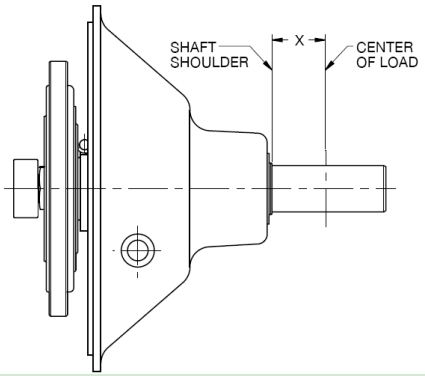
For side load applications use one of the formulas below for determining the actual applied load:

(1) $L = \frac{126{,}000 \times HP}{N \times D} \times F \times SF$

(2) $L = \frac{1{,}945{,}000 \times Kw}{N \times D} \times F \times SF$

L = Actual Applied Load (lbs. for (1) and Kgs for (2))
N = Shaft Speed (RPM)
D = Pitch Diameter (in. for (1) and mm for (2)) of Sheave
F = Load Factor
- 1.0 for Chain Drive or Gear Drive
- 1.5 for Timing Belts
- 2.5 for All V-Belts
- 3.5 for All Flat Belts

SF = Service Factor
- 2.1 for Reciprocating Compressors and other severe shock drives
- 1.8 for Large Inertia Drives such as Crushers, Chippers, and Planers



EL DIAMETRO “PITCH” ES EL DIAMETRO DE LA POLEA DONDE TERMINA EL CONTACTO DE LA BANDA (en mm para formula 2).