



the **Differential Thing**

by organicap

illustrating the working principle
of an Open Differential

Parts List

The colors and infill percentages shown are those that I use when printing the model in PLA. A demonstration video with assembly instructions can be found at:

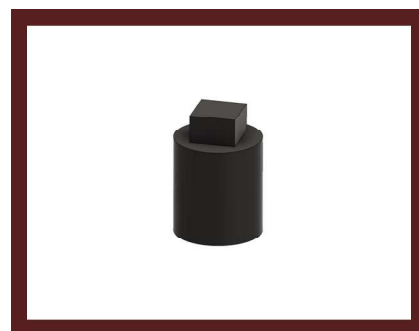
<https://www.youtube.com/watch?v=PaKnAY83Sy4>



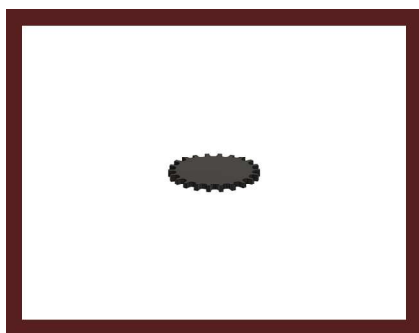
Side Gear
2 @ 15%



Side Gear Boss Short
1 @ 15%



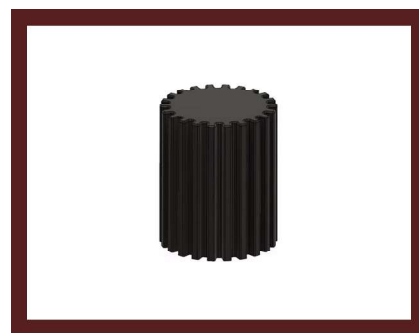
Side Gear Boss Long
1 @ 15%



Side Gear Cap
2 @ 100%



Tensioner
1 @ 100%



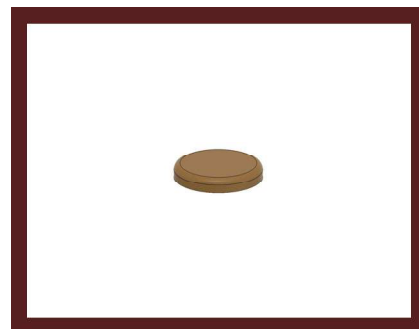
Axle Spline
2 @ 15%



Spider Gear
2 @ 15%



Spider Gear Boss
2 @ 15%



Spider Gear Cap
2 @ 15%



Spider Gear Spacer
2 @ 15%



Pinion
1 @ 15%



Pinion Boss
1 @ 15%



Pinion Cap
1 @ 100%



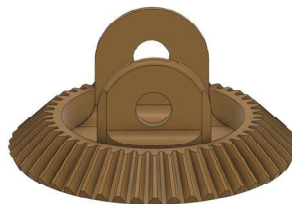
Crank
1 @ 15%



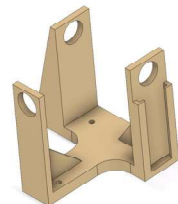
Crank Handle
1 @ 15%



Crank Pin
1 @ 15%



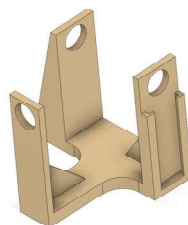
Ring Gear
1 @ 15%



Housing
1 @ 15%



Axle Brake
2 @ 15%



Alternate Housing
0 @ 15%

The alternate housing has
no mounting holes for a
display base