

PROTECTION CATALOGUE



PASSIONATE ABOUT PROTECTION

When it comes to x-ray protection, Rothband is a name you can trust.

With over 100 years experience in designing and manufacturing x-ray garments, you can be confident that when you choose us, you are buying from a company who is passionate in providing radiation protection to healthcare professionals.

All Rothband products are manufactured in the UK, to the very highest standards, using the highest quality materials which help us produce some of the most durable products on the market.

Over the years, we have extended our portfolio and in addition to this protection catalogue we now offer a separate accessories catalogue. Which is available from your local Rothband representative.



www.facebook.com/Rothband



[@rothbandxray](https://twitter.com/rothbandxray)





Our History

Rothband started life in the Manchester home of "W.S" himself manufacturing small makeup/sponge bags from waterproof cloth ("guaranteed not to crack"), using a readily available work force. Recent research however, may point to an earlier start in 1840, under a different name, but certainly with the same product range.

Rubber sheeting, ("WSRM" trademark) for bed protection, was the mainstay of the business by the turn of the century and continued to be a major line, selling all over the world and to "poor institutions, sanitary, lunatic asylums, delinquent schools" and most popular hospitals in the UK until the 1950s.

Even so, when the Company was incorporated in 1954, the Memorandum still allowed for the selling of "glass eyes, false legs and surgical pre-requisites", although this side of the business declined after the birth of the NHS. Around 1910 a relative working in the rainwear industry with a chemistry background introduced the idea of leaded rubber for use as an "X-RAY CLOTH" - hence the Rothband lead apron was born.

The earliest surviving sales literature is dated 28th January 1911; the "proof" radiograph is reproduced here, together with an early example of our catalogue. Unfortunately, we cannot claim to have protected Röntgen, but we know of no other current manufacturer with a longer history in the field

Developments since then have been the introduction of leaded gloves (patented), double-sided aprons, shoulder fastenings, coat style aprons for all round protection (patented), closed-side aprons, theatre aprons for easy removal and padded shoulders, which for years have been our hallmark (now widely imitated): all the time with the emphasis on comfort and minimum weight, without sacrificing protection.

The X-Ray side of the business has continued to expand necessitating our recent move to larger premises in Burnley, with exports around the world where the name "ROTHBAND" is synonymous in this field with the best in quality, comfort, innovation and value for money.

2018 saw us achieve ISO 9001: 2015 status.



QUALITY STANDARDS



ISO 9001:2015 compliant



Conformity to (EU) 2016/425 PPE Regulation



Medical Devices conform to MDR (EU) 2017/745



Core material testing in accordance with the safety requirements of IEC 61331-1: 2014 BBG*



Product designs comply to IEC 61331-3: 2014

To see our certifications and Declarations of Conformity please visit www.rothband.com

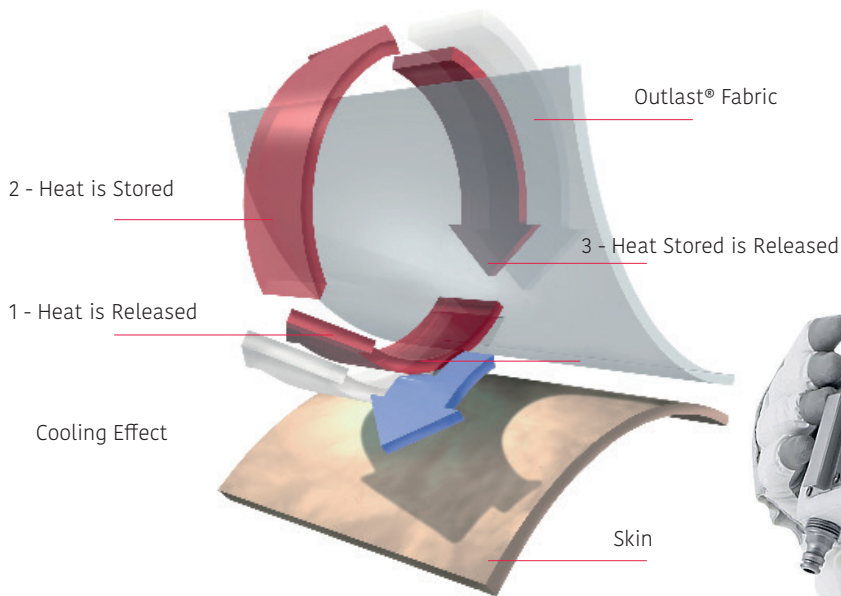




Now Available with Outlast® Technology

Outlast® technology, originally developed for NASA, utilizes phase change materials (PCM) that absorb, store and release heat for optimal thermal comfort. Outlast® technology is comparable to ice in a drink; as it changes from solid to liquid, it absorbs heat and cools the drink, keeping that drink at the desired temperature for longer. Outlast® phase change materials work in the same way, but are microencapsulated to be permanently enclosed and protected in a polymer shell. We call microencapsulated phase change materials Thermocules™.

This encapsulation process makes the Thermocules™ exceptionally durable for many applications. These Thermocules™ can be incorporated into fabrics and fibres and have the capacity to absorb, store and release excess heat. This gives any product containing Outlast® technology the ability to continually regulate skin's micro-climate. As the skin gets hot, the heat is absorbed, and as it cools, that heat is released.





SIMPLE AND EFFECTIVE PPE MANAGEMENT



THE PROBLEM

Radiation protection equipment has many different styles and degrees of protection. In addition, multiple departments within the same facility often purchase and use such equipment independently of each other.

X-Ray departments are usually accountable for the tracking and maintenance of testing records. These factors make record-keeping of radiation protection equipment both challenging and time-consuming.



SIMPLE TO USE
INTERFACE

RETROFIT
TO EXISTING
APRONS

ACTIVELY
ASSIST THE
TESTING
PROCESS

THE SOLUTION

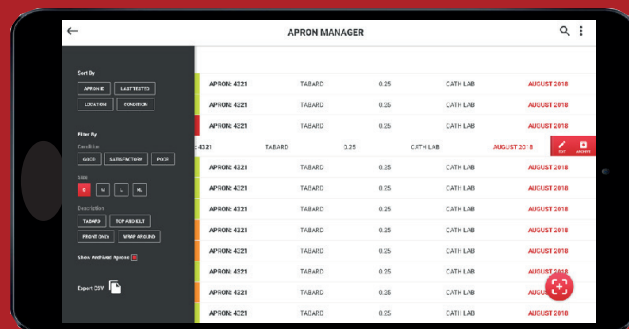
Rothband's new X-Ray Track app greatly simplifies the tracking of radiation protection equipment. It works on all computers and Android TABLETS, helping you get the job done on the go.

Simply input details of your facility's radiation equipment into our software, then attach one of our labels to the garment. These labels feature QR codes garment to its relevant information and assisting in compliance to GS1 standards.

This easy-to-use system helps you track the shelf life of each garment as well as more easily organise testing and safeguard employee safety.

You can even request quotations for repairs or replacement Rothband equipment without leaving the app.

**X-RAY TRACK HELPS TO STREAMLINE
PPE MANAGEMENT, MAKING
ASSET MAINTENANCE QUICK AND SIMPLE.**



MANAGE ALL YOUR
APRONS IN ONE PLACE

CORE MATERIALS

LIGHTWEIGHT LEAD

The traditional material for protective aprons. Lead offers a low cost, dependable solution for your protective apron. Lightweight Lead is heavier than our Edge Bilayer protective material options.

EDGE BILAYER - LEAD FREE

Edge Bilayer methodology is the single biggest advancement in flexible radiation protection materials for medical environments for more than a generation.

Traditional Lead-free and Lead composite products, containing low atomic weight metals, either exclusively or in a mixed metal composite, can't match the performance of traditional Lead products due to the K-edge effect and resulting fluorescence at key levels of keV within scatter radiation.

Tested and certified for attenuation and Lead equivalence by the National Physical Laboratory (NPL) in the UK, against a full range of kV (50kV to 110kV) using broad beam geometry, Edge Bilayer performs in accordance with all major standards.

Symbol	Content	Lead Equivalence	Attenuation (%)						Weight Kg/M ² (area Density)
			50 kVp	70 kVp	90 kVp	110 kVp	120 kVp	150 kVp	
 Lightweight Lead	Lead	0.25 mm Pb	98.8	95.1	90.7	87.5	86.2	82.7	3.3
		0.35 mm Pb	99.7	97.6	94.5	92.3	91.3	88.6	4.6
		0.5 mm Pb	>99.9	99.1	97.4	96.1	95.5	93	6.6
 Edge Bilayer Lead Free	Antimony & Bismuth	0.25 mm Pb	98.7	96.1	92	87.8			2.76
		0.35 mm Pb	99.6	98.0	95.3	92.7			3.86
		0.5 mm Pb	>99.9	99.4	97.8	96.3			5.6

All Testing performed at the National Physics Laboratory

CHOOSING THE RIGHT MATERIAL

In order to maintain the lightest version of Edge Bilayer Lead Free material, the Edge Bilayer Lead Free material is tested up to 110KV.



This decision is in line with IEC 61331-2014 BGC* and makes the material suitable for most imaging procedures, including interventional and cardiac work.*

For high KV environments, an apron that has been tested up to 150KV may be more appropriate.

Please remember, scatter radiation has a lower energy than the direct beam.

*Always consult with your RPA before choosing a lead apron material.

STANDING OUT FROM THE CROWD



UK Based Manufacturing



Low Carbon Footprint

UK based suppliers, help to reduce the impact on the environment.



Durable Design

Polymer technology creates a robust protective material that stands up well to the demands of a modern imaging department.



Bilayer Technology

We were the first UK company to successfully introduce Bilayer Technology into the UK market, allowing more people to benefit from a better protection at a lighter weight.



Infection Control

With a combination of durable fabrics and antimicrobial coatings we are constantly developing our product range to help in the fight of cross contamination.



PERSONAL PROTECTION



60%

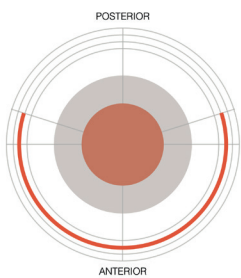
PROTECTION GUIDELINES

Are you getting the right protection?

The PPE we manufacture for radiation protection needs to conform to the new (EU) 2016/425 PPE Regulation. Part of that regulation includes design requirements which determines how different levels of protection are achieved and labelled.

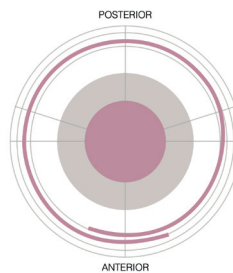
The Labelled protection, must cover 60% (front) of the largest given chest size.

To help illustrate how we achieve this in our products and to help you select the right garment, we have put together a guide. (NB Images are not to scale. True overlap may differ from that illustrated by this guide.)



FRONT ONLY

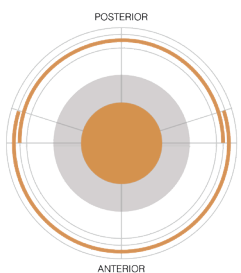
This design offers protection only at the front, typically used in vet practices and rarely advised in healthcare.



CLOSED

Our closed designs offer great coverage at the sides, as it is worn like a jacket.

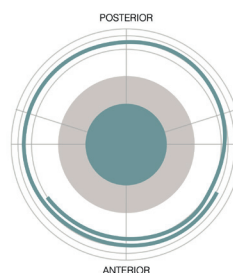
This coverage can be found in our PV and TOPC designs.



TABARD

The tabard has a front section that provides optimum protection to the anterior which then overlaps with a back section.

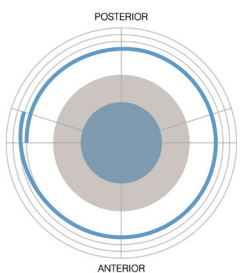
This coverage can be found in our SC, TH and TOPS designs.



WRAP

This design is similar to the closed design, but offers a greater area of double protection.

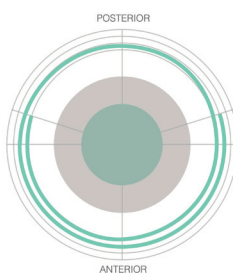
This coverage can be found in our PVW, KTW and TOPW designs.



HALF CLOSED

This design provides a 'closed' protection at one side and an open side for ventilation.

This coverage can be found in our DRC and TOPD designs.



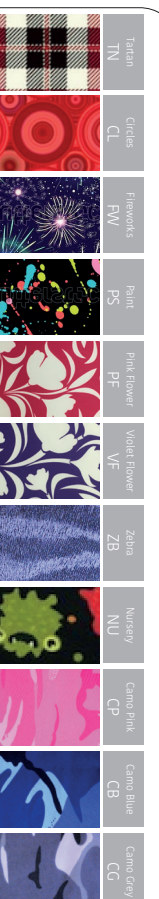
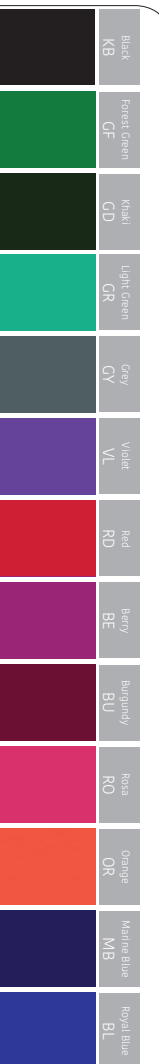
FULL WRAP

This design offers the greatest degree of overlap.

Where overlap occurs, the apron can be labelled at a higher LE

This coverage can be found in our TOPF and KTF designs.

PERSONAL PROTECTION



SHOULDER CLIP



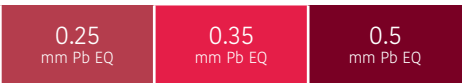
- One of our most popular designs and an original Rothband innovation.
 - Simple to put on/off.
 - Open sides allow access to pockets and better ventilation.
 - Easily adjusts to a variety of body shapes.
- SIZING:**
- This tabard design has open sides so when sizing you should ensure there is sufficient overlap between the front and back sections.
 - When measuring, take a chest, waist and hip measurement and choose the largest, to ensure correct sizing.
- NOTES:**
- Buckle fastening comes as standard on this design.
 - There are options to have the buckle at the front or a velcro closure.

CORE MATERIAL



Front Pb	Back Pb	Lgth	Size (X)	Lightweight Lead	Edge Bilayer
0.25 mm	0.25mm	85	P/S/M/L/XL/XXL	SC285 X	SCK285 X
0.25 mm	0.25mm	90	P/S/M/L/XL/XXL	SC290 X	SCK290 X
0.25 mm	0.25mm	100	P/S/M/L/XL/XXL	SC210 X	SCK210 X
0.25 mm	0.25mm	110	P/S/M/L/XL/XXL	SC211 X	SCK211 X
0.25 mm	0.25mm	120	P/S/M/L/XL/XXL	SC212 X	SCK212 X
0.35 mm	0.35mm	85	P/S/M/L/XL/XXL	SC385 X	SCK385 X
0.35 mm	0.35mm	90	P/S/M/L/XL/XXL	SC390 X	SCK390 X
0.35 mm	0.35mm	100	P/S/M/L/XL/XXL	SC310 X	SCK310 X
0.35 mm	0.35mm	110	P/S/M/L/XL/XXL	SC311 X	SCK311 X
0.35 mm	0.35mm	120	P/S/M/L/XL/XXL	SC312 X	SCK312 X
0.5 mm	0.5mm	85	P/S/M/L/XL/XXL	SC585 X	SCK585 X
0.5 mm	0.5mm	90	P/S/M/L/XL/XXL	SC590 X	SCK590 X
0.5 mm	0.5mm	100	P/S/M/L/XL/XXL	SC510 X	SCK510 X
0.5 mm	0.5mm	110	P/S/M/L/XL/XXL	SC511 X	SCK511 X
0.5 mm	0.5mm	120	P/S/M/L/XL/XXL	SC512 X	SCK512 X

LEAD EQUIVALENCE



SIZES



LENGTHS



FASTENINGS



OPTIONS



Please remember, that we manufacture these garments to order. Whilst we have listed standard sizes, other sizes are available.

THEATRE



A great design for those who may need to remove the apron whilst sterile. The two shoulder clip design, allows the apron to completely separate into two halves making it easy to release from under sterile gowns.

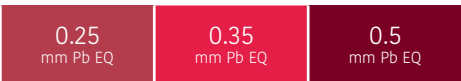
- SIZING:**
- This tabard design has open sides so when sizing you should ensure there is sufficient overlap between the front and back sections.
 - When measuring, take a chest, waist and hip measurement and choose the largest, to ensure correct sizing.
- NOTES:**
- Buckle fastening comes as standard on this design. There are options to have the buckle at the front or a velcro closure.
 - Unless these options are specified, standard Buckles will be provided.

CORE MATERIAL



Front Pb	Back Pb	Lgth	Size (X)	Lightweight Lead	Edge Bilayer
0.25 mm	0.25mm	85	P/S/M/L/XL/XXL	TH285 X	THK285 X
0.25 mm	0.25mm	90	P/S/M/L/XL/XXL	TH290 X	THK290 X
0.25 mm	0.25mm	100	P/S/M/L/XL/XXL	TH210 X	THK210 X
0.25 mm	0.25mm	110	P/S/M/L/XL/XXL	TH211 X	THK211 X
0.25 mm	0.25mm	120	P/S/M/L/XL/XXL	TH212 X	THK212 X
0.35 mm	0.35mm	85	P/S/M/L/XL/XXL	TH385 X	THK385 X
0.35 mm	0.35mm	90	P/S/M/L/XL/XXL	TH390 X	THK390 X
0.35 mm	0.35mm	100	P/S/M/L/XL/XXL	TH310 X	THK310 X
0.35 mm	0.35mm	110	P/S/M/L/XL/XXL	TH311 X	THK311 X
0.35 mm	0.35mm	120	P/S/M/L/XL/XXL	TH312 X	THK312 X
0.5 mm	0.5mm	85	P/S/M/L/XL/XXL	TH585 X	THK585 X
0.5 mm	0.5mm	90	P/S/M/L/XL/XXL	TH590 X	THK590 X
0.5 mm	0.5mm	100	P/S/M/L/XL/XXL	TH510 X	THK510 X
0.5 mm	0.5mm	110	P/S/M/L/XL/XXL	TH511 X	THK511 X
0.5 mm	0.5mm	120	P/S/M/L/XL/XXL	TH512 X	THK512 X

LEAD EQUIVALENCE



SIZES



LENGTHS



FASTENINGS



OPTIONS



Please remember, that we manufacture these garments to order. Whilst we have listed standard sizes, other sizes are available.

SOLID COLOURS

- Royal Blue (BL)
- Marine Blue (MB)
- Orange (OR)
- Rosa (RO)
- Burgundy (BU)
- Berry (BE)
- Red (RD)
- Violet (VL)
- Grey (GY)
- Light Green (GR)
- Khaki (GD)
- Forest Green (GF)
- Black (KB)

PATTERNS

- Camo Grey (CG)
- Camo Blue (CB)
- Camo Pink (CP)
- Nursery (NU)
- Zebra (ZB)
- Violet Flower (VF)
- Pink Flower (PF)
- Paint (PS)
- Fireworks (FW)
- Circles (CL)
- Tartan (TN)

PERSONAL PROTECTION

SOLID COLOURS

- KB Black
- GF Forest Green
- GD Dark Green
- GR Light Green
- GY Grey
- VL Violet
- RD Red
- BE Berry
- BU Burgundy
- RO Rosa
- OR Orange
- MB Marine Blue
- BL Royal Blue

PATTERNS

- TN Tartan
- CL Circles
- FW Fireworks
- PS Paint
- PF Pink Flower
- VF Violet Flower
- ZB Zebra
- NU Nursery
- CP Camo Pink
- CB Camo Blue
- CG Camo Grey

DR C



Originally designed, by Rothband, for a radiologist called Dr Carmichael - hence the name, offers better protection by having one side closed for those who always work side-on to the table. (right closed is the standard configuration, left is an option.)

SIZING:

- This design has an open side so when sizing you should ensure there is sufficient overlap between the front and back section.
- When measuring, take a chest, waist and hip measurement and choose the largest, to ensure correct sizing.

NOTES:

- Buckle fastening comes as standard on this design.
- THIS GARMENT COMES WITH LEFT SIDE OPEN UNLESS OTHERWISE SPECIFIED**

CORE MATERIAL



LEAD EQUIVALENCE

0.25 mm Pb EQ	0.35 mm Pb EQ	0.5 mm Pb EQ
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SIZES



LENGTHS

85	90	100	110	120
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FASTENINGS



OPTIONS



Front Pb	Back Pb	Lgth	Size (X)	Lightweight Lead	Edge Bilayer
0.25 mm	0.25mm	85	P/S/M/L/XL/XXL	DR285 X	DRK285 X
0.25 mm	0.25mm	90	P/S/M/L/XL/XXL	DR290 X	DRK290 X
0.25 mm	0.25mm	100	P/S/M/L/XL/XXL	DR210 X	DRK210 X
0.25 mm	0.25mm	110	P/S/M/L/XL/XXL	DR211 X	DRK211 X
0.25 mm	0.25mm	120	P/S/M/L/XL/XXL	DR212 X	DRK212 X
0.35 mm	0.35mm	85	P/S/M/L/XL/XXL	DR385 X	DRK385 X
0.35 mm	0.35mm	90	P/S/M/L/XL/XXL	DR390 X	DRK390 X
0.35 mm	0.35mm	100	P/S/M/L/XL/XXL	DR310 X	DRK310 X
0.35 mm	0.35mm	110	P/S/M/L/XL/XXL	DR311 X	DRK311 X
0.35 mm	0.35mm	120	P/S/M/L/XL/XXL	DR312 X	DRK312 X
0.5 mm	0.5mm	85	P/S/M/L/XL/XXL	DR585 X	DRK585 X
0.5 mm	0.5mm	90	P/S/M/L/XL/XXL	DR590 X	DRK590 X
0.5 mm	0.5mm	100	P/S/M/L/XL/XXL	DR510 X	DRK510 X
0.5 mm	0.5mm	110	P/S/M/L/XL/XXL	DR511 X	DRK511 X
0.5 mm	0.5mm	120	P/S/M/L/XL/XXL	DR512 X	DRK512 X

Please remember, that we manufacture these garments to order. Whilst we have listed standard sizes, other sizes are available.



WRAPAROUND MK I



This design provides comfort and extra protection where you need it the most.

Higher neck line provides better sternum protection and the overlap at the front gives you extra protection where you need it most.

- SIZING:**
- This wraparound design only has 100mm velcro strip so please ensure you select the right size.
 - When measuring, take a chest, waist and hip measurement and choose the largest.

- NOTES:**
- This design is the lightest option for a full length closed apron.

CORE MATERIAL



Lightweight Lead

Edge Bilayer Lead Free

LEAD EQUIVALENCE

0.25 mm Pb EQ	0.35 mm Pb EQ	0.5 mm Pb EQ
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SIZES



LENGTHS

85	90	100	110	120
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FASTENINGS



SUPPORT BELT

OPTIONS



EMBROIDERY

POCKET

POCKET EMBROIDERY

DOSIMETRY PKT

OUTLAST

Front Pb	Back Pb	Lgth	Size (X)	Lightweight Lead	Edge Bilayer
0.25 mm	0.25mm	85	P/S/M/L/XL/XXL	PV285 X	PVK285 X
0.25 mm	0.25mm	90	P/S/M/L/XL/XXL	PV290 X	PVK290 X
0.25 mm	0.25mm	100	P/S/M/L/XL/XXL	PV210 X	PVK210 X
0.25 mm	0.25mm	110	P/S/M/L/XL/XXL	PV211 X	PVK211 X
0.25 mm	0.25mm	120	P/S/M/L/XL/XXL	PV212 X	PVK212 X
0.35 mm	0.35mm	85	P/S/M/L/XL/XXL	PV385 X	PVK385 X
0.35 mm	0.35mm	90	P/S/M/L/XL/XXL	PV390 X	PVK390 X
0.35 mm	0.35mm	100	P/S/M/L/XL/XXL	PV310 X	PVK310 X
0.35 mm	0.35mm	110	P/S/M/L/XL/XXL	PV311 X	PVK311 X
0.35 mm	0.35mm	120	P/S/M/L/XL/XXL	PV312 X	PVK312 X
0.5 mm	0.5mm	85	P/S/M/L/XL/XXL	PV585 X	PVK585 X
0.5 mm	0.5mm	90	P/S/M/L/XL/XXL	PV590 X	PVK590 X
0.5 mm	0.5mm	100	P/S/M/L/XL/XXL	PV510 X	PVK510 X
0.5 mm	0.5mm	110	P/S/M/L/XL/XXL	PV511 X	PVK511 X
0.5 mm	0.5mm	120	P/S/M/L/XL/XXL	PV512 X	PVK512 X

Please remember, that we manufacture these garments to order. Whilst we have listed standard sizes, other sizes are available.

SOLID COLOURS

- Royal Blue (BL)
- Marine Blue (MB)
- Orange (OR)
- Rosa (RO)
- Burgundy (BU)
- Berry (BE)
- Red (RD)
- Violet (VL)
- Grey (GY)
- Light Green (CR)
- Khaki (GD)
- Forest Green (GF)
- Black (KB)

PATTERNS

- Camo Grey (CG)
- Camo Blue (CB)
- Camo Pink (CP)
- Nursery (NU)
- Zebra (ZB)
- Violet Flower (VF)
- Pink Flower (PF)
- Paint (PS)
- Fireworks (FW)
- Circles (CL)
- Tartan (TN)



PERSONAL PROTECTION

SOLID COLOURS

- KB Black
- GF Forest Green
- MD Mink
- LG Light Green
- GY Grey
- VL Violet
- RD Red
- BE Berry
- BU Burgundy
- RO Rosa
- OR Orange
- MB Marine Blue
- BL Royal Blue

PATTERNS

- TN Tartan
- CL Circles
- FW Fireworks
- PI Paint
- PS Polka Dots
- PF Pink Flower
- VF Violet Flower
- ZB Zebra
- NU Nursery
- CP Camo Pink
- CB Camo Blue
- CG Camo Grey

WRAPAROUND MK II



Our Wraparound MK II range, provides double protection in the important centre-front area.

SIZING: When measuring, take a chest, waist and hip measurement and choose the largest.

NOTES:

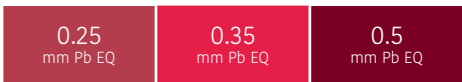
- The double protection is only achieved at the overlap, therefore this is unsuitable for people requiring a labelled 0.5 front protection.
- NB FULL WRAP OPTIONS IN THIS DESIGN, (OFFERING 0.5MMPB LABELLED PROTECTION) ARE AVAILABLE.**

CORE MATERIAL



Front Pb	Back Pb	Lgth	Size (X)	Lightweight Lead	Edge Bilayer
0.25 mm	0.25mm	85	P/S/M/L/XL/XXL	PWW285 X	PVWK285 X
0.25 mm	0.25mm	90	P/S/M/L/XL/XXL	PWW290 X	PVWK290 X
0.25 mm	0.25mm	100	P/S/M/L/XL/XXL	PWW210 X	PVWK210 X
0.25 mm	0.25mm	110	P/S/M/L/XL/XXL	PWW211 X	PVWK211 X
0.25 mm	0.25mm	120	P/S/M/L/XL/XXL	PWW212 X	PVWK212 X
0.35 mm	0.35mm	85	P/S/M/L/XL/XXL	PWW385 X	PVWK385 X
0.35 mm	0.35mm	90	P/S/M/L/XL/XXL	PWW390 X	PVWK390 X
0.35 mm	0.35mm	100	P/S/M/L/XL/XXL	PWW310 X	PVWK310 X
0.35 mm	0.35mm	110	P/S/M/L/XL/XXL	PWW311 X	PVWK311 X
0.35 mm	0.35mm	120	P/S/M/L/XL/XXL	PWW312 X	PVWK312 X
0.5 mm	0.5mm	85	P/S/M/L/XL/XXL	PWW585 X	PVWK585 X
0.5 mm	0.5mm	90	P/S/M/L/XL/XXL	PWW590 X	PVWK590 X
0.5 mm	0.5mm	100	P/S/M/L/XL/XXL	PWW510 X	PVWK510 X
0.5 mm	0.5mm	110	P/S/M/L/XL/XXL	PWW511 X	PVWK511 X
0.5 mm	0.5mm	120	P/S/M/L/XL/XXL	PWW512 X	PVWK512 X

LEAD EQUIVALENCE



SIZES



LENGTHS



FASTENINGS



SUPPORT BELT

OPTIONS

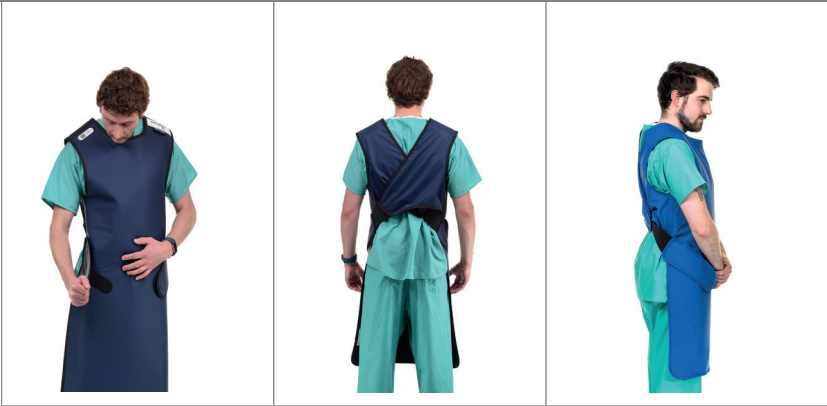


EMBROIDERY POCKET POCKET EMBROIDERY DOSIMETRY PKT OUTLAST



Please remember, that we manufacture these garments to order. Whilst we have listed standard sizes, other sizes are available.

VARIWEIGHT



The Variweight Apron is one of our front-only aprons that is extremely popular in veterinary practices and surgeries. As there is no lead in the rear panels, the weight is drastically reduced and makes it much more comfortable to wear for long periods of time.

- SIZING:**
- This design is very versatile and can be easily adjusted.
 - Please ensure you select the correct size to ensure proper coverage.

- NOTES:**
- The back sections of the vary weight do not contain any protective materials.
 - These can be added at additional cost.

CORE MATERIAL



Front Pb	Back Pb	Lgth	Size (X)	Lightweight Lead	Edge Bilayer
0.25 mm	0.25mm	85	P/S/M/L/XL/XXL	VW285 X	VWK285 X
0.25 mm	0.25mm	90	P/S/M/L/XL/XXL	VW290 X	VWK290 X
0.25 mm	0.25mm	100	P/S/M/L/XL/XXL	VW210 X	VWK210 X
0.25 mm	0.25mm	110	P/S/M/L/XL/XXL	VW211 X	VWK211 X
0.25 mm	0.25mm	120	P/S/M/L/XL/XXL	VW212 X	VWK212 X
0.35 mm	0.35mm	85	P/S/M/L/XL/XXL	VW385 X	VWK385 X
0.35 mm	0.35mm	90	P/S/M/L/XL/XXL	VW390 X	VWK390 X
0.35 mm	0.35mm	100	P/S/M/L/XL/XXL	VW310 X	VWK310 X
0.35 mm	0.35mm	110	P/S/M/L/XL/XXL	VW311 X	VWK311 X
0.35 mm	0.35mm	120	P/S/M/L/XL/XXL	VW312 X	VWK312 X
0.5 mm	0.5mm	85	P/S/M/L/XL/XXL	VW585 X	VWK585 X
0.5 mm	0.5mm	90	P/S/M/L/XL/XXL	VW590 X	VWK590 X
0.5 mm	0.5mm	100	P/S/M/L/XL/XXL	VW510 X	VWK510 X
0.5 mm	0.5mm	110	P/S/M/L/XL/XXL	VW511 X	VWK511 X
0.5 mm	0.5mm	120	P/S/M/L/XL/XXL	VW512 X	VWK512 X

LEAD EQUIVALENCE

0.25 mm Pb EQ	0.35 mm Pb EQ	0.5 mm Pb EQ
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SIZES



LENGTHS



OPTIONS



EMBROIDERY

POCKET



POCKET EMBROIDERY

DOSIMETRY PKT

OUTLAST



Please remember, that we manufacture these garments to order. Whilst we have listed standard sizes, other sizes are available.

SOLID COLOURS



PATTERNS



PERSONAL PROTECTION



STANDARD TOP



The Standard Top is essentially a shorter version of our Shoulder Clip full length apron, which features a buckle-clip fastening on the shoulder which keeps the apron in place, and allows for quick and easy removal once the clip is pressed.

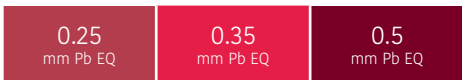
- SIZING:**
- This tabard design has open sides so when sizing you should ensure there is sufficient overlap between the front and back sections.
 - When measuring length ensure you achieve at least 100mm overlap between the top and the kilt.
- NOTES:**
- There is also the option for twin shoulder clip. (Offering the same benefits as the TH design.)
 - Rear buckle fastening is provided as standard.

CORE MATERIAL



Front Pb	Back Pb	Lgth	Size (X)	Lightweight Lead	Edge Bilayer
0.25 mm	0.25mm	58	P/S/M/L/XL	TOPS2 X	TOPSK2 X
0.25 mm	0.25mm	60	P/S/M/L/XL	TOPS2 X	TOPSK2 X
0.25 mm	0.25mm	65	P/S/M/L/XL	TOPS2 X	TOPSK2 X
0.35 mm	0.35mm	58	P/S/M/L/XL	TOPS3 X	TOPSK3 X
0.35 mm	0.35mm	60	P/S/M/L/XL	TOPS3 X	TOPSK3 X
0.35 mm	0.35mm	65	P/S/M/L/XL	TOPS3 X	TOPSK3 X
0.5 mm	0.5mm	58	P/S/M/L/XL	TOPS5 X	TOPSK5 X
0.5 mm	0.5mm	60	P/S/M/L/XL	TOPS5 X	TOPSK5 X
0.5 mm	0.5mm	65	P/S/M/L/XL	TOPS5 X	TOPSK5 X

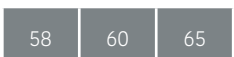
LEAD EQUIVALENCE



SIZES



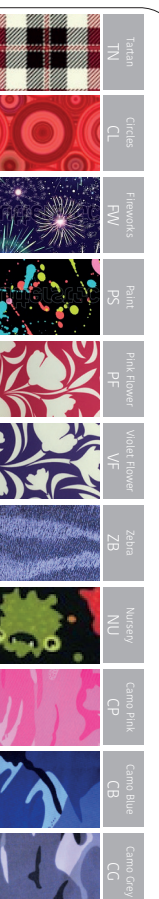
LENGTHS



FASTENINGS



OPTIONS



WRAP TOP



The Wrap Top features a seamless wrap-around design that provides double protection in the important 'centre-front' area.

SIZING:

- Large area of velcro allows this design to be adjusted easily.
- When measuring length, ensure you achieve at least 100mm overlap between the top and the kilt.

NOTES:

- The double protection is only achieved at the overlap, therefore this is unsuitable for people requiring a labelled 0.5 /0.7 front protection.
- **NB FULL WRAP OPTIONS IN THIS DESIGN, (OFFERING 0.5MMPB LABELLED PROTECTION) ARE AVAILABLE.**

CORE MATERIAL



Front Pb	Back Pb	Lgth	Size (X)	Lightweight Lead	Edge Bilayer
0.25 mm	0.25mm	58	P/S/M/L/XL	TOPW2 X	TOPWK2 X
0.25 mm	0.25mm	60	P/S/M/L/XL	TOPW2 X	TOPWK2 X
0.25 mm	0.25mm	65	P/S/M/L/XL	TOPW2 X	TOPWK2 X
0.35 mm	0.35mm	58	P/S/M/L/XL	TOPW3 X	TOPWK3 X
0.35 mm	0.35mm	60	P/S/M/L/XL	TOPW3 X	TOPWK3 X
0.35 mm	0.35mm	65	P/S/M/L/XL	TOPW3 X	TOPWK3 X

LEAD EQUIVALENCE

0.25 mm Pb EQ	0.35 mm Pb EQ	0.5 mm Pb EQ
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SIZES

P S M L XL XXL CUSTOM

LENGTHS

58 60 65

OPTIONS



EMBROIDERY POCKET



POCKET EMBROIDERY DOSIMETRY PKT OUTLAST



SOLID COLOURS

Royal Blue	BL	
Marine Blue	MB	
Orange	OR	
Rosa	RO	
Burgundy	BU	
Berry	BE	
Red	RD	
Violet	VL	
Grey	GY	
Light Green	CR	
Khaki	GD	
Forest Green	CF	
Black	KB	

PATTERNS

Camo Grey	CG	
Camo Blue	CB	
Camo Pink	CP	
Nursery	NU	
Zebra	ZB	
Violet Flower	VF	
Pink Flower	PF	
Paint	PS	
Fireworks	FW	
Circles	CL	
Tartan	TN	

PERSONAL PROTECTION

SOLID COLOURS

- KB Black
- GF Forest Green
- KD Kaki
- QR Light Green
- GY Grey
- VL Violet
- RD Red
- BE Berry
- BU Burgundy
- RO Rosa
- OR Orange
- MB Marine Blue
- BL Royal Blue

PATTERNS

- TN Tartan
- CL Circles
- FW Fireworks
- PS Paint
- PF Pink Flower
- VF Violet Flower
- ZB Zebra
- NU Nursery
- CP Coral Pink
- CB Coral Blue
- CG Coral Grey

ENDURANCE TOP



Our Endurance Top has been designed for use in longer procedures.

The Endurance Top includes features to reduce fatigue, making this one of our most comfortable aprons.

SIZING:

- This design has an elasticated waist section which provides a snug fit.
- When measuring length ensure you achieve at least 100mm overlap between the top and the kilt.

NOTES:

- Our Endurance Top (and Kilt) was worn by Adam Wallwork as he ran the 2019 London Marathon in a respectable 4 hours, 17 minutes and 22 seconds.

CORE MATERIAL



Front Pb	Back Pb	Lgth	Size (X)	Lightweight Lead	Edge Bilayer
0.25 mm	0.25mm	58	P/S/M/L/XL	TOPB2 X	TOPBK2 X
0.25 mm	0.25mm	60	P/S/M/L/XL	TOPB2 X	TOPBK2 X
0.25 mm	0.25mm	65	P/S/M/L/XL	TOPB2 X	TOPBK2 X
0.35 mm	0.35mm	58	P/S/M/L/XL	TOPB3 X	TOPBK3 X
0.35 mm	0.35mm	60	P/S/M/L/XL	TOPB3 X	TOPBK3 X
0.35 mm	0.35mm	65	P/S/M/L/XL	TOPB3 X	TOPBK3 X
0.5 mm	0.5mm	58	P/S/M/L/XL	TOPB5 X	TOPBK5 X
0.5 mm	0.5mm	60	P/S/M/L/XL	TOPB5 X	TOPBK5 X
0.5 mm	0.5mm	65	P/S/M/L/XL	TOPB5 X	TOPBK5 X

LEAD EQUIVALENCE

0.25 mm Pb EQ 0.35 mm Pb EQ 0.5 mm Pb EQ

SIZES

P S M L XL XXL CUSTOM

LENGTHS

58 60 65

OPTIONS

EMBROIDERY POCKET

POCKET EMBROIDERY DOSIMETRY PKT OUTLAST



Please remember, that we manufacture these garments to order. Whilst we have listed standard sizes, other sizes are available.



JACKET TOP



The Jacket Style Top features a centre fastening design, which is secured by a zip. This style of top provides a good degree of protection as both sides are closed.

- SIZING:**
- This design is best suited for personal aprons as there is little size adjustment available.
 - When measuring length ensure you achieve at least 100mm overlap between the top and the kilt.
- NOTES:**
- This zip design is great for keeping the weight to an absolute minimum as no overlap is required.

CORE MATERIAL



Front Pb	Back Pb	Lgth	Size (X)	Lightweight Lead	Edge Bilayer
0.25 mm	0.25mm	58	P/S/M/L/XL	TOPC2 X	TOPCK2 X
0.25 mm	0.25mm	60	P/S/M/L/XL	TOPC2 X	TOPCK2 X
0.25 mm	0.25mm	65	P/S/M/L/XL	TOPC2 X	TOPCK2 X
0.35 mm	0.35mm	58	P/S/M/L/XL	TOPC3 X	TOPCK3 X
0.35 mm	0.35mm	60	P/S/M/L/XL	TOPC3 X	TOPCK3 X
0.35 mm	0.35mm	65	P/S/M/L/XL	TOPC3 X	TOPCK3 X
0.5 mm	0.5mm	58	P/S/M/L/XL	TOPC5 X	TOPCK5 X
0.5 mm	0.5mm	60	P/S/M/L/XL	TOPC5 X	TOPCK5 X
0.5 mm	0.5mm	65	P/S/M/L/XL	TOPC5 X	TOPCK5 X

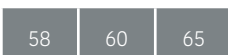
LEAD EQUIVALENCE

0.25 mm Pb EQ	0.35 mm Pb EQ	0.5 mm Pb EQ
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SIZES



LENGTHS

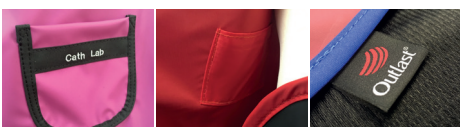


OPTIONS



EMBROIDERY

POCKET



POCKET EMBROIDERY

DOSIMETRY PKT

OUTLAST

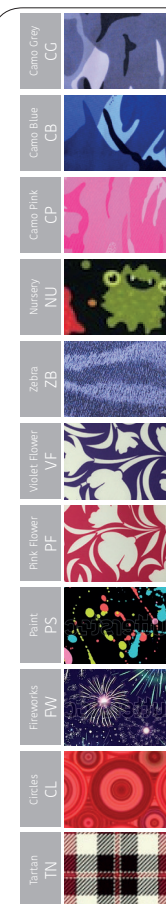


Please remember, that we manufacture these garments to order. Whilst we have listed standard sizes, other sizes are available.

SOLID COLOURS



PATTERNS



PERSONAL PROTECTION

SOLID COLOURS

- KB Black
- GF Forest Green
- GD Dark Green
- GR Light Green
- GY Grey
- VL Violet
- RD Red
- BE Berry
- BU Burgundy
- RO Rosa
- OR Orange
- MB Marine Blue
- BL Royal Blue

PATTERNS

- TN Tartan
- CL Circles
- FW Fireworks
- PS Paint
- PF Pink Flower
- VF Violet Flower
- ZB Zebra
- NU Nursery
- CP Camo Pink
- CB Camo Blue
- CG Camo Grey

DR STYLE TOP



The DR Style Top follows similar design as the DRC Apron, having one side fully closed and the other open to allow ventilation.

This top is best for those who work side-on to the X-Ray source.

- SIZING:**
- This design has an open side so when sizing you should ensure there is sufficient overlap between the front and back section.
 - When measuring, take a chest, waist and hip measurement and choose the largest, to ensure correct sizing.

- NOTES:**
- Buckle fastening comes as standard on this design.
 - THIS GARMENT COMES WITH LEFT SIDE OPEN UNLESS OTHERWISE SPECIFIED**

CORE MATERIAL



Front Pb	Back Pb	Lgth	Size (X)	Lightweight Lead	Edge Bilayer
0.25 mm	0.25mm	58	P/S/M/L/XL	TOPD2 X	TOPDK2 X
0.25 mm	0.25mm	60	P/S/M/L/XL	TOPD2 X	TOPDK2 X
0.25 mm	0.25mm	65	P/S/M/L/XL	TOPD2 X	TOPDK2 X
0.35 mm	0.35mm	58	P/S/M/L/XL	TOPD3 X	TOPDK3 X
0.35 mm	0.35mm	60	P/S/M/L/XL	TOPD3 X	TOPDK3 X
0.35 mm	0.35mm	65	P/S/M/L/XL	TOPD3 X	TOPDK3 X
0.5 mm	0.5mm	58	P/S/M/L/XL	TOPD5 X	TOPDK5 X
0.5 mm	0.5mm	60	P/S/M/L/XL	TOPD5 X	TOPDK5 X
0.5 mm	0.5mm	65	P/S/M/L/XL	TOPD5 X	TOPDK5 X

LEAD EQUIVALENCE

0.25
mm Pb EQ

0.35
mm Pb EQ

0.5
mm Pb EQ

SIZES

P

S

M

L

XL

XXL

CUSTOM

Please remember, that we manufacture these garments to order. Whilst we have listed standard sizes, other sizes are available.

LENGTHS

58

60

65






FASTENINGS





BUCKLE-STANDARD BUCKLE-FRONT VELCRO

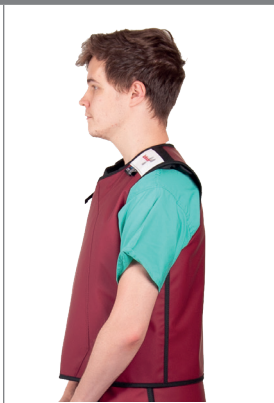
OPTIONS

EMBROIDERY POCKET POCKET EMBROIDERY DOSIMETRY PKT OUTLAST



FULL WRAP TOP



This design incorporates additional panels of protection which provide full coverage across the front of the apron.

- SIZING:**
- Having the correct level of overlap is critical in this design.
 - When measuring length ensure you achieve at least 100mm overlap between the top and the kilt.

- NOTES:**
- The overlapped panel will always be black.
 - Different colours can be selected for the additional panels.

CORE MATERIAL



Lightweight Lead



Edge Bilayer Lead Free

Front Pb	Back Pb	Lgth	Size (X)	Lightweight Lead	Edge Bilayer
0.5 mm	0.25mm	58	P/S/M/L/XL	TOPF2 X	TOPFK2 X
0.5 mm	0.25mm	60	P/S/M/L/XL	TOPF2 X	TOPFK2 X
0.5 mm	0.25mm	65	P/S/M/L/XL	TOPF2 X	TOPFK2 X
0.35 mm	0.35mm	58	P/S/M/L/XL	TOPF3 X	TOPFK3 X
0.35 mm	0.35mm	60	P/S/M/L/XL	TOPF3 X	TOPFK3 X
0.35 mm	0.35mm	65	P/S/M/L/XL	TOPF3 X	TOPFK3 X

LEAD EQUIVALENCE

0.25 mm Pb EQ	0.35 mm Pb EQ	0.5 mm Pb EQ
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SIZES



LENGTHS

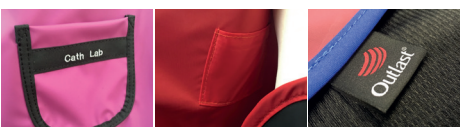


OPTIONS



EMBROIDERY

POCKET



POCKET EMBROIDERY

DOSIMETRY PKT

OUTLAST



X-RAY TRACK

SOLID COLOURS

- Royal Blue (BL)
- Marine Blue (MB)
- Orange (OR)
- Rosa (RO)
- Burgundy (BU)
- Berry (BE)
- Red (RD)
- Violet (VL)
- Grey (GY)
- Light Green (GR)
- Khaki (GD)
- Forest Green (GF)
- Black (KB)

PATTERNS

- Camo Grey (CG)
- Camo Blue (CB)
- Camo Pink (CP)
- Nursery (NU)
- Zebra (ZB)
- Violet Flower (VF)
- Pink Flower (PF)
- Paint (PS)
- Fireworks (FW)
- Circles (CL)
- Tartan (TN)

PERSONAL PROTECTION

SOLID COLOURS

- KB Black
- GF Forest Green
- KD Dark
- QR Light Green
- GY Grey
- VL Violet
- RD Red
- BE Berry
- BU Burgundy
- RO Rosa
- OR Orange
- MB Marine Blue
- BL Royal Blue

PATTERNS

- TN Tartan
- CL Circles
- FW Fireworks
- PI Paint
- PS Polka Dots
- PF Pink Flower
- VF Violet Flower
- ZB Zebra
- NU Nursery
- CP Camo Pink
- CB Camo Blue
- CG Camo Grey

3-PIECE KILT



The 3-Piece Kilt is made from 3 overlapping panels attached to a velcro fastening waistband. This style of kilt fits a variety of body shapes, whilst allowing for a wide range of movement without restriction.

- SIZING:**
- Consideration should be given to the hip measurement when ordering this design.
 - When measuring length ensure you achieve at least 100mm overlap between the top and the kilt.
 - Ensure the kilt is sitting correctly on the waist when considering length.

- NOTES:**
- With an extra security clip fitted to the waistband, slippage of the kilt is greatly reduced.

CORE MATERIAL



LEAD EQUIVALENCE

0.25 mm Pb EQ	0.35 mm Pb EQ	0.5 mm Pb EQ
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SIZES

P	S	M	L	XL	XXL	CUSTOM
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LENGTHS

53	58	60	65
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OPTIONS



EMBROIDERY

POCKET



Front Pb	Back Pb	Lgth	Size (X)	Lightweight Lead	Edge Bilayer
0.25 mm	0.25mm	53	P/S/M/L/XL	KT285 X	KT285 X
0.25 mm	0.25mm	58	P/S/M/L/XL	KT290 X	KT290 X
0.25 mm	0.25mm	60	P/S/M/L/XL	KT210 X	KT210 X
0.25 mm	0.25mm	65	P/S/M/L/XL	KT211 X	KT211 X
0.35 mm	0.35mm	53	P/S/M/L/XL	KT385 X	KT385 X
0.35 mm	0.35mm	58	P/S/M/L/XL	KT390 X	KT390 X
0.35 mm	0.35mm	60	P/S/M/L/XL	KT310 X	KT310 X
0.35 mm	0.35mm	65	P/S/M/L/XL	KT311 X	KT311 X
0.5 mm	0.5mm	53	P/S/M/L/XL	KT585 X	KT585 X
0.5 mm	0.5mm	58	P/S/M/L/XL	KT590 X	KT590 X
0.5 mm	0.5mm	60	P/S/M/L/XL	KT510 X	KT510 X
0.5 mm	0.5mm	65	P/S/M/L/XL	KT511 X	KT511 X

Please remember, that we manufacture these garments to order. Whilst we have listed standard sizes, other sizes are available.

WRAP KILT



The Wrap Kilt features a seamless wrap-around design that provides double protection in the important centre-front area.

- SIZING:**
- This design has a good range of fit, making it a good design for communal aprons.
 - When measuring length ensure you achieve at least 100mm overlap between the top and the kilt.
 - Ensure the kilt is sitting correctly on the waist when considering length.

- NOTES:**
- The double protection is only achieved at the overlap, therefore this is unsuitable for people requiring a labelled 0.5 /0.7 front protection.
 - **NB FULL WRAP OPTIONS IN THIS DESIGN, (OFFERING 0.5MMPB LABELLED PROTECTION) ARE AVAILABLE.**

CORE MATERIAL



Front Pb	Back Pb	Lgth	Size (X)	Lightweight Lead	Edge Bilayer
0.25 mm	0.25mm	53	P/S/M/L/XL	KTW285 X	KTWK285 X
0.25 mm	0.25mm	58	P/S/M/L/XL	KTW290 X	KTWK290 X
0.25 mm	0.25mm	60	P/S/M/L/XL	KTW210 X	KTWK210 X
0.25 mm	0.25mm	65	P/S/M/L/XL	KTW211 X	KTWK211 X
0.35 mm	0.35mm	53	P/S/M/L/XL	KTW385 X	KTWK385 X
0.35 mm	0.35mm	58	P/S/M/L/XL	KTW390 X	KTWK390 X
0.35 mm	0.35mm	60	P/S/M/L/XL	KTW310 X	KTWK310 X
0.35 mm	0.35mm	65	P/S/M/L/XL	KTW311 X	KTWK311 X

LEAD EQUIVALENCE

0.25 mm Pb EQ	0.35 mm Pb EQ	0.5 mm Pb EQ
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SIZES



LENGTHS



OPTIONS



EMBROIDERY POCKET INTEGRATED BELT



Please remember, that we manufacture these garments to order. Whilst we have listed standard sizes, other sizes are available.

SOLID COLOURS

- Royal Blue (BL)
- Marine Blue (MB)
- Orange (OR)
- Rosa (RO)
- Burgundy (BU)
- Berry (BE)
- Red (RD)
- Violet (VL)
- Grey (GY)
- Light Green (CR)
- Khaki (GD)
- Forest Green (GF)
- Black (KB)

PATTERNS

- Camo Grey (CG)
- Camo Blue (CB)
- Camo Pink (CP)
- Nursery (NU)
- Zebra (ZB)
- Violet Flower (VF)
- Pink Flower (PF)
- Paint (PS)
- Fireworks (FW)
- Circles (CL)
- Tartan (TN)

PERSONAL PROTECTION

SOLID COLOURS

- KB Black
- GC Forest Green
- GD Dark Green
- GR Light Green
- GY Grey
- VL Violet
- RD Red
- BE Berry
- BU Burgundy
- RO Rosa
- OR Orange
- MB Marine Blue
- BL Royal Blue

PATTERNS

- TN Tartan
- CL Circles
- FW Fireworks
- PS Paint
- PF Pink Flower
- VF Violet Flower
- ZB Zebra
- NU Nursery
- CP Camo Pink
- CB Camo Blue
- CG Camo Grey

FULL WRAP KILT



This design incorporates additional panels of protection which provide full coverage across the front of the apron.

- SIZING:**
- Having the correct level of overlap is critical in this design.
 - When measuring length ensure you achieve at least 100mm overlap between the top and the kilt.
 - Ensure the kilt is sitting correctly on the waist when considering length.

- NOTES:**
- The overlapped panel will always be black.
 - Different colours can be selected for the additional panels.

CORE MATERIAL



LEAD EQUIVALENCE

0.25 mm Pb EQ	0.35 mm Pb EQ	0.5 mm Pb EQ
---------------	---------------	--------------

SIZES



LENGTHS

53	58	60	65
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OPTIONS



Front Pb	Back Pb	Lgth	Size (X)	Lightweight Lead	Edge Bilayer
0.5mm	0.25mm	53	P/S/M/L/XL	KTF2 X	KTFK2 X
0.5 mm	0.25mm	58	P/S/M/L/XL	KTF2 X	KTFK2 X
0.5 mm	0.25mm	60	P/S/M/L/XL	KTF2 X	KTFK2 X
0.5 mm	0.25mm	65	P/S/M/L/XL	KTF2 X	KTFK2 X
0.35 mm	0.35mm	53	P/S/M/L/XL	KTF3 X	KTFK3 X
0.35 mm	0.35mm	58	P/S/M/L/XL	KTF3 X	KTFK3 X
0.35 mm	0.35mm	60	P/S/M/L/XL	KTF3 X	KTFK3 X
0.35 mm	0.35mm	65	P/S/M/L/XL	KTF3 X	KTFK3 X

Please remember, that we manufacture these garments to order. Whilst we have listed standard sizes, other sizes are available.

THYROID COLLARS

									
									
<p>TPD</p> <p>Our popular 'D' style thyroid protector is very comfortable due to its flexibility.</p> <p>The largest collar size for the base model is 48cm.</p> <p>Larger designs are available upon request.</p>			<p>TPV</p> <p>The 'V' style design provides a greater amount of protection across the sternum.</p> <p>The largest collar size for the base model is 48cm.</p> <p>Larger designs are available upon request.</p>			<p>magneto</p> <p>The Magneto® is the latest addition to our thyroid protective range.</p> <p>Based on the popular TPD, the high quality, neodymium magnets provide a more hygienic alternative to traditional velcro fastenings.</p> <p>This design comes with hygienic washable covers as an option.</p>			
LE mm PB	Lightweight Lead	Edge Bilayer	LE mm PB	Lightweight Lead	Edge Bilayer	LE mm PB	Lightweight Lead	Edge Bilayer	
0.35	TPD3	TPDK3	0.35	TPV3	TPVK3	0.35	TPDM3	TPDMK3	
0.5	TPD5	TPDK5	0.5	TPV5	TPVK5	0.5	TPDM5	TPDMK5	
								Fabric Cover	TPMCV

ANCILLARY ITEMS

											
<p>SCATTER CAP</p> <p>A re-usable cap designed to protect the wearers head from the scatter radiation</p> <p>Available in a range of lead equivalence</p> <p>Small, Medium and Large available</p> <p>PLEASE SPECIFY SIZE ON ORDER</p>			<p>SCATTER CAP LIGHT</p> <p>A semi-disposable version of the scatter cap (lead free)</p> <p>Available in a range of lead equivalence</p> <p>Small, Medium and Large available</p> <p>PLEASE SPECIFY SIZE ON ORDER</p>			<p>SLEEVE</p> <p>Detachable Sleeve: Humeral head & upper arm protection</p> <p>Coloured to match apron</p> <p>Not suited for single-sided aprons</p>			<p>CRICKET PADS</p> <p>A Rothband original product from the early 1970s. Minimises leg exposure from under couch tubes.</p> <p>Adjustable elasticated fastenings, plus one under the instep on CPF model</p> <p>Navy Nylon is standard but full-cover choice available</p>		
LE mm PB	Lightweight Lead	Edge Bilayer	LE mm PB	Lightweight Lead	Edge Bilayer	LE mm PB	Lightweight Lead	Edge Bilayer	LE mm PB	Lightweight Lead	Edge Bilayer
0.25	HAT2	HATK2	0.25	HAT12	HAT1K2	0.25	SLV2	SLVK2	0.35	CP35PR	CPK35PR
0.35	HAT3	HATK3	0.35	HAT13	HAT1K3	0.35	SLV3	SLVK3	0.35	CPF35PR	CPFK35PR
0.5	HAT5	HATK5	0.5	HAT15	HAT1K5	0.5	SLV5	SLVK5	WITH FOOT PROTECTION		



RADIATION PROTECTION GLOVES

The XP Range

XP gloves are composed of natural dry rubber mixed with lead oxide. This mix of materials provides a high degree of elasticity and softness combined with the best x-ray protective curve without any negative (k-edge) peaks, typical of other lead free protective materials.

XP-1

Designed for use where sensitivity and dexterity are essential requirements; their thin walls allow the hand to perform naturally and provide adequate protection without compromising the superior tactile nature of the glove.

Cardiology
Angiography
Urology
Haemodynamics
Fine Surgery

XP-2

The XP-2 is a medium thickness glove. It balances operative comfort with a good level of protection.

Urology
Oncology
Orthopaedic
Pace Makers
General Surgery
Pain Management

XP-3

The XP-3 is the thickest glove in the range. The greater thickness provides a much higher level of protection whilst maintaining its dexterity.

The XP-3 is ideally suited to those assisting in surgeries.

Endoscopy
ERCP's
Surgical Assistants
Scrub Nurses
Orthopaedic Manipulations

Product Code	Attenuation 60kVp	Attenuation 80kVp	Attenuation 100kVp	Thickness
XP1	40%	35%	30%	0.20 mm
XP2	68%	61%	54%	0.33 mm
XP3	75%	69%	63%	0.45 mm



















RADIATION PROTECTION GLASSES

RADIATION PROTECTION GLASSES

STANDARD FRAMES

Standard frames over a range of cost effective designs that provide a comprehensive level of protection.

Wraparound	Fit Overs	Protectors	Sport
Best Fit - Most Faces	Multiple Sizes	Best Fit - Medium to Large Faces	Best Fit - Lenses with Large Rx
			
SUITABLE FOR LARGE PRESCRIPTIONS	Available in four sizes		Available in three sizes
<p>This classic design covers the basics – and then some</p> <p>The lightweight nylon frame features an adjustable bridge that distributes weight evenly over your nose</p> <p>Spring hinges hold the temples snug, and are designed to withstand the rigors of hospital use</p> <p>You'll also love the integrated side shields, which provide solid protection AND excellent peripheral vision</p>	<p>Fitovers are an oversized wraparound that fits over your existing glasses – or can be worn as a stand-alone splash goggle</p> <p>The top of the frame fits close to your brow for superior splash protection, and side shields are standard</p> <p>Available in S, M, L and XL, Fit Overs accommodate most sizes and styles of glasses</p>	<p>Whether it's a fluoro procedure in the cath lab or X-rays in the OR, the Protector has you covered</p> <p>The larger lenses provide wrap-around radiation shielding, while the curved frame hugs your face for better splash protection</p> <p>Rubber nose pads and cushioned temple bars provide a secure, comfortable fit during procedures</p>	<p>The Sportcomes with an ultra-soft fixed rubber nose piece for additional comfort</p> <p>A thicker eye frame allows for a wide variety of prescription lenses</p> <p>You can add 0.5mm lead equivalency side shields for additional protection from scatter radiation</p>
COLOUR 	COLOUR 	COLOUR 	COLOUR 
ORDER CODE: GLWR	ORDER CODE: GLFT	ORDER CODE: GLPRO	ORDER CODE: GLSW
			WITH SIDE LEAD GLSWSS
RG-F10	RG-RK2 Goggles	RG-Q200	375 PX Glasses
Best Fit - Most Faces	Best Fit - Medium to Large Faces	Best Fit - Large Faces	Best Fit - Medium to Large Faces
			
			SUITABLE FOR LARGE PRESCRIPTIONS
<p>Model F10 utilizes a classic safety style that is solid, sturdy and comfortable</p> <p>The frame comes with perforated brow guards, perforated silicone nose guard and rubberized temple bar for a secure fit</p> <p>The lateral shields protect the orbit of the eye with 0.5mm lead equivalency</p>	<p>Model RG-RK2 features vented side ports to reduce fogging, and neoprene foam that protects against splashing and sweat</p> <p>The flame-resistant elastic headband is adjustable to help provide a comfortable fit, whilst the large lens pocket allows for a maximal viewing area</p>	<p>Model RG-Q200 offers a stylish wrap-around frame style</p> <p>This frame provides the highest of standards when coming to quality, distortion-free glass, alongside radiation-reducing lenses with 0.75mm lead equivalency</p>	<p>Model 375 offers a lightweight and stylish design</p> <p>The frame is constructed of durable TR-90 nylon for excellent high impact and chemical resistance</p> <p>This model fits best for Small and Medium sized faces</p>
COLOUR 	COLOUR 	COLOUR 	COLOUR 
ORDER CODE: GLF10SS	ORDER CODE: GLGOG	ORDER CODE: GLQ200	ORDER CODE: GL375
			WITH SIDE LEAD GL375SS







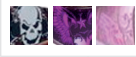



All our glasses come with plano lenses as standard. Most designs can incorporate a prescription lens. But not all glasses, can take all prescriptions. Please talk to your representative about prescriptions and availability, and please be aware that we can only provide a price once we have received the prescription form. NB, the availability of frames is dependent on the fashion industry and can change quickly and without notice. Please look at the website for an 'up to date' selection.

RADIATION PROTECTION GLASSES









LIGHTWEIGHT FRAMES

The lightweight frames are generally designed for smaller faces

Sport Mini Best Fit - Smaller Faces  The Sport comes with an ultra-soft fixed rubber nose piece for additional comfort. A thicker eye frame allows for a wide variety of prescription lenses.		RG-EGM Wraparound Best Fit - Small and Medium Faces  Model RG-EGM offers a stylish wrap-around frame constructed of high impact TR-90 nylon. Featuring rubberized soft grip temple bars, saddle bridge nose pad and two-tone temple bars, all for extra comfort.		Mini Morpheus Best Fit - Smaller Faces  Bring on the attitude with these rockin' designs! The Morpheus Mini is the same as our Morpheus but made for smaller faces. Comes with an ultra-soft, fixed rubber nose piece for additional comfort.		RG-1171 Model Best Fit - Small and Medium Faces  Model RG-1171 offers a stylish wrap-around frame with a removable foam insert The frame is constructed of high impact TR-90 nylon and features rubberized soft grip nose pads and side ventilation ports to reduce fogging.	
COLOUR		COLOUR		COLOUR		COLOUR	
ORDER CODE:	GLMINI	ORDER CODE:	GLEGM	ORDER CODE:	GLMINIMOR	ORDER CODE:	GL1171
WITH SIDE LEAD	GLMINISS			WITH SIDE LEAD	GLMINIMORSS		

PREMIUM FRAMES

Our premium frames utilise the designs of existing fashion brands. With this comes the increased level of ergonomics and comfort that you would expect from sports frames manufacturers.

Nike Brazen Best Fit - Medium to Large Faces  The Nike Brazen combines streamlined style with comfort and durability. Featuring a nylon frame, metal accents and a ventilated nose bridge for reduced fogging. The secure-wrap temple arms ensure a perfect fit every time.		Nike 7127 Best Fit - Medium Faces  The 7127 is a lightweight injected frame designed for comfort and durability. It comes with dual injected temples and channels on the inside of the temples to enhance airflow.		Recons Best Fit - Smaller to Medium Faces  Scout out serious comfort and reliability with the Recon. The rugged frame is designed to maximize airflow for less fogging and features a soft rubber nose pad for added comfort.		Seals Best Fit - Small to Medium Faces  Even under pressure, the Seals hold steady with its anti-slip hydrophilic nose pads and temple tips. The dependable wrap-around frame comes in stylish colors with bold accents.	
COLOUR		COLOUR		COLOUR		COLOUR	
ORDER CODE:	GLNIKE	ORDER CODE:	GL7127	ORDER CODE:	GLRECO	ORDER CODE:	GLSEAL
WITH SIDE LEAD	GLNIKESS			WITH SIDE LEAD	GLRECOSS	WITH SIDE LEAD	GLSEALSS



Telephone: +44 (0) 1706 830086
 Fax: +44 (0) 1706 830324
 Email: sales@rothband.com
 Web: www.rothband.com

Name: _____
 Order Number: _____
 Hospital: _____

Prescription Glasses Order Form

Please Supply The Following Information

SINGLE VISION PRESCRIPTION

	SPHERE	CYLINDER	AXIS	PRISM	BASE	PUPILLARY DISTANCE
OD RIGHT EYE						RIGHT
OS LEFT EYE						LEFT

Information needed:

1. Distance Rx only (please ensure Rx is current for the year)
2. Pupillary Distance

BIFOCAL/PROGRESSIVE PRESCRIPTION

	SPHERE	CYLINDER	AXIS	PRISM	BASE	PUPILLARY DISTANCE
OD RIGHT EYE						RIGHT
OS LEFT EYE						LEFT

ADD			Information needed: 1. Distance Rx only (please ensure Rx is current for the year) 2. Pupillary Distance 3. Add Bifocal Power			
-----	--	--	---	--	--	--

READER ONLY PRESCRIPTION

Add power or magnification: _____

Select type of reader:

- Bifocal (bottom part of the lens with add power, top part without prescription)
- Single Vision (whole lens will have add power)

Special Instructions (specify if you would like a specific segment height): _____

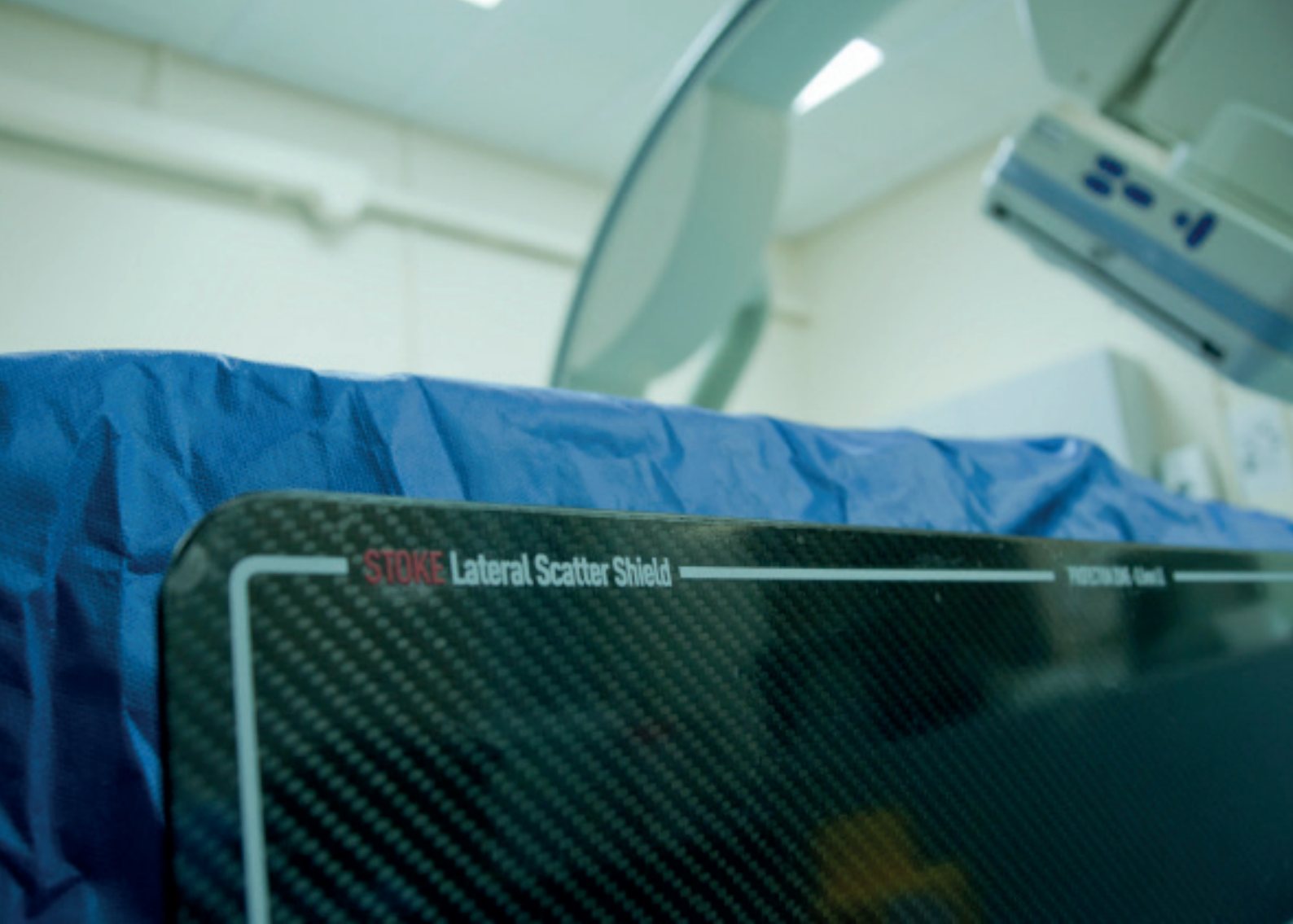


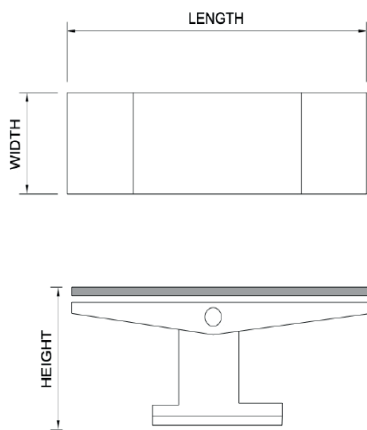
TABLE PROTECTION

TABLE PROTECTION

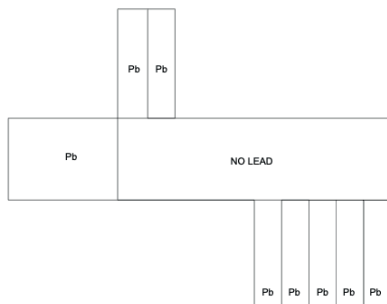
TABLE VALENCE

Table valences are very simple to install and help drastically reduce under-couch scatter radiation. The construction comprises of a radio-lucent fabric base with lead skirt.

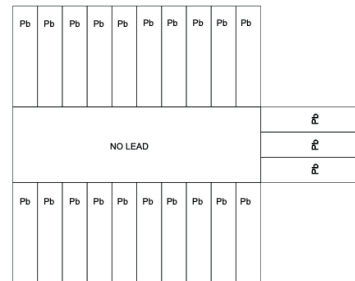
DIMENSIONS REQUIRED



EXAMPLE CONFIGURATION



EXAMPLE CONFIGURATION



NOTES

- Lead sections can be provided as full pieces or as slats.
- Slats can be useful if imaging equipment needs to be manoeuvred around the table.

PRODUCT CODE: TS05

LEAD BLANKETS

Lead blankets can be a versatile item that have a variety of uses.

They are available in any size, lead equivalence and colour.



CORE Material		SIZES (mm)		Colours	
Lightweight Lead		500 x 500	55	Royal Blue - RB	RB
		600 x 100	61	Marine Blue - MB	MB
Lead Equivalence		600 x 800	68	Red - RD	RD
0.5 mm Pb	5	1000 x 1000	11	Green - GN	GN
1.0 mm Pb	1	900 x 1000	91	Navy XTREME	NX
2.0 mm Pb	2	900x x750	975		
		900 x 500	95		
CODE	BLAN				

NOTES

- Please provide the Length, Width and Lead Equivalence for a quotation.
- Core material will always be Lightweight Lead unless otherwise specified.

PRODUCT CODE: Please see code generator above

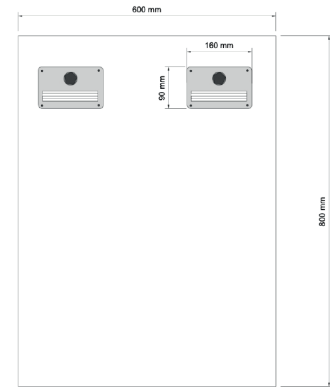
TABLE PROTECTION

MULTI USE TABLE SHIELD

The Multi-Use Table shield is composed of a unique handle which can be attached to a lead curtain of any size or lead equivalence.

The handles are constructed of light weight aluminium and include an ergonomic grip and DIN rail attachment, which can be fitted to most operating or hybrid tables.

This is a versatile table shield that can be used in a variety of X-Ray environments.



NOTES

- Lead curtain is typically 0.5mm Pb LE. Other options are available.
- Lead sections can be any size and available in either a full curtain or 200mm slats.
- When ordering, please take note of where the DIN rail connects to the table as the handles need to be positioned in order to avoid connection points (where the rail attaches to the table.)
- Custom sizes available.

PRODUCT CODE: TS03

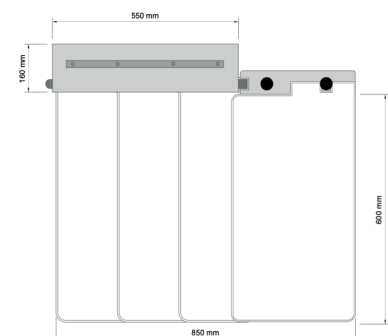
UNDER COUCH TABLE SHIELD

The under-couch table shield is designed to protect operators from the effects of scatter radiation.

The screen is constructed of a lightweight, pivoting arm and Lead screen.

The lead screen is attached using a rotating bar, allowing the shield to be easily placed on either side of the table without any proprietary setup.

A removable top shield is included.



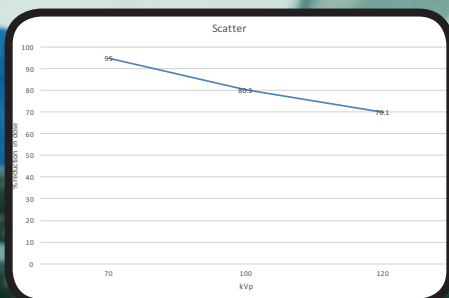
NOTES

- Lead Curtain is typically 0.5mm Pb LE.
- Lead Curtain is available as a single piece or with slats.
- Protective panels are welded, and seams kept to a minimum to make it easier to clean.
- Sterile covers are available.

PRODUCT CODE: TS04

TABLE PROTECTION

95%
REDUCTION IN
SCATTER*



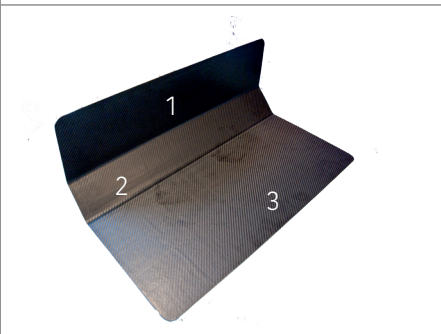
Clinician design
Fits all tables
Quick positioning
Versatile

LATERAL SCATTER SHIELD

The Lateral Scatter Shield has been developed with staff at the Royal Stoke University Hospital to help reduce the scatter radiation received during radial access procedures.

These upper limb access techniques, place the operator closer to the primary beam which potentially increases their exposure to scatter radiation. The Lateral Scatter Shields carbon fibre blade has been designed to be radio-lucent whilst the sides integrate 0.5mm of lead to protect an operator from the scatter radiation being emitted from the patient.

The unit has been designed to be simple to install and completely adaptable to a number of endovascular scenarios making it a very versatile addition to an imaging departments radiation protection arsenal.



1 - CARBON FIBRE UPPER - LEAD LINED WITH 0.5 MM LE (15CM)

2 - CARBON FIBRE CURVED - LEAD LINED WITH 0.5 MM LE (10CM)

3 - CARBON FIBRE BLADE - NO LEAD LINING WITH 0.4% ATTENUATION



STANDARD DIMENSIONS:

Dimensions: 700 (mm) x 220 (mm) x 380 (mm)

OTHER SIZES CAN BE MADE UPON REQUEST, TOOLING CHARGE MAY APPLY

PRODUCT CODE: RPAB-70105

TABLE PROTECTION

MOBILE SHIELD

The mobile shield is a versatile lead screen that has a multitude of applications. its small footprint allows it to be positioned in theatre style environments without getting in the way of surgeons at the table. as the screens are self supporting they do not burden the operating table with additional weight.



NOTES

- Flexible Pb/vinyl sheet(s) suspended from a spring-assisted, height adjustable (60-115cm) “H” base.
- Fitted with rubber tyred wheels - 2 are braked.
- Screen colour depends on Pb, white frame.
- Modular nature allows easy upgrade from “LY” to “L”
- If requirements change. Other Sizes available.

DESCRIPTION	Pb mm	Size	Product Code
LY Type 1 x Panel Mobile screen	0.5 1.00	70 x 60 70 x 60	MS5Y MS1Y
L Type 2 x Panel Mobile screen	0.5 1.00	70 x 115 70 x 115	MS5L MS1L



DO YOU HAVE A SPECIFIC PROTECTION REQUIREMENT?

Imaging departments and operating environments have many radiation protection challenges that are dependent on a number of factors. If you have a unique requirement, do not hesitate to contact your representative to arrange a site visit. We are often able to help design a solution that meets your needs.





STRUCTURAL PROTECTION

BESPOKE STRUCTURAL SOLUTIONS



Design Consultation

At Rothband, we have been working alongside medical professionals for many years to design X-Ray protection products perfectly suited for a medical environment.

We have always found that the needs of every department are very different and due to this, we believe the best way to address a customers requirements is through consultation.

With over 100 years experience, we have the knowledge to transfer your requirement into a viable protection solution that meets all the necessary safety requirements without costing the earth.

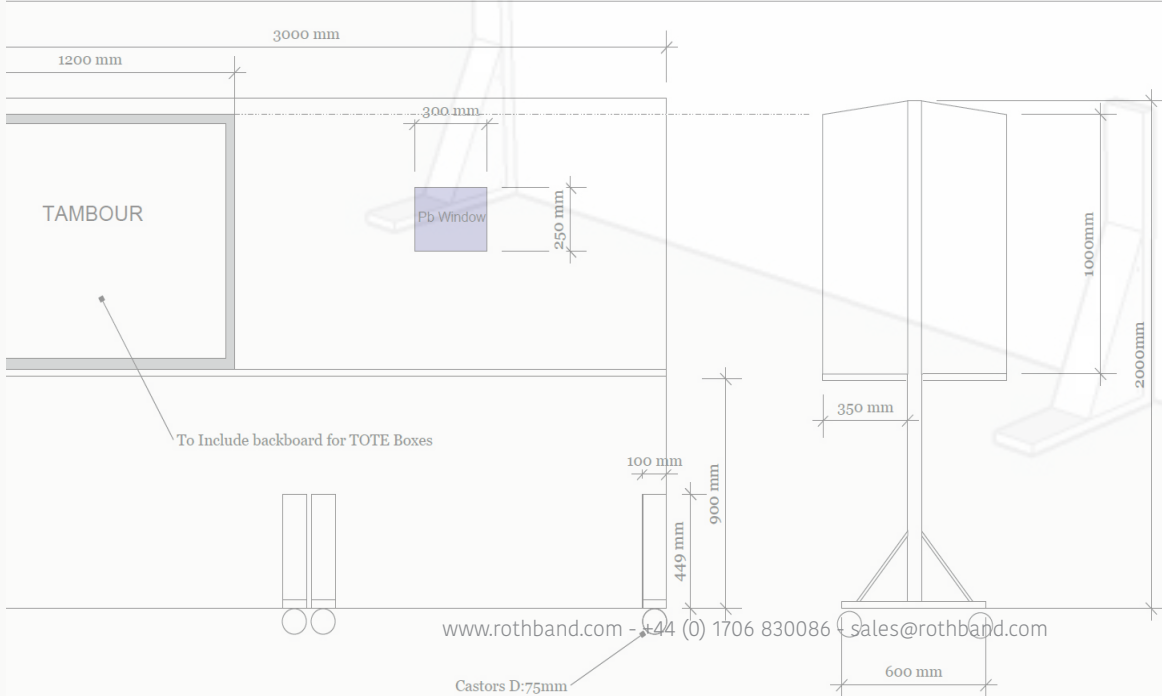


Bespoke Builds

When it comes to manufacturing we have over 100 years experience in fabricating bespoke signs that match our clients specifications.

Our highly skilled fabricators have the technical knowledge and expertise to take on a range of protection projects that involve specialist production techniques and use the latest technology.

We welcome all clients invite us to discuss their project requirements so that we can determine the best way possible to fabricate your bespoke protection applications.



MOBILE SCREENS



Rothband offer completely bespoke mobile X-ray screens that are manufactured to the most current NHS HTM and infection control standards. The mobile X-ray screens can be designed to match the decoration of the location where it is going to be installed, screens can also match your exact requirements for the dimensions and are manufactured to the highest possible quality possible from materials that are both sustainable and renewable.

Rothband mobile x-ray screens all come on heavy duty steel powder coated legs as standard with hi-load castors lockable to suit, Non-ferrous metals can be used for use in MRI rooms. Radiation screens can also be specified to various lengths. This allows for mobile screens to be either used as a stand behind screen ideal where space is restricted or for long screens for beds or equipment such as in a resus bay.

Mobile screens can be built up to 3000mm long. This allows the perfect solution for the protection of multiple staff or a patient bed with the flexibility and diversity of a mobile screen.

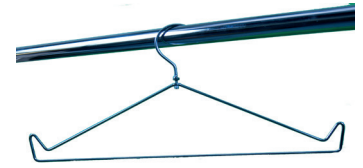
ITEM	LEAD (mm Pb)	HEIGHT (mm)	WIDTH (mm)	WINDOW (mm)	PRODUCT CODE
MOBILE SCREEN 1	2.00	2000	750	500 x 500	MS2R75
MOBILE SCREEN 2	2.00	2000	900	500 x 500	MS2R90
MOBILE SCREEN 3	2.00	2000	1200	500 x 500	MS2R120
MOBILE SCREEN 4	2.00	2000	1000	500 x 500	MS2R1005
MOBILE SCREEN 5	2.00	2000	1000	1000 x 1000	MS2R1001
MOBILE SCREEN 6	1.80	2000	1000	1000 x 1000	MS18R1001



STORAGE SOLUTIONS

APRON STORAGE

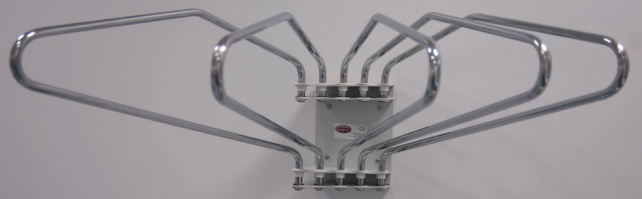
MOBILE RAIL



Simple mobile rail designed to hold up to 10 aprons
Wooden or Chrome coat hanger options available.

ITEM	DESCRIPTION	PRODUCT CODE
Mobile Rail	For use with either HA170 or HA175 Hanger. Holds up to 10 aprons 4 rubber tyred wheels Tubular steel construction Dims: 147h x 125l x 51w cm	HA172
Wooden Coat Hanger	Robust, designed to prevent slippage Designed especially for lead aprons Dims: 48l x 11w x 2d cm	HA170
Chrome Steel Hanger	Swivel hook Non-slip ends are ideal for kilt hanging	HA175

WALL MOUNTED RAIL



Aprons are held on 5 shaped arms
Arms swing away against wall to save space,
Dims: Backplate 15x20cms. Max arc is 72cms
Wall loading approx' min' of 60kg

DESCRIPTION	PRODUCT CODE
Wall Mounted Foldaway 5 Arm System (Right)	HA5KR
Wall Mounted Foldaway 5 Arm System (Left)	HA5KL

KILT HOOKS



Easily fitted to the apron arms to provide secure hanging for Kilts
Supplied in Pairs

FOR USE WITH HA5K AND HA10KT HANGERS

DESCRIPTION	PRODUCT CODE
Kilt/Skirt Hook	SKHK

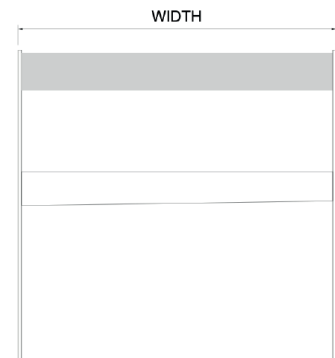
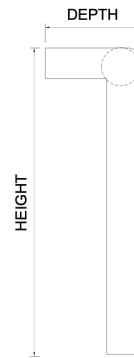
10 ARM HANGER RAIL



10 arms arc to provide easy access
Rubber tyred wheels (2 with brakes) for easy movement across all types of floor coverings
Easy assembly flat pack
Dims: 61w x 66d x 145h cm

DESCRIPTION
Mobile Swing Arm
Kilt/Skirt Hook

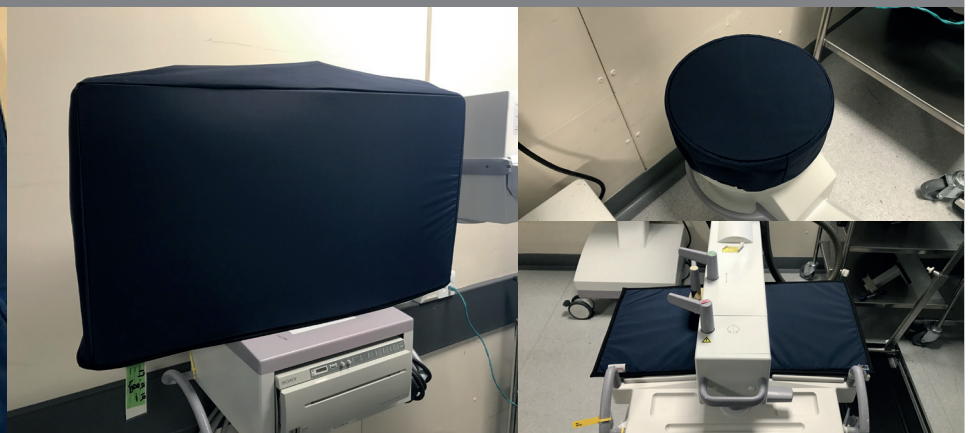
LOW PROFILE WALL HANGERS



- A great solution for when corridors are narrow, this space saving design sits close to the wall to offer an alternative way of storing lead aprons when not in use.
- The design consists of a strong, powder coated metal frame with a large bore tube that runs along the length.
- These hangers can be made to any size and to fit any space.
- Please specify the required Height, Depth and Width.
- Please contact your sales representative for a full assessment.

PRODUCT CODE: HAPWH

C-ARM COVER SET



Designed to offer scratch protection to imaging equipment whilst in storage on busy operating theatre corridors. The cover contains a tough polyprop board with cushioning.
Includes:

- Intensifier Cover
- Monitor Cover
- Control Panel Cover

Please contact your representative for help in measuring the required dimensions

PRODUCT CODE: CARMSET

MOBILE CABINETS

900, 1330, 1800 & 1950mm HIGH

High volume storage utilising liners, trays and dividers for supplies.
Cabinets are fitted with non marking castors and brakes.
Mobile cabinets are BS 4875-8 certified for stability.
Available in various colour options with bespoke sizes available on request.
Clear, Poly Propylene doors available.



CABINET: 1950mm

Code	Width	Depth
WSRH6419M	658	524
WSRH4619M	524	658

Left Hand Door: 1950mm

Code	Width	Depth
WSRH6419LHM	658	524
WSRH4619LHM	524	676

Right Hand Door: 1950mm

Code	Width	Depth
WSRH6419RHM	658	524
WSRH4619RHM	524	676

Split Door: 1950mm

Code	Width	Depth
WSRH6419SDM	658	524
WSRH4619SDM	524	676

Roller Shutter Door: 1950mm

Code	Width	Depth
WSRH7519RSM	681	537
WSRH5719RSM	537	681

CABINET: 1800mm

Code	Width	Depth
WSRH6418M	658	524
WSRH4618M	524	658

Left Hand Door: 1800mm

Code	Width	Depth
WSRH6418LHM	658	524
WSRH4618LHM	524	676

Right Hand Door: 1800mm

Code	Width	Depth
WSRH6418RHM	658	524
WSRH4618RHM	524	676

Split Door: 1800mm

Code	Width	Depth
WSRH6418SDM	658	524
WSRH4618SDM	524	676

Roller Shutter Door: 1800mm

Code	Width	Depth
WSRH7518RSM	681	537
WSRH5718RSM	537	681

CABINET: 1330mm

Code	Width	Depth
WSRH6413M	658	458
WSRH4613M	458	658

Left Hand Door: 1330mm

Code	Width	Depth
WSRH6413LHM	658	476
WSRH4613LHM	458	676

Right Hand Door: 1330mm

Code	Width	Depth
WSRH6413RHM	658	476
WSRH4613RHM	458	676

Split Door: 1330mm

Code	Width	Depth
WSRH6413SDM	658	476
WSRH4613SDM	458	676

Roller Shutter Door: 1330mm

Code	Width	Depth
WSRH7513RSM	681	481
WSRH5713RSM	481	681

CABINET: 900mm

Code	Width	Depth
WSRH6409M	658	458
WSRH4609M	458	658

Left Hand Door: 900mm

Code	Width	Depth
WSRH6409LHM	658	476
WSRH4609LHM	458	676

Right Hand Door: 900mm

Code	Width	Depth
WSRH6409RHM	658	476
WSRH4609RHM	458	676

Split Door: 900mm

Code	Width	Depth
WSRH6409SDM	658	476
WSRH4609SDM	458	676

Roller Shutter Door: 900mm

Code	Width	Depth
WSRH7509RSM	681	481
WSRH5709RSM	481	681

CATHETER CABINET KITS

- Catheter Conversion Kits fit into all Cabinet Liners.
- Pull out forward hanging rails for both Urinary and Cardiac catheters.
- Pull out side hanging catheter rails for both Urinary and Cardiac catheters.

CATHETER KITS



Code	Description	Used With	Rails	Number
M6400	Forward Hanging	600	Urinary	5
M6401	Side Hanging	600	Urinary	3
M6402	Forward Hanging	600	Cardiac	3
M4600	Forward Hanging	400	Urinary	3
M4601	Side Hanging	400	Urinary	2
M4602	Forward Hanging	400	Cardiac	2

Side Hanging Have Hooks

DOUBLE MOBILE CABINETS

900, 1330, 1800 & 1950mm HIGH

High volume storage utilising liners, trays and dividers for supplies.
Cabinets are fitted with non marking castors and brakes.
Mobile cabinets are BS 4875-8 certified for stability.
Available in various colour options with bespoke sizes available on request.
Clear, Poly Propylene doors available.



Double Cabinet: 1950mm

Code	Width	Depth
WSRH6419MD	1313	524
WSRH4619MD	913	658

Double Door: 1950mm

Code	Width	Depth
WSRH6419LHMD	1313	524
WSRH4619LHMD	913	676

Double Split Doors: 1950mm

Code	Width	Depth
WSRH6419SDMD	1313	524
WSRH4619SDMD	913	676

Roller Shutter Door: 1950mm

Code	Width	Depth
WSRH7519RSMD	1345	537
WSRH5719RSMD	945	681

Double Cabinet: 1800mm

Code	Width	Depth
WSRH6418MD	1313	524
WSRH4618MD	913	658

Double Door: 1800mm

Code	Width	Depth
WSRH6418LHMD	1313	524
WSRH4618LHMD	913	676

Double Split Doors: 1800mm

Code	Width	Depth
WSRH6418SDMD	1313	524
WSRH4618SDMD	913	676

Roller Shutter Door: 1800mm

Code	Width	Depth
WSRH7518RSMD	1345	537
WSRH5718RSMD	945	681

Double Cabinet: 1330mm

Code	Width	Depth
WSRH6413MD	1313	524
WSRH4613MD	913	658

Double Door: 1330mm

Code	Width	Depth
WSRH6413LHMD	1313	524
WSRH4613LHMD	913	676

Double Split Doors: 1330mm

Code	Width	Depth
WSRH6413SDMD	1313	524
WSRH4613SDMD	913	676

Roller Shutter Door: 1330mm

Code	Width	Depth
WSRH7513RSMD	1345	537
WSRH5713RSMD	945	681

Double Cabinet: 900mm

Code	Width	Depth
WSRH6409MD	1313	524
WSRH4609MD	913	658

Double Door: 900mm

Code	Width	Depth
WSRH6409LHMD	1313	524
WSRH4609LHMD	913	676

Double Split Doors: 900mm

Code	Width	Depth
WSRH6409SDMD	1313	524
WSRH4609SDMD	913	676

Roller Shutter Door: 900mm

Code	Width	Depth
WSRH7509RSMD	1345	537
WSRH5709RSMD	945	681

TELESCOPIC CATHETER RAILS



Code	Width		Diameter		Height
M4600T	400	x	600	x	100

PULL OUT CATHETER BASKETS



Code	Width		Diameter		Height
M3004	600	x	400	x	400
M3006	600	x	400	x	600
M3008	600	x	400	x	800
M3009	600	x	400	x	900



STATIC & MOBILE CABINETS

CATHETER STORAGE

- Holds all styles and sizes of catheter packages: hooks, shelves or tote boxes and bins.
- Catheters can be easily organised by dedicating a catheter hook or series of hooks.
- Easily secured onto bars and can be adjusted to accommodate peel pouches.
- 127mm polyurethane swivel castors, two with brakes, allow for easy manoeuvrability.



Catheter Trolley

Code	Width	Depth	Description	Hooks	Max Hooks
WSRH6419MD	1313	524		WSRH6419LHMD	1313
WSRH4619MD	913	658		WSRH4619LHMD	913

CATHETER CABINETS

MOBILE AND STATIC HIGH CAPACITY



CATHETER SHELF

Self locking removable without tools.



CATHETER SLIDE

Built in stop, can hold up to 10 hooks.



MOBILE BASE UNIT

Anti-static castors fitted as standard.

STATIC CABINETS

	W	D	H	In mm
SXRS72SCATH1	635	533	1829	Single width static catheter module with 1 x 270° locking door, 3 catheter slides, 30 labels and 15 hooks.
SXRD72SCATH1	635	1041	1829	Double width static cabinet with 2 x 270° locking doors, 2 catheter modules each with 3 catheter sides, 30 Labels and 15 hooks.
SXRD72SCATH2	635	1041	1829	Double width static cabinet with 1 x 270° locking door, 1 catheter module with 3 catheter sides, 30 labels and 15 hooks plus 1 x 76mm, 2 x 150mm and 2 x 230mm drawers, 3 shelves, 270° non-locking door and push handle.

MOBILE CABINETS

	W	D	H	In mm
SXRS76MCATH1	635	584	1930	Single width static catheter module with 1 x 270° locking door, 3 catheter slides, 30 labels and 15 hooks.
SXRD76MCATH1	635	1092	1930	Double width static cabinet with 2 x 270° locking doors, 2 catheter modules each with 3 catheter sides, 30 Labels and 15 hooks.
SXRD76MCATH2	635	1092	1930	Double width static cabinet with 1 x 270° locking door, 1 catheter module with 3 catheter sides, 30 labels and 15 hooks plus 1 x 76mm, 2 x 150mm and 2 x 230mm drawers, 3 shelves, 270° non-locking door and push handle.

Terms and Conditions

1. Parties

- A) The "Company" means WSR Medical Solutions Ltd.
 B) The "Customer" means the person, firm or company buying goods from the Company to whom the goods are to be invoiced (unless the contract otherwise provides) and any person to whom or for the benefit of whom the goods may be delivered.
 C) The "Goods" means the goods described on our invoice.

2. Application Of Conditions

- A) No contract shall exist between the Company and the Customer except upon the conditions set out herein and shall not be varied or excluded by the terms and conditions of any Order or any other terms and conditions sought to be imposed by the Customer including but without limitation to the Customer's Conditions of Purchase. These Terms and Conditions embody the entire understanding of the parties and supersede all and any prior promises, representations, undertakings or implications. No variation of these Terms and Conditions is permitted unless expressly accepted by a director of the Company, in writing.
 b) If the Customer shall make default in or commit a breach of any of its obligations under this contract or any other Order or Contract with the Company, the Company shall at anytime thereafter be entitled to determine the contract and without prejudice to its other rights hereunder recover from the Customer any loss arising.
 c) No statement, illustration or drawing in any circular, catalogue, advertisement or other communication in whatsoever form shall be deemed to imply any warranty or condition unless the same is specifically incorporated in this contract.
 3. Orders
 a) Orders with a value of less than £20 (excluding VAT, net discounts) will attract a £250 low order surcharge to cover administration costs.
 b) Orders requiring the Company to provide the goods may be submitted or varied either orally or in writing, to either the Sales Representative, Customer Care department or other authorised Sales/Marketing personnel. Any orders submitted or variations made orally must be confirmed in writing within seven days.
 c) All orders to be forwarded to the address below.

4. Quotations

Any estimate or quotation shall comprise an invitation to treat and will remain open for a period of thirty days only from the date thereof, unless varied by the Company in writing. Any order issued by the Customer is subject to acceptance by the Company and a contract will only be formed when the Company has accepted the Customers offer to buy either in writing or by the processing of the order.

5. Specification

The Goods are supplied in accordance with specifications (if any) submitted to the Customer and any additions and alterations thereto shall be the subject of an extra charge. The Company reserves the right to change the construction or design of the Goods or the specification thereof and the Customer shall accept the Goods so changed in fulfillment of the Order.

6. Prices

- a) All prices quoted are exclusive of Value Added Tax which shall be payable by the Customer at the rate prevailing at the date of the applicable tax point.
 b) The Company reserves the right, by written notice at any time before despatch, to vary the price of the Goods to take account of any increases in the cost of raw materials, manufacture, packing, transport or wages or otherwise.
 c) Prices charged will be those effective at the date of Order as per the current price list.

7. Payment

- a) Unless the Company otherwise agrees, payment is due in full within 30 days net of the invoice date to WSR Medical Solutions Ltd., at the address below.
 b) If payment is not made in accordance with paragraph (a), or if at any time the credit standing of the Customer has (in the opinion of the Company) been impaired, the Company may refuse delivery of any Goods required under the Contract until arrangements as to payment or credit have been established which are satisfactory to the Company.
 c) Time of payment shall be of the essence and if payment is not made on the due date, the Company reserves the right to charge interest on all overdue payments and outstanding balances at the rate (both before and after judgement) of 5% above the Bank of England base rate in force on the due date for payment (under clause 7 [a]) such interest being deemed to accrue on a daily basis from the due date for payment until receipt of payment by the Company.
 d) The Customer shall not be entitled to withhold payment either wholly or in part once the same has become due except where expressly agreed with the Company.

8. Delivery / Carriage Charges

- a) Unless the Company otherwise agrees, delivery shall be made to the delivery point specified in the Order.
 b) Time of delivery is not of the essence. Stated delivery times are no more than an estimate on the part of the Company and shall not be binding upon the Company which shall not be liable for any costs or damage caused by reason of any delay in delivery.
 c) The Company reserves the right to make delivery by instalments and to tender a separate invoice in respect of each instalment.
 d) The Company will usually make a charge for Carriage & packing and unless otherwise instructed by the Customer will choose the method of shipment.

9. Cancellations

- a) No notice of cancellation of an Order shall be valid unless given in writing and agreed to by an authorised representative of the Company.
 b) If written notice of cancellation is received by the Company, the Company reserves the right to levy a cancellation charge up to 25% of the amount of the Order which shall be paid by the Customer to the Company forthwith.
 c) If the Contract provides for delivery by instalments, each instalment shall be deemed to be the subject of a separate contract and non delivery or delay in the delivery of any instalment shall not entitle the Customer to repudiate the contract as regards the balance thereof.

10. Passing Of Title

- a) The legal title to the Goods shall not pass to the Customer until all sums due or payable by the Customer to the Company whether in respect of the Goods or otherwise whatsoever shall have been received by the Company. Until such time the Customer shall hold the Goods as bailee of and in a fiduciary capacity for the Company and shall further:
 i) store the Goods separately from any other goods so as to be identifiable as the property of the Company;
 ii) be responsible for any loss or damage to the Goods whatsoever caused; iii) except as provided in sub-clause (b) hereof, not sell, pledge, assign, charge or otherwise dispose of the Goods or any interest therein;
 iv) deliver up the Goods to the Company at any time on demand and/or permit the Company, its servants or agents, at any time without notice to enter upon the Customer's premises and retake possession of the Goods.

- b) The Customer shall be entitled to sell in the ordinary course of its business any of the Goods, in which title shall not have passed to it, on condition that the Customer shall hold on trust for and (on demand made by the Company) pay or transfer to the Company the proceeds of such sale and all claims that the Customer may have against its purchaser as the result of such sale.
 c) The Customer (if so requested by the Company) and any liquidator or receiver of the assets of the Customer shall pay into a separate bank account for the sole benefit of the Company all sums received in respect of any sale under the powers out in sub-clause (b) above, by the Customer or the liquidator or receiver of any of the Goods in which title has not passed to the Customer.

11. Passing Of Risk

The risk in the Goods shall pass to the Customer when the Goods are tendered for delivery at the delivery point specified in the Order. In the event that the Goods are collected by the Customer from the Customers works the risk of the Goods shall pass to the Customer when they are loaded onto the vehicle of the Customer or of his carrier or other agent.

12. Warranty

- a) The Company warrants that the Goods shall at the time of delivery correspond to the specifications published by the Company when used for purposes for which goods of that type are ordinarily used. In the absence of any such published specifications applicable to the Goods, the Company warrants that the Goods shall at the time of delivery be of merchantable quality. If any Goods do not conform to that warranty the Company will at its option:
 i) replace the Goods found not to conform to the warranty;
 ii) bring the Goods into conformity with the published specifications of the Company or (as the case may be) merchantable quality; or
 iii) take back the Goods found not to conform to the warranty and refund the appropriate part of the purchase price.

Provided that:

- aa) the liability of the Company shall in no event exceed the purchase price of the Goods; and
 bb) performance of any one of the above options (as limited by (iii) (aa) above) shall constitute an entire discharge of the Company's liability under this warranty.
 b) The foregoing warranty is conditional upon:
 i) the Customer giving written notice to the Company of the alleged defect in the Goods such notice to be received by the Company within seven days or the time when the Customer discovers or ought to have discovered the defect;
 ii) the Customer affording the Company a reasonable opportunity to inspect the Goods;
 iii) the Customer making no further use of the Goods that are alleged to be defective, or any plant machinery or other equipment into which the same shall have been incorporated after the time at which the Customer discovers or ought to have discovered that they are defective.
 c) No representation or warranty is given as to the suitability or fitness of the Goods for any particular purpose and the Customer shall satisfy himself in this respect and shall be totally responsible therefore.
 d) Save as provided in paragraph (a) hereof and in Section 12 of the Sales of Goods Act, 1979:
 i) all conditions and warranties expressed or implied are to the extent permitted by law hereby expressly excluded;
 ii) the Company shall be under no liability for any loss or damage (other than in respect of personal injury or death) whether direct, indirect or consequential howsoever arising which may be suffered by the Customer.
 e) Without prejudice to the generality of paragraph (c) all recommendations and advice given by or on behalf of the Company to the Customer as to the methods of storing, applying or using the Goods, the purposes to which may be applied and the suitability of using the Goods in any manufacturing process or in conjunction with any other materials are given without liability on the part of the Company its servants or agents and where the Goods are intended for use in connection with any foods, drugs, or other goods or substances whatever, or for the packaging or securing of goods or articles of any kind the Customer shall be responsible for ensuring that such articles will not be, or not liable to be adversely affected by contact with or proximity to the Goods supplied and all liability to the Customer or any third party in respect of any damage so caused is hereby expressly excluded.
 f) In the event that, notwithstanding the provisions of paragraphs (c) and (d) above, the Company is found liable for any loss or damage suffered by the Customer, that liability shall in no event exceed the purchase price of the Goods.
 g) To the extent that any provision herein contained or becomes unlawful by virtue of any statutory provisions or any other rule of law the words or phrases which so offend shall be deemed to have been deleted herefrom to the extent necessary to remove the invalidity, but no further or otherwise, and the remaining words, phrases and clauses shall remain operative, notwithstanding the deletion, and shall be construed, where possible, to give effect to the intentions of the parties as evidenced by the terms hereof.
 h) No representation shall be taken to have been given or implied from anything said or written in the negotiations between the parties hereto or their representatives prior to any agreement entered into between the Company and the Customer but nevertheless if any representation shall subsequently be found or deemed to have been given it is hereby expressly excluded or restricted to the extent permitted by Section 3 of the Misrepresentation Act 1967 as amended by the Unfair Contract Terms Act 1977.

13. Force Majeure

The Company shall not be liable for any loss or damage caused by the delay in the performance or non-performance of any of its obligations hereunder where the same is occasioned by any cause whatsoever that is beyond the Company's control including but not limited to an act of god, war, civil disturbance, requisitioning, governmental or parliamentary restrictions, prohibitions or enactments of any kind, import or export regulations, strike, lock-out or trade dispute (whether involving its own employees or those of any other person), difficulties in obtaining workmen or materials; breakdown of machinery, fire or accident. Should any such event occur the Company may cancel or suspend this contract without incurring any liability for any loss or damage thereby occasioned.

14. Notice Of Damage, Non-Delivery Or Wrong Delivery

- a) The Company shall not be liable to the Customer in the event that the Goods, at the time of delivery, do not comply with the warranty in Clause 12(a) and the non-compliance is one which should have been apparent on a careful visual inspection of the Goods unless the Customer shall have notified the Company and the Carrier within three days of delivery that such inspection was impossible and shall have confirmed such notification in writing received by the Company within seven days of delivery.
 b) The Company gives no guarantee of the exact quantity of goods delivered and in the event that quantity of Goods delivered does not correspond with the quantity stated on the Order the Customer shall only be liable to pay for the quantity delivered in the case of short-delivery and for the contract price in the event of over-delivery (subject in the latter case to permitting the Company to collect the surplus goods) provided that in the case of short delivery the Company is given an opportunity to inspect Goods before any use is made thereof or any alteration or modification is made thereto and that in no event shall such short or over-delivery entitle the Customer to damages or give the Customer the right to rescind.
 c) Claims for non delivery must be notified to the Company and the Carrier within twenty one days from date of invoice, failing which the Company shall be under no liability for non delivery.
 d) Any surplus goods delivered shall remain the property of the Company and the Customer shall take all reasonable precautions for the safe custody and protection of such surplus goods until the time of their removal by the Company.
 e) In the event of goods being wrongly delivered in no circumstances shall any of the Goods be returned to the Company without its prior written consent, otherwise liability is not accepted. Where the Company has made the error, full credit will be given on uplifted goods in good condition.
 f) The Company is under no obligation to accept goods for return, e.g. in the case of Customer ordering error, surplus stock, etc., but where it agrees to do so in writing a 15% handling charge will apply. Goods held by the Customer for more than 3 months from delivery will not normally be accepted for return. Only complete units of sale may be returned and all goods are to be in good condition. Any goods returned in unsaleable condition will be paid for in full by the Customer. The Company will, in all cases, organise the collection of goods.
 g) Refused Deliveries. The Company reserves the right to make a carriage charge plus 15% handling charge on all consignments tendered for delivery, which are refused without justification. All goods to be in good condition. Goods returned in an unsaleable condition will be paid for in full by the Customer. Goods should not be returned without the prior agreement of the Company.

15. Disputes And Set-Off

Any liability of the Company under the contract shall be subject to and conditional upon the due performance and observance by the Customer of all its obligations under these conditions and subject to these conditions the Customer shall not be entitled to withhold or delay payment or exercise any right or set-off whatsoever and howsoever arising or arisen which might otherwise be available to it.

16. Copyright

All copyrights shall remain the property of the Company alone unless otherwise expressly agreed in writing with the Customer.

17. Patent Rights

The Customer warrants that any instructions furnished or given by the Customer shall not be such as will cause the Company to infringe any letters patent or trade mark or other intellectual property right in execution of the Customer's order and shall indemnify the Company against all actions, proceedings, costs, claims and such demands arising therefrom to the extent that such instructions lead to such infringements.

18. Government Charges

The Customer will reimburse the Company for any increase in tax or Governmental charge, or for any new tax or Governmental charge hereafter becoming effective which the Company may be required to pay to any Government upon the sale, production, or transportation of the Goods and which has the effect of increasing the cost of the Goods sold hereunder.

19. Assignment

This contract is personal to the Customer and may only be assigned by it with the prior written consent of the Company.

20. Bankruptcy / Liquidation

If the Customer being an individual (or, when the customer is a firm, any partner in that firm) shall at any time become bankrupt, or having a receiving order made against them or shall make any composition or arrangement with or for the benefit of the creditors or, if the Customer being a company, an order for winding up is made or a resolution for winding up is passed or if a receiver or manager is appointed on behalf of a creditor or otherwise, the Company shall have the right to stop Goods in Transit, to suspend further deliveries and to determine any subsisting contract with the Customer and (in any case where title to the Goods has passed to the Customer but payment is due and has not been made) the Company shall have a lien over the Goods and right of resale provided that any such action shall be without prejudice to any right or claim the Company may have against the Customer.

21. Waiver

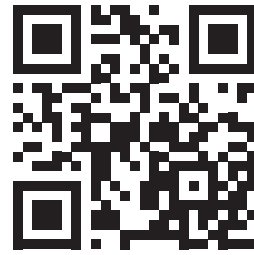
No neglect, delay or indulgence on the part of the Company in enforcing the terms and conditions of the contract shall prejudice the rights of the Company hereunder or be construed as a waiver thereof.

22. Terms Of Contract And Controlling Law

These conditions shall constitute the whole terms of any contract entered into between the Company and the Customer and shall be read and construed in accordance with the laws of England and all disputes arising in connection with the contract shall be submitted to the jurisdiction of the English courts.

23. Company Details

WSR Medical Solutions Ltd, Unit E Bridgewater Close, Burnley, Lancashire UK.
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