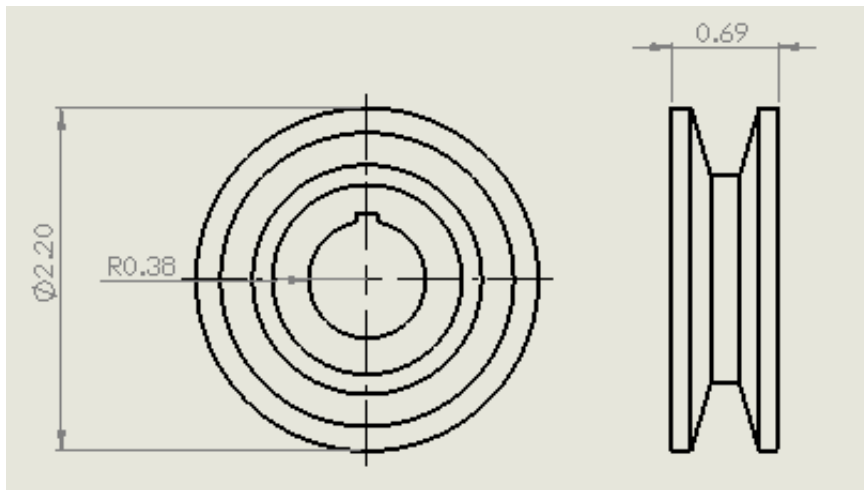


CALCULOS DE INERCIA DE CARGA PARA SISTEMA DE CORTE

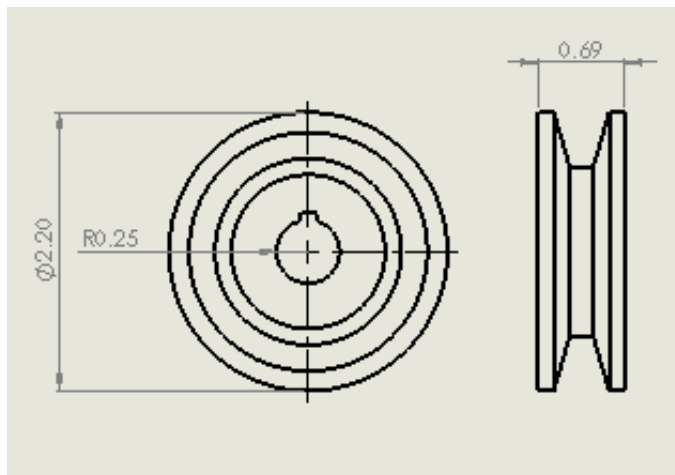


$$R_1 := 1.1$$

$$R_2 := 0.38$$

$$Lo := 0.69$$

$$Inercia1 := \frac{Lo \cdot (R_1^4 - R_2^4)}{323.9} \rightarrow 0.0030745339969126273541$$

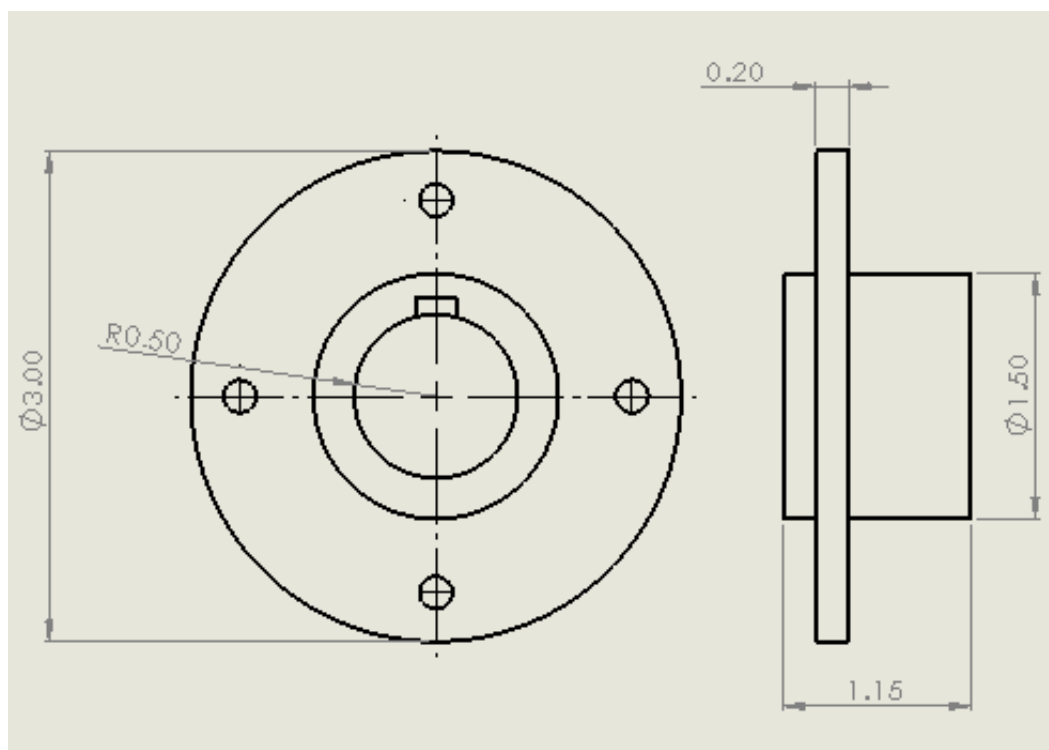
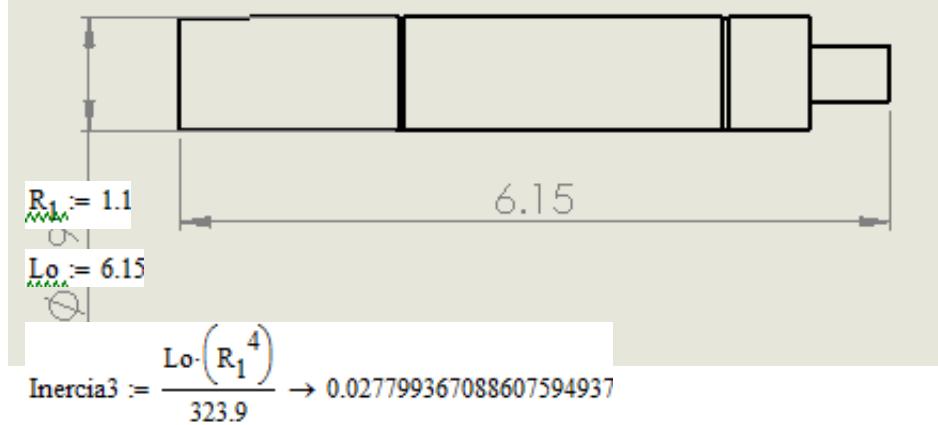


$$R_1 := 1.1$$

$$R_2 := 0.25$$

$$Lo := 0.69$$

$$Inercia2 := \frac{Lo \cdot (R_1^4 - R_2^4)}{323.9} \rightarrow 0.0031106319465884532263$$



$$R_1 := 1.5$$

$$R_2 := 0.75$$

$$L_o := 0.2$$

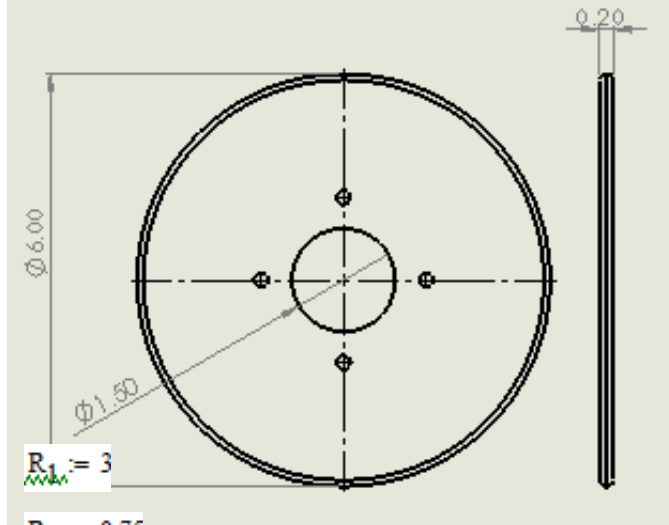
$$\text{Inercia4} := \frac{L_o \cdot (R_1^4 - R_2^4)}{323.9} \rightarrow 0.0029305920037048471751$$

$$R_1 := 0.75$$

$$R_2 := 0.5$$

$$L_o := 1.15$$

$$\text{Inercia5} := \frac{L_o \cdot (R_1^4 - R_2^4)}{323.9} \rightarrow 0.00090148869249768447052$$



$$R_2 := 0.75$$

$$L_o := 0.2$$

$$Inercia6 := \frac{L_o \cdot (R_1^4 - R_2^4)}{323.9} \rightarrow 0.049820064062982401976$$

Una vez que se determinan las inercias de todos los componentes, estas se suman, teniendo:

$$InerciaTotal := Inercia1 + Inercia2 + Inercia3 + Inercia4 + Inercia5 + Inercia6 \rightarrow 0.08763667779129360913902$$