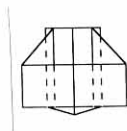
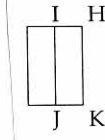


Tail Section: Parallel-line Development

This portion is another right cylinder.



For clarity, we remove the fins and the bottom piece. As in the body of the bomb, we first find the measurements of the height and the radius, HK and IH.



To calculate the stretchout we use the formula:

$$\text{Circumference} = \text{diameter} \times \pi$$

- or -

$$C = d \times 3.146$$

Remembering that the diameter is twice the radius, that is:

$$d = 2 \times \text{radius}$$

- or -

$$d = 2r$$

- we rewrite the equation as: -

$$C = 2r \times 3.146$$

The radius, IH, equals 5.25mm. Therefore:

$$C = 2 (5.25) \times 3.146$$

- which is -

$$C = 10.5 \times 3.146$$

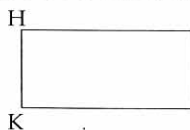
- or -

$$C = 33.033$$

- rounding to the nearest whole number -

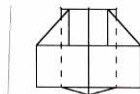
33 mm

The height of the section is equal to HK, or 15 mm tall. The stretchout is 15 mm tall by 33 mm wide.



The Bottom of the Bomb

This is the lowest portion of the tail section.



Again we remove the fins for clarity,



and remove the cylinder, leaving the final right cone.



Using the formula:

$$\frac{\text{Radius of Base}}{\text{Slant Height}} \times 360^\circ$$

- or -

$$\frac{JK}{LK} \times 360^\circ$$

- we have -

$$\frac{5.25}{5.75} \times 360^\circ$$

- or -

$$\frac{1890^\circ}{5.75}$$

- which equals -

$$328.695^\circ$$

- rounded down becomes -