

Product Name :
WIRLING OF SHAFT APPARATUS**Product Code :**
Theory of Machine0009**Description :**

WIRLING OF SHAFT APPARATUS

Technical Specification :

The unit consists of a base upon which bearing holders and driving motor is coupled. Bearing holder is provided for fitting various bearing to provide different conditions for test shafts, viz. both end fixed and one end free. A variac provided for speed control of driving motor. The unit demonstrates the phenomenon of whirling of shaft. After the test shaft cannot be used, hence unit only demonstrate the principle.

SPECIFICATION

Shafts made from steel and of the following nominal dimensions.

Diameter mm. (inch)	Length mm. (inch)
4.5 or (3/16)	900 or (36)
6 or (1/4)	900 or (36)
7.5 or (5/16)	900 or (36)

One kinematic coupling and bearing for fixed or free ends without restraint. An electric motor: Universal, 5000 rev/min. frictional horse power. A dimmer stat for controlling speed of motor.

RANGE OF EXPERIMENTS

Display of the various models of whirls for a range of shafts with

- Both end DIRECTIONALLY FREE.
- One end FIXED and other FREE.

Models of vibration can be studied and the frequency can be measured each case.

SERVICE REQUIRED

- Single Phase 15amp Electrical Connection.
- Tachometer to measure the speed.
- Suitable floor space area to mount the instrument.

 **LAB ENGINEERING**

Elab Engineering Equipments Manufacturers