage.



## ELASTIC BACK

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



## BACK MESH

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



## NON-SLIP FABRIC

A high friction, anti-slip fabric that is added to the back interior of your skirt or other key areas depending on style selection which reduces slippage and improves fit.





# CUSTOMIZATIONS: COMFORT OPTIONS

When it comes to designing your perfect custom apron, Protech is #1. Our great selection of apron add-ons can increase your protection and improve comfort. We offer 3 types of apron customizations: Comfort, Protection and Design addons. Each customization is clearly defined to ensure you make the right choices for you.



## APRON SUSPENDERS

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



## SURGICAL DROP SHOULDERS

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



# CUSTOMIZATIONS: DESIGN OPTIONS



## LOGO AND EMBROIDERY

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Personalize your apron by placing your name or logo anywhere! Common locations include the pocket, just above the pocket, and on your thyroid.

## VELCRO PATCH

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A customized, embroidered velcro patch can be added to a specific area on your apron. Typical locations are on the pocket, above pocket, or to the left of your pocket.



## LUXRAY PATTERNS

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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!

## EXTRA POCKETS

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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 above is a spacious L-shaped pocket which can be added to your skirt.



# CUSTOMIZATIONS: PROTECTION OPTIONS



## AXILLARY WINGS

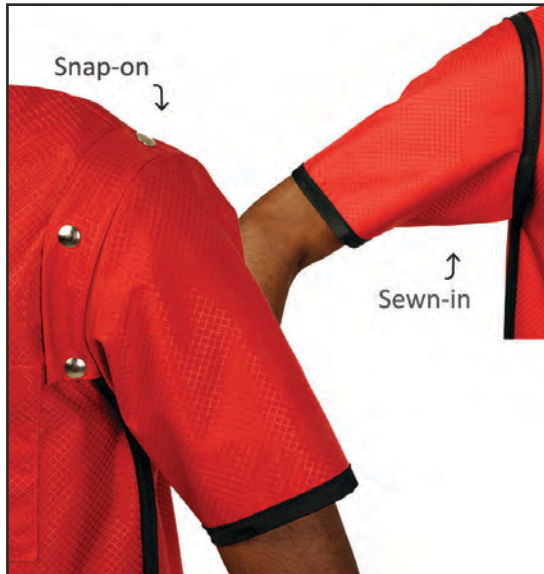
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Axillary wings are a protective flap sewn-in or “snapped-on” to your apron and offer vital protection to vulnerable breast tissue and red bone marrow areas. Protection levels will match your apron specifications.

## SIDE EXTENSIONS

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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.



## APRON SLEEVE

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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. For an upcharge, we can add a small “flap” which is tucked inside the apron armpit to ensure there are no gaps in protection.



## APRON INSPIRATION

# CUSTOM PROJECTS



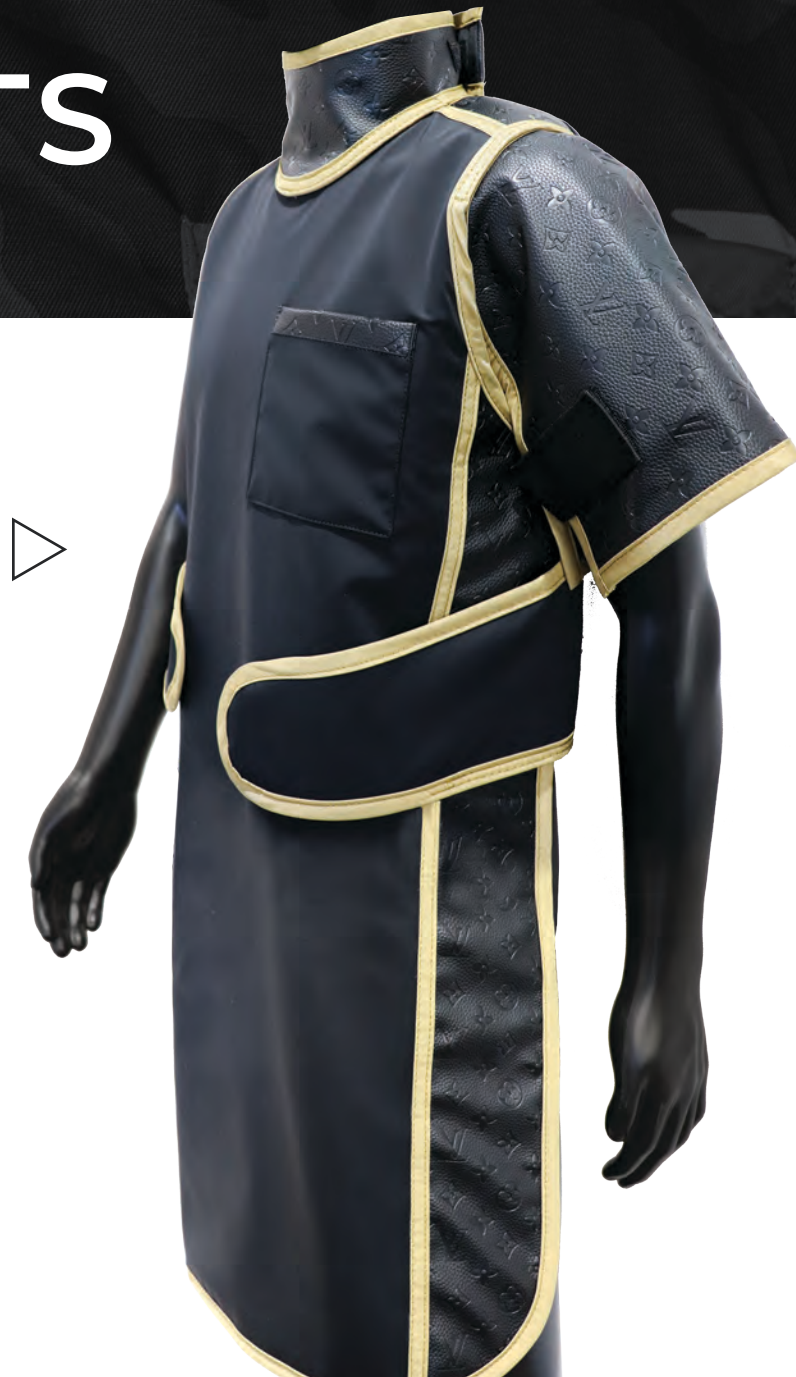
### LOUIS VUITTON FLEXBACK APRON

One of our favorite custom apron projects was this LuxRay Flexback featuring Louis Vuitton accents. Custom from top to bottom, this apron boasted an attached thyroid collar and velcro-adjustable apron sleeve also made in the Louis Vuitton fabric.

### SWISS SOCCER CLUB SKIRT

This Swiss soccer club apron required great attention to detail to complete. The customer provided a special team flag to be utilized as the actual apron fabric.

If you have a special fabric you want to use, send it our way! Our team loves a challenge.





## THE DAWN OF JUSTICE APRONS

After custom flags and Louis Vuitton it was necessary that we honor the age of super heroes with our Special Edition DC Comics series. We hope Marvel and Avatar themes are next!



COMMITMENT ISSUES? TRY OUR

# RENTAL APRONS

For those needing temporary radiation protection, Proguard rental aprons are the perfect solution. Rental aprons are essential for continuous education courses, cadaver workshops, or any other event that requires the use of fluoro and radiation protective apparel. There is no need to purchase and hold all of that inventory. Protech has a large selection of in stock apron rentals available to ship year round.

Frontal and Full protection styles available

Available Sizes: Small, Medium, Large, XL, 2XL

## FRONT PROTECTION

# APRON FEATURES



### Backstrap

Velcro backstrap securely fastens shoulder area.

### Shoulder Padding

Premium foam padding in the shoulders provides extra comfort.



### Back Relief Belt

Wide, elastic belt provides lumbar support and maximum comfort.

### Apron Pocket

### Belt Buckle Closure

## ADDITIONAL CUSTOMIZATION OPTIONS

|                |               |           |
|----------------|---------------|-----------|
| Thyroid Collar | Drop Shoulder | Wings     |
| Extra Pocket   | Embroidery    | Back Mesh |
| Logo           | Sleeve        |           |

## Core Material Weight (0.25mm) Thickness Options

| Core Material | Weight (0.25mm) | Thickness Options  |
|---------------|-----------------|--------------------|
| Lead          | 3400 gsm        | 0.25, 0.50mm       |
| Prolite       | 2850 gsm        | 0.25, 0.35, 0.50mm |
| Premier       | 2600 gsm        | 0.25, 0.35, 0.50mm |
| Nano          | 2300 gsm        | 0.25, 0.35, 0.50mm |



FOR SIZING AND COLOR OPTIONS SEE PAGES 64-69.



\*CE applies to Lead and Prolite in 0.25, 0.35, and 0.50mm. Prolite is limited to 110kVp diagnostic range.

# 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 velcro backstrap is also included to secure the apron around your shoulder area and prevent sliding.



# 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.



## FRONT PROTECTION

### APRON FEATURES



**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

|                |               |              |
|----------------|---------------|--------------|
| Thyroid Collar | Drop Shoulder | Elastic Back |
| Extra Pocket   | Embroidery    | Backstrap    |
| Logo           | Sleeve        |              |

### Core Material Weight (0.25mm) Thickness Options

| Core Material | Weight (0.25mm) | Thickness Options  |
|---------------|-----------------|--------------------|
| Pb Lead       | 3400 gsm        | 0.25, 0.50mm       |
| Prolite       | 2850 gsm        | 0.25, 0.35, 0.50mm |
| Premier       | 2600 gsm        | 0.25, 0.35, 0.50mm |
| Nano          | 2300 gsm        | 0.25, 0.35, 0.50mm |



FOR SIZING AND COLOR OPTIONS SEE PAGES 64-69.



\*CE applies to Lead and Prolite in 0.25, 0.35, and 0.50mm. Prolite is limited to 110kVp diagnostic range.



## FRONT PROTECTION

# APRON FEATURES

**+** **Backstrap**  
Velcro backstrap securely fastens shoulder area.

**+** **Elastic Back**  
Provides enhanced adjustability and lumbar support. Shifts weight from shoulders & hips.

**Shoulder Padding**  
Premium foam padding in the shoulders provides extra comfort.



**Apron Pocket**

**Velcro Closure**

### ADDITIONAL CUSTOMIZATION OPTIONS

|                |               |           |
|----------------|---------------|-----------|
| Thyroid Collar | Drop Shoulder | Wings     |
| Extra Pocket   | Embroidery    | Back Mesh |
| Logo           | Sleeve        |           |

| Core Material | Weight (0.25mm) | Thickness Options |
|---------------|-----------------|-------------------|
|---------------|-----------------|-------------------|

|   |         |          |                    |
|---|---------|----------|--------------------|
| <b>Pb</b>   | Lead    | 3400 gsm | 0.25, 0.50mm       |
|  | Prolite | 2850 gsm | 0.25, 0.35, 0.50mm |
| <b>PR</b>   | Premier | 2600 gsm | 0.25, 0.35, 0.50mm |
|  | Nano    | 2300 gsm | 0.25, 0.35, 0.50mm |



FOR SIZING AND COLOR OPTIONS SEE PAGES 64-69.



\*CE applies to Lead and Prolite in 0.25, 0.35, and 0.50mm. Prolite is limited to 110kVp diagnostic range.



# 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 velcro backstrap (shown below) is included and secures the apron around your shoulder area to prevent sliding.



# SURGICAL DROP APRON

MODEL: [ AP-SD ]

Maintain your sterile field with the quick release Surgical Drop Apron. Easy-release velcro 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.



## FRONT PROTECTION

### APRON FEATURES

- +** **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**
- +** **Velcro Closure**

### ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Extra Pocket
- Embroidery
- Logo

| Core Material     | Weight (0.25mm) | Thickness Options  |
|-------------------|-----------------|--------------------|
| <b>Pb</b> Lead    | 3400 gsm        | 0.25, 0.50mm       |
| <b>P</b> Prolite  | 2850 gsm        | 0.25, 0.35, 0.50mm |
| <b>PR</b> Premier | 2600 gsm        | 0.25, 0.35, 0.50mm |
| <b>N</b> Nano     | 2300 gsm        | 0.25, 0.35, 0.50mm |



FOR SIZING AND COLOR OPTIONS SEE PAGES 64-69.



\*CE applies to Lead and Prolite in 0.25, 0.35, and 0.50mm. Prolite is limited to 110kVp diagnostic range.

FRONT PROTECTION

# APRON FEATURES

- Shoulder Padding  
Premium foam padding in the shoulders provides extra comfort.
- Apron Pocket
- Tie Closure

## ADDITIONAL CUSTOMIZATION OPTIONS

- |                |            |           |
|----------------|------------|-----------|
| Thyroid Collar | Embroidery | Wings     |
| Logo           | Sleeve     | Backstrap |

| Core Material | Weight (0.25mm) | Thickness Options  |
|---------------|-----------------|--------------------|
| Lead          | 3400 gsm        | 0.25, 0.50mm       |
| Prolite       | 2850 gsm        | 0.25, 0.35, 0.50mm |
| Premier       | 2600 gsm        | 0.25, 0.35, 0.50mm |
| Nano          | 2300 gsm        | 0.25, 0.35, 0.50mm |



FOR SIZING AND COLOR OPTIONS SEE PAGES 64-69.



\*CE applies to Lead and Prolite in 0.25, 0.35, and 0.50mm. Prolite is limited to 110kVp diagnostic range.

# 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.



# 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.







## FRONT PROTECTION

## APRON FEATURES

-  **Multi-Panel Design**  
Allows for easy maneuvering and a comfortable fit.
-  **Backstrap**  
Velcro backstrap securely fastens shoulder area.
- Shoulder Padding**  
Premium foam padding in the shoulders provides extra comfort.
- Apron Pocket**
- Velcro Closure**

## ADDITIONAL CUSTOMIZATION OPTIONS

- |                |               |           |
|----------------|---------------|-----------|
| Thyroid Collar | Drop Shoulder | Wings     |
| Extra Pocket   | Embroidery    | Back Mesh |
| Logo           | Sleeve        |           |

| Core Material   | Weight (0.25mm) | Thickness Options  |
|---|-----------------|--------------------|
|  Lead    | 3400 gsm        | 0.25, 0.50mm       |
|  Prolite | 2850 gsm        | 0.25, 0.35, 0.50mm |
|  Premier | 2600 gsm        | 0.25, 0.35, 0.50mm |
|  Nano    | 2300 gsm        | 0.25, 0.35, 0.50mm |



FOR SIZING AND COLOR OPTIONS SEE PAGES 64-69.



\*CE applies to Lead and Prolite in 0.25, 0.35, and 0.50mm. Prolite is limited to 110kVp diagnostic range.

## FRONT PROTECTION

# APRON FEATURES



### 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

### Velcro Closure

## ADDITIONAL CUSTOMIZATION OPTIONS

|                |               |           |
|----------------|---------------|-----------|
| Thyroid Collar | Drop Shoulder | Wings     |
| Extra Pocket   | Embroidery    | Backstrap |
| Logo           | Sleeve        | Back Mesh |

## Core Material Weight (0.25mm) Thickness Options

| Core Material | Weight (0.25mm) | Thickness Options  |
|---------------|-----------------|--------------------|
| Pb Lead       | 3400 gsm        | 0.25, 0.50mm       |
| Prolite       | 2850 gsm        | 0.25, 0.35, 0.50mm |
| Premier       | 2600 gsm        | 0.25, 0.35, 0.50mm |
| Nano          | 2300 gsm        | 0.25, 0.35, 0.50mm |



FOR SIZING AND COLOR OPTIONS SEE PAGES 64-69.



\*CE applies to Lead and Prolite in 0.25, 0.35, and 0.50mm. Prolite is limited to 110kVp diagnostic range.

# 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.



# MATERNITY APRON

MODEL: [ AP-MA ]

The maternity apron features easy ties and a quick release buckle to secure the back and front panels; allowing complete adjustability during pregnancy. The maternity apron also includes an additional .50mm equivalent half apron for a total of 1.00mm Pb protection over the abdominal area and lower extremities.






## FULL PROTECTION

### APRON FEATURES

- + 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 Padding**  
Premium foam padding in the shoulders provides extra comfort.
- Apron Pocket**
- Tie & Buckle Closures**

### ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Wings
- Extra Pocket
- Embroidery
- Logo
- Sleeve

| Core Material   | Weight (0.25mm) | Thickness Options  |
|---|-----------------|--------------------|
|  Prolite | 2850 gsm        | 0.25, 0.35, 0.50mm |
|  Premier | 2600 gsm        | 0.25, 0.35, 0.50mm |
|  Nano    | 2300 gsm        | 0.25, 0.35, 0.50mm |



FOR SIZING AND COLOR OPTIONS SEE PAGES 64-69.



\*CE applies to Lead and Prolite in 0.25, 0.35, and 0.50mm. Prolite is limited to 110kVp diagnostic range.




FULL PROTECTION

## APRON FEATURES

- +** **Elastic Back**  
Provides enhanced adjustability and lumbar support. Shifts weight from shoulders & hips.
- +** **Single Front Panel**  
Eliminates excess overlapping panels achieving a 15% 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**
- +** **Velcro Closure**

### ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Wings
- Extra Pocket
- Embroidery
- Logo
- Sleeve

| Core Material   | Weight (0.25mm) | Thickness Options  |
|---|-----------------|--------------------|
|  Prolite | 2850 gsm        | 0.25, 0.35, 0.50mm |
|  Premier | 2600 gsm        | 0.25, 0.35, 0.50mm |
|  Nano    | 2300 gsm        | 0.25, 0.35, 0.50mm |



FOR SIZING AND COLOR OPTIONS SEE PAGES 64-69.



\*CE applies to Lead and Prolite in 0.25, 0.35, and 0.50mm. Prolite is limited to 110kVp diagnostic range.

# WRAPAROUND FLEXBACK MATERNITY APRON

MODEL: [ AP-WAFBMA ]

The Wraparound Flexback Maternity apron combines the best qualities of our flexback apron with the full protection and back support of our wraparound back relief apron. The elastic stretch-back shifts weight from your shoulders to your hips while the tri-tab velcro closure system provides convenient, easy-on easy-off wearability. In addition, the 6" wide frontal velcro allows the wearer to adjust the crossties up or down to account for mom's growing belly. The Wrap Around Flexback eliminates excess overlapping lead and is up to **15% lighter than traditional wrap styles.**



# ESSENTIAL™ WRAPAROUND BACK RELIEF APRON

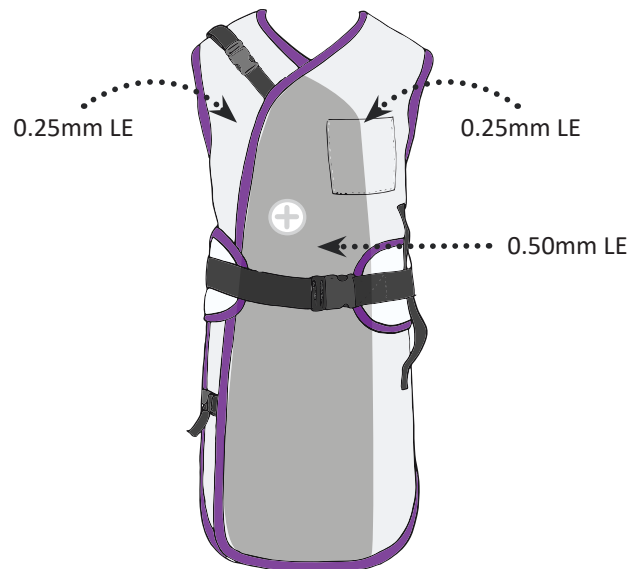


MODEL: [ AP-WAQ ]

Offering full protection, this back relieving design transfers the weight from your shoulders to your hips with the aid of a 6" lumbar support belt. The Wrap Around Back Relief apron features velcro and buckle closures to ensure a proper fit. The Essential apron configuration **features extended front panels to achieve a 3/4 overlap (where protection is doubled) which allows for a lighter weight apron without compromising protection. The Essential Wraparound is available in standard sizing only.** For a made-to-measure Wrap-around apron, see the Balance Wraparound on the next page.



Example of a 0.50mm LE  
Essential Wraparound  
Apron Lead Configuration



FULL PROTECTION

## APRON FEATURES

- +** Adjustable Buckle Set  
Adjustable buckle closures ensure a secure fit.
- +** Back Relief Belt  
Elastic lumbar support belt with buckle closure system.
- +** Extended Front Panels  
Front panels are extended to 3/4 overlap coverage where LE protection is doubled
- Shoulder Padding  
Premium foam padding in the shoulders provides extra comfort.
- Apron Pocket
- Velcro and Buckle Closures

### ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Wings
- Extra Pocket
- Embroidery
- Logo
- Sleeve

| Core Material     | Weight (0.25mm) | Thickness Options  |
|-------------------|-----------------|--------------------|
| <b>Pb</b> Lead    | 3400 gsm        | 0.25, 0.50mm       |
| <b>P</b> Prolite  | 2850 gsm        | 0.25, 0.35, 0.50mm |
| <b>PR</b> Premier | 2600 gsm        | 0.25, 0.35, 0.50mm |
| <b>N</b> Nano     | 2300 gsm        | 0.25, 0.35, 0.50mm |



FOR SIZING AND COLOR OPTIONS SEE PAGES 64-69.



\*CE applies to Lead and Prolite in 0.25, 0.35, and 0.50mm. Prolite is limited to 110kVp diagnostic range.



FULL PROTECTION

# APRON FEATURES

- +** **Adjustable Buckle Set**  
Adjustable buckle closures ensure a secure fit.
- +** **Back Relief Belt**  
Elastic lumbar support belt with buckle closure system.
- +** **Seam-to-seam Protection**  
Seam-to-seam, standardized protection in Front (no change in protection at overlap)

- Shoulder Padding**  
Premium foam padding in the shoulders provides extra comfort.
- Apron Pocket**
- Velcro and Buckle Closures**

## ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Wings
- Extra Pocket
- Embroidery
- Logo
- Sleeve

| Core Material     | Weight (0.25mm) | Thickness Options  |
|-------------------|-----------------|--------------------|
| <b>Pb</b> Lead    | 3400 gsm        | 0.25, 0.50mm       |
| <b>P</b> Prolite  | 2850 gsm        | 0.25, 0.35, 0.50mm |
| <b>PR</b> Premier | 2600 gsm        | 0.25, 0.35, 0.50mm |
| <b>N</b> Nano     | 2300 gsm        | 0.25, 0.35, 0.50mm |



FOR SIZING AND COLOR OPTIONS SEE PAGES 64-69.



\*CE applies to Lead and Prolite in 0.25, 0.35, and 0.50mm. Prolite is limited to 110kVp diagnostic range.

# BALANCE™ WRAPAROUND BACK RELIEF APRON

MODEL: [ AP-WABR ]

Offering full protection, this back relieving design transfers the weight from your shoulders to your hips with the aid of a 6" lumbar support belt. The Wrap Around Back Relief apron features velcro and buckle closures to ensure a proper fit. The Balance configuration features **seam-to-seam, single LE protection with standard overlapping panels** (see below for lead configuration).

Example of a 0.50mm LE Balance Wraparound Apron Lead Configuration



# WRAPAROUND FLEXBACK APRON

MODEL: [ AP-WAFB ]

Want the ultimate in comfort and protection? The Wrap Around Flexback apron combines the best qualities of our flexback apron with the full protection and back support of our wraparound back relief apron. The elastic stretch-back shifts weight from your shoulders to your hips while the tri-tab velcro closure system provides convenient, easy-on easy-off wearability. The Wrap Around Flexback eliminates excess overlapping lead and is up to **15% lighter than traditional wrap styles.**



FULL PROTECTION

## APRON FEATURES

- +** **Elastic Back**  
Provides enhanced adjustability and lumbar support. Shifts weight from shoulders & hips.
- +** **Single Front Panel**  
Eliminates excess overlapping panels achieving a 15% 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**
- +** **Velcro Closure**

### ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Wings
- Extra Pocket
- Embroidery
- Logo
- Sleeve

| Core Material     | Weight (0.25mm) | Thickness Options  |
|-------------------|-----------------|--------------------|
| <b>Pb</b> Lead    | 3400 gsm        | 0.25, 0.50mm       |
| <b>P</b> Prolite  | 2850 gsm        | 0.25, 0.35, 0.50mm |
| <b>PR</b> Premier | 2600 gsm        | 0.25, 0.35, 0.50mm |
| <b>N</b> Nano     | 2300 gsm        | 0.25, 0.35, 0.50mm |



FOR SIZING AND COLOR OPTIONS SEE PAGES 64-69.



\*CE applies to Lead and Prolite in 0.25, 0.35, and 0.50mm. Prolite is limited to 110kVp diagnostic range.

FULL PROTECTION



# TRI-TAB VEST AND SKIRT APRON

## APRON FEATURES

- +** **Elastic Back**  
Provides enhanced adjustability and lumbar support. Shifts weight from shoulders & 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.
- +** **Non-slip Backing (skirt)**  
Reduces slippage and improves fit.
- +** **Shoulder Padding**  
Premium foam padding in the shoulders provides extra comfort.
- +** **Apron Pocket**
- +** **Multi-tab Velcro Closure**
- +** **Hanging Tabs on Skirt**

### ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Extra Pocket
- Embroidery
- Logo
- Sleeve
- Suspenders (skirt)

| Core Material     | Weight (0.25mm) | Thickness Options  |
|-------------------|-----------------|--------------------|
| <b>Pb</b> Lead    | 3400 gsm        | 0.25, 0.50mm       |
| <b>P</b> Prolite  | 2850 gsm        | 0.25, 0.35, 0.50mm |
| <b>PR</b> Premier | 2600 gsm        | 0.25, 0.35, 0.50mm |
| <b>N</b> Nano     | 2300 gsm        | 0.25, 0.35, 0.50mm |



FOR SIZING AND COLOR OPTIONS SEE PAGES 64-69.



\*CE applies to Lead and Prolite in 0.25, 0.35, and 0.50mm. Prolite is limited to 110kVp diagnostic range.

MODEL: [AP-TVEST]<sub>(vest only)</sub> [AP-SKIRT]<sub>(skirt only)</sub> [AP-TVS]<sub>(vest and skirt combo)</sub>

With an easy-on, easy-off multi tab (velcro) closure design, the Tri-tab is a popular style for vest and skirt combinations. Velcro closures are located on the left shoulder and around the hips. An elastic back allows for a flexible fit while providing premium comfort and back support. The Tri-tab Vest Skirt reduces excess overlapping lead and is **up to 10% lighter than traditional vest models.**



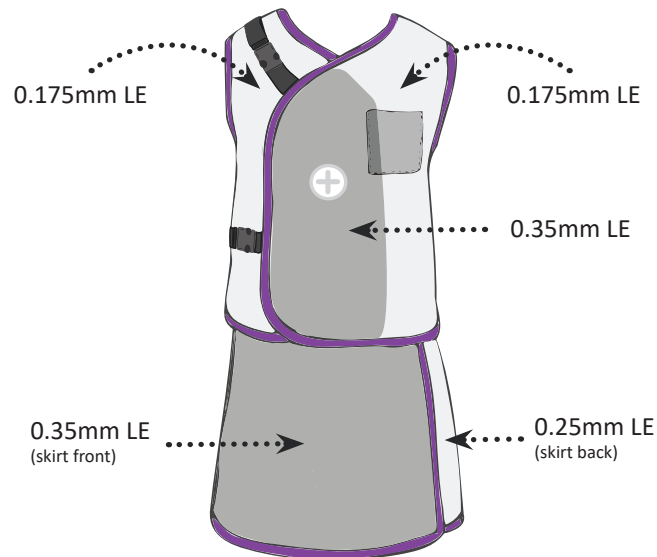
# ESSENTIAL™ VEST AND SKIRT APRON

MODEL: [AP-VQ] (vest only) [AP-SKIRT] (skirt only) [AP-VSQ] (vest and skirt combo)

Be prepared for prolonged procedures with the Vest Skirt apron. The two piece design shifts 70% of the weight directly to the hips, reducing back fatigue. The Essential apron configuration **features extended front panels to achieve a 3/4 overlap (where protection is doubled) which allows for a lighter weight apron without compromising protection.** The skirt comes standard with a premium non-slip fabric in the back. **Essential aprons are only available in standard sizes.** For a made-to-measure Vest Skirt, see the Balance Vest Skirt Apron.



**Example of a 0.35mm LE Essential Vest Skirt Apron Lead Configuration**



## FULL PROTECTION

### APRON FEATURES

- +** Adjustable Buckle Set  
Adjustable buckle closures ensure a secure fit.
- +** Non-slip Backing (skirt interior)  
Reduces slippage and improves fit.
- +** Extended Front Panels  
Front panels are extended to 3/4 overlap coverage where LE protection is doubled
- Shoulder Padding  
Premium foam padding in the shoulders provides extra comfort.
- Apron Pocket
- Velcro Closure
- Hanging Tabs on Skirt

### ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Wings
- Extra Pocket
- Suspenders (skirt)
- Embroidery
- Logo
- Sleeve

| Core Material     | Weight (0.25mm) | Thickness Options  |
|-------------------|-----------------|--------------------|
| <b>Pb</b> Lead    | 3400 gsm        | 0.25, 0.50mm       |
| <b>P</b> Prolite  | 2850 gsm        | 0.25, 0.35, 0.50mm |
| <b>PR</b> Premier | 2600 gsm        | 0.25, 0.35, 0.50mm |
| <b>N</b> Nano     | 2300 gsm        | 0.25, 0.35, 0.50mm |



FOR SIZING AND COLOR OPTIONS SEE PAGES 64-69.



\*CE applies to Lead and Prolite in 0.25, 0.35, and 0.50mm. Prolite is limited to 110kVp diagnostic range.

FULL PROTECTION



# BALANCE™ VEST AND SKIRT APRON

## APRON FEATURES

- +** **Adjustable Buckle Set**  
Adjustable buckle closures ensure a secure fit.
- +** **Non-slip Backing (skirt interior)**  
Reduces slippage and improves fit.
- +** **Seam-to-seam Protection**  
Seam-to-seam, standardized protection in Front (no change in protection at overlap)
- Shoulder Padding**  
Premium foam padding in the shoulders provides extra comfort.
- Apron Pocket**
- Velcro Closure**
- Hanging Tabs on Skirt**

### ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Wings
- Extra Pocket
- Suspenders (skirt)
- Embroidery
- Logo
- Sleeve

| Core Material     | Weight (0.25mm) | Thickness Options  |
|-------------------|-----------------|--------------------|
| <b>Pb</b> Lead    | 3400 gsm        | 0.25, 0.50mm       |
| <b>P</b> Prolite  | 2850 gsm        | 0.25, 0.35, 0.50mm |
| <b>PR</b> Premier | 2600 gsm        | 0.25, 0.35, 0.50mm |
| <b>N</b> Nano     | 2300 gsm        | 0.25, 0.35, 0.50mm |



FOR SIZING AND COLOR OPTIONS SEE PAGES 64-69.

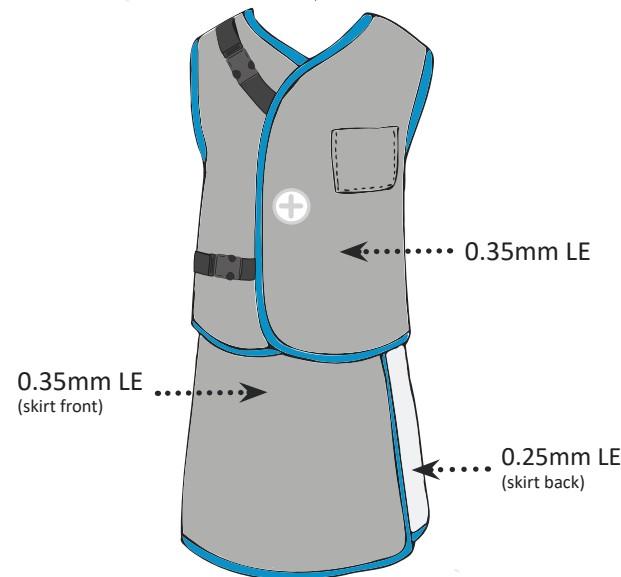


\*CE applies to Lead and Prolite in 0.25, 0.35, and 0.50mm. Prolite is limited to 110kVp diagnostic range.

MODEL: [AP-V]<sub>(vest only)</sub> [AP-SKIRT]<sub>(skirt only)</sub> [AP-VS]<sub>(vest and skirt combo)</sub>

Be prepared for prolonged procedures with the Vest Skirt apron. The two piece design shifts 70% of the weight directly to the hips, reducing back fatigue. The Balance configuration **features seam-to-seam, single LE protection with standard overlapping panels** (see below for lead configuration). The skirt comes standard with a premium non-slip fabric in the back.

Example of a 0.35mm LE Balance Vest Skirt Apron Lead Configuration



# ESSENTIAL™ FLEXBACK VEST AND SKIRT APRON

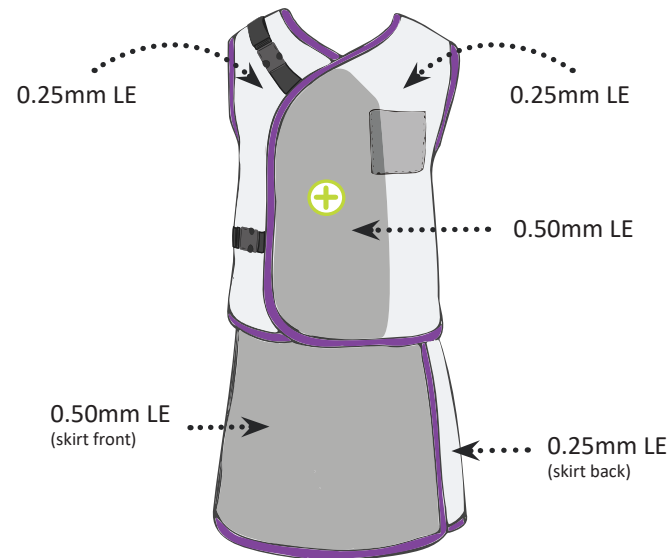


MODEL: [AP-VFBQ]<sub>(vest only)</sub> [AP-SKIRT]<sub>(skirt only)</sub> [ AP-VSFBQ ]<sub>(vest and skirt combo)</sub>

The Essential Vest Skirt Flexback shifts 70% of the weight directly to the hips with added support of an adjustable, elastic back relief belt. The Essential apron configuration **features extended front panels to achieve a 3/4 overlap (where protection is doubled) which allows for a lighter weight apron without compromising protection.** The skirt comes standard with an anti-slip fabric in the back (interior) to keep your skirt in place. **Essential aprons are only available in standard sizes.** For a made-to-measure Vest Skirt Flexback, see the Balance Vest Skirt Flexback Apron.



**Example of a 0.50mm LE Essential Vest Skirt Apron Lead Configuration**



## FULL PROTECTION

### APRON FEATURES

- Adjustable Buckle Set**  
Adjustable buckle closures ensure a secure fit.
- Flexback Belt**  
Wraps internally around your back and securely fastens in the front.
- Non-slip Backing (skirt interior)**  
Reduces slippage and improves fit.
- Extended Front Panels**  
Front panels are extended to 3/4 overlap coverage where LE protection is doubled
- Shoulder Padding**  
Premium foam padding in the shoulders provides extra comfort.
- Apron Pocket**
- Velcro Closure**
- Hanging Tabs on Skirt**

### ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Wings
- Extra Pocket
- Suspenders (skirt)
- Embroidery
- Logo
- Sleeve

| Core Material | Weight (0.25mm) | Thickness Options  |
|---------------|-----------------|--------------------|
| Lead          | 3400 gsm        | 0.25, 0.50mm       |
| Prolite       | 2850 gsm        | 0.25, 0.35, 0.50mm |
| Premier       | 2600 gsm        | 0.25, 0.35, 0.50mm |
| Nano          | 2300 gsm        | 0.25, 0.35, 0.50mm |



FOR SIZING AND COLOR OPTIONS SEE PAGES 64-69.



\*CE applies to Lead and Prolite in 0.25, 0.35, and 0.50mm. Prolite is limited to 110kVp diagnostic range.

FULL PROTECTION



# BALANCE™ FLEXBACK VEST AND SKIRT APRON

## APRON FEATURES

- +** **Adjustable Buckle Set**  
Adjustable buckle closures ensure a secure fit.
- +** **Flexback Belt**  
Wraps internally around your back and securely fastens in the front.
- +** **Non-slip Backing (skirt interior)**  
Reduces slippage and improves fit.
- +** **Seam-to-seam Protection**  
Seam-to-seam, standardized protection in Front (no change in protection at overlap)
- +** **Shoulder Padding**  
Premium foam padding in the shoulders provides extra comfort.
- +** **Apron Pocket**
- +** **Velcro Closure**
- +** **Hanging Tabs on Skirt**

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

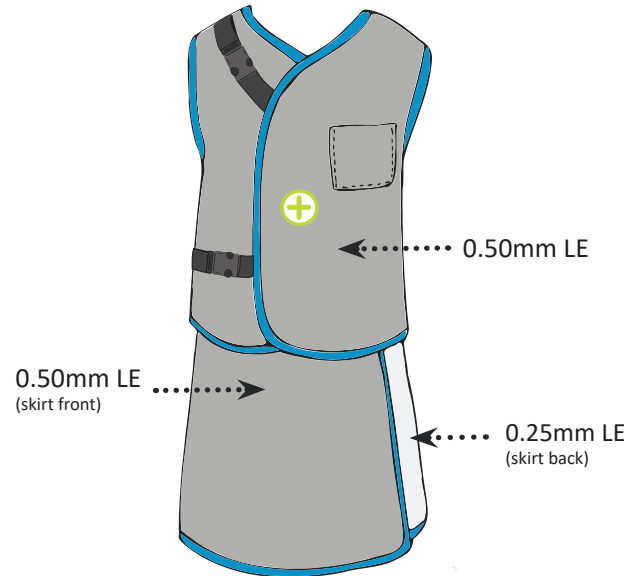
The Vest Skirt Flexback shifts 70% of the weight directly to the hips with added support of an adjustable, elastic back relief belt. The Balance configuration features **seam-to-seam, single LE protection with standard overlapping panels** (see below for lead configuration). The skirt comes standard with an anti-slip fabric in the back (interior) to keep your skirt in place.

### ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Wings
- Extra Pocket
- Suspenders (skirt)
- Embroidery
- Logo
- Sleeve

| Core Material     | Weight (0.25mm) | Thickness Options  |
|-------------------|-----------------|--------------------|
| <b>Pb</b> Lead    | 3400 gsm        | 0.25, 0.50mm       |
| <b>P</b> Prolite  | 2850 gsm        | 0.25, 0.35, 0.50mm |
| <b>PR</b> Premier | 2600 gsm        | 0.25, 0.35, 0.50mm |
| <b>N</b> Nano     | 2300 gsm        | 0.25, 0.35, 0.50mm |

Example of a 0.50mm LE Balance Vest Skirt Apron Lead Configuration



FOR SIZING AND COLOR OPTIONS SEE PAGES 64-69.



\*CE applies to Lead and Prolite in 0.25, 0.35, and 0.50mm. Prolite is limited to 110kVp diagnostic range.

## DENTAL APRON



|                       |  |
|-----------------------|--|
| <b>MODEL</b>          | AP-DA  |
| <b>CORE MATERIALS</b> | All Core Types (see page 12)                     |
| <b>THICKNESS</b>      | 0.50, 0.35, 0.25mm (standard) LE                 |
| <b>CLOSURE</b>        | None   |
| <b>SIZING</b>         | Adult: 28" W x 31" L<br>Pediatric: 24" W x 23" L |
| <b>CUSTOMIZATIONS</b> | Embroidery and Logo                              |
| <b>ADD-ONS</b>        | Thyroid Collar (included)                        |
| <b>COLORS</b>         | Refer to fabric colors on pages 64-69            |
| <b>CE</b>             | Yes  |

Features a non-slip microfiber material that ensures the apron lays in place over the patient. There are no closures. The thyroid collar is included.



## DENTAL PANORAMIC PONCHO



|                       |  |
|-----------------------|--|
| <b>MODEL</b>          | AP-DP  |
| <b>CORE MATERIALS</b> | All Core Types (see page 12)   |
| <b>THICKNESS</b>      | 0.50, 0.35, 0.25mm (standard) LE   |
| <b>CLOSURE</b>        | Velcro   |
| <b>SIZING</b>         | Adult: 24" W x 27" L x 16" L (front)<br>Pediatric: 18"W x 22"L (front) 12"L (back panel) |
| <b>CUSTOMIZATIONS</b> | Embroidery and Logo  |
| <b>ADD-ONS</b>        | Thyroid Collar   |
| <b>COLORS</b>         | Refer to fabric colors on pages 64-69  |
| <b>CE</b>             | Yes  |

Drapes over the body to provide front and back protection. Similar to the dental cape but the velcro closure is on the shoulder area. The Dental Panoramic Poncho comes in two sizes.





## ORIGINAL THYROID COLLAR



|                       |  |
|-----------------------|--|
| <b>MODEL</b>          | AP-TCO   |
| <b>CORE MATERIALS</b> | All Core Types (see page 12)                       |
| <b>THICKNESS</b>      | 0.50 (standard), 0.35, 0.25mm LE                   |
| <b>CLOSURE</b>        | Velcro (shown), Magnets or Buckle                  |
| <b>SIZING</b>         | SM: 13-14"<br>MD: 15-16"<br>LG: 17"+<br>XL: Custom |
| <b>CUSTOMIZATIONS</b> | Embroidery and Logo                                |
| <b>ATTACHMENTS</b>    | Loose, Clip, Keyring, Tethered                     |
| <b>COLORS</b>         | Refer to fabric colors on pages 64-69              |
| <b>CE</b>             | Yes  |

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



## STANDARD THYROID COLLAR



|                       |  |
|-----------------------|--|
| <b>MODEL</b>          | AP-TCS   |
| <b>CORE MATERIALS</b> | All Core Types (see page 12)                       |
| <b>THICKNESS</b>      | 0.50 (standard), 0.35, 0.25mm LE                   |
| <b>CLOSURE</b>        | Velcro, Magnets or Buckle (shown)                  |
| <b>SIZING</b>         | SM: 13-14"<br>MD: 15-16"<br>LG: 17"+<br>XL: Custom |
| <b>CUSTOMIZATIONS</b> | Embroidery and Logo                                |
| <b>ATTACHMENTS</b>    | Loose, Clip, Keyring, Tethered                     |
| <b>COLORS</b>         | Refer to fabric colors on pages 64-69              |
| <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.



## PROGUARD THYROID COLLAR



|                       |  |
|-----------------------|--|
| <b>MODEL</b>          | AP-TCG                                   |
| <b>CORE MATERIALS</b> | All Core Types (see page 12)             |
| <b>THICKNESS</b>      | 0.50 (standard), 0.35, 0.25mm LE         |
| <b>CLOSURE</b>        | Velcro                                   |
| <b>SIZING</b>         | SM: 21"<br>MD: 22"<br>LG: 23"<br>XL: 24" |
| <b>CUSTOMIZATIONS</b> | Embroidery and Logo                      |
| <b>ATTACHMENTS</b>    | Loose, Clip, Keyring, Tethered           |
| <b>COLORS</b>         | Refer to fabric colors on pages 64-69    |
| <b>CE</b>             | Yes                                      |

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



## MAMMOGRAPHY THYROID COLLAR



|                       |                                       |
|-----------------------|---------------------------------------|
| <b>MODEL</b>          | AP-TCM                                |
| <b>CORE MATERIALS</b> | All Core Types (see page 12)          |
| <b>THICKNESS</b>      | 0.50 (standard), 0.35, 0.25mm LE      |
| <b>CLOSURE</b>        | Velcro (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>         | Refer to fabric colors on pages 64-69 |
| <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.



## THYROID COLLAR COVERS

|                       |                   |
|-----------------------|-------------------|
| <b>MODEL</b>          | SG-TCCD           |
| <b>CORE MATERIALS</b> | None              |
| <b>MATERIAL</b>       | 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.



## PROGUARD SMART CAP



|                       |                                       |
|-----------------------|---------------------------------------|
| <b>MODEL</b>          | AP-PGCAP                              |
| <b>CORE MATERIALS</b> | All Core Types (see page 12)          |
| <b>THICKNESS</b>      | 0.50 (standard), 0.35, 0.25mm LE      |
| <b>CLOSURE</b>        | Beaded Adjustable Strap               |
| <b>SIZING</b>         | SM-M: 21-22"<br>L-XL: 23-25"          |
| <b>CUSTOMIZATIONS</b> | Embroidery and Logo                   |
| <b>COLORS</b>         | Refer to fabric colors on pages 64-69 |
| <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-PAGE                               |
| <b>CORE MATERIALS</b> | All Core Types (see page 12)          |
| <b>THICKNESS</b>      | 0.50 (standard), 0.35, 0.25mm LE      |
| <b>CLOSURE</b>        | Velcro                                |
| <b>SIZING</b>         | S: 21"<br>M: 22"<br>L: 23"<br>XL: 24" |
| <b>CUSTOMIZATIONS</b> | Embroidery and Logo                   |
| <b>PROTECTION</b>     | Side Protection                       |
| <b>COLORS</b>         | Refer to fabric colors on pages 64-69 |
| <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. Velcro 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 12)          |
| <b>THICKNESS</b>      | 0.50 (standard), 0.35, 0.25mm LE      |
| <b>CLOSURE</b>        | Velcro                                |
| <b>SIZING</b>         | S: 21"<br>M: 22"<br>L: 23"<br>XL: 24" |
| <b>CUSTOMIZATIONS</b> | None                                  |
| <b>PROTECTION</b>     | Top and Side Protection               |
| <b>COLORS</b>         | Refer to fabric colors on pages 64-69 |
| <b>CE</b>             | Yes                                   |

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



## DISPOSABLE SMART CAP



|                       |                            |
|-----------------------|----------------------------|
| <b>MODEL</b>          | SG-DCAP                    |
| <b>CORE MATERIALS</b> | Prolite Lead Free          |
| <b>THICKNESS</b>      | 0.125, 0.25, or 0.375mm LE |
| <b>CLOSURE</b>        | Ties                       |
| <b>SIZING</b>         | One size fits all          |
| <b>CUSTOMIZATIONS</b> | None                       |
| <b>COLORS</b>         | Blue                       |
| <b>CE</b>             | Yes (only 0.25mm LE)       |

ScatterGuard's disposable Smart Caps are designed to provide essential protection against scatter radiation. Light-weight and adjustable, our Smart Cap has a convenient, universal fit. The Smart 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 depending on whether you choose 0.125, 0.25, or 0.375mm LE.



## SCOLIOSIS STOLE



|                       |  |
|-----------------------|--|
| <b>MODEL</b>          | AP-STOLE   |
| <b>CORE MATERIALS</b> | All Core Types (see page 12)   |
| <b>THICKNESS</b>      | 0.50 (standard), 0.35, 0.25mm LE                                     |
| <b>CLOSURE</b>        | Buckle   |
| <b>SIZING</b>         | Pediatric: 15" x 4.75"<br>Medium: 18.5" x 6.75"<br>Large: 23.5" x 8" |
| <b>CUSTOMIZATIONS</b> | Embroidery and Logo  |
| <b>COLORS</b>         | Refer to fabric colors on pages 64-69                                |
| <b>CE</b>             | Yes  |

The scoliosis stole is primarily used for spinal imaging. The shield features velcro 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 12)   |
| <b>THICKNESS</b>      | 0.50 (standard), 0.35, 0.25mm LE   |
| <b>CLOSURE</b>        | Velcro (standard) or Buckle  |
| <b>SIZING</b>         | Small - 5.75" x 4.5"<br>Medium - 7.6" x 6.4"<br>Large - 9.5" x 7.8"<br>Pediatric sizing also available (page 54) |
| <b>CUSTOMIZATIONS</b> | Embroidery and Logo  |
| <b>SPECIAL</b>        | Available as a set of 3 or individually  |
| <b>COLORS</b>         | Refer to fabric colors on pages 64-69  |
| <b>CE</b>             | Yes  |

This unique gonad/ovarian shield belt system comes complete with four interchangeable sizes which provide coverage from x-ray for a variety of needs. The adjustable Velcro or buckle also allows the user to fit almost any waist size. The gonad/ovarian belt system comes as a set of 3 sizes (adult or pediatric sets). They can also be purchased individually.



## APRON SLEEVE



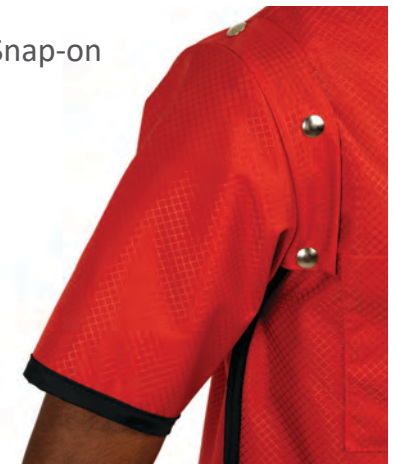
|                       |                                       |
|-----------------------|---------------------------------------|
| <b>MODEL</b>          | AP-SLV/SLV2                           |
| <b>CORE MATERIALS</b> | All Core Types (see page 12)          |
| <b>THICKNESS</b>      | 0.50, 0.35, 0.25mm (standard) LE      |
| <b>CLOSURE</b>        | Snap-on or Sewn-in                    |
| <b>SIZING</b>         | Small, Medium, Large, XL or Custom    |
| <b>CUSTOMIZATIONS</b> | Embroidery and Logo                   |
| <b>COLORS</b>         | Refer to fabric colors on pages 64-69 |
| <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).

Sewn-in



Snap-on



## SHIN GUARDS



|                       |   |
|-----------------------|---|
| <b>MODEL</b>          | AP-SG   |
| <b>CORE MATERIALS</b> | All Core Types (see page 12)                                  |
| <b>THICKNESS</b>      | 0.50 (standard), 0.35, 0.25mm LE                              |
| <b>CLOSURE</b>        | Velcro  |
| <b>SIZING</b>         | SM: 13" x 9"<br>M: 14" x 10"<br>L: 16" x 12"<br>XL: 18" x 24" |
| <b>CUSTOMIZATIONS</b> | Embroidery and Logo   |
| <b>COLORS</b>         | Refer to fabric colors on pages 64-69                         |
| <b>CE</b>             | Yes   |

When being exposed to ionizing radiation, all forms of radiation protection are necessary. Shin Guards protect against beam scatter when no table drapes are present. Optional foot covers may be added (AP-FOOT).



(AP-FOOT)

## HALF APRON



|                       |  |
|-----------------------|--|
| <b>MODEL</b>          | AP-HA  |
| <b>CORE MATERIALS</b> | All Core Types (see page 12)                                     |
| <b>THICKNESS</b>      | 0.50 (standard), 0.35, 0.25mm LE                                 |
| <b>CLOSURE</b>        | Velcro   |
| <b>SIZING</b>         | SM: 10" x 10"<br>MD: 18" x 16"<br>LG: 24" x 20"<br>XL: 24" x 24" |
| <b>CUSTOMIZATIONS</b> | Embroidery and Logo  |
| <b>COLORS</b>         | Refer to fabric colors on pages 64-69                            |

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)   | Small - 4XL (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 (FEMALE) | XS: 30-33"   S: 33-36"                |
|                 | M: 37-40"   L: 41-44"                 |
|                 | XL: 44-48"                            |
| CUSTOMIZATIONS  | None                                  |
| COLORS          | Refer to fabric colors on pages 64-69 |

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.





# PEDIATRIC PROTECTION



## PEDIATRIC TIE APRON



|                       |  |
|-----------------------|--|
| <b>MODEL</b>          | AP-TA-CH   |
| <b>CORE MATERIALS</b> | All Core Types (see page 12)   |
| <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)<br>Medium: 14 x 26" (Ages 4-6)<br>Large: 16 x 28" (Ages 7-10) |
| <b>CUSTOMIZATIONS</b> | Embroidery and Logo  |
| <b>COLORS</b>         | Refer to fabric colors on pages 64-69  |
| <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 12)   |
| <b>THICKNESS</b>      | 0.50 (standard), 0.35, 0.25mm LE   |
| <b>CLOSURE</b>        | Velcro   |
| <b>SIZING</b>         | Small: 12 x 24" (Ages 1-3)<br>Medium: 14 x 26" (Ages 4-6)<br>Large: 16 x 28" (Ages 7-10) |
| <b>CUSTOMIZATIONS</b> | Embroidery and Logo  |
| <b>COLORS</b>         | Refer to fabric colors on pages 64-69  |
| <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 12)          |
| <b>THICKNESS</b>      | 0.50 (standard), 0.35, 0.25mm LE      |
| <b>CLOSURE</b>        | Velcro                                |
| <b>SIZING</b>         | Custom                                |
| <b>CUSTOMIZATIONS</b> | Embroidery and Logo                   |
| <b>COLORS</b>         | Refer to fabric colors on pages 64-69 |
| <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                              |
| <b>CORE MATERIALS</b> | All Core Types (see page 12)          |
| <b>THICKNESS</b>      | 0.50, 0.35, 0.25mm (standard) LE      |
| <b>CLOSURE</b>        | None                                  |
| <b>SIZING</b>         | Pediatric: 24" W x 23" L              |
| <b>CUSTOMIZATIONS</b> | Embroidery and Logo                   |
| <b>SPECIAL</b>        | Thyroid Collar (included)             |
| <b>COLORS</b>         | Refer to fabric colors on pages 64-69 |
| <b>CE</b>             | Yes                                   |

Features a non-slip microfiber material that ensures the apron lays in place over the patient. There are no closures. The thyroid collar is included.



## PEDIATRIC THYROID COLLAR



|                       |  |
|-----------------------|--|
| <b>MODEL</b>          | AP-TCP   |
| <b>CORE MATERIALS</b> | All Core Types (see page 12)                         |
| <b>THICKNESS</b>      | 0.50 (standard), 0.35, 0.25mm LE                     |
| <b>CLOSURE</b>        | Velcro   |
| <b>SIZING</b>         | Infant: 10" (Ages 2-4)<br>Pediatric: 12" (Ages 5-10) |
| <b>CUSTOMIZATIONS</b> | Embroidery and Logo                                  |
| <b>ATTACHMENTS</b>    | Loose, Clip, Keyring, Tethered                       |
| <b>COLORS</b>         | Refer to fabric colors on pages 64-69                |
| <b>CE</b>             | Yes  |

Available in either the standard or original style thyroid collars, our Pediatric Thyroid collar is designed to protect children ages 2 to 10 from harmful x-ray.



## PEDIATRIC GONAD SHIELD SET



|                       |   |
|-----------------------|---|
| <b>MODEL</b>          | AP-GONADSET2  |
| <b>CORE MATERIALS</b> | All Core Types (see page 12)  |
| <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"<br>1 Child: 5" x 4"<br>1 Small: 5.75" x 4.5" |
| <b>CUSTOMIZATIONS</b> | Embroidery and Logo   |
| <b>COLORS</b>         | Refer to fabric colors on pages 64-69                                   |
| <b>CE</b>             | Yes   |

This unique pediatric gonad/ovarian shield belt system comes complete with three interchangeable sizes which provide coverage from x-ray for a variety of needs. The adjustable Velcro or optional buckle (shown) also allows the user to fit almost any waist size. The gonad/ovarian belt system comes as a set of 3 sizes, or can be purchased individually.



## PEDIATRIC SCOLIOSIS STOLE



|                       |                                       |
|-----------------------|---------------------------------------|
| <b>MODEL</b>          | AP-STOLE-CH                           |
| <b>CORE MATERIALS</b> | All Core Types (see page 12)          |
| <b>THICKNESS</b>      | 0.50 (standard), 0.35, 0.25mm LE      |
| <b>CLOSURE</b>        | Buckle                                |
| <b>SIZING</b>         | Pediatric: 15" x 4.75"                |
| <b>CUSTOMIZATIONS</b> | Embroidery and Logo                   |
| <b>COLORS</b>         | Refer to fabric colors on pages 64-69 |
| <b>CE</b>             | Yes                                   |

The scoliosis stole is primarily used for spinal imaging. The shield features velcro 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



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

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



# APRON STORAGE

## EXTEND THE LIFE OF YOUR APRON

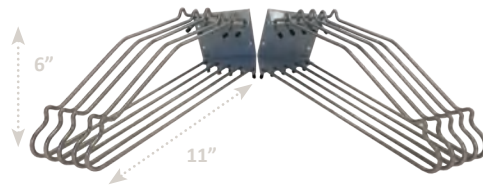
When not in use, garments should be placed on a hanger or stored using Protech's apron storage equipment. Avoid contact with hot surfaces or exposure to direct sunlight. Also avoid contact with sharp objects, as these may damage the garment's protective core material. For transportation, garments should be carefully rolled up, not folded, and placed into a box or Protech duffle bag.

### 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.

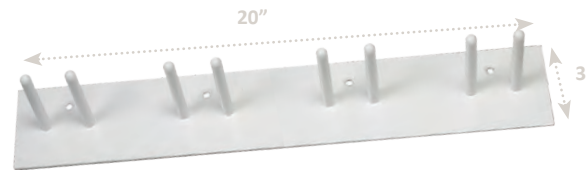


### PEG RACK

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.



| 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"    |

### 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.



## 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.



## APRON HANGER

MODEL: [ AS-HANGER ]

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.



## VALET RACK

MODEL: [ AS-VALET/VALET-VS ]

CAPACITY: UP TO 15 APRONS/10 APRONS(VS)

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



## APRON DUFFLE BAG

MODEL: [ AS-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" Velcro Opening, Carrying Handle & Shoulder Strap. For all color options, refer to pages 62-67.



# APRON MEASUREMENTS & SIZING

## 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.

## 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

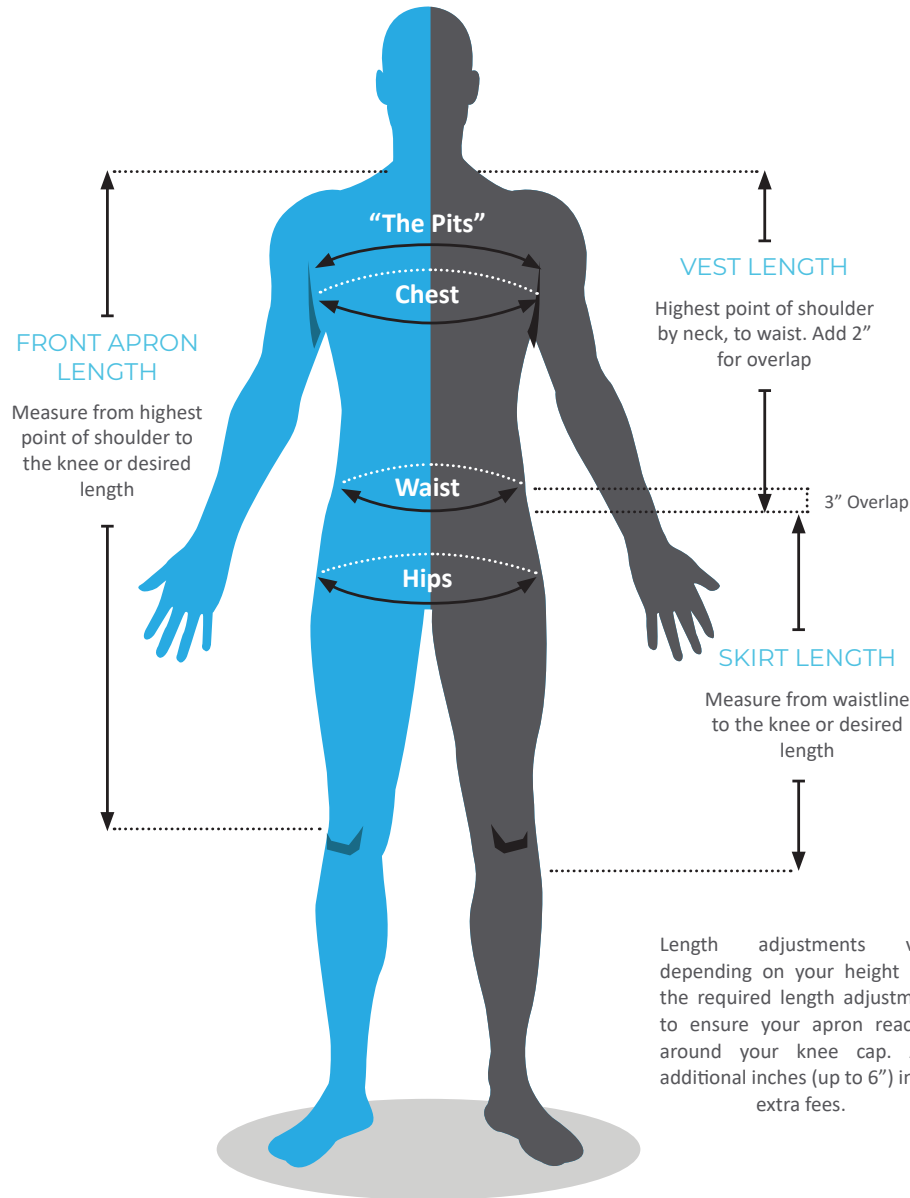


Measure from the top of the pant line (waist) and over the outside of the hip down to the desired length.



## ALL FRONTAL & WRAP APRONS

## TWO-PIECE VEST & SKIRT APRONS



**MEN**  
**WOMEN**  
**KIDS\***

|              | XS   | Small | Med  | Large | XL    | 2X   | 3X   |
|--------------|------|-------|------|-------|-------|------|------|
| Height       | 5'2" | 5'4"  | 5'8" | 5'11" | 6'2"+ |      |      |
| Chest        | 39"  | 42"   | 45"  | 48"   | 53"   | 57"  | 60"  |
| Waist        | 32   | 34    | 38   | 42    | 46    | 50   | 54   |
| Hips         | 34   | 36    | 40   | 44    | 48    | 52   | 56   |
| Front Length | 34   | 34    | 37   | 40.5  | 42.5  | 42.5 | 45.5 |
| Front Width  | 19   | 21    | 22   | 24    | 26    | 28   | 30   |
| Vest Length  | 22   | 22    | 24   | 25    | 25    | 25   | 28   |
| Skirt Length | 20   | 20    | 20   | 21    | 21    | 22   | 22   |
| WABR Length  | 36   | 36    | 38   | 40.5  | 42.5  | 42.5 | 45.5 |

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

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

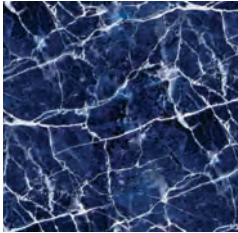
\*Velcro Adjustable & Tie Aprons

# FABRIC COLORS

## LIMITED EDITION PRINTS\*



Ankara Cloth  
#2000



Blue Marble  
#2010



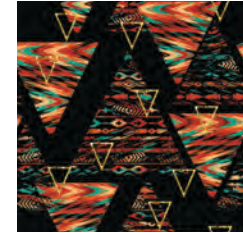
Body Positivity  
#2015



Exhaust-ed  
#2020



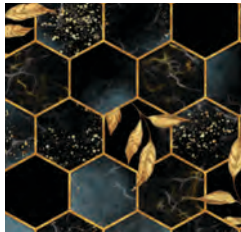
Galactic Kitties  
#2025



Geo Tribe  
#2030



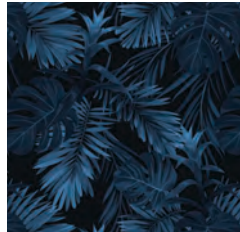
Grind my Gears  
#2035



Hex Yeah!  
#2040



Medically Necessary  
#2045



Midnight Jungle  
#2050



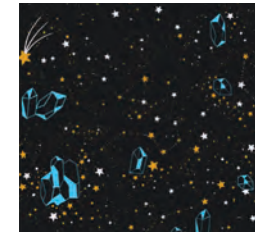
Party 'Till You're Dead  
#2070



Reel Time  
#2075



Stable Genius  
#2080



Stardate: 2022  
#2022



Starry Night  
#2090



Supernova  
#2095



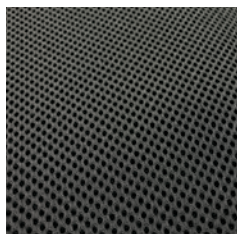
This Lead is Bananas  
#2005



Tropical Smoothie  
#2100

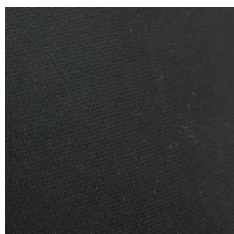


## COOLGUARD PERFORMANCE FABRICS\*



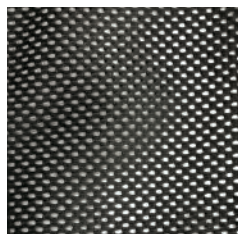
**Coolguard Air**  
#900

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



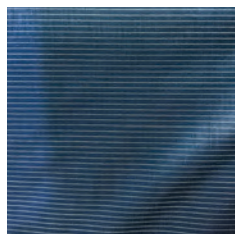
**Coolguard Spandex**  
#915

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.



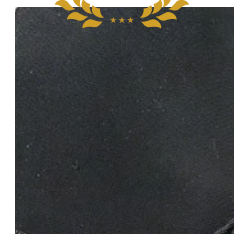
**Navy Pinstripe**  
#930

Anti-bacterial, anti-microbial, and anti-odor. Our lightest-weight fabric!



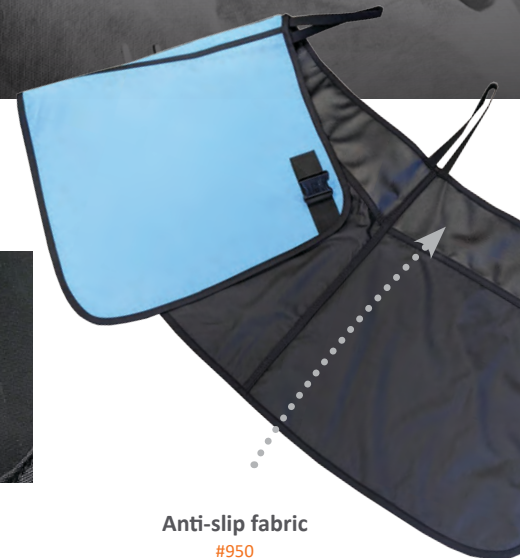
**Indigo**  
#925

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



**"Black Silk"**  
#920

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



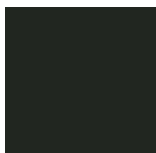
**Anti-slip fabric**  
#950

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

## SATINGUARD ANTI-MICROBIAL FABRICS\*



Featuring stain resistant and anti-microbial technology only available from Protech Medical. Our soft poly material will resist a wide variety of bacteria for several years.



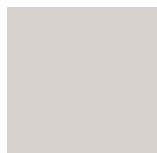
**Matte Black**  
#800



**Matte Bordeaux Red**  
#824



**Matte Cyan**  
#805



**Matte Light Gray**  
#815



**Matte Dark Gray**  
#813



**Matte Lilac**  
#817



**Matte Navy**  
#820



**Matte Fuschia**  
#810



**Matte Red**  
#825



**Matte Royal**  
#802



**Matte Dark Teal**  
#828



**Matte Light Teal**  
#830

\*Upcharge applies

## NYLONS

Unless specified otherwise, nylons come standard 210 denier.



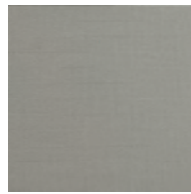
Black  
#100



Burgundy  
#105



Forest Green  
#110



Gray  
#115



Green  
#120



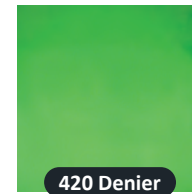
Hot Pink  
#125



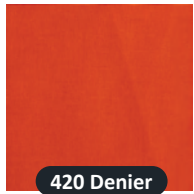
Marine Blue  
#135



Navy  
#140



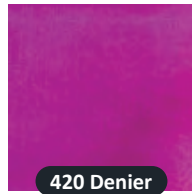
Neon Green  
#145



Orange  
#150



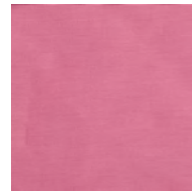
Purple  
#155



Raspberry  
#160



Red  
#165



Rose  
#170



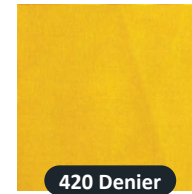
Royal  
#175



Tan  
#180



Teal  
#185



Yellow  
#190

## BINDING COLORS



Purple



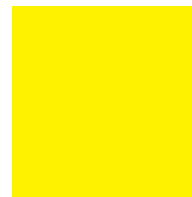
Burgundy



Red



Orange



Yellow



Green



Forest Green



Teal



Light Royal



Dark Royal



Navy Blue



Black



Gray



Tan



Rose



Hot Pink

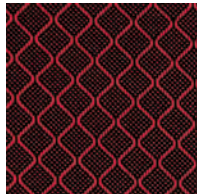
## RIPSTOP



Black  
#200



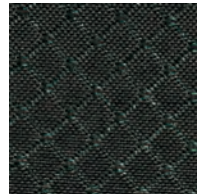
Brown  
#205



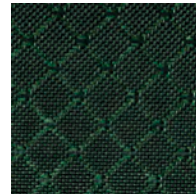
Burgundy  
#210



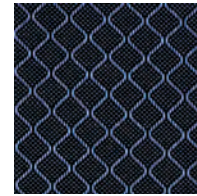
Chocolate  
#215



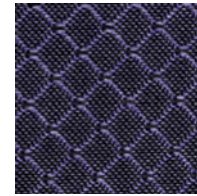
Forest Green  
#220



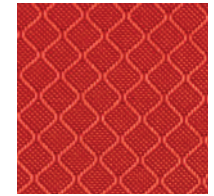
Green  
#225



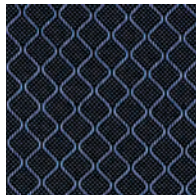
Navy  
#230



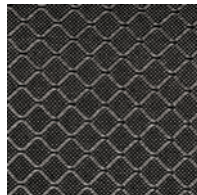
Purple  
#235



Red  
#240

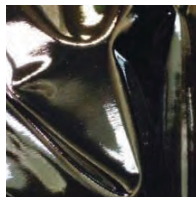


Royal Blue  
#245

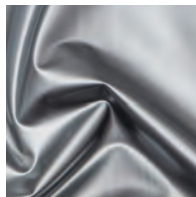


Silver  
#250

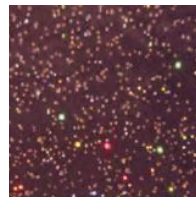
## WIPE-AWAY VINYL\*



Black  
#300



Silver  
#320



Burgundy  
Starlight  
#305

\*Upcharge applies

# CLASSIC PRINTS



70's Flowers  
#400



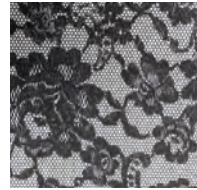
Animal Farm  
#405



Argyle Green  
#410



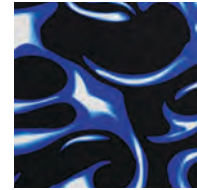
Asian Garden  
#415



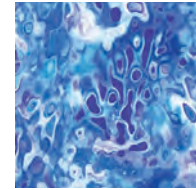
Black Lace  
#417



Blue Animal River  
#420



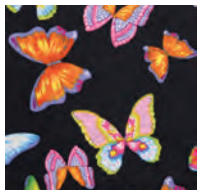
Blue Flame  
#425



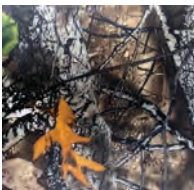
Blue Tranquility  
#430



Brown Animal Spots  
#435



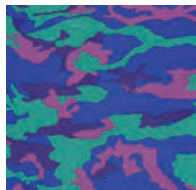
Butterfly  
#440



Camo - Backwoods  
#443



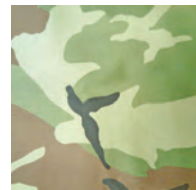
Camo - Brown  
#445



Camo - Cosmo  
#450



Camo - Digital Grey  
#455



Camo - Green  
#460



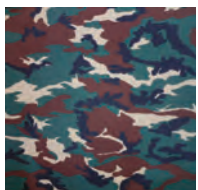
Camo - Pink  
#465



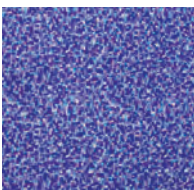
Camo - Small Blues  
#470



Camo - Small Pinks  
#475



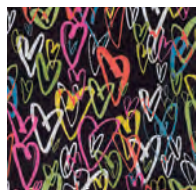
Camo - Yellow  
#480



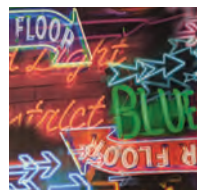
Chicklets Blue  
#490



Circles  
#495



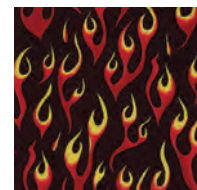
Crayon Hearts  
#500



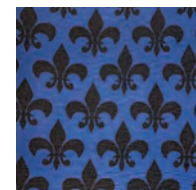
Divebar  
#502



Dog Paw  
#505



Fire Tongues  
#510



Fleur De Lis  
#512



Fruity Pebbles  
#515



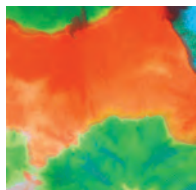
Galaxy - Multi  
#520



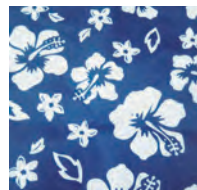
Galaxy - Royal  
#525



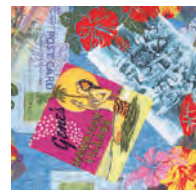
Giraffe - Brown  
#530



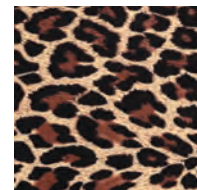
Green Neon Tie-Dye  
#540



Hawaiian  
#545



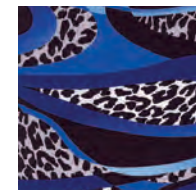
Hawaii Postcard  
#550



Leopard Print  
#560



Lu Lu Grape  
#565

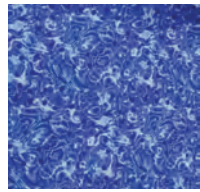


Mamba - Blue  
#575

# CLASSIC PRINTS



Mamba - Pink  
#580



Marble Splash  
#585



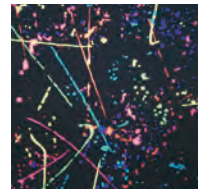
Mardi Gras  
#590



Mystery - Multi  
#595



Painted Dragon  
#600



Paint Splash  
#605



Paw Prints  
#610



Plaid - Blue  
#615



Plaid - Green  
#620



Plaid - Light Pink  
#625



Plaid - Purple  
#630



Plaid - Tan  
#635



Plaid - Teal  
#640



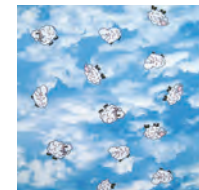
Purple Neon Tie-Dye  
#645



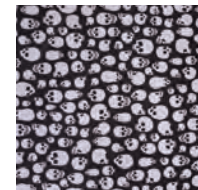
Rainbow  
#650



Red Dalmation  
#655



Sheep  
#665



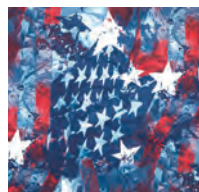
Skulls - Gray  
#670



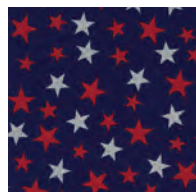
Skulls - Red  
#675



Snake Skin  
#680



Star Gazer  
#685



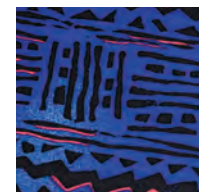
Stars  
#690



Steel  
#695



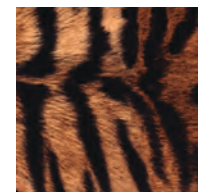
Sunrise  
#700



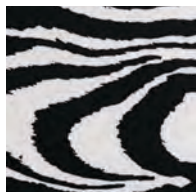
Surf Wax  
#705



Teal Splash  
#710



Tiger  
#715



Zebra  
#720

\*Upcharge applies

# 02

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Your eyes are 4 times more sensitive to radiation than other parts of your body. Leaded eyewear are intended to be worn by persons who are present in the operating room during medical procedures requiring the use of fluoroscopy. They are intended protect the eyes of the operator from x-ray radiation.

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# EYEWEAR

## QUALITY. SERVICE. INTEGRITY.

Protech Medical is one of the largest US-based leaded eyewear manufacturers in the world. Our licensed opticians handcraft each frame which are meticulously assembled and inspected with care.

Experience expert craftsmanship with Protech's leaded glasses, goggles, fitovers, faceshields, and prescription eyewear available in a variety of brand name and affordable options.

## WHO USES PROTECTIVE GLASSES?

Not too long ago, few doctors used leaded eyewear. With the increase in occurrences of early onset cataracts, lead glasses are now a staple in fluoroscopic procedures. Protective leaded eyewear is used by roughly **95% of physicians** and staff in the following vocations:



CARDIAC CATH



EP LABS



UROLOGY



INTERVENTIONAL  
RADIOLOGY



PAIN  
MANAGEMENT



ORTHOPEDIC  
SURGERY



## PROTECTION SUMMARY

Lead Equivalence - 0.50 or 0.75mm Pb

X-ray Tube Voltage - 60 kV – 150 kV IEC 61331-3:2014 Regulation (EU) 2016/425 Module B EU Type Examination

# OUR EYEWEAR BRANDS

The Ray-Ban logo, featuring the brand name in a classic, cursive script.The Oakley logo, consisting of a stylized 'O' with a horizontal line through it, above the word 'OAKLEY' in a bold, sans-serif font.The Rudy Project logo, featuring a stylized 'R' inside an oval, with the words 'RUDY PROJECT' below it.The Wiley X logo, featuring a stylized 'WX' with a trademark symbol, and the words 'WILEY X' below it.The Abaco Polarized logo, featuring a stylized sun or wave icon to the left of the words 'ABACO POLARIZED'.

"The typical interventional cardiologist gets exposed to 20 to 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*

# FRAME SIZING

## THE BREAKDOWN

### 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

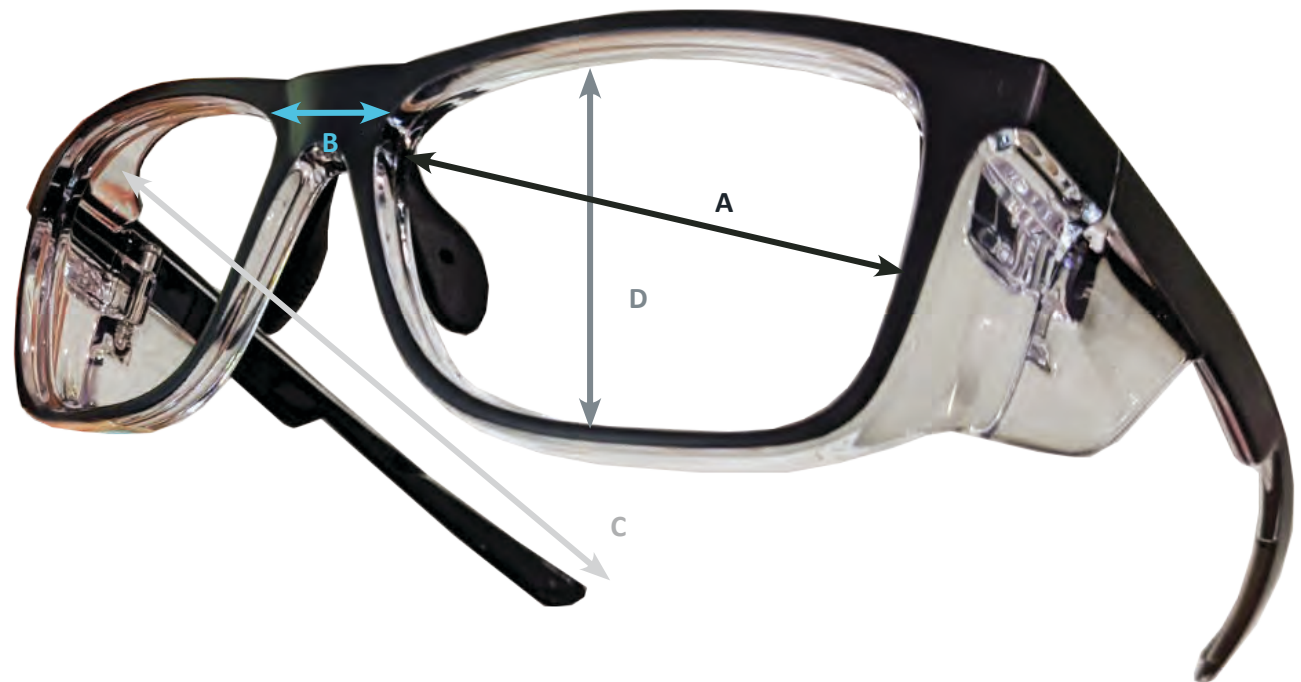
### TEMPLE SIZE

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



# YOUR PERFECT FRAME

## WHAT TO LOOK FOR

---

### 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 PADS

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 (optional)                |
| RX OPTIONS   | Single Vision, Bifocal, Progressive        |
| MIN PRG PD   | 64   58 (SM)                               |
| 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



|                     |  |
|---------------------|--|
| <b>MODEL</b>        | RE-9941/9941A/994153                         |
| <b>FRAME TYPE</b>   | Wraparound                                   |
| <b>FRONT LENS</b>   | 0.75mm Pb Glass                              |
| <b>WEIGHT</b>       | 64g   60g (994153)                           |
| <b>FRAME SIZE</b>   | 55-22-130   53-22-130 (994153)               |
| <b>MATERIAL</b>     | Nylon  |
| <b>SIDE SHIELDS</b> | 0.50mm Pb Strips (optional for regular size) |
| <b>RX OPTIONS</b>   | Single Vision, Bifocal, Progressive          |
| <b>MIN PRG PD</b>   | 64   58 (994153)                             |
| <b>CE</b>           | Yes  |
| <b>COLORS</b>       | Silver, Black, Red, Blue                     |

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



|                     |                                     |
|---------------------|-------------------------------------|
| <b>MODEL</b>        | RE-AIRB                             |
| <b>FRAME TYPE</b>   | Wraparound                          |
| <b>FRONT LENS</b>   | 0.75mm Pb Glass                     |
| <b>WEIGHT</b>       | 74.7g                               |
| <b>FRAME SIZE</b>   | 57-21-145                           |
| <b>MATERIAL</b>     | Polycarbonate                       |
| <b>SIDE SHIELDS</b> | 0.50mm Pb Strips (optional)         |
| <b>RX OPTIONS</b>   | Single Vision, Bifocal, Progressive |
| <b>MIN PRG PD</b>   | 62                                  |
| <b>CE</b>           | Yes                                 |
| <b>COLORS</b>       | 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 (standard) & optional extended side shield |
| RX OPTIONS   | Single Vision, Bifocal, Progressive               |
| MIN PRG PD   | 58  |
| 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 (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 |
| 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   | 58  |
| CE           | Yes   |
| COLORS       | Matte Blue, Matte Black, 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 attached side shield included                        |
| RX OPTIONS   | Single Vision, Bifocal, Progressive                            |
| MIN PRG PD   | 59   |
| CE           | Yes  |
| COLORS       | Matte Green, Matte Black, Matte Gray,<br>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 (standard) or 0.75mm Pb Glass |
| RX OPTIONS   | Single Vision, Bifocal, Progressive  |
| MIN PRG PD   | 62                                   |
| CE           | Yes                                  |
| COLORS       | 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 (Model 53A - Tortoise color only)

**Features:**

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



## MODERN METAL



|              |                                     |
|--------------|-------------------------------------|
| 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 (included)         |
| RX OPTIONS   | Single Vision, Bifocal, Progressive |
| MIN PRG PD   | 58                                  |
| CE           | Yes                                 |
| COLORS       | Gold, Light Gunmetal                |

The model 002 features a thin wire frame with contoured side shields. The ultra light-weight model 002 comes 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**



## 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 (included)         |
| RX OPTIONS   | Single Vision, Bifocal, Progressive |
| MIN PRG PD   | 64                                  |
| CE           | Yes                                 |
| COLORS       | Gold                                |

The Aviator frame is a bold edition to our leaded eyewear lineup. These frames have style and 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



## 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 (included)         |
| 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. This durable frame comes 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



## CLASSIC METAL

Rx

CE

|              |                                     |
|--------------|-------------------------------------|
| 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 (included)         |
| RX OPTIONS   | Single Vision, Bifocal, Progressive |
| MIN PRG PD   | 58                                  |
| CE           | Yes                                 |
| COLORS       | Gold, Nano blue                     |

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

Rx

CE

|              |                                     |
|--------------|-------------------------------------|
| 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 (included)         |
| RX OPTIONS   | Single Vision, Bifocal, Progressive |
| MIN PRG PD   | 58                                  |
| 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 (included)         |
| RX OPTIONS   | Single Vision, Bifocal, Progressive |
| MIN PRG PD   | 58                                  |
| 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 (included)         |
| RX OPTIONS   | Single Vision, Bifocal, Progressive |
| MIN PRG PD   | 62                                  |
| 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



## 42 FITOVER



|              |                  |
|--------------|------------------|
| MODEL        | RE-42BLK         |
| FRAME TYPE   | Fitovers         |
| FRONT LENS   | 0.75mm Pb Glass  |
| WEIGHT       | 92g              |
| FRAME SIZE   | 63-14-135        |
| MATERIAL     | Nylon            |
| SIDE SHIELDS | 0.50mm Pb Strips |
| RX OPTIONS   | N/A              |
| MIN PRG PD   | N/A              |
| CE           | Yes              |
| COLORS       | Black            |

The 42 fitover is made to wear over prescription eyewear that are wider or more rectangular in shape. It features a smaller vertical dimension than other fitover styles as well as 0.5mm Pb lead sheeting for side shields, thus decreasing the overall weight by approx. 20%.

**Features:**

- **Lightweight, smaller profile fitover for about 20% weight reduction**
- **Best for wider/rectangular prescription eyewear**



## 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 (standard) or 0.75mm Pb Glass |
| 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     | Nylon            |
| SIDE SHIELDS | 0.50mm Pb Strips |
| 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     | Nylon            |
| SIDE SHIELDS | 0.50mm Pb Strips |
| 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



|                     |                                    |
|---------------------|------------------------------------|
| <b>MODEL</b>        | 450FPM                             |
| <b>FRAME TYPE</b>   | Face Shields                       |
| <b>FRONT LENS</b>   | 0.10mm Pb Acrylic                  |
| <b>WEIGHT</b>       | 350g                               |
| <b>FRAME SIZE</b>   | Adjustable 20" - 25" circumference |
| <b>MATERIAL</b>     | N/A                                |
| <b>SIDE SHIELDS</b> | N/A                                |
| <b>MIN PRG PD</b>   | N/A                                |
| <b>CE</b>           | Yes                                |
| <b>COLORS</b>       | 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.



## PANORAMIC FACE SHIELD



|                     |                                    |
|---------------------|------------------------------------|
| <b>MODEL</b>        | 400PSM                             |
| <b>FRAME TYPE</b>   | Face Shields                       |
| <b>FRONT LENS</b>   | 0.10mm Pb Acrylic                  |
| <b>WEIGHT</b>       | 425g                               |
| <b>FRAME SIZE</b>   | Adjustable 20" - 25" circumference |
| <b>MATERIAL</b>     | N/A                                |
| <b>SIDE SHIELDS</b> | N/A                                |
| <b>MIN PRG PD</b>   | N/A                                |
| <b>CE</b>           | Yes                                |
| <b>COLORS</b>       | 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.



## 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                    |
| MIN PRG PD   | Single Vision, Bifocal, Progressive |
| CE           | 62                                  |
| COLORS       | Yes                                 |
|              | 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



|              |  |
|--------------|--|
| 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, Extended side shields (optional) |
| RX OPTIONS   | Single Vision, Bifocal, Progressive                |
| MIN PRG PD   | 64   |
| 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
  - Extended side shields
  - 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, Extended side shields (optional) |
| RX OPTIONS   | N/A  |
| MIN PRG PD   | N/A  |
| 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
- 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 (included) plus optional extended side shield |
| RX OPTIONS   | Single Vision, Bifocal, Progressive                     |
| MIN PRG PD   | 66  |
| 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 lead 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
- 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                    |
| 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        | RE-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   | 60                                  |
| 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

Rx

CE

|              |                                     |
|--------------|-------------------------------------|
| MODEL        | RE-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   | 60                                  |
| 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

Rx

CE

|              |                                     |
|--------------|-------------------------------------|
| MODEL        | RE-AB-KAI                           |
| FRAME TYPE   | Brand - Abaco                       |
| FRONT LENS   | 0.75mm Pb Glass                     |
| WEIGHT       | 65g                                 |
| FRAME SIZE   | 56-18-135                           |
| MATERIAL     | Polycarbonate                       |
| SIDE SHIELDS | 0.50mm Pb Strips                    |
| RX OPTIONS   | Single Vision, Bifocal, Progressive |
| MIN PRG PD   | 60                                  |
| 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 TIKI



|                     |                                     |
|---------------------|-------------------------------------|
| <b>MODEL</b>        | RE-AB-TIKI                          |
| <b>FRAME TYPE</b>   | Brand - Abaco                       |
| <b>FRONT LENS</b>   | 0.75mm Pb Glass                     |
| <b>WEIGHT</b>       | 70g                                 |
| <b>FRAME SIZE</b>   | 54-21-140                           |
| <b>MATERIAL</b>     | Polycarbonate                       |
| <b>SIDE SHIELDS</b> | N/A                                 |
| <b>RX OPTIONS</b>   | Single Vision, Bifocal, Progressive |
| <b>MIN PRG PD</b>   | 60                                  |
| <b>CE</b>           | Yes                                 |
| <b>COLORS</b>       | Dark Wood                           |

This classic style frame is made of a wood inspired, strong and lightweight polycarbonate. They feature characteristic rivets at the temples, standard hinges, and they are molded around the ears for added comfort. These unisex, universally flattering eyewear fit all faces from small to large.

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



## ABACO WAIKIKI



|                     |                                     |
|---------------------|-------------------------------------|
| <b>MODEL</b>        | RE-AB-WAI                           |
| <b>FRAME TYPE</b>   | Brand - Abaco                       |
| <b>FRONT LENS</b>   | 0.75mm Pb Glass                     |
| <b>WEIGHT</b>       | 68g                                 |
| <b>FRAME SIZE</b>   | 54-21-140                           |
| <b>MATERIAL</b>     | Polycarbonate                       |
| <b>SIDE SHIELDS</b> | N/A                                 |
| <b>RX OPTIONS</b>   | Single Vision, Bifocal, Progressive |
| <b>MIN PRG PD</b>   | 60                                  |
| <b>CE</b>           | Yes                                 |
| <b>COLORS</b>       | 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)**



## 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 (optional)         |
| RX OPTIONS   | Single Vision, Bifocal, Progressive |
| MIN PRG 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 (optional)                  |
| RX OPTIONS   | Single Vision, Bifocal, Progressive          |
| MIN PRG PD   | 64   |
| CE           | No   |
| COLORS       | Matte Black with Green, Matte Gray with 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 MAVERICK

Rx

|              |                                     |
|--------------|-------------------------------------|
| MODEL        | N-MAV                               |
| FRAME TYPE   | Brand - Nike                        |
| FRONT LENS   | 0.75mm Pb Glass                     |
| WEIGHT       | 70.3g                               |
| FRAME SIZE   | 59-15-145                           |
| MATERIAL     | Nylon                               |
| SIDE SHIELDS | N/A                                 |
| RX OPTIONS   | Single Vision, Bifocal, Progressive |
| MIN PRG PD   | 64                                  |
| CE           | No                                  |
| COLORS       | Matte Black                         |

Utilizing Nike's unique nose bridge design, the Maverick frame reduces fogging and maximizes comfort during long fluoroscopic procedures.

- Features:**
- Unique nose bridge design for fog reduction
  - Lightweight frame



## NIKE PREMIER

Rx

|              |   |
|--------------|---|
| 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   | 64  |
| CE           | No  |
| COLORS       | Matte Tortoise, 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



|              |                   |
|--------------|-------------------|
| MODEL        | N-RABID           |
| FRAME TYPE   | Brand - Nike      |
| FRONT LENS   | 0.75mm Pb Glass   |
| WEIGHT       | 63g               |
| FRAME SIZE   | 63-14-145         |
| MATERIAL     | Nylon             |
| SIDE SHIELDS | N/A               |
| RX OPTIONS   | None              |
| MIN PRG PD   | N/A               |
| CE           | Yes               |
| COLORS       | Matte Black/White |

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 (optional)                      |
| RX OPTIONS   | Single Vision, Bifocal, Progressive              |
| MIN PRG PD   | 56   |
| 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 (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   | 56                                  |
| 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 adrenalin. 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           | No  |
| COLORS       | Polished Clear, Satin Black, Matte Brown Tortoise |

The Oakley Holbrook frame combines traditional design with modern style and 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 | 0.50mm Side Strips (optional)       |
| RX OPTIONS   | Single Vision, Bifocal, Progressive |
| MIN PRG PD   | 66                                  |
| 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   | 60                                  |
| CE           | No                                  |
| 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 STRAIGHTLINK



|              |                   |
|--------------|-------------------|
| MODEL        | OA-STRGHT         |
| FRAME TYPE   | Brand - Oakley    |
| FRONT LENS   | 0.75mm Pb Glass   |
| WEIGHT       | 77.2g             |
| FRAME SIZE   | 61-19-130         |
| MATERIAL     | Durable O Matter™ |
| SIDE SHIELDS | N/A               |
| RX OPTIONS   | N/A               |
| MIN PRG PD   | N/A               |
| CE           | Yes               |
| COLORS       | Matte Black       |

Unobtainium® earsocks and nose pads increase grip with perspiration for a no slip grip. Three-Point Fit holds lenses in precise optical alignment while eliminating pressure points. O Matter™ stress-resistant frame material is both lightweight and durable for all-day comfort and protection.

**Features:**

- **Lightweight frame**
- **Optimised weight distribution and alignment**
- **Rubberized ear socks and nose pads for comfort and grip**



## 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 | N/A                                 |
| RX OPTIONS   | Single Vision, Bifocal, Progressive |
| MIN PRG PD   | 58                                  |
| CE           | Yes                                 |
| COLORS       | Polished Clear, Matte Black         |

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 (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 3534



|              |                 |
|--------------|-----------------|
| MODEL        | RB-3534         |
| FRAME TYPE   | Brand - Ray Ban |
| FRONT LENS   | 0.75mm Pb Glass |
| WEIGHT       | 63g             |
| FRAME SIZE   | 59-20-135       |
| MATERIAL     | Metal           |
| SIDE SHIELDS | N/A             |
| RX OPTIONS   | N/A             |
| MIN PRG PD   | N/A             |
| CE           | Yes             |
| COLORS       | Gunmetal, Black |

Originality and style come together with the 3534. The hardened metal frame is tough and sporty with a classic finish.

- Features:**
- Rubberized ear socks for added comfort and grip
  - Adjustable, silicone nose pads for personalized fit



## 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   | 65                                  |
| 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   | 65                                  |
| 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



Rx

## 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 | N/A                                 |
| RX OPTIONS   | Single Vision, Bifocal, Progressive |
| MIN PRG PD   | 65                                  |
| CE           | No                                  |
| 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 | N/A                |
| RX OPTIONS   | N/A                |
| MIN PRG PD   | N/A                |
| CE           | No                 |
| 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           | No              |
| 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. It can also be purchased with an added rim insert that holds less curved lenses, allowing for higher prescription options.

**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 (optional)          |
| RX OPTIONS   | N/A                                   |
| MIN PRG PD   | N/A                                   |
| 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
- 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 | N/A                             |
| 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 Pink, Shiny Blue, Shiny Green |

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 two types of side shields - glass and vinyl strips. **For both the vinyl strips and glass side shields, 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 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

RE-CASE



RE-CASE-LG-S



RE-CLEAN



RE-CLOTH



RE-STRAP



RE-STRAP2



ITEM CODE DESCRIPTION

| ITEM CODE    | DESCRIPTION                            |
|--------------|--|
| RE-CASE      | Honeycomb Hard Case                    |
| RE-CASE-LG-S | Soft Neoprene Case - Large             |
| 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                |

| Model                 | Size      | Base Curve | Weight (g) | Side Shields | CE | Material      | Frame Type | Prescription (Rx) Options |         |             |             |                | Included Accessories |
|-----------------------|-----------|------------|------------|--------------|----|---------------|------------|---------------------------|---------|-------------|-------------|----------------|----------------------|
|                       |           |            |            |              |    |               |            | Single Vision             | Bifocal | Progressive | Min. PRO PD | Powers         |                      |
| <b>Protech Frames</b> |           |            |            |              |    |               |            |                           |         |             |             |                |                      |
| <b>Fitovers</b>       |           |            |            |              |    |               |            |                           |         |             |             |                |                      |
| 42 Fitover            | 63-14-135 | 4BC 80     | 92         | Incl         | Y  | Plastic       | Fitover    | -                         | -       | -           | -           | -              | OEM: C, ST, CL       |
| 90 Fitover            | 66-14-120 | 4BC 80     | 112        | Incl         | Y  | Plastic       | Fitover    | -                         | -       | -           | -           | -              | OEM: C, ST, CL       |
| FitGuard Alpha        | 69-17-145 | 4BC 80     | 91         | Incl         | Y  | Nylon         | Fitover    | -                         | -       | -           | -           | -              | OEM: C, ST, CL       |
| FitGuard Beta         | 64-18-150 | 4BC 80     | 108        | Incl         | Y  | Nylon         | Fitover    | -                         | -       | -           | -           | -              | OEM: C, ST, CL       |
| <b>Goggles</b>        |           |            |            |              |    |               |            |                           |         |             |             |                |                      |
| 70s Astroflex         | 54-19-ADJ | 4BC 65     | 88         | Incl         | Y  | Polycarbonate | Goggle     | X                         | X       | X           | 62          | 8.00 to -9.00  | OEM: C, ST, CL       |
| Comet                 | 59-19-114 | 6BC 65     | 78.3       | Incl         | Y  | Polycarbonate | Goggle     | X                         | X       | X           | 64          | 8.00 to -9.00  | OEM: C, ST, CL       |
| Comet Economy         | 50-19-117 | 6BC 65     | 65         | Incl         | Y  | Polycarbonate | Goggle     | -                         | -       | -           | -           | -              | OEM: C, ST, CL       |
| LeadR                 | 58-15-135 | 6BC 65     | 76.7       | Incl         | Y  | Polycarbonate | Goggle     | X                         | X       | X           | 66          | 8.00 to -9.00  | OEM: C, ST, CL       |
| X Guard               | 58-18-135 | 6BC 65     | 81.8       | Incl         | Y  | Polycarbonate | Goggle     | X                         | X       | X           | 62          | 8.00 to -9.00  | OEM: C, ST, CL       |
| <b>Classic</b>        |           |            |            |              |    |               |            |                           |         |             |             |                |                      |
| 53 Wrap               | 58-16-135 | 4BC 65     | 84         | Incl         | Y  | Nylon         | Glasses    | X                         | X       | X           | 62          | 8.00 to -9.00  | OEM: C, ST, CL       |
| Malibu Wayfarer       | 54-20-155 | 4BC 65     | 68.1       | -            | Y  | Polycarbonate | Glasses    | X                         | X       | X           | 58          | 8.00 to -9.00  | OEM: C, ST, CL       |
| <b>Classic Metals</b> |           |            |            |              |    |               |            |                           |         |             |             |                |                      |
| 553s Metalite         | 50-18-140 | 4BC 65     | 62         | -            | Y  | Optical Steel | Glasses    | X                         | X       | X           | 58          | 8.00 to -9.00  | OEM: C, ST, CL       |
| 557s Metalite         | 48-20-135 | 4BC 65     | 63         | Incl         | Y  | Optical Steel | Glasses    | X                         | X       | X           | 58          | 8.00 to -9.00  | OEM: C, ST, CL       |
| 661 Metalite          | 52-18-144 | 4BC 65     | 54         | -            | Y  | Optical Steel | Glasses    | X                         | X       | X           | 62          | 8.00 to -9.00  | OEM: C, ST, CL       |
| 662s Metalite         | 52-18-145 | 4BC 65     | 70         | Incl         | Y  | Optical Steel | Glasses    | X                         | X       | X           | 62          | 8.00 to -9.00  | OEM: C, ST, CL       |
| Classic Metal         | 54-19-140 | 4 - 6      | 64         | Add          | Y  | Optical Steel | Glasses    | X                         | X       | X           | 58          | 8.00 to -9.00  | OEM: C, ST, CL       |
| Metal Aviators        | 54-17-150 | 4 - 6      | 82         | Add          | Y  | Optical Steel | Glasses    | X                         | X       | X           | 64          | 8.00 to -9.00  | OEM: C, ST, CL       |
| Modern Metal          | 48-20-135 | 4 - 6      | 73         | Add          | Y  | Optical Steel | Glasses    | X                         | X       | X           | 58          | 8.00 to -9.00  | OEM: C, ST, CL       |
| Petite Metal          | 52-22-150 | 4 - 6      | 63         | Add          | Y  | Optical Steel | Glasses    | X                         | X       | X           | 58          | 8.00 to -9.00  | OEM: C, ST, CL       |
| <b>Wrap-Around</b>    |           |            |            |              |    |               |            |                           |         |             |             |                |                      |
| 98                    | 63-15-120 | 8BC 73     | 63         | -            | Y  | Nylon         | Glasses    | -                         | -       | -           | -           | -              | OEM: C, ST, CL       |
| 99 Ultralite          | 61-18-140 | 6BC 65     | 67         | Add          | Y  | Nylon         | Glasses    | X                         | X       | X           | 64          | 8.00 to -9.00  | OEM: C, ST, CL       |
| 99 Ultralite Small    | 56-17-140 | 6BC 65     | 59.5       | -            | Y  | Nylon         | Glasses    | X                         | X       | X           | 58          | 8.00 to -9.00  | OEM: C, ST, CL       |
| 99 Ultralite Bridge   | 61-18-140 | 6BC 65     | 67         | Add          | Y  | Nylon         | Glasses    | X                         | X       | X           | 64          | 8.00 to -9.00  | OEM: C, ST, CL       |
| 9941 Ultralite        | 55-22-130 | 6BC 65     | 64         | Add          | Y  | Nylon         | Glasses    | X                         | X       | X           | 64          | 8.00 to -9.00  | OEM: C, ST, CL       |
| 9941-53 Ultralite SM  | 53-22-130 | 6BC 65     | 60         | -            | Y  | Nylon         | Glasses    | X                         | X       | X           | 58          | 9.00 to -10.00 | OEM: C, ST, CL       |
| 9941 UL w Nosepad     | 55-22-130 | 6BC 65     | 64         | Add          | Y  | Nylon         | Glasses    | X                         | X       | X           | 64          | 8.00 to -9.00  | OEM: C, ST, CL       |
| Airborne              | 57-21-145 | 4BC 65     | 74.7       | Add          | Y  | Polycarbonate | Glasses    | X                         | X       | X           | 62          | 8.00 to -9.00  | OEM: C, ST, CL       |
| Centrist              | 55-17-140 | 4BC 65     | 88         | Incl         | Y  | Nylon         | Glasses    | X                         | X       | X           | 58          | 8.00 to -9.00  | OEM: C, ST, CL       |
| Circuit               | 60-18-135 | 8BC 73     | 82.1       | Add          | Y  | Nylon         | Glasses    | -                         | -       | -           | -           | -              | OEM: C, ST, CL       |
| Mako                  | 65-15-130 | 8BC 73     | 69.3       | Incl         | Y  | Polycarbonate | Glasses    | -                         | -       | -           | -           | -              | OEM: C, ST, CL       |
| Onyx                  | 68-19-135 | 8BC 73     | 71.7       | -            | Y  | Polycarbonate | Glasses    | -                         | -       | -           | -           | -              | OEM: C, ST, CL       |
| Razer                 | 58-17-135 | 6BC 65     | 62.5       | Incl         | Y  | Polycarbonate | Glasses    | X                         | X       | X           | 59          | 8.00 to -9.00  | OEM: C, ST, CL       |
| <b>Kids</b>           |           |            |            |              |    |               |            |                           |         |             |             |                |                      |
| Tugga Baby            | 46-18     | 4BC 65     | 42         | -            | Y  | Polycarbonate | Glasses    | -                         | -       | -           | -           | -              | OEM: C, ST, CL       |

**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  
 STR = Straps  
 CL = Cloth  
 NB = Nose Bridge

|                             |            |            |            |              |    |                 |            |               | Prescription (Rx) Options |             |             |               |                      |  |
|-----------------------------|------------|------------|------------|--------------|----|-----------------|------------|---------------|---------------------------|-------------|-------------|---------------|----------------------|--|
| Model                       | Size       | Base Curve | Weight (g) | Side Shields | CE | Material        | Frame Type | Single Vision | Bifocal                   | Progressive | Min. PRO PD | Powers        | Included Accessories |  |
| <b>Abaco Brand</b>          |            |            |            |              |    |                 |            |               |                           |             |             |               |                      |  |
| Dockside                    | 58-19-135  | 6BC 65     | 72         | -            | Y  | Polycarbonate   | Glasses    | X             | X                         | X           | 60          | 8.00 to -9.00 |                      |  |
| Kai                         | 56-18-135  | 4BC 65     | 65         | Add          | Y  | Polycarbonate   | Glasses    | X             | X                         | X           | 60          | 8.00 to -9.00 |                      |  |
| Jesse                       | 56-18-142  | 6BC 65     | 68         | -            | Y  | Polycarbonate   | Glasses    | X             | X                         | X           | 60          | 8.00 to -9.00 |                      |  |
| Tiki                        | 54-21-140  | 6BC 65     | 70         | Add          | Y  | Polycarbonate   | Glasses    | X             | X                         | X           | 60          | 8.00 to -9.00 |                      |  |
| Waikiki                     | 54-21-140  | 4BC 65     | 68         | -            | Y  | Polycarbonate   | Glasses    | X             | X                         | X           | 60          | 8.00 to -9.00 |                      |  |
| <b>Nike Brand</b>           |            |            |            |              |    |                 |            |               |                           |             |             |               |                      |  |
| Brazen                      | 60-16-140  | 6BC 65     | 75         | Add          | Y  | Nylon           | Glasses    | X             | X                         | X           | 64          | 8.00 to -9.00 |                      |  |
| Brazen Fury                 | 60-17-130  | 6BC 65     | -          | Add          | Y  | Bioplastics     | Glasses    | X             | X                         | X           | 64          | 8.00 to -9.00 |                      |  |
| Maverick                    | 59-15-145  | 6BC 65     | 70.3       | -            | N  | Nylon           | Glasses    | X             | X                         | X           | 64          | 8.00 to -9.00 | BR: C OEM: ST        |  |
| Premier                     | 60-13-135  | 6BC 65     | 67.8       | -            | N  | Nylon           | Glasses    | X             | X                         | X           | 64          | 8.00 to -9.00 | OEM: C, ST, CL       |  |
| Rabid                       | 63-14-145  | 8BC 73     | 63         | -            | Y  | Nylon           | Glasses    | -             | -                         | -           | -           | -             |                      |  |
| 7118                        | 55-14-140  | 6BC 65     | -          | -            | N  | Bioplastics     | Glasses    | -             | -                         | -           | -           | -             |                      |  |
| <b>Liberty Brand</b>        |            |            |            |              |    |                 |            |               |                           |             |             |               |                      |  |
| Maxx 30 (small)             | 53-17-130  | 6BC 65     | 60         | Add          | Y  | Polycarbonate   | Glasses    | X             | X                         | X           | 56          | -             |                      |  |
| Maxx 30 (regular)           | 55-20-130  | 6BC 65     | 69         | Add          | Y  | Polycarbonate   | Glasses    | X             | X                         | X           | 56          | -             |                      |  |
| Maxx 31 (small)             | 53-17-130  | 6BC 65     | 60         | Add          | Y  | Polycarbonate   | Glasses    | X             | X                         | X           | 56          | -             |                      |  |
| Maxx 31 (regular)           | 55-20-130  | 6BC 65     | 64         | Add          | Y  | Polycarbonate   | Glasses    | X             | X                         | X           | 56          | -             |                      |  |
| <b>Oakley Brand</b>         |            |            |            |              |    |                 |            |               |                           |             |             |               |                      |  |
| Crosslink Zero              | 58-16-138  | 6BC 65     | 61.6       | -            | Y  | O Matter        | Glasses    | X             | X                         | X           | 56          | 8.00 to -9.00 |                      |  |
| Five Squared                | 54-20-135  | 8BC 73     | 71         | -            | Y  | O Matter        | Glasses    | -             | -                         | -           | -           | -             |                      |  |
| Holbrook                    | 56-18-135  | 6BC 65     | 66.5       | -            | N  | O Matter        | Glasses    | X             | X                         | X           | 60          | 8.00 to -9.00 |                      |  |
| Jupiter Squared             | 56-18-135  | 6BC 65     | 74.1       | -            | N  | O Matter        | Glasses    | X             | X                         | X           | 66          | 8.00 to -9.00 |                      |  |
| Litebeam                    | 55-18-140  | 4BC 65     | 59.6       | -            | N  | O Matter        | Glasses    | X             | X                         | X           | 60          | 8.00 to -9.00 |                      |  |
| Straightlink                | 61-19-130  | 8BC 73     | 77.2       | -            | Y  | O Matter        | Glasses    | -             | -                         | -           | -           | -             |                      |  |
| Trillbe X                   | 52-18-140  | 4BC 65     | 63.9       | -            | Y  | O Matter        | Glasses    | X             | X                         | X           | 58          | 8.00 to -9.00 |                      |  |
| <b>Ray ban Brand</b>        |            |            |            |              |    |                 |            |               |                           |             |             |               |                      |  |
| Daddy-O 2016                | 59-17-125  | 6BC 65     | 61         | Add          | Y  | Acetate         | Glasses    | X             | X                         | X           | 65          | 8.00 to -9.00 |                      |  |
| 3534                        | 59-20-135  | 6BC 65     | 63         | -            | Y  | Metal           | Glasses    | -             | -                         | -           | -           | -             |                      |  |
| 4105                        | 50-23-140  | 6BC 65     | 62         | -            | Y  | Nylon           | Glasses    | X             | X                         | X           | 65          | 8.00 to -9.00 |                      |  |
| 4165F Justin                | 55-18-145  | 6BC 65     | 73         | -            | Y  | Nylon           | Glasses    | X             | X                         | X           | 65          | 8.00 to -9.00 |                      |  |
| 4181                        | 57-16-145  | 6BC 65     | 71.4       | -            | N  | Acetate         | Glasses    | X             | X                         | X           | 65          | 8.00 to -9.00 |                      |  |
| 7047                        | 54-17-140  | 4BC 65     | 63         | -            | N  | Acetate         | Glasses    | -             | -                         | -           | -           | -             |                      |  |
| <b>Wiley X Brand</b>        |            |            |            |              |    |                 |            |               |                           |             |             |               |                      |  |
| Airrage                     | 61-18-124  | 8BC 73     | 67.5       | -            | N  | Polycarbonate   | Glasses    | -             | -                         | -           | -           | -             | BR: C, STR, CL       |  |
| Boss                        | 68-18-125  | 8BC 73     | 84.5       | -            | Y  | Polycarbonate   | Glasses    | -             | -                         | -           | -           | -             |                      |  |
| Brick                       | 63-18-120  | 8BC 73     | 74         | -            | Y  | Polycarbonate   | Glasses    | -             | -                         | -           | -           | -             |                      |  |
| Contour                     | 54-17-140  | 4BC 65     | 62.3       | Incl         | Y  | Nylon           | Glasses    | X             | X                         | X           | 60          | 8.00 to -9.00 |                      |  |
| P-17                        | 60-18-125  | 8BC 73     | 68         | -            | Y  | Polycarbonate   | Glasses    | -             | -                         | -           | -           | -             |                      |  |
| <b>Face Shields / Masks</b> |            |            |            |              |    |                 |            |               |                           |             |             |               |                      |  |
| 450FPM                      | Adjustable | -          | 350g       | -            | Y  | Plastic/Acrylic | Mask       | -             | -                         | -           | -           | -             |                      |  |
| 400PSM                      | Adjustable | -          | 425g       | -            | Y  | Plastic/Acrylic | Mask       | -             | -                         | -           | -           | -             |                      |  |

Doc # RE.A3 v11

7.18.2022

**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:**

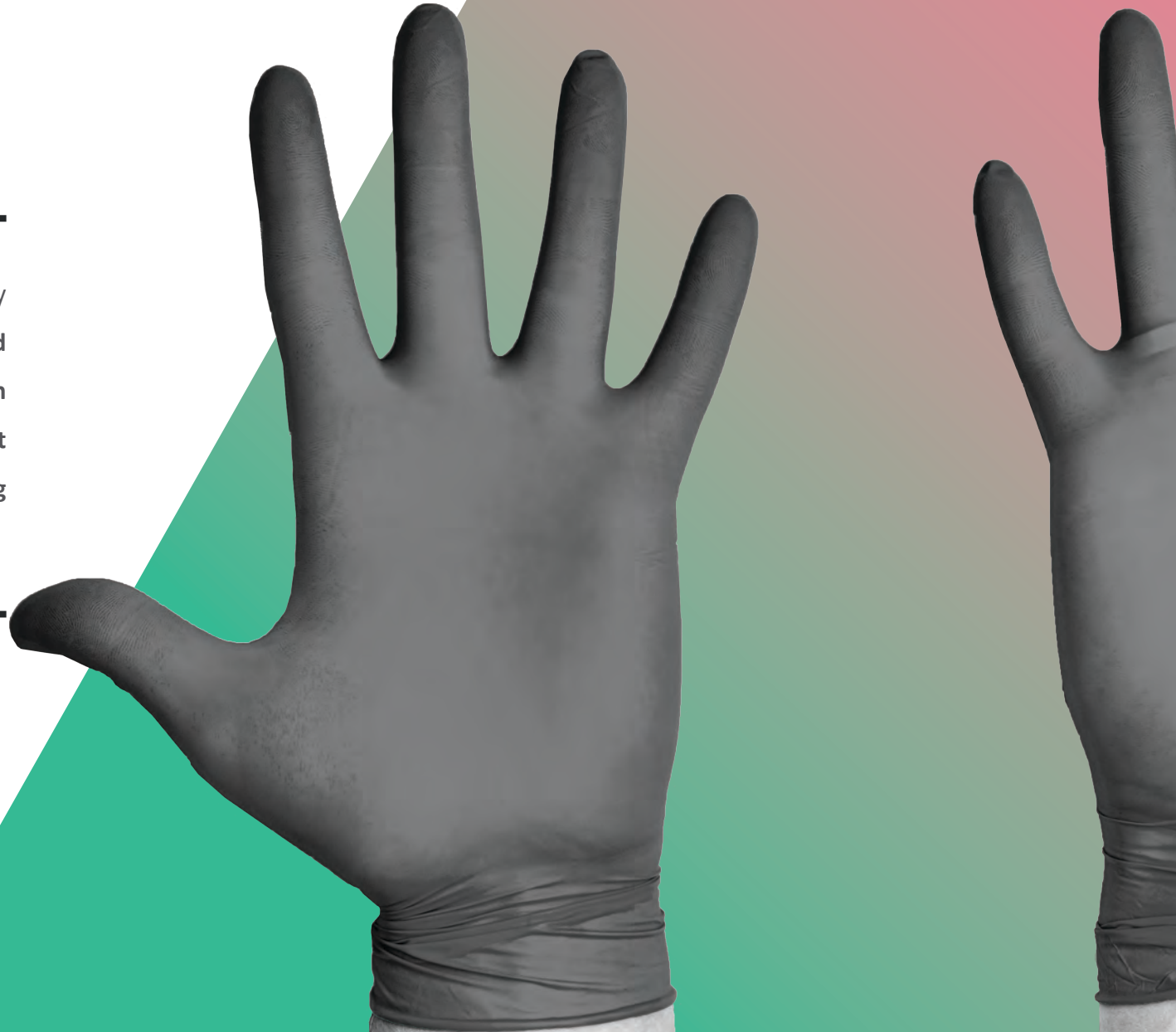
C = Case  
STR = Straps  
CL = Cloth  
NB = Nose Bridge

# 03

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A study by the National Center for Biotechnology Information concluded that: **A healthcare worker could receive more than twice the annual limit of radiation exposure simply by holding the head of a trauma patient four times per week with unshielded hands during cervical spine radiography.**

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# GLOVES

## QUALITY. SERVICE. INTEGRITY.

The Proguard family of products comprises the most technically advanced gloves with a 30 year proven record in quality and comfort. Our comprehensive range of gloves has carefully expanded to meet the growing needs of healthcare professionals.

The Proguard glove brand focuses on uniquely balancing tactile sensitivity, protection, and comfort in a way no others can. With a commitment to performance and safety, there is no room for compromise. In addition to our fluoroscopic procedure gloves, we have multiple patient positioning and veterinary style gloves available in various protection options 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         | Ethilene Oxide | No    | No     | PPE | Yes |
| Dry Natural Rubber |                |       |        |     |     |

| Models | 60 kVp | 80 kVp | 100 kVp | 120 kVp | Thickness       |
|--------|--------|--------|---------|---------|-----------------|
| RR1    | 50%    | 42%    | 37%     | 33%     | 0.24mm ± 0.02mm |
| RR2    | 58%    | 50%    | 45%     | 41%     | 0.28mm ± 0.02mm |
| RR3    | 73%    | 65%    | 57%     | 52%     | 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 |



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<br>Dry Natural Rubber | Ethilene Oxide | No    | No     | PPE | No |

| Models | 60 kVp | 80 kVp | 100 kVp | 120 kVp | Thickness       |
|--------|--------|--------|---------|---------|-----------------|
| RR-SLV | 59%    | 51%    | 45%     | 42%     | 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

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





**Latex Free/  
Hypoallergenic**



**Premium  
Lead**



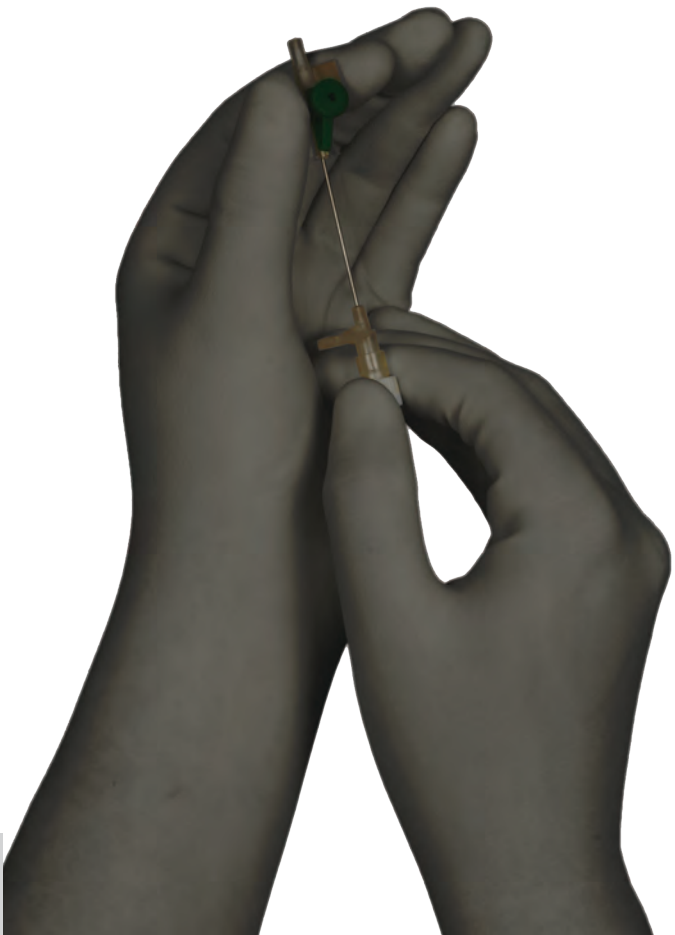
**Single Use  
Only**

# 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)<br>Polyisoprene | Ethylene Oxide | No    | No     | PPE | Pending |

| Models | 60 kVp | 80 kVp | 100 kVp | 120 kVp | Thickness       |
|--------|--------|--------|---------|---------|-----------------|
| E1     | 46%    | 37%    | 30%     | 24%     | 0.24mm ± 0.03mm |
| E2     | 54%    | 44%    | 36%     | 30%     | 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 | PG2 ]

| COMPOSITION                | STERILIZED     | LATEX | POWDER | FDA | CE      |
|----------------------------|----------------|-------|--------|-----|---------|
| Lead Oxide<br>Polyisoprene | Ethilene Oxide | No    | No     | PPE | Pending |

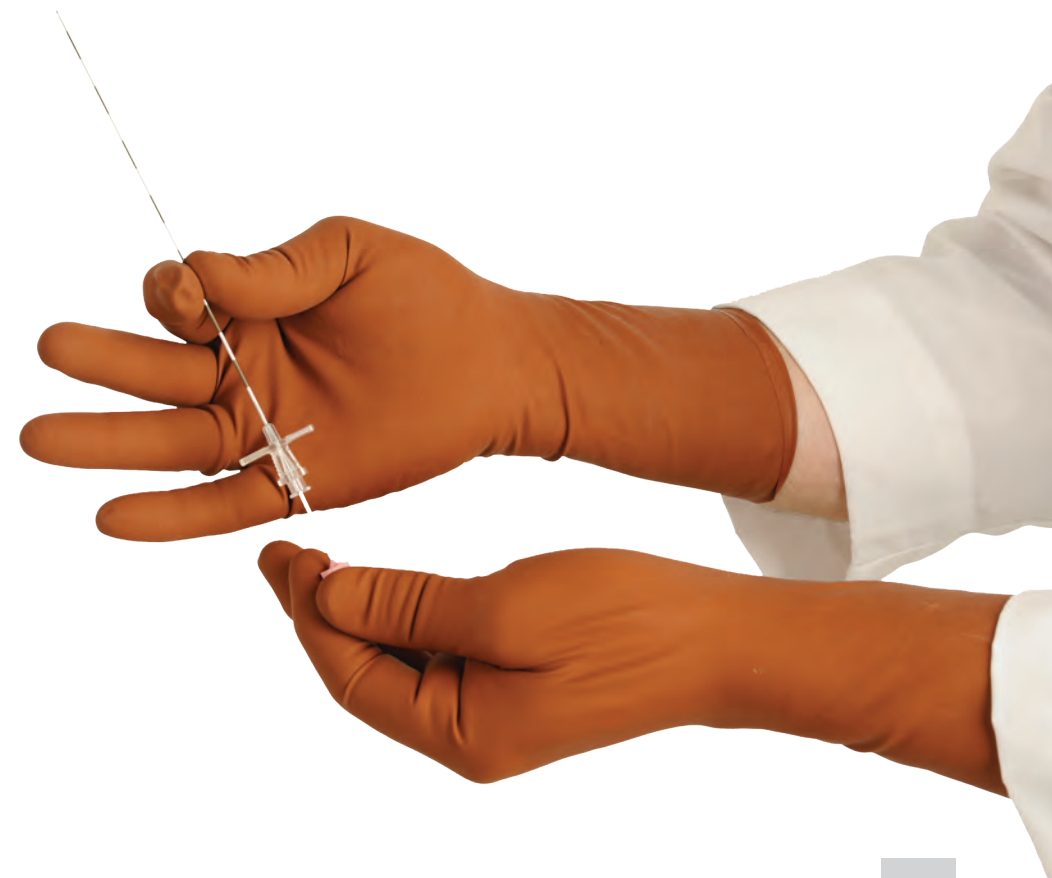
The Proguard Plus achieves surgical grade performance by combining the quality and characteristics of the original Protech Proguard glove with premium, latex-free polyisoprene. Rich textures, versatile grip, and maximum protection provide unrivaled tactile sensitivity and security.


| Models | 60 kVp | 80 kVp | 100 kVp | 120 kVp | Thickness       |
|--------|--------|--------|---------|---------|-----------------|
| PG1    | 50%    | 42%    | 37%     | 33%     | 0.24mm ± 0.02mm |
| PG2    | 54%    | 44%    | 36%     | 30%     | 0.28mm ± 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 |






**Latex Free/  
Hypoallergenic**




**Premium  
Lead**



**High Tactile  
Sensitivity**



**Slip Coat  
Technology**



**Single Use  
Only**

## ANGIOGRAPHIC LEAD GLOVES



|                       |                      |
|-----------------------|----------------------|
| <b>MODEL</b>          | AP-ANGIO             |
| <b>CORE MATERIALS</b> | Lead                 |
| <b>THICKNESS</b>      | 0.50mm LE (standard) |
| <b>SIZING</b>         | One size fits all    |
| <b>CUSTOMIZATIONS</b> | None                 |
| <b>FEATURES</b>       | Sold as a pair       |
| <b>COLORS</b>         | Black Leatherette    |
| <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 12)          |
| <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>         | Refer to fabric colors on pages 64-69 |
| <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 12)          |
| <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>         | Refer to fabric colors on pages 64-69 |
| <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

## BARRIERS, DRAPES AND SHIELDS

Protech manufactures a comprehensive line of x-ray protective barriers, windows, and other leaded shield products. From fully custom lead doors to unique windows and overhead barriers, Protech has the expertise to meet your needs.

Many of the mobile barriers on the market restrict viewing due to large opaque panels. Protech Medical pioneered a new method of producing barriers. First, instead of glass, we use a light-weight lead acrylic which is substantially more durable. We also made sure the acrylic made up most of the barrier with only a small opaque panel. This new, clean looking design is lightweight and provides an excellent field of vision.

In line with our commitment to quality, most Protech barriers and components (acrylic, aluminum/steel) are produced in the USA.

## FULL MOBILE BARRIER

|                      |                               |
|----------------------|-------------------------------|
| MODEL                | MB-FULL / MB-FULL-GL (glass)  |
| COMPOSITION          | Bismuth Acrylic or Lead Glass |
| PROTECTION (ACRYLIC) | 0.50mm LE                     |
| PROTECTION (GLASS)   | 1.60mm - 2.00mm LE            |
| PROTECTION (BASE)    | 0.50mm LE (standard)          |
| WINDOW DIMENSIONS    | 55" H x 28" W                 |
| FULL DIMENSIONS      | 72" H x 28" W                 |
| CE                   | No                            |

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 MOBILE BARRIER

|                      |                               |
|----------------------|-------------------------------|
| MODEL                | MB-HALF / MB-HALF-GL (glass)  |
| COMPOSITION          | Bismuth Acrylic or Lead Glass |
| PROTECTION (ACRYLIC) | 0.50mm LE                     |
| PROTECTION (GLASS)   | 1.60mm LE                     |
| PROTECTION (BASE)    | 0.50mm LE (standard)          |
| WINDOW DIMENSIONS    | 24" H x 28" W                 |
| FULL DIMENSIONS      | 48" H x 28" W                 |
| CE                   | No                            |

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.

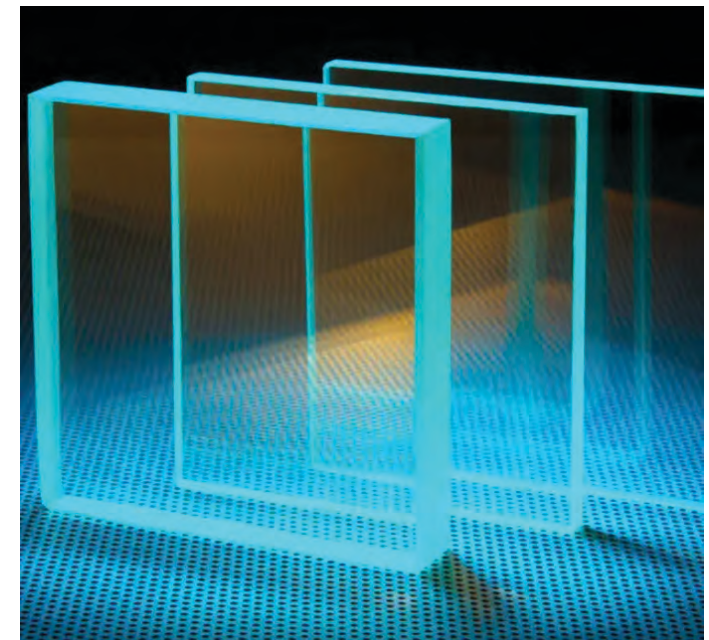


Acrylic and lead sheeting  
made in the USA

# CORNING MED-X LEAD GLASS

|                                  |                                    |
|----------------------------------|------------------------------------|
| MODEL                            | SEE BELOW                          |
| COMPOSITION                      | Lead (52%) and Barium (17%)        |
| THICKNESS                        | From 4mm up to 20mm                |
| PROTECTION                       | From 1.4 up to 6.0mm Pb            |
| DIMENSIONS                       | Custom dimensions up to 54" x 108" |
| DENSITY                          | 4.8 g/cm <sup>3</sup>              |
| REFRACTIVE INDEX                 | 1.76                               |
| TRANSMISSION %                   | ≥85.0 (@ 550nm through 5mm path)   |
| KNOOP HARDNESS                   | 409 kg/mm <sup>2</sup>             |
| YOUNG'S MODULUS                  | 62.6 GPa                           |
| TORSION MODULUS                  | 24.8 GPa                           |
| POISSON'S RATIO                  | 0.26                               |
| COEFFICIENT OF THERMAL EXPANSION | 78.8 (x10 <sup>-7</sup> / °C)      |

Corning is a world leader in Radiation Shielding glass offering some of the largest glass sizes available! High barium and lead content provide optimum protection with excellent visual clarity. Corning glass shields against x-rays from equipment operating in the 80 to 300 kV range.



| Model      | GL-1012   | GL-1212   | GL-1218   | GL-1224   | GL-2424   | GL-2430   | GL-2436   | GL-3048   | GL-3060   |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Dimensions | 10" x 12" | 12" x 12" | 12" x 18" | 12" x 24" | 24" x 24" | 24" x 30" | 24" x 36" | 30" x 48" | 30" x 60" |

These are just some sample dimensions. You can customize your radiation shielding glass to your own specifications!

## ADJUSTABLE BARRIER

|                          |                                       |
|--------------------------|---------------------------------------|
| <b>MODEL</b>             | MB-ADJ                                |
| <b>CORE MATERIAL</b>     | All Core Types (see page 12)          |
| <b>THICKNESS</b>         | 0.50 (standard), 0.35, 0.25mm LE      |
| <b>DIMENSIONS</b>        | 24" W x 48" H                         |
| <b>HEIGHT ADJUSTMENT</b> | 24" to 48" H                          |
| <b>CE</b>                | No                                    |
| <b>COLORS</b>            | Refer to fabric colors on pages 64-69 |
|                          |                                       |
|                          |                                       |
|                          |                                       |

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.

**Velcro-lined for improved adjustability!**



## PORTA SHIELD

|                          |                                       |
|--------------------------|---------------------------------------|
| <b>MODEL</b>             | MB-PORTA                              |
| <b>CORE MATERIAL</b>     | All Core Types (see page 12)          |
| <b>THICKNESS</b>         | 0.50 (standard), 0.35, 0.25mm LE      |
| <b>DIMENSIONS</b>        | 24" W x 24-36" H                      |
| <b>HEIGHT ADJUSTMENT</b> | 34" - 60" (stand height)              |
| <b>CE</b>                | No                                    |
| <b>COLORS</b>            | Refer to fabric colors on pages 64-69 |
|                          |                                       |
|                          |                                       |
|                          |                                       |

The graduated 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 velcro 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 12)          |
| <b>THICKNESS</b>         | 0.50 (standard), 0.35, 0.25mm LE      |
| <b>DIMENSIONS</b>        | 24" W x 17-36" H                      |
| <b>HEIGHT ADJUSTMENT</b> | 34" - 60" (stand height)              |
| <b>CE</b>                | No                                    |
| <b>COLORS</b>            | Refer to fabric colors on pages 64-69 |
|                          |                                       |
|                          |                                       |
|                          |                                       |
|                          |                                       |

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 velcro which enable easy removal for cleaning.



## 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>           | No                         |
| <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>           | No                          |
| <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 ROUNDED

|                     |                            |
|---------------------|----------------------------|
| <b>MODEL</b>        | MB-MOB-03                  |
| <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>           | No                         |
| <b>SPECIAL</b>      | Rounded 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 ROUNDED W/ CURTAIN

|                     |                             |
|---------------------|-----------------------------|
| <b>MODEL</b>        | MB-MOB-04                   |
| <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>           | No                          |
| <b>SPECIAL</b>      | Rounded 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.



# TABLE DRAPES

|                       |                                       |
|-----------------------|---------------------------------------|
| <b>MODEL</b>          | SEE BELOW                             |
| <b>CORE MATERIAL</b>  | All Core Types (see page 12)          |
| <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>             | No                                    |
| <b>COLORS</b>         | Refer to fabric colors on pages 64-69 |
|                       |                                       |
|                       |                                       |
|                       |                                       |

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 Velcro strips to adhere to the side of your imaging table. The double-sided drape features a saddlebag design for a secure fit to any style imaging table. Protech specializes in creating custom designed drapes and curtains per customer specifications. We love a challenge!

Double-Sided



| Drape Dimensions | Model (SINGLE-SIDED) | Model (DOUBLE-SIDED) |
|------------------|----------------------|----------------------|
| 48" x 24"        | TA-TS:4824           | TA-TD:4824           |
| 48" x 28"        | TA-TS:4828           | TA-TD:4828           |
| 48" x 32"        | TA-TS:4832           | TA-TD:4832           |
| 48" x 36"        | TA-TS:4836           | TA-TD:4836           |
| 36" x 24"        | TA-TS:3624           | TA-TD:3624           |
| 36" x 28"        | TA-TS:3628           | TA-TD:3628           |
| 36" x 36"        | TA-TS:3636           | TA-TD:3636           |

Single-Sided





## ANESTHESIA FRONT PANEL

|                       |                                       |
|-----------------------|---------------------------------------|
| <b>MODEL</b>          | SEE BELOW                             |
| <b>CORE MATERIAL</b>  | All Core Types (see page 12)          |
| <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>             | No                                    |
| <b>COLORS</b>         | Refer to fabric colors on pages 64-69 |
|                       |                                       |
|                       |                                       |
|                       |                                       |
|                       |                                       |

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. It provides protection against scatter radiation for your lower body and is designed to not obstruct positioning of the C-arm.



| Front Panel Dimensions | Model (SINGLE-SIDED) |
|------------------------|----------------------|
| 22" x 24"              | TS/2224FP            |
| 22" x 26"              | TS/2226FP            |
| 22" x 28"              | TS/2228FP            |
| 22" x 32"              | TS/2232FP            |
| 22" x 36"              | TS/2236FP            |
| 24" x 24"              | TS/2424FP            |
| 24" x 36"              | TS/2436FP            |

# 05

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Scatterguard patient drapes are a **weightless and disposable form of protection against scatter radiation**. To ensure the best possible quality and protection, Scatterguard products are manufactured in a CLASS 10,000 clean room.

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# SCATTERGUARD DRAPES

Protech is proud to offer a line of disposable products that protect doctors and technicians alike from the harmful effects of exposure to radiation while reducing the occurrence of biological contamination. ScatterGuard is comprised of disposable Smart Caps (head protection), and disposable ScatterGuard Drapes.



# SCATTER RADIATION

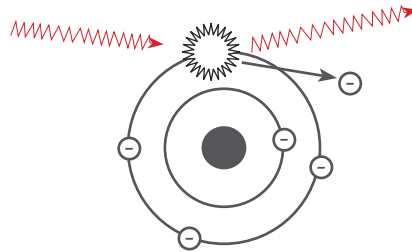
## VERSUS DIRECT BEAM RADIATION

### 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



### VERSUS

### 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

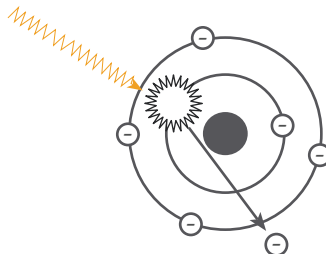


Image intensifiers have enabled surgeons to become technically more proficient and decrease the morbidity of the patient by minimizing area of operative field and decreasing operative time. Some over-use fluoroscopy, forgetting the principles of radiation protection, while others under-use it due to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



## THE EFFECTS OF SCATTER

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].

## WHO IS AT RISK?

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).

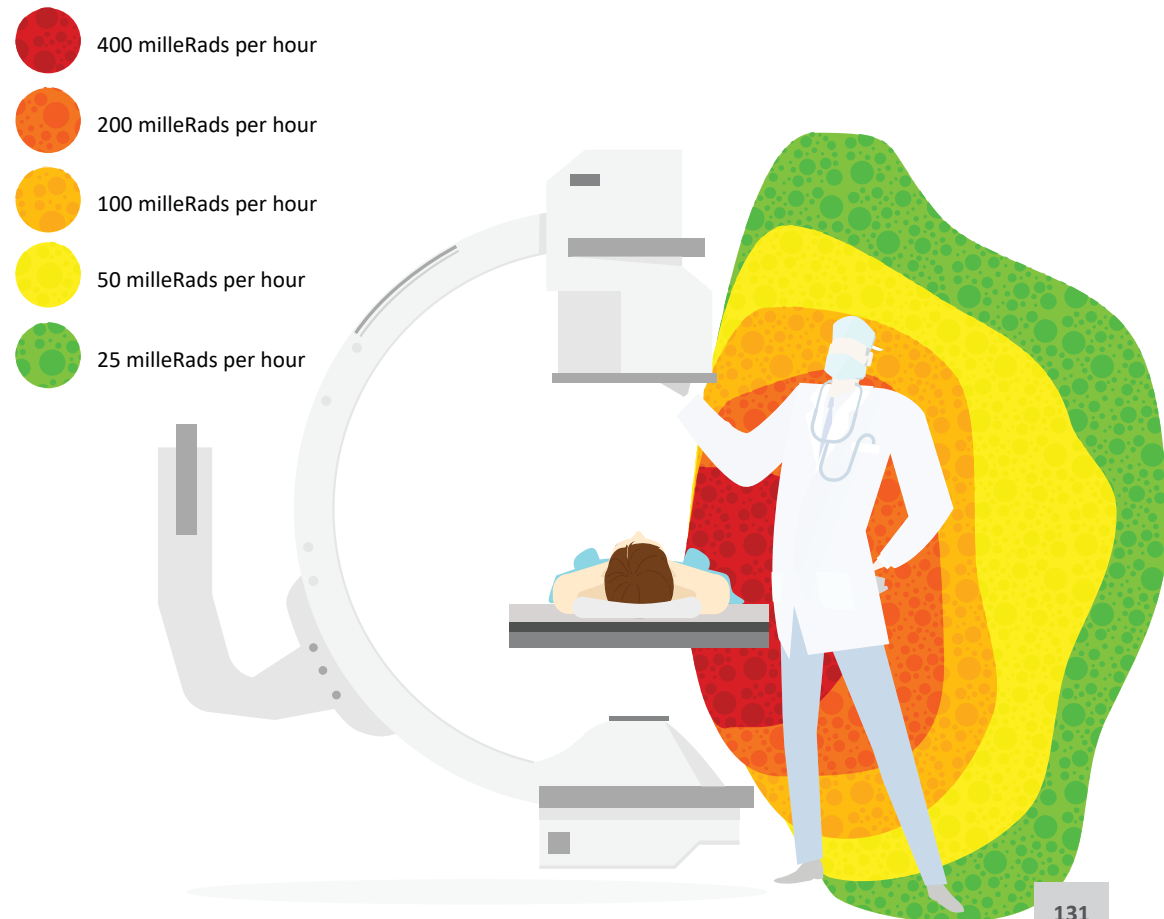
[1] – International Atomic Energy Agency

[2] - National & International Conferences on Radiation Protection

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

## WEAR PROTECTION!

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]





# PATIENT DRAPES

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

Our lead-free, latex-free, powder-free drapes may be disposed of through normal waste and are custom designed for each procedure. The drape interior is made from our high-quality, Prolite lead-free core material surrounded by a high-absorbent material with a laminated/sealed plastic inner layer. All Scatterguard drape models are sold by the box (10 per box).

**\*CERTIFIED TO ASTM 2547-18 AND IEC 61331-1:2014 STANDARDS [CE 2895]**

## ABSORBANCY

| Fabric Type | Absorbant Rate | Weight   | Absorbant Capacity |
|-------------|----------------|----------|--------------------|
| Corzorb     | 6.8 sec        | 62.7 gsm | 650%               |
| Airtex      | 5.4 sec        | 132 gsm  | 890%               |

## PROTECTION PROPERTIES

| Lead Equivalence (LE) | Attenuation at 80kVp | Attenuation at 100kVp |
|-----------------------|----------------------|-----------------------|
| 0.125mm               | 77.3%                | 68.9%                 |
| *0.25mm               | 91.9%                | 85.6%                 |
| 0.375mm               | 96.4%                | 92.1%                 |



ECO-FRIENDLY



LATEX FREE



STERILE (GAMMA)



DISPOSABLE



SINGLE USE

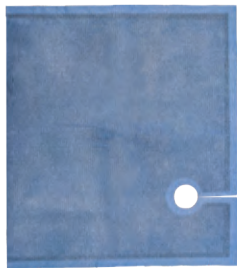


3M ADHESIVE

| # | Model          | Description              | Fenestration        | Dimensions    | Procedures  |
|---|----------------|--------------------------|---------------------|---------------|---|
| 1 | SG-AD-125/250  | Angiography Drape        | 2" Circle           | 14.5" x 16.5" | Angiography, Coronary Catheterization, UFE, Pelvic Surgery and TACE         |
| 2 | SG-BSD-250     | Biliary Split Drape      | 5" Slit             | 14.5" x 16.5" | Transjugular intrahepatic portosystematic shunt (TIPS)                      |
| 3 | SG-DSD-250     | Dialysis Drape           | 4.5" x 9" Rectangle | 32" x 50"     | Dialysis access and declotting, Fistulagram                                 |
| 4 | SG-EPD-125/250 | EP Left Subclavian Drape | 3.25" x 2.25" Scoop | 13.5" x 17.5" | Bi-ventricular pacemaker implants, Bi-ventricular pacing and ICS procedures |

1

Angiography Drape



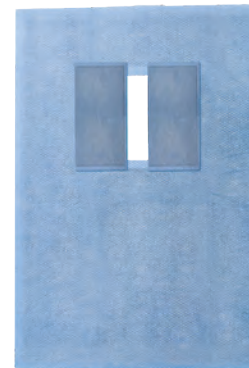
2

Biliary Split Drape



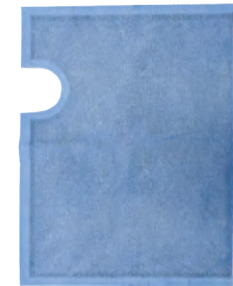
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Dialysis Drape



4

EP Left Subclavian Drape



| # | Model              | Description                | Fenestration     | Dimensions      | Procedures  |
|---|--------------------|----------------------------|------------------|-----------------|---|
| 5 | 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 |
| 6 | 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 |
| 7 | SG-JUG-125         | Jugular Access/ TIPS Drape | 5" Slit          | 13.5" x 17.5"   | Transjugular intrahepatic portosystematic shunt (TIPS)                      |
| 8 | SG-MPD-125/250/375 | Multipurpose Drape         | None             | 13.5 x" x 17.5" | Needle Biopsy or Puncture procedures  |

5

EP Drape - Large



6

EP Drape - Small



7

Jugular Access/TIPS Drape



8

Multipurpose Drape

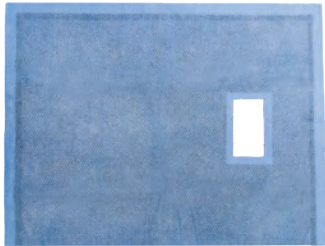




| #  | Model               | Description                          | Fenestration        | Dimensions        | Procedures   |
|----|---------------------|--------------------------------------|---------------------|-------------------|--|
| 9  | SG-MPDF-125/250/375 | Multipurpose Drape with Fenestration | 3.5" x 2" Rectangle | 13.5" x 17.5"     | Needle Biopsy or Puncture procedures                             |
| 10 | SG-PPD-125/250      | Peripheral Drape                     | None                | 11" x 34"         | Peripheral procedures where access is through the femoral artery |
| 11 | SG-DCAP-125/250/375 | Disposable Smart Cap                 | None                | One size fits all | Any procedure involving fluoroscopy                              |

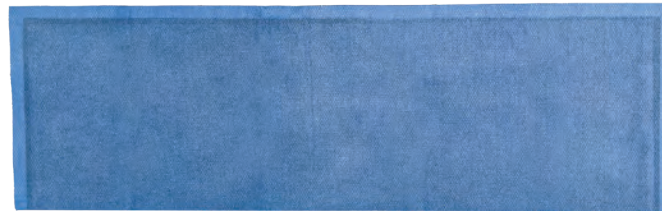
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**Multipurpose Drape with Fenestration**



10

**Peripheral Drape**



11

**Disposable Smart Cap**





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