



New Size Definition According to Updated Norm

IEC 61331-3:2014 / DIN EN 61331-3:2016

Dear valued customer,

As announced in our customer information letter dd 30th June, 2017 there will be a change of defining apron sizes in order to adhere to IEC 61331-3:2014 / DIN EN 61331-3:2016.

Please view the following pages for a comprehensive overview on the new size definition in relation to body dimensions (height and girth).

Definition of Size

The X-Ray Protection Clothing has to be chosen in a fashion that the width of its front protection covers 60% of the body circumference.

The deciding factor is either the girth of the chest, waist or hip – which ever one is the greatest.

Example: You have chosen model RA632. You have measured the following dimensions: Chest girth 110 cm, Waist girth 102 cm, Hip girth 105 cm.

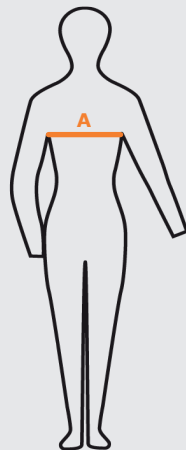
Since the chest girth is the greatest dimension the adequate size would be „L“.

How to measure correctly: A quick guide according to DIN EN 13402-1:2001

A Chest Girth (male)

Wides horizontal circumference, measured during normal breathing while person is standing up straight.

Measuring tape to be held across the shoulder plates (scapulae), underneath the arm pits (axillae) and across the chest.



(female)

Wides horizontal circumference, measured during normal breathing while person is standing up straight.

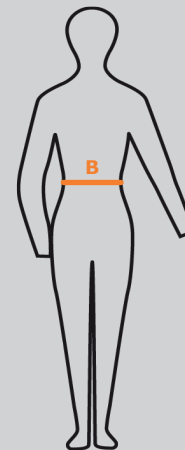
Measuring tape to go underneath the arm pits (axillae) and across the chest over the most prominent part of the breast.



B Waist Girth

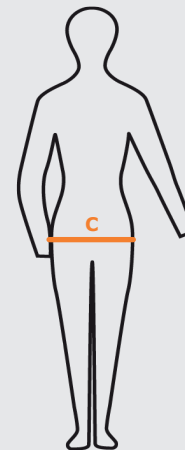
Circumference along the natural waist line, measured between the tip of the hip bone (iliac crests) and the lower ribs.

Person should breath normally and stand up straight with relaxed abdomen.

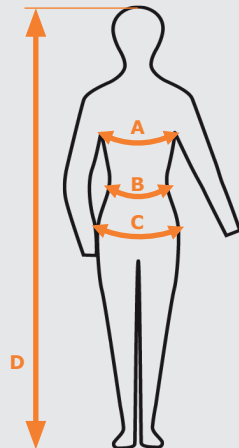
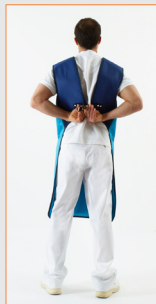


C Hip Girth

Horizontal circumference, measured around the buttocks at the height of the largest circumference.



BASIC RA640



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Sizes	XS	S	M	L	XL	XXL	3XL
<i>Body dimensions</i>							
A Chest girth	≤ 84 cm	85 - 95 cm	96 - 106 cm	107 - 117 cm	118 - 128 cm	129 - 139 cm	140 - 150 cm
B Waist girth	≤ 91 cm	92 - 102 cm	103 - 112 cm	113 - 123 cm	124 - 134 cm	135 - 145 cm	146 - 156 cm
C Hip girth	≤ 91 cm	92 - 102 cm	103 - 112 cm	113 - 123 cm	124 - 134 cm	135 - 145 cm	146 - 156 cm
Apron Length	100 cm	110 cm	120 cm	130 cm			
D Body height	160 - 170 cm	170 - 180 cm	175 - 190 cm	185 - 195 cm			

ADVICE Please consider that above table refers to protection during standing up procedures.
For protection while sitting down, please consider an additional length of 10 cm in order to fully cover the knees.

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