

# Journal Bearing Apparatus



**Product Categories:** [Engineering Equipment](#), [Theory Of Machine Lab](#)

**Product Page:** <https://www.labappara.com/product/journal-bearing-apparatus/>

## Product Description

### Journal Bearing Apparatus

The apparatus consists of a plain steel shaft excavated in a bearing and directly driven by a FHP Motor. The bearing is freely supported on the shaft and sealed at the motor end. The speed of the motor is controlled accurately by the speed control unit and it can be made run in both directions. Twelve equal-spaced pressure tapping around the circumference and four along the axis are provided and are connected to manometer by PU Tubing so that the pressure head of oil in all tubes can be observed at a time. The bearing can be loaded by attaching weights to the arm supported beneath it.

### **Technical Details:**

Control panel for speed control of motor

Motor: Variable speed FHP motor

16 tubes

Oil recommended: SAE 40

Manometer

Bearing: Diameter 55 mm

Weights: 4 adjustable weights

Journal: Diameter 50 mm