

Jig for Drilling Motor Casting

Project Description:

- The location and size of the hole are two important factors of the mass production of components. This is achieved by a device known as a drill jig, whose purpose is to locate and clamp the component firmly.
- These drill jigs enable unskilled workers to produce components that are accurate as well as interchangeable.
- This drill jig was made using a locating pin and gun metal bush to guide the drill and locate the job.
- Drilling of the body was done in two stations. Design of drill jig for drilling Induction motor body casting. Design considerations were Ergonomics, Quick mounting, Clamping and accurate drilling operation.

Exploded view drill jig station 1 :



Exploded view drill jig station 2 :

