

# How to Measure Your Escalator

## For MotionGuard™ Escalator Skirt Brushes

**Top landing**



**Bottom landing**



**Comb plate**



### **Objective:**

Imagine a line drawn from the upper comb tip to the lower comb tip following the step nose of each step through the upper landing area and curve, down the incline, through the lower curve and landing area and finally finishing at the lower comb tip. In order to ensure an accurate measurement, the tape measure **must bridge across each step nose** through the upper landing and down the incline.

Similarly, the tape measure **must not collapse** between the steps or ride high above the step nose through the lower curve.

*The following instructions are provided for correctly measuring the tip-to-tip measurement between the upper and lower comb plates.*

### **Recommendation:**

- Use a  $\frac{3}{4}$ "- or 1"-wide steel tape. **DO NOT** use a cloth tape. Cloth or flexible tapes are not stiff enough to bridge across the step nose of each step.
- If measuring alone, **loosen the comb plate** and hook the tape measure across the back edge. In this case, you need to **subtract the length of the upper and lower comb plate** from your final measurement.

### **Measure the Escalator:**

- **One-step measurement:** If your tape measure is long enough to measure between the upper and lower comb tips as described above, complete this measurement and record it on your survey as the **Measured Escalator Length:** \_\_\_\_\_.
- **Two measurements:** Start at the upper comb tip and work down. Measure to a step along the incline representing  $\frac{1}{2}$  or  $\frac{1}{3}$  of the distance down the incline. Measure to the closest step nose, record the measurement, and mark the step. Repeat the process, measuring from the lower comb tip up the incline to the step nose of your marked step. Add the measurements together and the sum is your **Measured Escalator Length** \_\_\_\_\_.

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We're serious about safety.  
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