



India's First Light Weight Full Wrap with Sleeves Apron



**EXCELLENCE IN
RADIATION PROTECTION**



About Company

Dhaal Healthcare excels as a premier manufacturer of Radiation Protection Apparels, prioritizing safety in healthcare, research, and industrial sectors. Renowned for innovative design and advanced shielding materials, their garments offer optimal coverage and flexibility. Customization options cater to diverse needs, ensuring comfort and compliance with rigorous safety standards. Durability and longevity are paramount, providing reliable protection against ionizing radiation. With a commitment to customer education and support, Dhaal Healthcare wide-ranging applications across industries underscore its reputation as a trusted provider of high-quality, compliant radiation protection solutions.

Our Radiation Protection Apparel is Available in



Pb-Free

Eco friendly apparel that replaces lead with a combination of tungsten, bismuth and antimony



Pb- Premium

Replace a large part of lead with a combination of lead, antimony, stabilizers and pigment



Pb- Standard

Finely divided 100% pure lead metal particles, stabilizers and pigments

Certifications

DHAAL Healthcare proudly holds certifications for its Radiation Protection Aprons, affirming their adherence to stringent safety standards. Recognized by industry authorities, these certificates attest to the high-quality materials, innovative design, and effectiveness of the aprons in providing superior protection against ionizing radiation in healthcare, research, and industrial settings.



#startupindia

Prestigious Clients

AIIMS (Delhi)

AIIMS (Jhajhar)

AIIMS (Deoghar)

CMC (Ludhiana)

CMC (Vellore)

AGMC (Agartala)

Army Institute of Cardio Thoracic Science (Pune)

Officers Training Academy (Chennai)

Moti Lal Nehru Medical College (Allahabad)

Dr. RP Govt. Medical College Tanda (Kangra)

Gandhinagar Hospital (Ranchi)

Dr. M L Parnami (Delhi)

Sub District Hospital (Roorkee)

Kokilaben Dhirubhai Ambani Hospital (Navi Mumbai)

Kokilaben Dhirubhai Ambani Hospital (Indore)

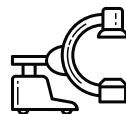




Pb-Free Aprons

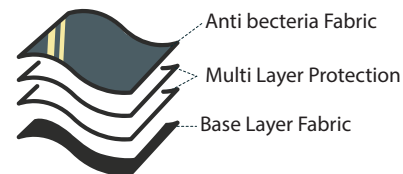
Eco friendly apparel that replaces lead with a combination of tungsten, bismuth and antimony

RECOMMENDED FOR



C-ARM / CATHLAB

MULTI LAYER PROTECTION



Coat Type Apron



Thyroid Apron



Skirt Vest Frontal / Full Wrap Apron



Lead equivalence	Weight (kg) (60 X 100 cm)
0.50 mm Pb	3.7
0.35 mm Pb	2.9
0.25 mm Pb	2.1

Lead equivalence	Weight (kg) (60 X 100 cm)
0.50 mm Pb	3.9
0.35 mm Pb	3.0
0.25 mm Pb	2.5

Lead equivalence	Weight (kg)
0.50 mm Pb/0.25 mm	5.45
0.50 mm Pb/0.25 mm	5.76
0.50 mm Pb/0.25 mm	6.40
0.50 mm Pb/0.25 mm	7.41



SUPER FLEXIBLE



NON-TEARABLE SHEET



ANTI-BACTERIAL FABRIC



STAIN FREE WATER PROOF



100% PROTECTION



AERB CERTIFIED

Full Wrap Coat Apron
(Both side Protection)



Shoulder pads reduces shoulder stress

Pocket included

Adjustable in-built elastic belt for reduced back and shoulder stress



Complete frontal and back protection.

Full Wrap Apron With Sleeves



Lead equivalence	Weight (kg)
Front 0.50 mm / Back 0.25 mm	5
Sleeves 0.25 mm	1.5

Pb-Free Aprons are available in

COLORS



GREY



CREAM



ARMY

SIZES



60X90



60X100



60X110



70X110

Radiation Attenuation Data

Applied voltage (kv)	Applied current (ma)	Exposer time (S)	Measured maximum radiation leakage (mR/h)		Protection Ratio
			Front side Apron	Back side Apron	
60	50	01	Front side Apron	326 mR/hr	99.9 % Safe
			Back side Apron	1.03 mR/hr	
80	50	01	Front side Apron	562 mR/hr	98.7 % Safe
			Back side Apron	8 mR/hr	
100	50	01	Front side Apron	695 mR/hr	94 % Safe
			Back side Apron	56 mR/hr	
120	50	01	Front side Apron	2082 mR/hr	92.5 % Safe
			Back side Apron	189 mR/hr	



Pb- Premium

Replace a large part of lead with a combination of lead, antimony, stabilizers and pigment



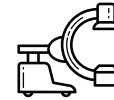
RECOMMENDED FOR



X-RAY



OPG



C-ARM / CATHLAB



CT

Coat Type Apron

Shoulder pads reduces shoulder stress

Pocket included

Elastic tabs allow for comfortable fit around the waist

Complete Frontal protection



Back shoulder Support



Thyroid Apron

Integrated Thyroid

Pocket included

Elastic tabs allow for comfortable fit around the waist

Complete Frontal protection



Skirt Vest Frontal / Full Wrap Apron

Shoulder pads reduces shoulder stress

Pocket included

Elastic tabs allow for comfortable fit around the waist

Complete Frontal protection



Lead equivalence	Weight (kg) (60 X 100 cm)
0.50 mm Pb	4.2
0.35 mm Pb	3.5
0.25 mm Pb	2.5

Lead equivalence	Weight (kg) (60 X 100 cm)
0.50 mm Pb	4.5
0.35 mm Pb	3.8
0.25 mm Pb	2.8

Lead equivalence	Weight (kg)
0.50 mm Pb/0.25 mm	6.1
0.50 mm Pb/0.25 mm	6.61
0.50 mm Pb/0.25 mm	7.30
0.50 mm Pb/0.25 mm	8.31



SUPER FLEXIBLE



NON-TEARABLE SHEET



ANTI-BACTERIAL FABRIC



STAIN FREE WATER PROOF



100% PROTECTION



AERB CERTIFIED

Full Wrap Apron
(Both side Protection)



Shoulder pads reduces shoulder stress

Pocket included

Adjustable in-built elastic belt for reduced back and shoulder stress



Adjustable in-built elastic belt for reduced back and shoulder stress

Lead equivalence	Weight (kg)
Front 0.50 mm / Back 0.25 mm	5.5

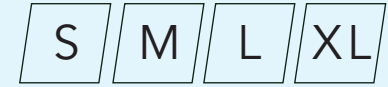
Pb-Premium Aprons are available in

COLORS



BLUE CREAM ARMY

SIZES



60X90 60X100 60X110 70X110

Radiation Attenuation Data

Applied voltage (kv)	Applied current (ma)	Exposer time (S)	Measured maximum radiation leakage (mR/h)		Protection Ratio
			Front side Apron	Back side Apron	
60	50	01	Front side Apron	326 mR/hr	99.9 % Safe
			Back side Apron	1.03 mR/hr	
80	50	01	Front side Apron	562 mR/hr	98 % Safe
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100	50	01	Front side Apron	695 mR/hr	92 % Safe
			Back side Apron	56 mR/hr	
120	50	01	Front side Apron	2082 mR/hr	91 % Safe
			Back side Apron	189 mR/hr	



Pb- Standard

Finely divided 100% pure lead metal particles, stabilizers and pigments



Radiation Protection Accessories

Radiation protection accessories are essential safety tools designed to minimize exposure to ionizing radiation in various industries, including healthcare and nuclear facilities. These accessories, such as lead aprons, thyroid collars, and radiation glasses, provide crucial shielding to ensure the well-being of professionals working in environments with potential radiation hazards.

Coat Type Apron

Lead equivalence

0.50 mm Pb

0.35 mm Pb

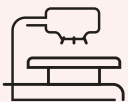
Shoulder pads reduces shoulder stress

Elastic tabs allow for comfortable fit around the waist

Back shoulder Support



RECOMMENDED FOR



X-RAY



OPG



MAMMOGRAPHY

Thyroid Shield

Side View

Experience optimal comfort and convenience with our thyroid shield featuring Velcro sticking

Lead equivalence

0.25 mm Pb

0.35 mm Pb

0.5 mm Pb

Headcap Shield

Lead equivalence

0.50 mm Pb

0.25 mm Pb

The head cap with full forehead coverage provides comprehensive protection against radiation

The head cap with top protection offers comprehensive shielding against ionizing radiation, ensuring the safety of professionals in radiology and related fields.

Gonad Shield



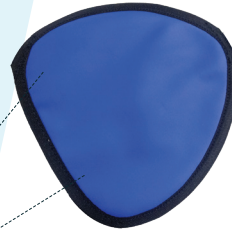
The Gonad Shield offers precise protection for reproductive organs

The Ovarian Shield provides targeted radiation protection for ovaries, ensuring safety during medical imaging procedures and minimizing potential reproductive health risks.

Available in
Pb-Free / Pb-Premium

Lead equivalence
0.5 mm
1 mm

Ovarian Shield



Experience uncompromised safety with our 0.5 mm Pb Radiation Protection Gloves — durable, fully adjustable, and offering total upper hand fully protection for professionals in diverse environments.

Hand protection



Lead Goggles

Lead equivalence
0.75 mm / 0.35 mm
0.5 mm / 0.35 mm

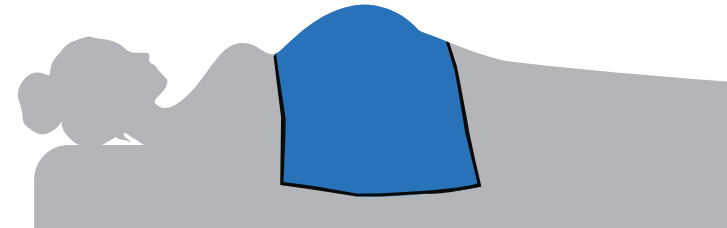


Dual-sided ionized radiation-resistant goggles provide comprehensive eye protection, ensuring safety from radiation exposure

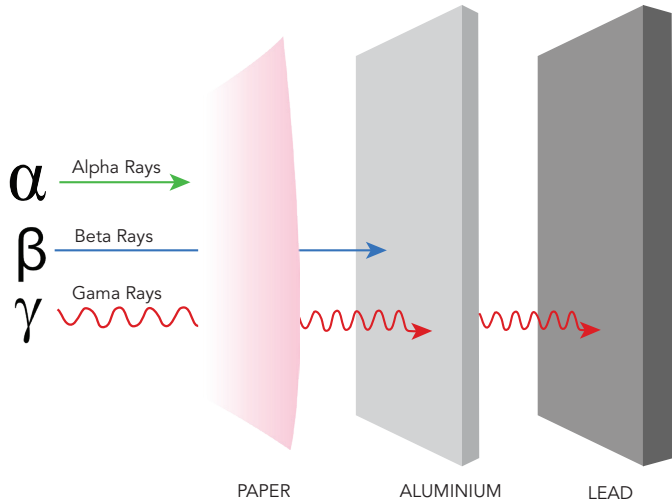


Abdomen Shield

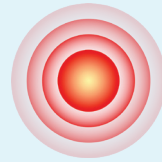
Lead equivalence
0.25 mm
0.5 mm



These Shields are commonly used as abdominal shields for pregnant women during X-rays. provide essential protection, absorbing and reducing radiation exposure to safeguard the developing fetus during medical imaging.



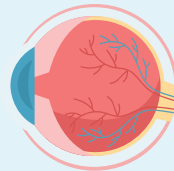
Cutting-edge technologies like X-RAYS, C-ARM, and CATH LABs emit ionizing radiation, posing potential Risks to healthcare professionals. These machines Release different types of radiational alpha, beta, and Gamma rays. While alpha and beta rays are less peneTrating, gamma rays can deeply penetrate the body, Affecting various organs and tissues.



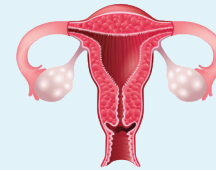
Acute radiation syndrome (ARS)



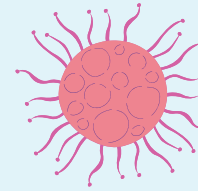
Thyroid Gland



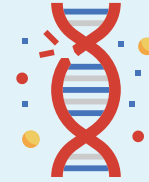
Damage to the eyes



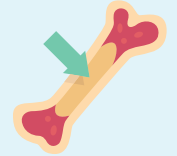
Damage to the Reproductive system



Increased Risk of cancer



Genetic mutations



Damage to the Bones



Damage to the skin

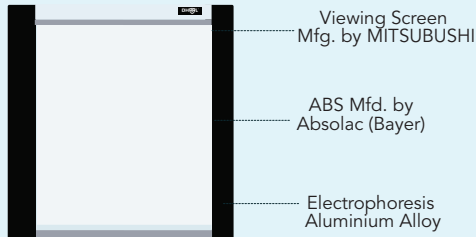
DID YOU KNOW The dangerous effects of Ionizing Radiation on Human Body

Other Products

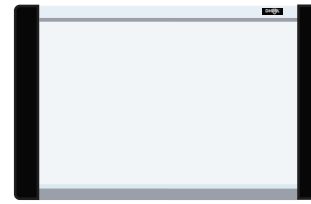
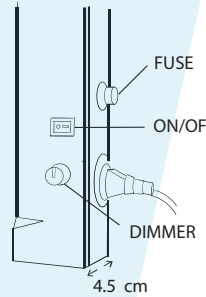


LED X-Ray Illuminator

45mm/25mm



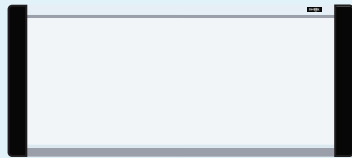
SINGLE VIEW BOX



DOUBLE VIEW BOX

Features

- Energy Efficiency : LEDs are highly efficient. Energy savings range from 80% to 90%.
- Long Life : LEDs are projected to produce a long service life of about 100,000 hours.
- Making them ideal for X-ray film view boxes that definitely harmless for eyes.
- Lights Instantly.
- Unparalleled latest LED technology.
- Low-voltage power supply (increased safety).
- Digital Dimmer Technology.
- Over 95% uniformity in light across the screen.
- Film activated switch / film sensor - automatic shutdown if no film inside. *Optional.
- Use 7000k-15000k white and light-blue Color temperature is ideally suitable for viewing X-Ray, CT and MRI films.



TRIPLE VIEW BOX



QUADRUPLE VIEW BOX

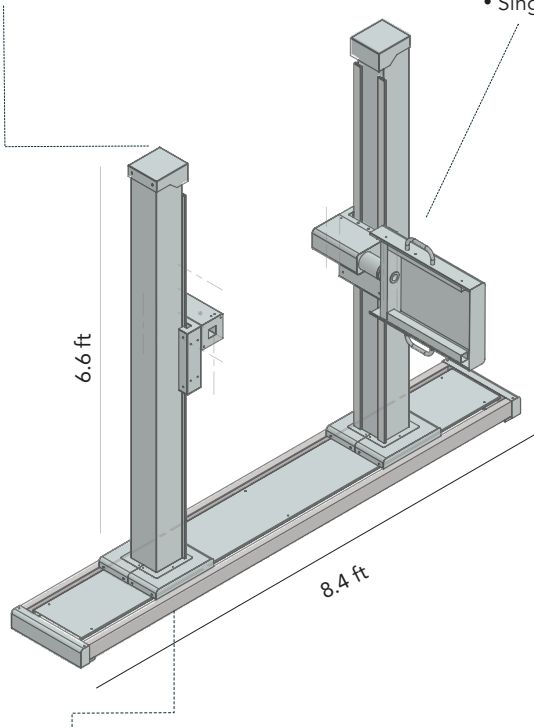
LED - XRAY VIEW BOX - SPECIFICATION

PARAMETER	SINGLE SCREEN	DUAL SCREEN	TRIPLE SCREEN	QUADRUPLE SCREEN
Dimensions Viewing Area (WxH)	14"x17"	28"x17"	42"x17"	56"x17"
Light Source	LED	LED	LED	LED
Lamp Light	1,00,000 hours	1,00,000 hours	1,00,000 hours	1,00,000 hours
Net Weight (kg)	2.9	5.450	8.12	10.95

Dual Column floor mounted DR Protection Stand

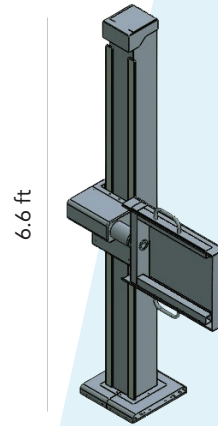
FLOOR MOUNTED TUBE STAND

- Compatible With any X-ray solution (HF/LF)
- Smooth and easy Operation
- Fully Counter-balanced movement
- Easy alignment of Tube Column and and Bucky Stand



Vertical Bucky

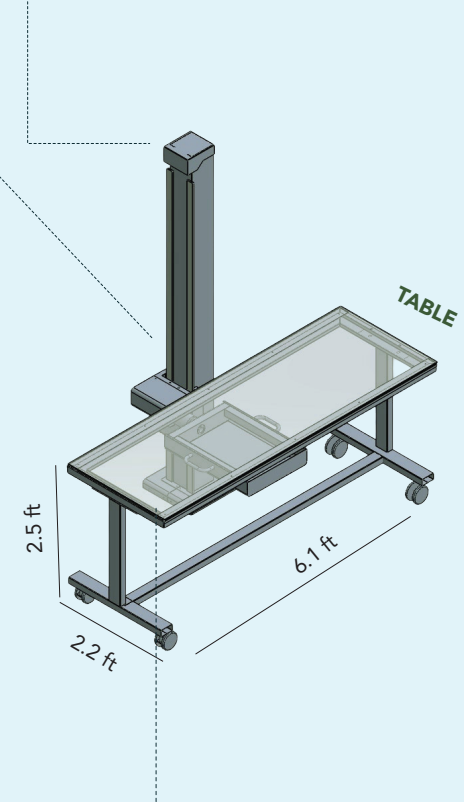
- Easy to Perform all X-Ray Studies
- Appropriate for Load Bearing X-Ray like Spine, Abdomen, Pelvis
- +90 movement from vertical to Horizontal position
- Rotating & Tilted Bucky
- No need to buy 17"X17" FPD
- Single 14"X17" retrofit Panel enough to perform all type of X-Rays



Available in (Fixed / Rotating Column)

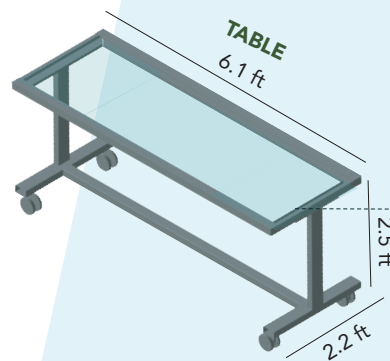
Single Column floor mounted DR Protection Stand

- Suitable for small X-Ray rooms
- Compatible with existing fixed X-Ray Machine
- Compatible with Mobile X-Ray Machine



ROBUST & COST EFFECTIVE

- Easy Installation & Smooth Function
- Affordable
- High Quality Mild Steel structure
- No cost for Vertical Bucky, Chest Stand, LLI Stand
- Zero Investment on additional FPD Panel
- 0% damage cost

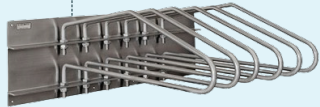


TOUGHENED GLASS TOP TABLE

- High load bearing capacity
- Easy movement in all directions
- Transparent glass top for easy position of patient and appropriate image quality
- 200 Kg weight capacity

Apron Stand & Hanger

Wall Mount - 5 Hanger



- SS 304 Grade
- Rust Free
- High Load bearing capacity

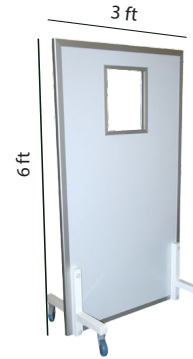
5 /10 Hanger Capacity



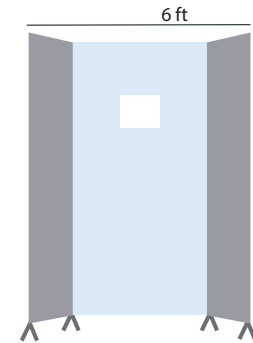
Moveable

Lead Protection Barrier

Available in
Single / Triple Panel



Single Protection Barrier



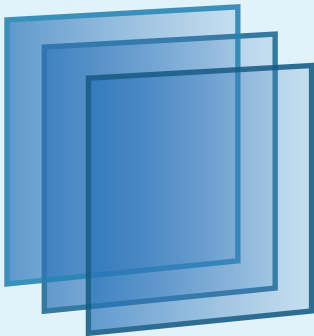
Triple Protection Barrier

Pb Strenth

- 1 mm
- 1.5 mm
- 2 mm

Lead Glass

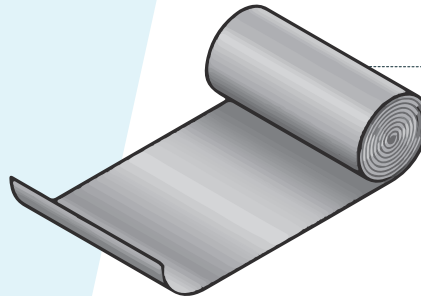
- *Lead Glass Optional
- Size 4 Inch X 5 Inch
- Size 8 Inch X 10 Inch



Lead Sheet

Available in

- Lead equivalence
- 0.5 mm / 1 mm / 1.5 mm / 2mm



Purest Lead Sheet 99.9 %

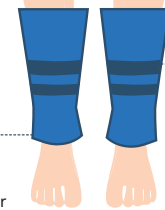
Standard Size (Roll Size)

- 6 ft x 3 ft
- 6 ft x 4 ft
- 7 ft x 3 ft
- 7 ft x 4 ft

Leg Gaurd

Complete Protection to the Lower part of
the body from Scattered Radiation .

One size Fits all



Valcro Closure for easy
adjustments.

Protects the legs
from radiation exposer

* Note - Lead Glass , Lead Sheet , Leg Gaurd, Protection Barrier Images are for reference purpose only.



- Office
- 📍 Channel Partner
- Manufacturing



📍 Connect with us to get the right information & help choose the right product

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