

# LOW LEAD / LIGHT WEIGHT AND SUPER LEAD FREE APRON

We carry protective apron in lead-free and Light weight materials, to suffice customers that willing to pay premium for lightest apparels. Super Lead Free takes advantage of the physics associated with using individual layers of specific materials to provide maximum attenuation by eliminating the effects of fluorescence and secondary scatter radiation with the low atomic weight metals used in Lead-free or light weight composites. Our Super Lead Free apron is the best choice for medical practioners working at radiology, cathlab and operation theatre.



# LEAD, LOW LEAD/LIGHT WEIGHT OR LEAD FREE APRON?

Below is a comparison Lead (Lead Polymer) and Low Lead/Light Weight and super lead free apron in various aspects, to help the user in determination of type of apron to be used.

### Media

Lead (Regular Lead)

Light W eight Lead / Low Lead

Lead Free / Super Lead Free

### **Benefits**

Most Economical and Recyclable

Lighter than Regular Lead and Recyclable

Lightest Weight, no lead and Environmentally Friendly

### Protection

100% Lead in a vinyl resin

Composed of 75-85% metallic lead, encapsulated in a vinyl resin and plasticiser matrix.

Composed of 75-85% heavy metal composites, NOT including lead,encapsulated in a vinyl resin and plasticiser matrix.

### Attenuation

0.5mmPb Equiv. Protection averages > 96% Attenuation

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0.5mmPb Equiv. Protection averages > 96% Attenuation

### Weight

Around 10 times heavier than normal apron of the same size

> Around 20% lighter than lead

Around 20% lighter than Low Lead / Light Weight

### **FABRIC COLOUR**

### **420D RIPSTOP DIAMOND NYLON FABRIC**













**FLRS-06 SAPPHIRE** 

FLRS-10A ONYX

FLRS-14 RUBY FLRS-31 EMERALD

FLRS-39 PERIDOT

FLRS-16 SHADOW

### 420D OXFORD POLYESTER + PU COATING













**ZLOF-01 BLUE** 

**ZLOF-02 WINE RED** 

ZLOF-03 OLIVE

**ZLOF-04 NAVY BLUE** 

**ZLOF-05 ORANGE** 

**LXOF-06 BEAR** 

\* Please contact our office to check the fabric availability

### **LOCAL TEST**



Kementerian Sains, Teknologi dan Inovasi Bangi, 43000 Kajang, Selangor Darul Ehsan, Malaysia Tel: 603-8911 2000 Faks: 603-8911 2173 Web: https://www.nuclearmalaysia.gov.my

### SIJIL UJIAN KETEBALAN PERISAI NO. SIJIL: D(E6(12)) 2409140

A: KETERANGAN MENGENAI PEMILIK SAMPEL

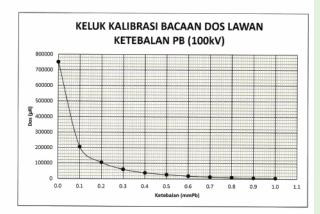
Nama Pemilik: Alamat: Eightfold Sdn Bhd, 69-1, Jalan SS19/6, 47500 Subang Jaya, SELANGOR.

B: KETERANGAN MENGENAI SAMPEL YANG DIUJI

	Bil	Sampel yang diuji	Titik	Ketebalan Kesetaraan Plumbum	Ketidakseragaman	
	1.	Lead Free Sheet MALRAY	A	0.58 mmPb	5720	
		0.25mmPb x 2	В	0.58 mmPb	0.28 %	
			C	0.59 mmPb		

### C: KEPUTUSAN DAN PENGESAHAN

Adalah dengan ini disahkan bahawa sampel di atas telah melalui ujian ketebalan perisai pada 02.09.2024 dan didapati keputusan ketebalan kesetaraan Pb adalah seperti tertera di atas. Walaubagaimanapun ujian ini adalah sah bagi posisi-posisi yang telah diukur sahaja.



Rajah I: Keluk kalibrasi (calibration curve) bacaan dos ( $\mu R$ ) melawan ketebalan Pb (mm) pada jarak 50 cm SSD.

Jadual 2: Bacaan dos untuk pelbagai ketebalan Pb semasa pengukuran keluk tentukuran

Ketebalan (mmPb)	Purata Dose (µR)
0.0	751833.33
0.1	205400.00
0.2	105000.00
0.3	61033.33
0.4	38986.67
0.5	27093.33

### Sample materials tested by Agensi Nuklear Malaysia

In addition to various international test certificates, materials use to fabricate MALRay low lead and lead free apron has obtained relevant test certificates from Agensi Nuclear Malaysia.

**Custom Made Benefit**: Custom made ensure best fit and comfort when wearing. On the other hand, it reduces overall weight of the apron by around 5 – 10%. Please fill out the following form and submit for a pricing quote on all custom apparel. All custom sized apparel will include an additional fee for each item ordered. Custom sized apparel is non-refundable, non-returnable.

CUSTOM SIZE APPAREL			
Please use the provided CAT numbers and pricing for each custom apparel item			
ACP1	For custom made aprons, vests and skirts		
ACP2 For custom made accessories items (ex: Thyroid, Gonadal, Semi Guard)			
ACP3	For embroidery up to double line and a maximum of 20 letters		

Name:	Facility:			Date :
Apron CAT#.: D	escription :			
Lead Type: Light Weight / Lead Free	Lead Equivalent:	mmPb	Fabric color:	
EMBROIDERY LINE 1, UP TO 10 LETTERS:				
EMBROIDERY LINE 2, UP TO 10 LETTERS:				

# A E G

### GETTING ACCURATE MEASUREMENTS (all in cm)

GENDER: M / F HEIGHT: \_\_\_\_\_ cm

	_		
Α	Length ( L ) -	Measure from sternal notch to knee cap	cm
В	Neck ( NK ) -	Measure <b>circumference</b> around the neck	cm
С	Chest (C)-	Measure <b>circumference</b> around the widest part of your chest	cm
D	Waist (W) -	Measure <b>circumference</b> 1" above navel	cm
Е	Hips (H)-	Measure <b>circumference</b> around the widest part of hips	cm
F	Vest Length - (VL)	Measure from sternal notch to navel	cm
G	Skirt Length - (SL)	Measure from navel to knee cap	cm

Please submit this information with the order

### RADIATION PROTECTION APRON

### FOR STAFF & PATIENT USE

### **DOUBLE SIDE FULL WRAP (FULL OVERLAP APRON)**

Wrap around, full-body protection coat-style garment. Distributes weight between shoulders and hips. 0.5mmPb equivalency protection front, 0.25mm back. Buckle closure. Generous armholes for EZ-fit.

Suitable for use in medical imaging, OT, cathlab and diagnostic department that poses risk of frequent exposure to X-ray environment.

CAT# : EGWA / EWWA

Material : Super Lead Free / Light Weight Lead Equiv. : Front 0.5 / Back 0.25mmPb

Embroidery Option : YES

Size : S, M, L, XL, 2XL, Custom Made



### **DOUBLE SIDE FULL OVERLAP VEST AND SKIRT**

Full wrap full overlap vest and skirt 2 pieces design, distributes weight between shoulders and hips. 0.5mmPb equivalency protection front, 0.25mm back. Combination of velcro and buckle closure to secure fastening position and ensure comfortable fit. Generous armholes for EZ-fit.

Suitable for use in medical imaging, OT, cathlab, diagnostic department that poses risk of frequent exposure to X-ray environment.

CAT# : EGVG , EGKG / EWVG , EWKG

Material : Super Lead Free / Light Weight
Lead Equiv. : Front 0.5 / Back 0.25mmPb

Embroidery Option : YES

Size : S , M , L , XL , 2XL, Custom Made



### SINGLE SIDE FRONT APRON WITH ELASTIC BACK

All Purpose Front Protection Apron. EZ-On / EZ-Off. Available with an easy criss-cross elastic back, hook and loop closure on the front. Perfect for every day imaging protection

Suitable for use in medical imaging / diagnostic department that poses risk of frequent exposure to X-ray environment.

CAT# : EGEZ / EWEZ

Material : Super Lead Free / Light Weight

Lead Equiv. : 0.35 / 0.5mmPb

Embroidery Option : YES

Size : S , M , L , XL , 2XL, Custom Made



### **DOUBLES SIDE FULL WRAP PARTIAL OVERLAP APRON - MAX GUARD**

Wrap around, full-body protection coat-style garment for MAXI-MUM PROTECTION. Distributes weight between shoulders and hips. 0.35 / 0.5mmPb equivalency protection front, Velcro / Buckle closure. Generous armholes for EZ-fit.

Suitable for use in medical imaging, OT, cathlab and diagnostic department that poses risk of frequent exposure to X-ray environment.

CAT# : EGMG / EWMG

Material : Super Lead Free / Light Weight

Lead Equiv. : 0.35 / 0.5mmPb

Embroidery Option : YES

Size : S, M, L, XL, 2XL, Custom Made



### **SURGICAL DROP AWAY APRON**

The drop away apron is projected to be used at operation theatre where apron is required for surgery for shorter periods of time. The apron is fasten on both shoulders with quick release buckles to allow the apron to be removed during procedures when protection is no longer required. Pressing the shoulder clips through the sterile gown allows the apron to drop to the floor without compromising the sterility of the healthcare professional.

CAT# : EGSA / EWSA

Material : Super Lead Free / Light Weight

Lead Equiv. : 0.35 / 0.5mmPb Size : S , M , L , XL , 2XL



### **DENTAL GUARD**

Dental apron provides protection in the case of the vertex occlusal examination, especially in a patient who is, or may be, pregnant. On the other hand, the use of a lead apron may reassure patients that every effort is being made to ensure their safety.



### Panaromic Dental Drapes - with collar

CAT# : EWDA-5F Material : Light Weight

/ Super Lead Free

Lead Equiv : 0.5mmPb

Size : Adult - 700mm(L) x

570mm(W)

Child - 580mm(L) x 450mm(W)



### **Panaromic Dental Drapes**

CAT# : EWDP-5A /5C Material : Light Weight

/ Super Lead Free

Lead Equiv : 0.5mmPb

Size : Adult - 700mm(L) x 610mm(W)



**Panaromic Dental Drapes - Short** 

CAT# : EWDS-5F Material : Light Weight Lead Equiv : 0.5mmPb

Size : Adult - 380mm(L) x

420mm(W)

### **THYROID GUARD**

Thyroid/collar guard should be used in all examinations where the thyroid may be exposed to the main beam or to a considerable amount of scatter radiation. MALRAY thyroid guards are design to provide essential shield area to cover thyroid gland position and at the same time remain soft to reduce patient discomfort.



### **HAT GUARD**

Protection for head. Hook and Loop fitted closure.



CAT# : EWCS / EGCS

Material : Light Weight / Super Lead Free

Lead Equiv. : 0.5mmPb

Head Circumference up to 18"

### **Thyroid Guard - Monolithic type**

CAT# : EWTM / EGTM

Material : Light Weight / Super Lead Free

Lead Equiv : 0.35 / 0.5mmPb Neck size : Adult - 15" to 23"

Child - 11" to 16"

### **Thyroid Guard - Visor type**

CAT# : EWTG / EGTG

Material : Light Weight / Super Lead Free

Lead Equiv : 0.35 / 0.5mmPb Neck size : 15" to 22"

### Thyroid Guard - All round (US) type

CAT# : EWTR / EGTR

Material : Light Weight / Super Lead Free

Lead Equiv : 0.35 / 0.5mmPb Neck size : 15" to 21"

### **HAND GUARD**

Five fingered protection for full dexterity. 0.5mmPb. Equivalency. Durable, soft vinyl covering. Sell as a pair.





CAT# : ELHG Material : Lead LT Lead Equiv. : 0.5mmPb

Size : M - 350mm(L) x 120mm(W)

L - 350mm(L) x 130mm(W)

### HALF APRON - LAP GUARD



Easy-to-use hook and loop / Buckle Closure Excellent protection for patient and staff.

CAT# : ELLG / EWLG / EGLG

Material : Lead LT / Light Weight / Super Lead Free

Lead Equiv. : 0.35 / 0.5mmPb Size : P, S, M, L, XL, FAB-2

### **BREAST GUARD**



The breast shield is primarily used in head and neck imaging. The shield features adjustable belt for proper positioning. The neck area is empty, allowing visibility of the upper spine and bones during x-ray, while offering protection to the breast area.

CAT# : EWBG / EGBG

Material : Light Weight / Super Lead Free

Lead Equiv : 0.5mmPb

Size : Adult - 7"(L) x 6"(W)

Child - 4 1/2"(L) x 4"(W)

### **DENTAL THYROID GUARD**



Dental thyroid/ collar guard should be used in dental examinations where the thyroid may be exposed to the main beam or to a considerable amount of scatter radiation.

### **Dental Collar**

CAT# : ELTD / EWTD

Material : Lead LT / Light Weight

Lead Equiv : 0.5mmPb Neck size : 12" - 20"

### **GONADAL GUARD / OVARIAN GUARD**



Protects the ovaries of female or gonad of male patients during X-rays in medical diagnostics. The unite design velcro belt with snap buckle fasterner guarantees easy putting on and taking off and a comfortable size adjustment. Comply with IEC 61331-1. Attached belt with 1" buckle. 0.5mmPb equivalency protection. Available in three sizes.

### Belt type (Set of 3)

CAT# : EWOB / EGOB

Material : Light Weight / Super Lead Free

Lead Equiv. : 0.5 / 1.0mmPb

Size : S - 140mm(L) x 115mm(W)

M - 200mm(L) x 165mm(W) L - 220mm(L) x 180mm(W)

# WHY YOU SHOULD PROTECT YOUR EYES FROM RADIATION EXPOSURE

Requiring hospital staff, doctors and x-ray technicians to wear lead glasses is an important step to helping prevent x-ray radiation damage to the eyes. Lead glasses can greatly reduce the risk of x-ray radiation exposure to only 2-3%. There are several risks with leaving the eyes unprotected from x-ray radiation exposure. At the time of unprotected x-ray radiation exposure, most people do not experience any pain. However, it is very common to experience a dull pain in exposed tissues, including the eyes, within 1 to 3 hours of the x-ray radiation exposure. Exposure to x-ray radiation can also cause swelling and first degree burns.

### **COVER-GUARD**



Comfortable protection over regular glasses. Excellent front and side visibility. Provides limited splash protection. Can be worn over prescription eyewear. Regular hinges with molded nose piece. Includes 0.75mmPb glass side shields. Includes premium case.

CAT# : ELEC Lead Equiv. : 0.75mmPb Frame : Black rubberized nylon Weight : 108g

### **FITOVER GUARD**



Designed to be worn over prescription eye glasses. Optional detachable inner frame to fit permanent prescription lenses. Lead glasses for radiation protection. Fits large sized faces. Above industry standard protection with 0.75mmPb lead glass lenses. Includes comfortable cotton retention strap and protective storage case. (Prescription lens by others)

CAT# : ELEF Lead Equiv. : 0.75mmPb Frame : Rubberized nylon Weight : 112g

### **SPORT GUARD**



Lead glasses lenes for radiation protection. The lens is resistant to minor wear and scratches. Ergonomics design which offers maximum comfort. Suitable for heavy duties and high utilisation environment.

Above industry standard protection with 0.75mmPb lead glass lenses. Includes comfortable retention sport style strap and protective storage case.

CAT# : ETEP Lead Equiv. : 0.75mmPb Frame : Rubberized nylon Weight : 116g

### **COMFORT GUARD**



Light weight design, lead glasses for radiation protection. The lens is resistant to minor wear and scratches. Ergonomics design offers maximum comfort.

Lead glass lenses with 0.75mmPb protection can be custom made with prescriptions. Includes comfortable retention strap and protective storage case.

CAT# : ETEM Lead Equiv. : 0.75mmPb

Frame : Rubberized nylon Weight : 70g (standard unit only)

### X-RAY PROTECTION GLASSES

X-ray protective glasses is lightweight and comfortable, designed to reduce scatter radiation by as much as 60%, special flipping design with panorama view. (actual reduction is dependent upon imaging technique used)



CAT# : EAEP
Material : Lead Acrylic
Lead Equiv : 0.08mmPb
Weight : 55g

### X-RAY PROTECTION FACE SHIELD

Design for the protection of eyes and face during radialogical procedures to reduce potential hazards from radiation exposure. Because of the multi-adjustment headpiece, you can amgle the mask to protect from radiation in many different positions as well as adjust the size to comfortably fit your head.









### X-RAY PROTECTION FACE SHIELD - FULL FACE STYLE

CAT# : EAFF

Material : Lead Acrylic Lead Equiv : 0.12mmPb Weight : 360g

### X-RAY PROTECTION FACE SHIELD - HALF FACE STYLE

CAT# : EAFH
Material : Lead Acrylic
Lead Equiv : 0.12mmPb
Weight : 360g

### **DISPOSABLE SCATTER DRAPE**



Disposable scatter drapes are designed to protect surgeons and technicians from scatter radiation during surgical procedures without adding extra weight. These drapes are lead-free and latex-free, offering tailored coverage for various procedures. Made from our advanced Prolite core material, disposable scatter drapes provide over 20% more protection against higher radiation exposures compared to competitors. The exterior features our highly absorbent Activ material with a plastic laminated inner layer for enhanced protection. Additionally, high-quality 3M adhesive ensures that the drape remains securely in place throughout the procedure.

### **Shielding Efficency**:

More than 60% under 80kV

Meets BS EN 61331-1:2014 test requirements for determination of attenuation characteristics of lead-free vinyl materials using improved wide-beam geometry (Eder and Schlattl, 2018)

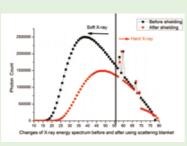
### WORKING PRINCIPLE

The core materials are Aluminum and Tungsten, Aluminum shields low energy soft X photons from the patient's scattering, and Tungsten shields scattered rays and secondary fluorescene.

Aluminium	13	Shield low energy soft X photons	
Tungsten	74	Shield scattered rays and secondary fluorescene	

### **ADVANTAGE**

Reduce the radiation dose and improve clarity of medical scansduring surgery



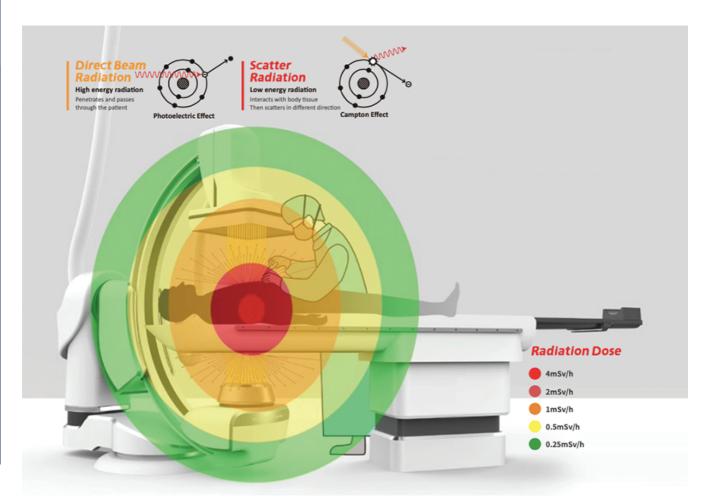
Changes of X-ray energy spectrum before and after using



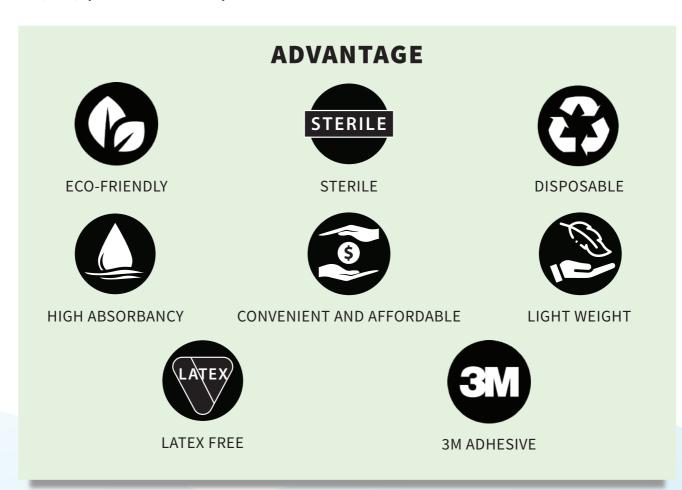
**EFFECTS ON IMAGING** 

Before After

Energy	80kV
Shielding Efficiency	60%



Through the shielding of low-energy radiation and secondary scattering X-ray, Disposable Scatter Drape can improve clarity of medical scans in interventional surgery, and effectively reduce the radiation dose received by patients, as well as can reduce the annual radiation dose of the doctors and weak protective parts, such as hands, arms, face, eyes and head effectively.



### **DISPOSABLE COLLAR & CAP**

The thyroid collars and caps are available in a disposable version, made of a soft spun bound material. This style provides a single use hygienic option. Absorbent, non irritating liner protects you from dirt and perspiration.



### **Disposable Collar**

CAT# : EDDTHY-4

Material : Lead Free, Latex-free

Lead Equiv. : 0.125mmPb Size : Small / Large

### **Disposable Cap**

CAT# : EDDCAP-4

Material : Lead Free, Latex-free

Lead Equiv. : 0.125mmPb Size : Free Size

### **DISPOSABLE DRAPE**

During interventional surgery, disposable drape is placed on the surgical sheet, and spread over the patient's irradiated area.



### **Anglography Drape**

CAT# : EDAD-4

Material : Lead Free, Latex-free

Lead Equiv : 0.35mmPb Fenestration : 2" Circle

Size : 370mm x 420mm

Procedures : Anglography, Coronary Catheterization, UFE, Pelvic Surgery and TACE



### **Biliary Split Drape**

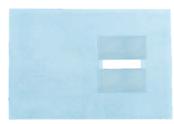
CAT# : EDBD-4

Material : Lead Free, Latex-free

Lead Equiv : 0.35mmPb Fenestration : 5" Slit

Size : 370mm x 420mm

Procedures : Transjugular intraheptic portosystematic shunt (TIPS)



### **Dialysis Drape**

CAT# : EDDSD-4

Material : Lead Free, Latex-free

Lead Equiv : 0.35mmPb

Fenestration: 114mm X 9" Rectangle Slit

Size : 370mm x 229mm

Procedures : Dialysis access and declotting, Fistulagram



### **EP Left Subclavian Drape**

CAT# : EDEPD-4

Material : Lead Free, Latex-free

Lead Equiv : 0.35mmPb

Fenestration: 3.25" x 2.25" Scoop Size: 280mm x 410mm

Procedures: Bi-ventricular pacemaker implants, BI-ventricular pacing & ICS procedures

### **DISPOSABLE DRAPE**



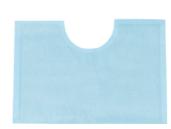
### **EP Drape - Large**

CAT# : EDEPD-4L

Material : Lead Free, Latex-free

Lead Equiv : 0.35mmPb
Fenestration : 5.75" x 3" Scoop
Size : 410mm x 410mm

Procedures : Bi-ventricular pacemaker implants, BI-ventricular pacing & ICS procedures



### **EP Drape - Small**

CAT# : EDEPD-4S

Material : Lead Free, Latex-free

Lead Equiv : 0.35mmPb Fenestration : 5.75" x 3" Scoop Size : 280mm x 410mm

Procedures : Bi-ventricular pacemaker implants, BI-ventricular pacing & ICS procedures



### Jugular Access / TIPS Drape

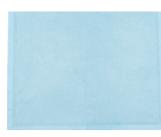
CAT# : EDJUG-4

Material : Lead Free, Latex-free

Lead Equiv : 0.35mmPb Fenestration : 5" Slit

Size : 350mm x 450mm

Procedures : Transjugular intraheptic portosystematic shunt (TIPS)



### **Multipurpose Drape**

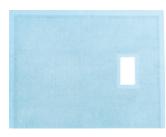
CAT# : EDMPD-4

Material : Lead Free, Latex-free

Lead Equiv : 0.35mmPb Fenestration : None

Size : 350mm x 450mm

Procedures : Needle Biopsy or Puncture procedures



### **Multipurpose Drape with Fenestration**

CAT# : EDMPDF-4

Material : Lead Free, Latex-free

Lead Equiv : 0.35mmPb

Fenestration : 3.5" x 2" Rectangle Size : 350mm x 450mm

Procedures : Needle Biopsy or Puncture procedures



### **Peripheral Drape**

CAT# : EDPPD-4

Material : Lead Free, Latex-free

Lead Equiv : 0.35mmPb Fenestration : None

Size : 305mm x 889mm

Procedures : Peripheral procedures w/ access through the femoral artery

### MOBILE LEAD SCREEN WITH WINDOW



Mobile Lead Screen with lead Screen features a 2.00mm Pb equivalence and comes in two standard sizes. Custom made model is available.

- with 4 lockable castle wheels
- lead glass window
- Lead Equivalent = 2.0mmPb

CAT#: : MLS0919

Dimension: Standard Panel - MLS2-S: 850mm(W) x 1880mm(H)

: Wide Panel - MLS2-S12: 1200mm(W) x 1880mm(H)

Glass size : 150mm x 200mm , 200mm x 300mm , 300mm x 400mm

### **MOBILE LEAD APRON HANGER**



Solid and durable mobile 5/10 swing arm apron rack organizes and protects up to 10 X-ray aprons in a traditional garment-style rack. Ideal radiation protection storage solution for a busy radiology department. 10 pivoted arms fan out for flexibility to easily store and retrieve aprons. Locking casters glide smoothly for easy mobility.

CAT#: : ESMH-05 (5-arms)

ESMH-10 (10-arms)

Materials: : Full stainless steel arms and frame

: 75mm swivel wheel x 4, 2 lockable diagonally fit.

Dimension : 540mm(L) x 570mm(D) x 1340mm(H)

Overall weight : 5-arms - 17kg, 10-arms - 22.5kg

\*the dimension varies slightly between batches.

### MOBILE RADIATION SHIELD FOR CHEST X-RAY



- Full stainless steel 304 construction
- Stable frame and smooth movement
- Easy disassemble for long distance travelling

CAT# : EMRS + EWMC-5S Lead Shield Dim : 760mm(H) x 610mm(W) Base dimension : 550mm x 450mm

Overall Height : 1540mm

Adjustable range : 780mm - 1500mm

Stainless Steel Base with 4 swivel wheels, 2 lockable

### WALL MOUNTED APRON HANGER - 5-ARMS PEG RACK (ECONOMIC)



5-arms stainless steel hangers with mounting plate made of grade 304 stainless steel. Arm height 192mm from the lowest joint to the highest point. The hanger arms can flatten out nearly 180 degrees. Arms extend perpendicular from the wall on which the unit is mounted 530mm at the maximum point. When stored flat, the overall dimension is  $0 \text{mm}(L) \times 260 \text{mm}(W) \times 160 \text{mm}(H)$ 

CAT#: : ESWH-05

Product dimension : 530mm(L) x 250mm(D) x 250mm(H) Package dimention : 800mm(L) x 300mm(D) x 200mm(H)

Max. Load : 5-arms - 70kg

Overall Weight : 5.5kg

### WALL MOUNTED APRON HANGER - 5-ARMS PEG RACK (ECONOMIC)



1/3/5 aprons rack (stainless steel)

- Stainless steel apron hanger organizes and protects up to 5 X-ray aprons in a wall mounted rack with 140mm pegs.

CAT# : ESWH-5C-SS

### SINGLE APRON HANGER TYPE A



- Double layer hanger suitable for all kinds of Radiation Protection Apron especially vest and skirt
- Swivelling hook allows the hanger to rotate in any direction
- Made of Stainless Steel SS304 rectangular section
- Contain no sharp edge with ends protection
- Easy to set and take off apron
- Made in Malaysia with after sale services

CAT# : ESSH-1A-SS
Materials: : Stainless Steel 304
Dimension : 165mm(H) x 500mm(L)

### SINGLE APRON HANGER TYPE B



- Single layer hanger suitable for all kinds of Radiation Protection Apron
- Swivelling hook allows the hanger to rotate in any direction
- Made of Stainless Steel SS304 round tube
- Contain no sharp edge with ends protection
- Easy to set and take off apron
- Made in Malaysia with after sale services

CAT# : ESSH-1B-SS
Materials: : Stainless Steel 304
Dimension : 135mm(H) x 500mm(L)

### SINGLE APRON HANGER TYPE C



- Single layer hanger suitable for all kinds of Radiation Protection Apron
- Made of Stainless Steel SS304 8mm Diameter rod
- Contain no sharp edge with upward ends
- Easy to set and take off apron
- Made in Malaysia with after sale services

CAT# : ESSH-1C-SS
Materials: : Stainless Steel 304
Dimension : 135mm(H) x 500mm(L)

### SINGLE APRON HANGER TYPE D - DOUBLE LAYER



- Double Layer hanger suitable for vest and skirt
- Swiveling hook allows the hanger to rotate in any direction
- Made of heavy duty stainless Steel SS304, 8mm diameter rod
- Contain no sharp edge with upward ends
- Easy to set and take off apron
- Made in Malaysia with after sale services

CAT# : ESSH-1D-SS
Materials: : Stainless Steel 304
Dimension : 245mm(H) x 540mm(L)

### SINGLE HOOK FOR SINGLE HANGER



- Sturdy wall mounted hook for imaging apron use

CAT# : ESSH-1H-SS Materials: : Stainless Steel 304

Dimension: 45mm(H) x 68mm(L), 4mm THK hook

### **MOBILE X-RAY APRON HANGER ADAPTER**



- Adapter for Mobile X-ray hook up to 58mmW x 3mm THK

CAT# : ESSH-MXHA Materials: : Stainless Steel 304

Dimension: 170mm x 65mm(L), 4mm THK hook

## SCAN ME FOR MORE INFORMATION

