



Desired belt width =

Desired tooth profile =

Travel =

Velocity =

Acceleration rate or time =

Carriage mass =

Friction force of bearing system =
or

Dynamic coefficient of friction =
or

Type of linear motion system used =

Drag force on linear motion system = (seal drag, lubrication resistance, preload resistance, etc.)

Additional tangential working load =

Max. allowable static positioning error =

Is tangential load included in positioning error calculation?

Pulley diameter =

Pulley material =

Idler diameter =

Idler material =

Positioner angle of incline () =

Distance between belts clamp plates =

Vertical distance of pulley center line to idler center line =

Are pulleys or idlers fully supported or cantilevered on shafts =

Is the belt stationary =