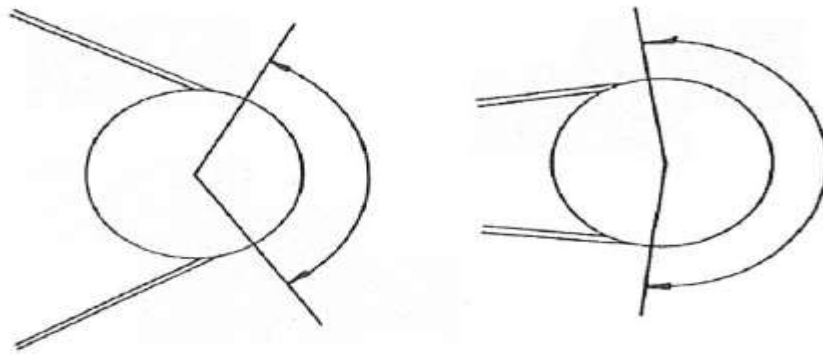
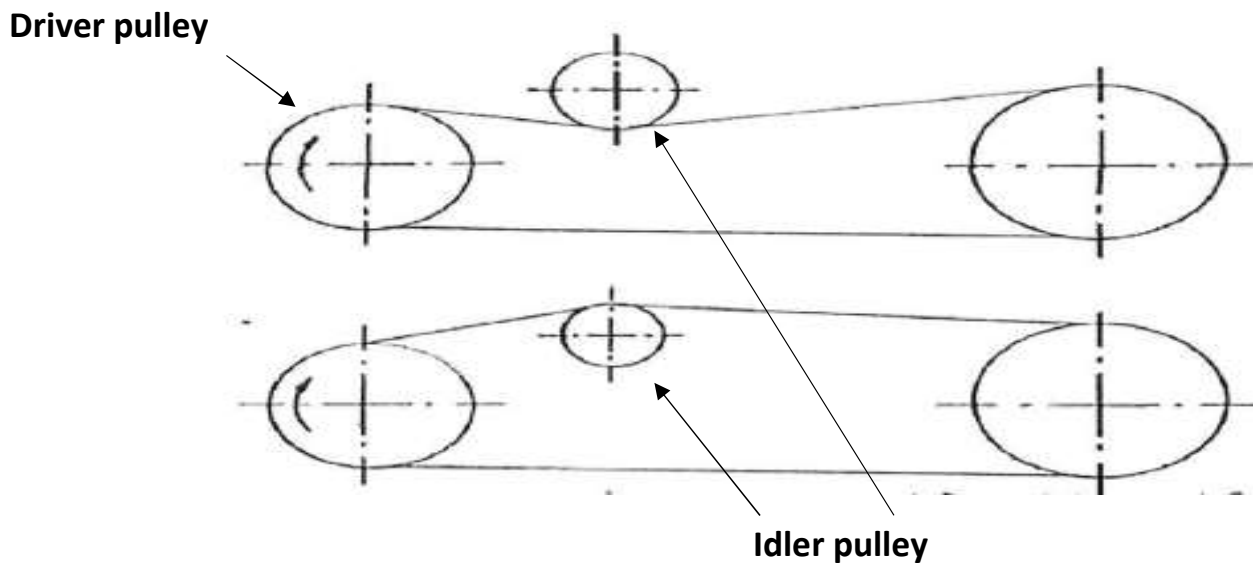


Arc of Contact



The operation of the belt and its ability to transmit power depends on the size of the friction force and the arc of contact of the belt. The greater the arc of contact the more power the belt can transmit.

Belt Tension



- If the relative position of the shafts cannot be adjusted, then an idler pulley can be used to assist installation of the belt.
- If the driver is subject to varying loads, then a spring-loaded idler can provide automatic adjustment of the belt tension
- The inclusion of an idler pulley can help to increase the arc of contact and hence the power transmission capacity of the drive. It generally recommended the idler pulley be mounted on the slack side of the belt as shown above and positioned nearest to the drive pulley