

Question 3.

Build this assembly in SolidWorks. It contains 3 components: Base, Yoke, Adjusting Pin.

Unit system: MMGS (millimeter, gram, second)

Decimal places: 2.

Material: 1060 Alloy for all components.

Density = 0.0027g/mm³

Base: The distance between the front face of the Base and the front face of the Yoke = 60mm.

Yoke: The Yoke fits inside the left and right square channels of the Base component, (no clearance). The top face of the Yoke contains a $\varnothing 12$ mm through-all hole.

Adjusting Pin: The bottom face of the Adjusting Pin head is located 40 mm from the top face of the Yoke component. The Adjusting Pin component contains a $\varnothing 5$ mm through all hole.

