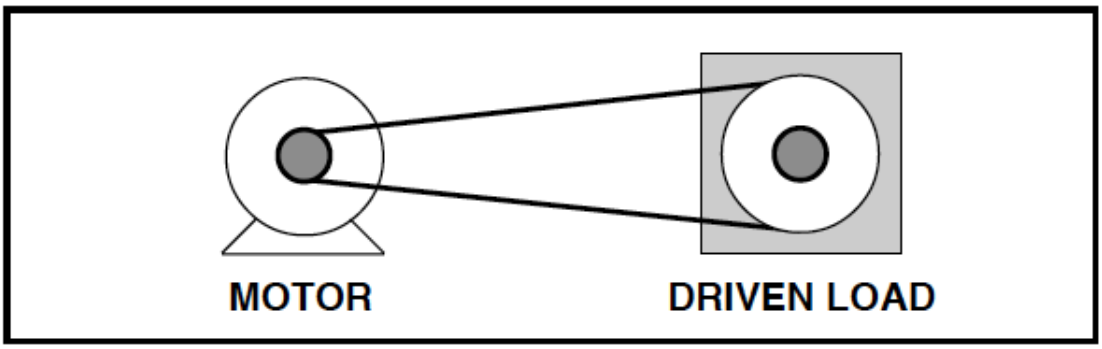
BELTS AND SHEAVES

PULLEY FORMULAS

FOR CALCULATING DIAMETERS AND SPEEDS



$$\text{Driven load rpm} = \frac{\text{motor pulley dia.}}{\text{driven pulley dia.}} \times \text{motor rpm}$$

$$\text{Motor rpm} = \frac{\text{driven pulley dia.}}{\text{motor pulley dia.}} \times \text{driven load rpm}$$

$$\text{Driven pulley dia.} = \frac{\text{motor rpm}}{\text{driven load rpm}} \times \text{motor pulley dia.}$$

$$\text{Motor pulley dia.} = \frac{\text{driven load rpm}}{\text{motor rpm}} \times \text{driven pulley dia.}$$

Pulley diameter equals pitch diameter.

Note: When gears and sprockets are used in place of pulleys, the number of teeth may be substituted for pitch diameter.