



---

## Stability of V-Belt Drives

Misalignment causes increased belt wear which may lead to premature failure. There also comes a point where the belt faces stability, or turnover, issues on a drive that outweighs misalignment issues. The following are values where stability tends to become an issue:

3L	-	3°
4L	-	4°
5L	-	6°
A	-	6°
B	-	6°

2L belts are very susceptible to misalignment and all efforts should be made to minimize (or eliminate) any misalignment.

In addition to wear and stability issues with misaligned V-belt drives, an equally serious concern is the possibility of poor service life due to the unequal tensile cord loading. In some instances the edge cords may fail prematurely, followed by other cords. Belt life may be unacceptable.