

# Radiation Protection



# Material



Antibacterial



Antifungal



Waterproof



## EDGE BILAYER LEAD-FREE

Independent testing shows that our bilayer technology delivers superior safety, reduced weight, and enhanced comfort—achieving up to 20% lower absorbed dose compared to competing aprons.



## LEAD-FREE

Our environmentally friendly lead-free material is lighter than lightweight lead material.



## LIGHTWEIGHT LEAD

Composed of 75-85% metallic lead, encapsulated in a vinyl resin and plasticiser matrix. It is lighter than traditional lead.



Navy Blue



Purple



Royal Blue



Dark Red



Turquoise



Yellow



Green



Black

# Double-Sided Aprons

Double-sided aprons are designed for front and back radiation exposure and provide maximum comfort and freedom of movement.



## Product Description

- Adjustable belt provides lumbar support and weight distribution.
- Shoulder pads provide comfort during usage.
- Front: 0.25mm, 0.35mm or 0.50mm.
- Back: 0.25mm.
- Material: Lead or Lead-free.



Size	Chest	Waist/Hip	Length
<b>XS</b>	80cm	86cm	90 to 130cm
<b>S</b>	90cm	96cm	90 to 130cm
<b>M</b>	100cm	106cm	90 to 130cm
<b>L</b>	110cm	116cm	90 to 130cm
<b>XL</b>	120cm	126cm	90 to 130cm
<b>XXL</b>	130cm	136cm	90 to 130cm
<b>3XL</b>	140cm	146cm	90 to 130cm

Product life depends on usage of the product and user. It must be kept on the protection hanger after usage and it must not be folded.



# Front-Protection Aprons

**Front-protection aprons are designed for only frontal radiation exposure and provide maximum comfort and freedom of movement.**

- Product Description**
- Front-protection aprons slip on and off quickly.
  - Shoulder pads provide comfort during usage.
  - Front: 0.25mm, 0.35mm or 0.50mm.
  - Material: Lead or lead-free.



Size	Chest	Waist/Hip	Length
<b>XS</b>	80cm	85cm	90 to 130cm
<b>S</b>	90cm	95cm	90 to 130cm
<b>M</b>	100cm	105cm	90 to 130cm
<b>L</b>	110cm	115cm	90 to 130cm
<b>XL</b>	120cm	125cm	90 to 130cm
<b>XXL</b>	130cm	135cm	90 to 130cm
<b>3XL</b>	140cm	145cm	90 to 130cm



**Product life depends on usage of the product and user. It must be kept on the protection hanger after usage and it must not be folded.**



# Panoramic Aprons

Our panoramic aprons provide full 360° protection, offering coverage for optimal patient protection during panoramic imaging procedures.

## Product Description

- High flexibility and comfort.
- 0.25mm, 0.35mm or 0.50mm.
- Material: Lead or lead-free.



# Dental Aprons

## Product Description

- Criss-cross shoulder design offers maximum comfort and freedom of movement for dentists and technicians.
- Front: 0.25mm, 0.35mm or 0.50mm.
- Material: Lead or lead-free.



Product life depends on usage of the product and user. It must be kept on the protection hanger after usage and it must not be folded.



# Vest and Skirt Aprons

The vest and skirt apron provides exceptional comfort and maximum protection with its overlapping design, ideal for longer procedures. The two-piece configuration distributes weight evenly, helping to reduce shoulder strain.



## Product Description

- Skirt belt closure.
- Anti-slip system on skirt.
- Special design for weight distribution.
- Soft shoulder pads.
- Pockets.
- Front: 0.25mm, 0.35mm or 0.50mm.
- Back: 0.25 mm.
- Material: Lead or lead-free.



Product life depends on usage of the product and user. It must be kept on the protection hanger after usage and it must not be folded.



# Thyroid Protection

Designed to deliver optimal radiation protection. It features a permanently sewn-on velcro neck closure for ease of use and all-day comfort.

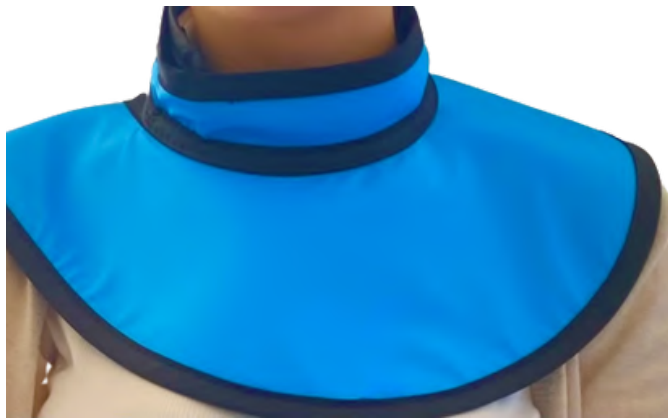
Product Description
<ul style="list-style-type: none"><li>• 0.35mm or 0.50mm.</li><li>• Material: Lead or lead-free.</li></ul>



Flex



St. Model



Circle

# Head Protection

Product Description
<ul style="list-style-type: none"><li>• 0.50mmPb, 0.35mmPb or 0.25 mm.</li><li>• Velcro/ Tie Closure.</li><li>• Adjustable size by closure.</li></ul>



# Gonad Protection

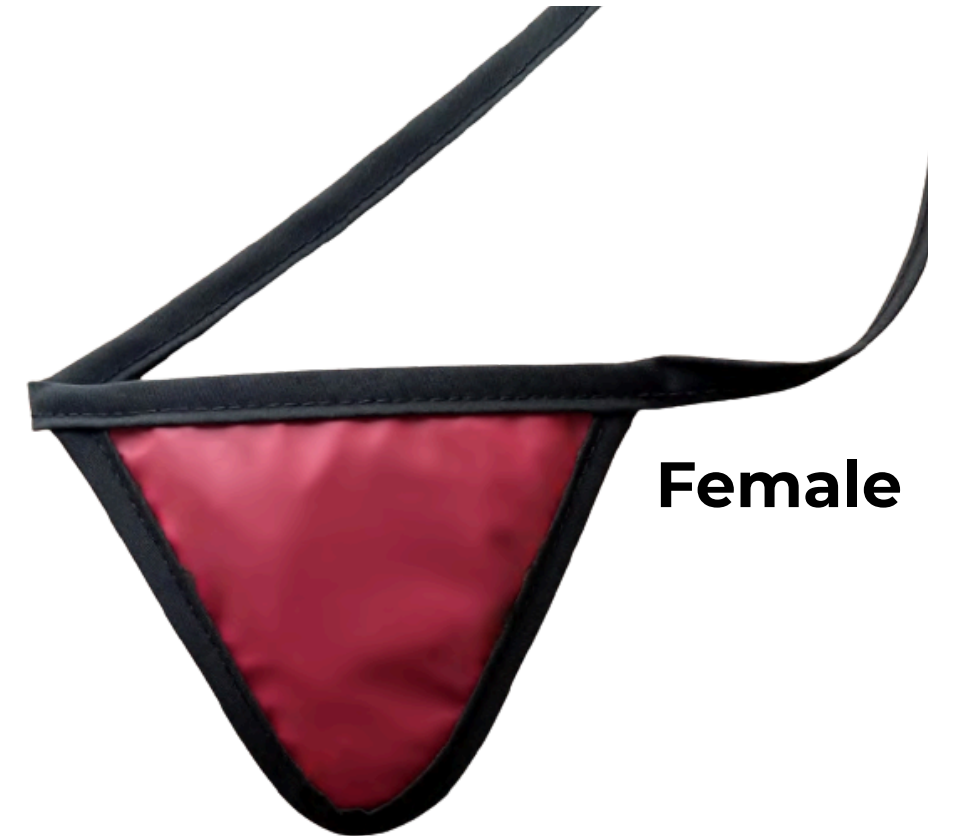


## Available sizes

- 45x50cm
- 37x40cm
- 30x30cm
- 20x25cm



Male



Female

# Paediatric

Our protective aprons provide safe, comfortable shielding for pediatric and patient imaging. Available in 0.35 mm or 0.50 mm Pb, with lead or lead-free options, the range includes front-side pediatric aprons, double-sided aprons for full-body coverage, and panoramic aprons designed for flexible front-and-back protection during panoramic scans.



Front and Side  
Apron



Double-Sided  
Apron



Panoramic  
Apron

# Radiation Protection Glasses

Protective eyewear designed for medical professionals providing comfort and reliable radiation shielding. Our lead safety glasses combine high-quality materials with ergonomic design to ensure all-day wearability for all imaging procedures.

## Navy



- 0.75mmPb.
- Durable and lightweight
- Adjustable nose pads.
- Permanent side shields.
- Rectangular frame.
- Weight 88g.

## Nike Brazen



- 0.75 mmPb.
- Durable and lightweight.
- Rectangular wrap around frame.
- Rubberised nose pads.
- Weight 87g.

## Nike Adrenalin



- 0.75 mmPb
- Durable and lightweight
- Rectangular wrap around frame.
- Rubberised nose pads
- Weight 81g.

## Nike Lightness



- 0.75 mmPb
- Durable and lightweight
- Round frame
- Single bridge and spring hinges.
- Weight 56g.

## Front and Side



- 0.75 mmPb.
- Durable and lightweight
- Front and lateral protection.
- Weight 90g.

## Wrap Around



- 0.75 mmPb.
- Durable and lightweight.
- Adjustable nose pads.
- Permanent side shields.
- Weight 72g.

## Front and Side



- 0.75 mmPb.
- Durable and lightweight.
- Can be worn over prescription glasses.
- Front and lateral protection.
- Weight 90g.

## Protective Face Mask



- X-Ray protective face mask.

# Radiation Protection Gloves

## FREE GUARD®

**RADIATION ATTENUATING SURGICAL GLOVES**  
**LEAD FREE, LATEX FREE, POWDER FREE**

**APPLICATION - SPECIFIC FOR PROCEDURES REQUIRING ENHANCED TACTILE SENSITIVITY**

Radiation Attenuation Surgical Gloves are used to shield hands from the harmful effects of scattered radiation exposure during fluoroscopic procedures.

**Strengths:**

- Surgical gloves
- No latex - No lead
- High level of dexterity
- Anatomically correct fine thin gloves
- Super tactile sensitivity and attenuation properties at top level
- Comfort and functionality, smooth inside and micro textured outside
- Shield hands from the harmful effects of scattered radiation exposure
- Protect a surgical wound from contamination
- Meeting the EN and ASTM gloves Standards for Medical Applications

**Meeting EN & ASTM Standards:**

- EN 455 Surgical gloves
- EN 420 Gloves: e.g. sizing
- END 61331 X-Ray gloves
- D3577-09 Standard Specifications for Surgical Gloves
- EN 421

**Models**

- 2 Models/2 Thicknesses
- Model 1- 0.22mm
- Model 2- 0.30mm

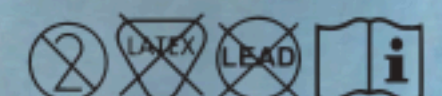
**Sizes**

- 6 to 9 with half sizes
- 5 pairs per box

**Attenuation Properties EN 61331-1: 2014**

MODEL 1 : 0.009" / 0.22 mm			
Kvp	60	90	120
Cuff	51%	40%	34%
Palm	55%	44%	37%
Finger	55%	44%	37%

MODEL 2 : 0.012" / 0.30 mm			
Kvp	60	90	120
Cuff	62%	51%	43%
Palm	63%	51%	43%
Finger	61%	49%	42%



**CE** 2777 PPE Reg. (UE) 2016/425  
 0123 MD acc. to 93/42/EEC

# Radiation Protection Gloves

## XGUARD®

### RADIATION ATTENUATING EXAMINATION & SURGICAL GLOVES POWDER FREE

**APPLICATION - SPECIFIC FOR PROCEDURES REQUIRING ENHANCED TACTILE SENSITIVITY**

Radiation Attenuation Examination & Surgical Gloves used to shield hands from the harmful effects of scattered radiation exposure during fluoroscopic procedures

**Strengths:**

- Surgical Gloves
- High level of dexterity
- Anatomically correct fine thin gloves
- Super tactile sensitivity and attenuation properties at top level
- Comfort and functionality, smooth inside and micro textured outside
- Shield hands from the harmful effects of scattered radiation exposure
- Protect a surgical wound from contamination
- Meeting the EN and ASTM gloves Standards for Medical Applications

**Meeting EN & ASTM Standards:**

- EN 455 Surgical gloves
- EN 420 Gloves: e.g. sizing
- END 61331 X-Ray gloves
- D3577-09 Standard Specifications for Rubber Examination Gloves
- EN 421

**Models**

- 3 Models/3 Thicknesses
- RR-1- 0.22mm
- RR-2/ Sleeves - 0.30mm
- RR-3- 0.60mm

**Sizes**

- |                     |                     |                      |
|---------------------|---------------------|----------------------|
| RR-1/RR-2           | RR-3                | Sleeves              |
| 6-9 with half sizes | 7-9 with half sizes | Small, Medium, Large |
| 5 pairs per box     | 3 pairs per box     | 3 pairs per box      |

**Attenuation Properties EN 61331-1:2014**

RR-1 : 0.009" / 0.22 mm				RR-2 : 0.012" / 0.30 mm			
Kvp	60	90	120	Kvp	60	90	120
Cuff	45%	35%	29%	Cuff	56%	44%	37%
Palm	51%	40%	33%	Palm	57%	45%	38%
Finger	50%	39%	32%	Finger	57%	56%	38%

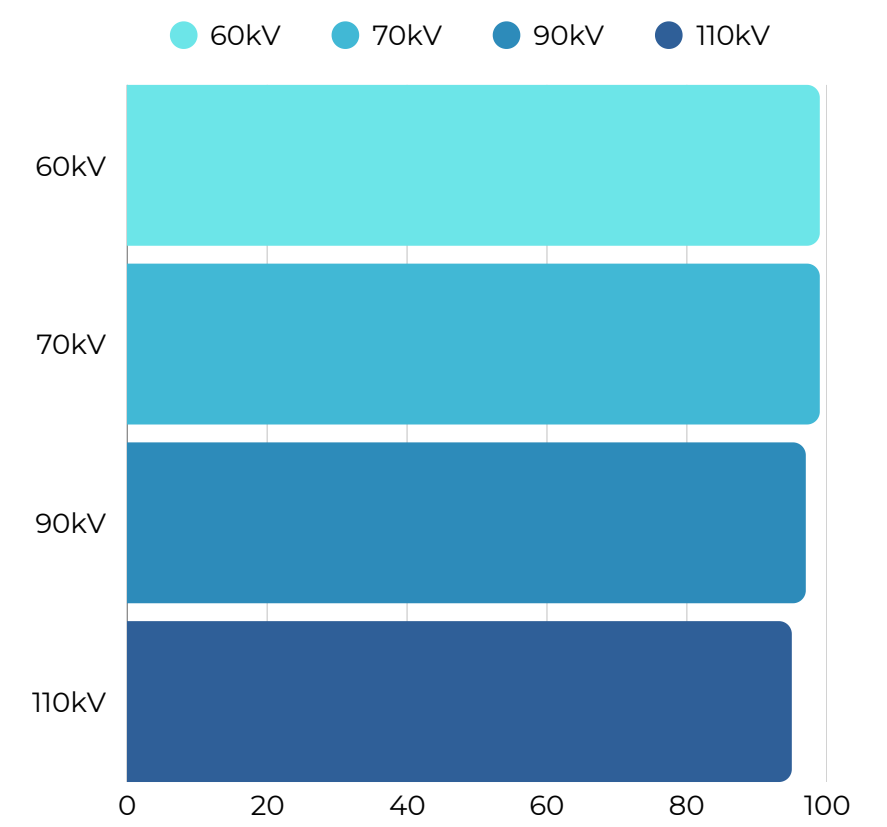
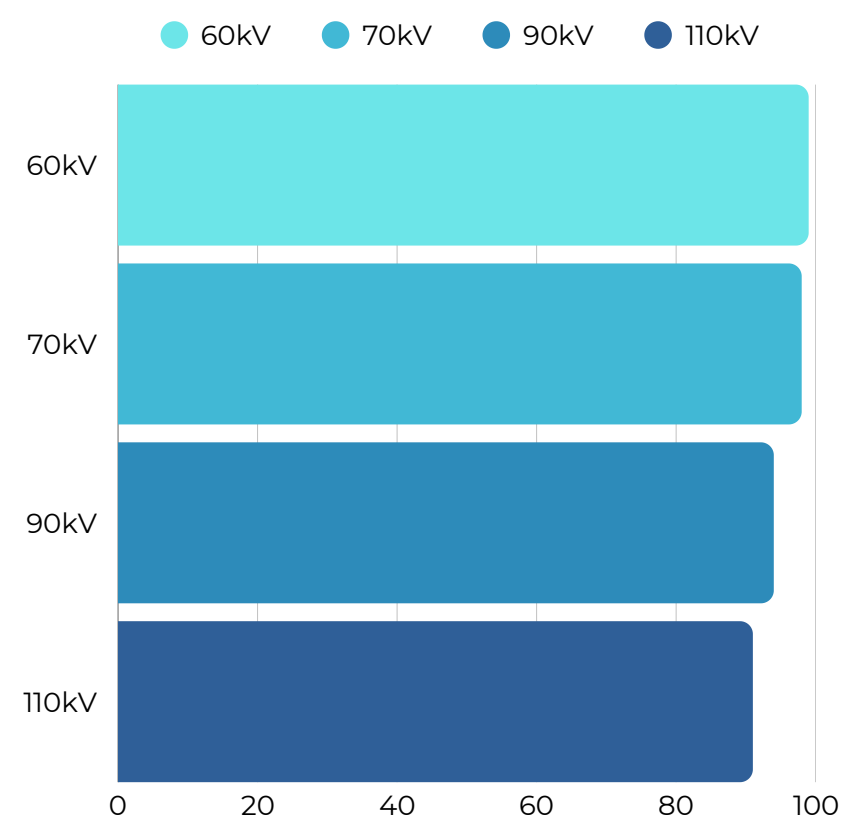
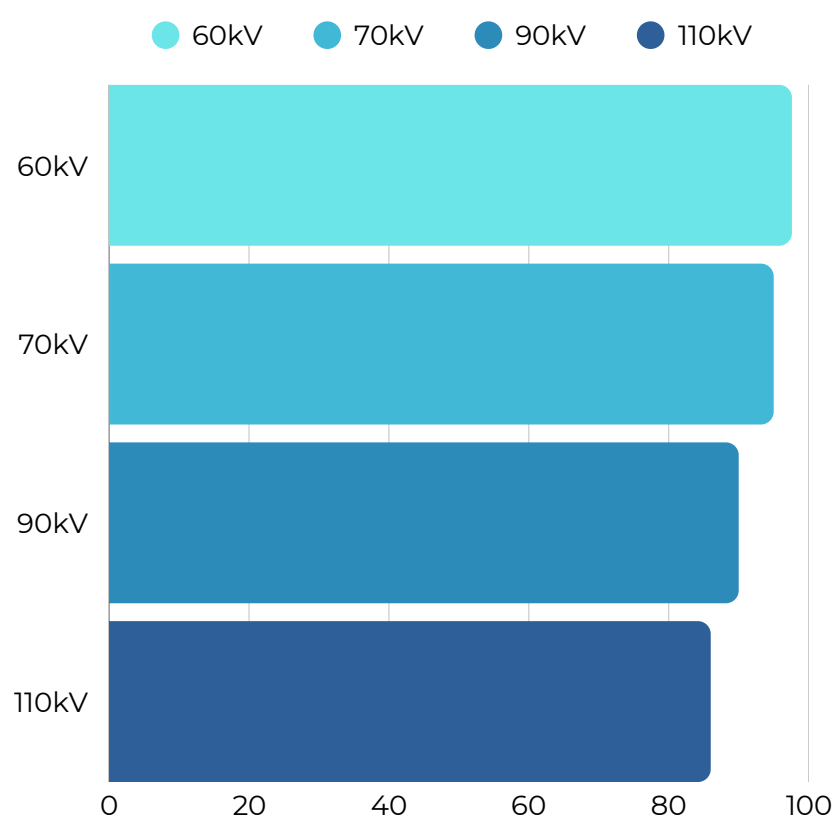
RR-3 : 0.024" / 0.60 mm			
Kvp	60	90	120
Cuff	76%	63%	55%
Palm	75%	62%	54%
Finger	75%	62%	54%



CE 2777 PPE Reg. (UE) 2016/425  
0123 MD acc. to 93/42/EEC

# Lead Equivalency

Lead-Free Composite Protective Core Materials			
	0.25 mm Pb	0.350 mm Pb	0.500 mm Pb
kV	% Attenuation	% Attenuation	% Attenuation
60	97.61	99.17	99.77
70	95.74	98.14	99.29
90	90.57	94.59	97.18
110	86.13	91.38	95.12



Lightweight Lead			
	0.250 Pb	0.350 Pb	0.500 Pb
kV	% Attenuation	% Attenuation	% Attenuation
60	97.67	99.08	99.73
70	95.76	98	99.19
90	90.65	94.35	97.02
110	86.6	91.6	95.33

