

# Master Rod(Radial Engine)

**Project Title:**Master Rod of Radial Engine.

**Aim:-**To design and model Master Rod of Radial Engine.

To design and model Master rod to complete the assembly of Radial Engine. This was a modeling practice done to sharpen skills.

Having a master rod means that the bottom bearings of the connecting rods follow a fixed path throughout the cycle. If they are all attached to the crankshaft via a spider bearing it the spider bearing itself has an extra degree of freedom to rotate around the crank bearing, having a master rod constraints this rotation.

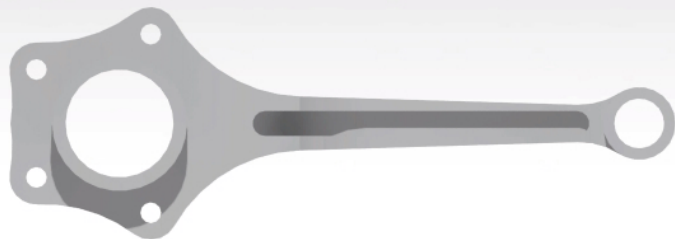


Above is the rendered model of Radial Engine Master Rod designed in CATIA.

## Master Rod- Standard Views



Top View



Front View



Side View