

Product Code . JL-SML-10080

Redundant Joint Apparatus



Description

Redundant Joint Apparatus

Apparatus consists of three suspension members (spring balances) of different stiffness, which are jointed at a point to form the redundant joint.

The upper end of the suspension members being tied in a position to a vertical wooden board.

Arrangement is provided to apply a vertical load at the joint and to measure its horizontal and vertical displacement on a paper and also elongations and forces in the suspension members by the help of dial gauges. Dial gauges with magnetic base are provided with the apparatus.

Experiment:-

Comparison of experimental and theoretical results of forces in the members and the component displacement of the loaded joint D of a three bar suspension system for vertical loads.

Required Accessories:-

Redundant Joint Apparatus

Dial Gauge : 1 No.

Magnetic Base : 1 No.

Hangers : 1 Nos.

Weight of 500gm : As Per requirement.
