

V-Belt Measuring

There are three different points on the v-belt to measure from:

La - OC (Outer Circumference)

- This is outside measurement of the belt under proper measuring tension.
- This is a commonly used method for high power profile design belts. This is not the most accurate way to measure a belt, however it is the easiest way to measure a belt.
- This can be quite commonly done by wrapping a tape measure around the outside of the belt with proper tension on the belt.

Le - Effective Length

- Le would usually be considered the most accurate way to measure the belt.
- You are measuring the length of the belt from the angles on the side of the belt by running the belt on 2 sheaves under a set tension. You should use the smallest sheaves per ISO specs.
- The formula would be the size of one sheave's diameter plus the center to center distance x2.

Li - Inside

- Li is the inside length measurement, which is commonly used with classical lines or profiles.
- This is measured by adding the circumference of the shaft to 2x the center to center shaft distance.

