

# HOSHINA PRODUCT CATALOG



## Hoshina Corporation

Medical equipment manufacturing and sales permit number 13B3X00005  
Medical equipment manufacturing and sales permit number 27B3X00060 (AP-5, PS-8)  
Medical equipment manufacturing and sales permit number 13B3X00121 (FP-6, FP-7)  
Medical equipment manufacturing and sales permit number 25B3X00008 (PS-7)  
Construction permit number Governor of Tokyo (General-10) 109044

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The Head Office and Ibaraki Plant have obtained ISO 13485 certification.

### Range of certification

Design, development and manufacturing of X-ray protection products.  
Construction of X-ray and electromagnetic radiation shielding and facilities at the customer's site.

MD 87677 / ISO 13485:2003

● Please note that colors shown in the catalog may differ slightly from the actual article. ● The specifications of products shown may change without notice. ● Prices shown in the attachment do not include sundry costs such as sales tax, packing and freight costs, and installation. These costs are charged separately.

Dealers



Always cool.  
Windpia II X-ray protection aprons with air conditioning



CAT 1609

Much cooler during wear.  
Airways carry a cooling breeze  
inside the X-ray protection apron.



X-ray protection aprons with air conditioning

# Windpia II

There have never been X-ray protection aprons with air conditioning before. Two fans and heat of vaporization solve the problem of heat and sweat. The built-in back frame significantly relieves the feeling of weight.

**Recommended for:** Angiography rooms    Operating theaters



As soon as you put it on, the two fans wick away sweat.

Bringing a large volume of air into the protection apron evaporates sweat quickly. This heat of vaporization creates a comfortable coolness.

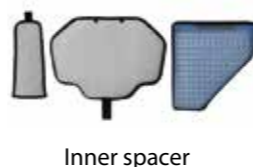


Built-in back frame. The weight of the apron is unobtrusive.

The back frame creates a space between the shoulders and the X-ray protection apron. Tightening the waist belt significantly reduces the weight on the shoulders.

The proprietary inner structure creates a flow of air.

The mesh material of the three-dimensional inner spacer and the airtight inner wear enable a refreshing flow of air between your body and the protection apron.



The belt and waist pad reduces the load on your shoulders.



The waist belt is integrated with the frame. Tightening the waist belt fixes the waist pad, further reducing the weight on your shoulders.

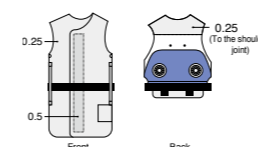
### 03 WPA II / Windpia II Apron type

(X-ray protection apron Windpia II (lead-free) apron/coat)  
(Notification number) 13B3X00005000005

Lead equivalence	Size	Fitting (cm)*		Width x length (cm)	Weight (kg)
		Height	Bust		
0.25 mmPb	S	150~160	75~85	52×90	2.8
	M	160~175	85~95	55×95	3.1
	L	175~185	95~110	58×105	3.4

\* Fitting is approximate only and may differ according to your body shape.

Lead equivalence



[Sold separately]  
**High-capacity battery**

Charging time: Approx. 8 hours  
Continuous operation time:  
(3 V setting) 24 hours or more

### 04

Coat type for complete protection of your back. Recommended for people who move around and turn their back to the equipment.



### 03

Apron type for protecting the front of your body. Recommended for people who generally work in the same posture.

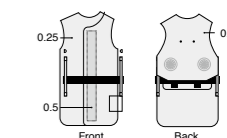
### 04 WPC II / Windpia II Coat type

(X-ray protection apron Windpia II (lead-free) apron/coat)  
(Notification number) 13B3X00005000005

Lead equivalence	Size	Fitting (cm)*		Width x length (cm)	Weight (kg)
		Height	Bust		
0.25 mmPb	S	150~160	75~85	52×90	4.3
	M	160~175	85~95	55×95	4.9
	L	175~185	95~110	58×105	5.4

\* Fitting is approximate only and may differ according to your body shape.

Lead equivalence



Colors ● Blue ● Lilac ● Pink ● Orange ● Yellow ● Green  
\*The hanger is sold separately.



# Coat

Protects the front of your body and shuts out scattered radiation from all directions.



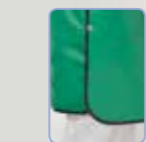
Top of the line coat type. The double belt effect of the inner belt and wide support belt provides a comfortable fit and reduces the weight on your shoulders. It stays in place even if you move around, making it especially suitable for nurses.



**Inner belt**  
Attached to the inside of the X-ray protection apron. Enhances the fit when wearing the apron.



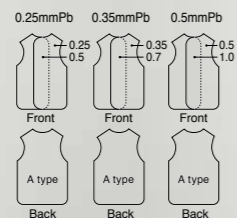
**Wide support belt**  
A 180 mm wide belt on the outside of the X-ray protection apron. Reduces the weight on your shoulders and hips.



**Overlapping slit**  
Slits in the side provide great ease of movement. The overlap enhances protection.



**Lead equivalence**



This popular coat type is comfortable to wear, with a snug fit. Ideal for nurses and assistants who frequently turn their back to the equipment.



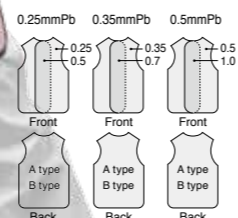
**Belt loops**  
Tightening the belt enhances the fit and reduces the weight on your shoulders. You can tighten the belt at the height that suits you.



**Overlapping slit**  
Slits in the side provide great ease of movement. The overlap enhances protection.



**Lead equivalence**



**Recommended for:**

- People who move around the operating theater.
- People who assist patients for long periods in close proximity to the equipment.
- People who frequently work with their backs to equipment such as CT.

Angiography rooms

Operating theaters

Eliminating the pocket and inner wear makes it lighter and economical.

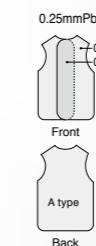


**Belt loops**  
Tightening the belt enhances the fit and reduces the weight on your shoulders. You can tighten the belt at the height that suits you.



**Overlapping slit**  
Slits make movement easier. To prevent scattered radiation from entering, the fabric of the front and back overlaps.

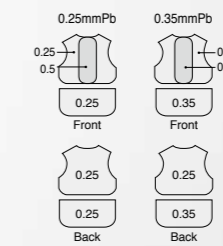
**Lead equivalence**



Vest and skirt two-piece. Provides an excellent fit, allowing comfortable twisting at the hips. The weight is distributed between upper and lower garments, reducing the weight on your shoulders. It's becoming popular for its cute style.



**Lead equivalence**



## 05 PGI/SGI Fitted coat

(X-ray protection apron Premier light (lead-free) apron/coat) (Notification number) 13B3X00005000003  
(X-ray protection apron Smart light (contains lead) apron/coat) (Notification number) 13B3X00005001003

Back 0.13mmPb specification (A type)

Lead equivalence	Size	Width x length (cm)	Bust (cm)	Weight (kg)	
				PGI (Lead free)	SGI (Contains lead)
0.25 mmPb	S	48×85	65~80	2.7	3.1
	M	51×88	75~90	2.9	3.3
	L	55×96	80~95	3.3	4.1
	LL	60×102	90~105	3.6	4.5
0.35 mmPb	S	48×85	65~80	3.4	4.1
	M	51×88	75~90	3.8	4.7
	L	55×96	80~95	4.2	5.2
	LL	60×102	90~105	4.6	5.7
0.5 mmPb	S	48×85	65~80	3.9	4.8
	M	51×88	75~90	4.4	5.3
	L	55×96	80~95	4.9	5.9
	LL	60×102	90~105	5.5	6.9

Colors ● Blue ● Lilac ● Pink ● Orange ● Yellow ● Green

\* The hanger is sold separately.

## 06 PGC/SGC Light coat

(X-ray protection apron Premier light (lead-free) apron/coat) (Notification number) 13B3X00005000003  
(X-ray protection apron Smart light (contains lead) apron/coat) (Notification number) 13B3X00005001003

Back 0.13mmPb (A type) Back 0.25mmPb (B type)

Lead equivalence	Size	Width x length (cm)	Bust (cm)	Weight (kg)	
				PGC (Lead free)	SGC (Contains lead)
0.25 mmPb	S	48×85	65~80	A 2.4	A 2.7
				B 2.8	B 3.4
	M	51×88	75~90	A 2.6	A 3.1
				B 3.1	B 3.7
0.35 mmPb	S	48×85	65~80	A 2.9	A 3.5
				B 3.5	B 4.3
	M	51×88	75~90	A 3.2	A 3.9
				B 3.8	B 5.0
0.5 mmPb	S	48×85	65~80	A 3.3	A 3.4
				B 3.7	B 3.9
	M	51×88	75~90	A 3.6	A 4.1
				B 4.1	B 4.9
0.25 mmPb (B type)	S	48×85	65~80	A 3.8	A 4.6
				B 4.5	B 5.5
	M	51×88	75~90	A 4.2	A 5.1
				B 4.7	B 6.2
0.35 mmPb (B type)	S	48×85	65~80	A 3.6	A 4.3
				B 4.2	B 5.0
	M	51×88	75~90	A 4.0	A 5.0
				B 4.8	B 5.7
0.5 mmPb (B type)	S	48×85	65~80	A 4.5	A 5.6
				B 5.3	B 6.3
	M	51×88	75~90	A 5.1	A 6.4
				B 5.9	B 7.2

## 07 PGE/SGE Economy coat

(X-ray protection apron Premier light (lead-free) apron/coat) (Notification number) 13B3X00005000003  
(X-ray protection apron Smart light (contains lead) apron/coat) (Notification number) 13B3X00005001003

Back 0.13mmPb (A type)

Lead equivalence	Size	Width x length (cm)	Bust (cm)	Weight (kg)	
				PGE (Lead free)	SGE (Contains lead)
0.25 mmPb	S	48×85	65~80	2.4	2.7
	M	51×88	75~90	2.6	3.1
	L	55×96	80~95	2.9	3.8
	LL	60×102	90~105	3.2	3.9

\* The printed pattern shown in the photograph is an option.

## 08 PGT/SGT Separate coat

(X-ray protection apron/Clothing for protection of the reproductive glands Premier light (lead-free) separate coat) (Notification number) 13B3X00005000102  
(X-ray protection apron/Clothing for protection of the reproductive glands Smart light (contains lead) separate coat) (Notification number) 13B3X00005001101

Lead equivalence	Size	Width x length (cm)		Bust (cm)	Waist (cm)	Weight (kg)	
		Jacket	Skirt			PGT (Lead free)	SGT (Contains lead)
0.25 mmPb	M	51×53	100×45	75~90	65~80	3.2	4.0
	L	55×58	116×45	80~95	80~95	3.7	4.5
	LL	60×67	129×50	90~105	90~105	4.5	5.5
0.35 mmPb	M	51×53	100×45	75~90	65~80	4.3	5.4
	L	55×58	116×45	80~95	80~95	5.0	6.2
	LL	60×67	129×50	90~105	90~105	6.1	7.5

\* The printed pattern shown in the photograph is an option.



# Apron

Fully protects the front of your body.  
Very convenient to put on quickly when required.

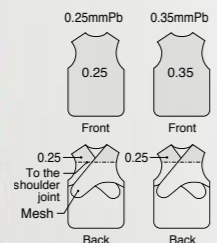


The back uses a honeycomb mesh making it light and cool to wear. The mesh parts don't use surface material and shielding material, so the apron itself is lighter.



**Honeycomb mesh**  
The two-layer honeycomb material achieves excellent breathability.

**Lead equivalence**

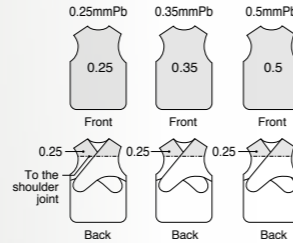


This popular apron type is widely used. Velcro closures make this easy to put on and take off. The closure can be freely adjusted for fit.



**Velcro**  
The Velcro tabs are the only fastening. Convenient for frequent putting on and removal.

**Lead equivalence**



**Recommended for:**

- People who work facing the same direction at all times.
- People engaged in general radiography where protection is frequently put on and taken off.

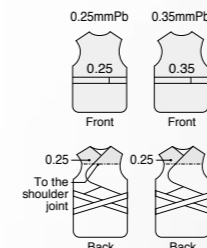
The support belt provides a comfortable fit and reduces the weight on your shoulders. Enjoys a reputation for comfort even when worn for long periods.



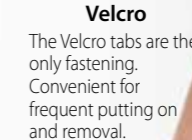
**Support belt**

When the belt is tightened, the X-ray protection apron rises off the shoulders, distributing its weight. You can adjust the fit to your preference.

**Lead equivalence**



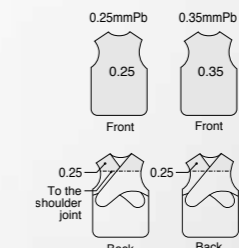
Eliminating the pocket and inner mesh makes it lighter and economical.



**Velcro**

The Velcro tabs are the only fastening. Convenient for frequent putting on and removal.

**Lead equivalence**



## 09 PAW/SAW Wind apron

(X-ray protection apron Premier light (lead-free) apron/coat) (Notification number) 13B3X00005000003  
(X-ray protection apron Smart light (contains lead) apron/coat) (Notification number) 13B3X00005001003

Lead equivalence	Size	Width x length (cm)	Bust (cm)	Weight (kg)	
				PAW (Lead free)	SAW (Contains lead)
0.25 mmPb	S	55×90	75~85	1.5	1.7
	M	58×100	85~95	1.7	1.9
	L	60×110	90~100	2.0	2.2
0.35 mmPb	LL	63×115	95~105	2.2	2.5
	S	55×90	75~85	2.1	2.3
	M	58×100	85~95	2.4	2.8
	L	60×110	90~100	2.7	3.1
LL	63×115	95~105	3.1	3.6	

Colors ● Blue ● Lilac ● Pink ● Orange ● Yellow ● Green  
\* The hanger is sold separately.

## 10 PAO/SAO One-touch apron

(X-ray protection apron Premier light (lead-free) apron/coat) (Notification number) 13B3X00005000003  
(X-ray protection apron Smart light (contains lead) apron/coat) (Notification number) 13B3X00005001003

Lead equivalence	Size	Width x length (cm)	Bust (cm)	Weight (kg)	
				PAO (Lead free)	SAO (Contains lead)
0.25 mmPb	S	55×90	75~85	1.5	1.7
	M	58×100	85~95	1.8	2.0
	L	60×110	90~100	2.0	2.3
0.35 mmPb	LL	63×115	95~105	2.2	2.6
	S	55×90	75~85	2.1	2.4
	M	58×100	85~95	2.4	2.9
	L	60×110	90~100	2.7	3.2
LL	63×115	95~105	3.1	3.6	
0.5 mmPb	S	55×90	75~85	2.6	3.0
	M	58×100	85~95	3.1	3.6
	L	60×110	90~100	3.4	4.0
LL	63×115	95~105	3.8	4.5	

## 11 PAF/SAF Fitted apron

(X-ray protection apron Premier light (lead-free) apron/coat) (Notification number) 13B3X00005000003  
(X-ray protection apron Smart light (contains lead) apron/coat) (Notification number) 13B3X00005001003

Lead equivalence	Size	Width x length (cm)	Bust (cm)	Weight (kg)	
				PAF (Lead free)	SAF (Contains lead)
0.25 mmPb	M	58×100	85~95	1.9	2.1
	L	60×110	90~100	2.1	2.4
	LL	63×115	95~105	2.3	2.7
0.35 mmPb	M	58×100	85~95	2.5	3.0
	L	60×110	90~100	2.7	3.2
	LL	63×115	95~105	3.0	3.6

\* The printed pattern shown in the photograph is an option.

## 12 PAE/SAE Easy apron

(X-ray protection apron Premier light (lead-free) apron/coat) (Notification number) 13B3X00005000003  
(X-ray protection apron Smart light (contains lead) apron/coat) (Notification number) 13B3X00005001003

Lead equivalence	Size	Width x length (cm)	Bust (cm)	Weight (kg)	
				PAE (Lead free)	SAE (Contains lead)
0.25 mmPb	M	58×100	85~95	1.7	1.9
	L	60×110	90~100	1.9	2.2
	LL	63×115	95~105	2.1	2.5
0.35 mmPb	M	58×100	85~95	2.4	2.8
	L	60×110	90~100	2.6	3.1
	LL	63×115	95~105	3.0	3.6