

# Handrail Measuring

Minimum 2 people required

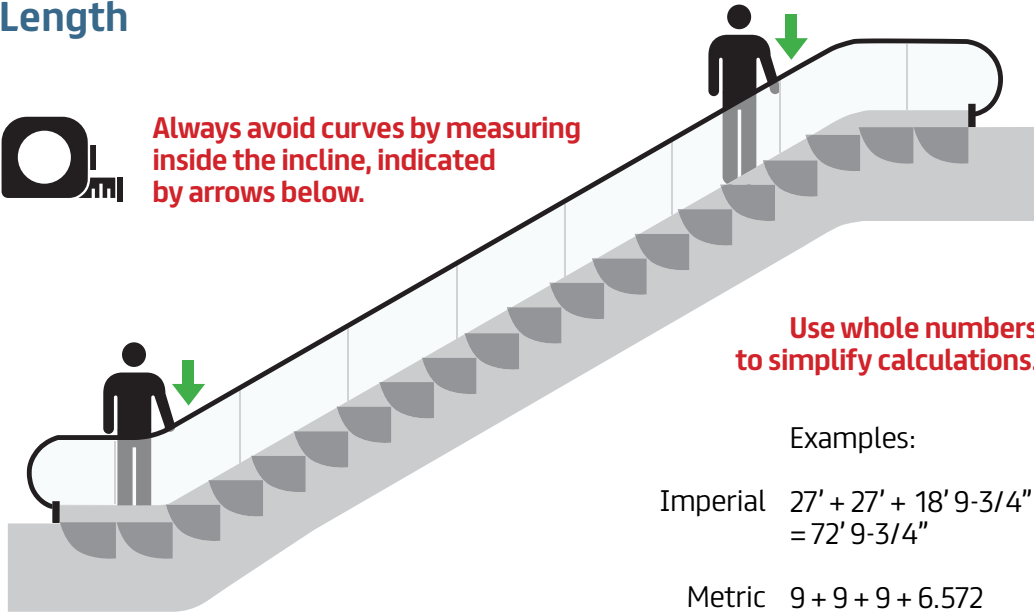


When measuring a handrail, it is critical that measurements are taken accurately. Measuring techniques depend on direction of escalator operation. For up escalators, measure from top to bottom, and for down escalators, measure from bottom to top.

## Length



Always avoid curves by measuring inside the incline, indicated by arrows below.



Use whole numbers to simplify calculations.

Examples:

Imperial  $27' + 27' + 18' 9\text{-}3/4'' = 72' 9\text{-}3/4''$

Metric  $9 + 9 + 9 + 6.572 = 33.572\text{m}$

Line To Line Calculations  
(Check Unit of Measurement Below):

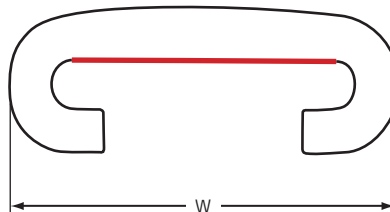
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_____
<b>Total</b> _____
<input type="checkbox"/> Imperial <input type="checkbox"/> Metric

- 1) Turn OFF escalator, draw line on handrail surface at top or bottom of incline to indicate start mark.
- 2) Draw another line at opposite end of incline to indicate stop mark and record distance between.
- 3) Run escalator until stop mark replaces position of start mark, repeat Step 2.
- 4) Repeat and record measurements until full rotation is complete.

## Width

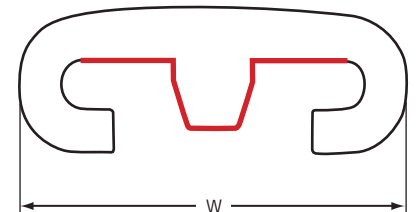
Use the diagrams to determine correct Handrail Width (W) and Profile Type.

For precise measurements, use calipers.



Profile Type: Flat  
Handrail Width (W):

Imperial  Metric



Profile Type: Vee  
Handrail Width (W):

Imperial  Metric

**Personal Protective Equipment (PPE) should be worn at all times.**

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