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State the effect of centrifugal tension on power transmission.

**Question:**

**State the effect of centrifugal tension on power transmission.**

**Answer:**

**Effect of centrifugal tension on power transmission:**

As the belt passes over the pulley with high velocity, centrifugal force is produced on the belt, which tends to act on the belt. This force tries to move the belt away from the pulley.

This force is given by,

$$T_c = m \times V^2$$

There is no effect of centrifugal tension on power transmitted.

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