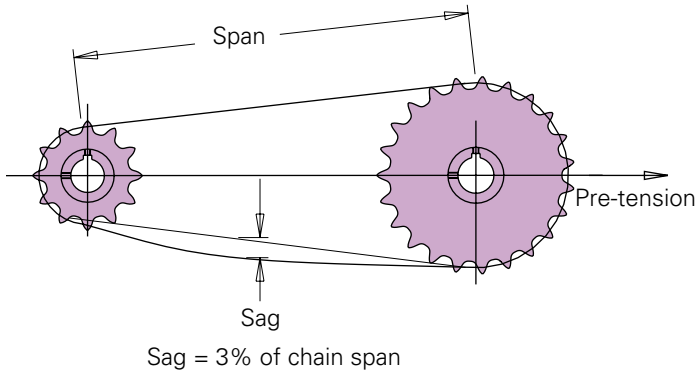


## Catenary Sag

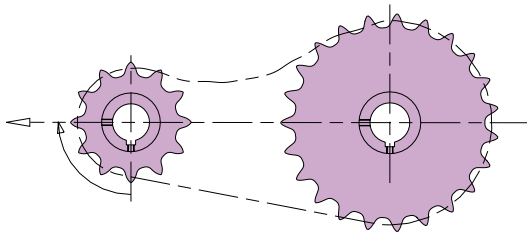
Pre-tension on the slack strand should be adequate to hold chain inward on the sprocket tooth profile. The 3% catenary sag distance on the slack strand achieves correct pre-tension levels, illustrated in Figure 11.

**Figure 11**



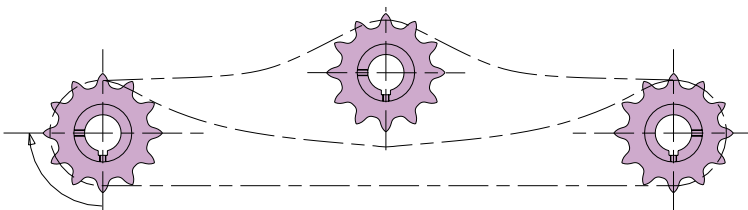
Attention should be paid to the following arrangements. If the slack side is on top, it is necessary to eliminate excessive chain slack. When the center distance is short, chain slack should be adjusted by increasing the center distance illustrated in Figure 12.

**Figure 12**



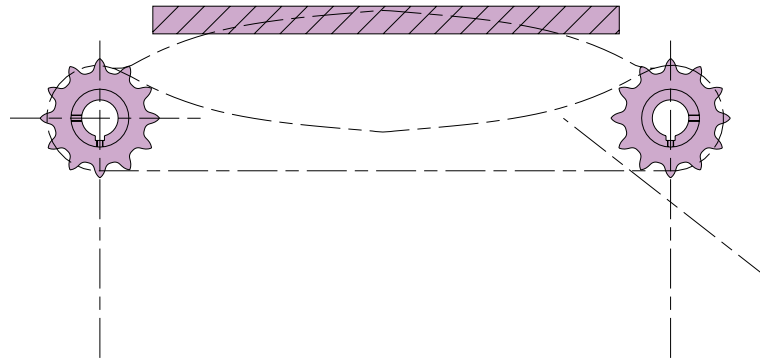
When the center distance is long, chain slack should be adjusted by installing an idler, illustrated in Figure 13.

**Figure 13**



If vibration occurs due to high chain speed, install a guide. This is shown in Figure 14.

**Figure 14**



If the centerline is vertical, install an idler which functions automatically to eliminate extra chain slack. If the driving shaft is on the lower side, an idler must be installed, as shown in Figure 15.

**Figure 15**

