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Product Name :
Beam and Leaf Spring

Product Code :
LBNY-0005-1380008



Description :

The heavy-duty box-section support beam works as the main support underneath the test beams and the leaf spring during the tests. The spring is of the same heavy-duty design as those used in vehicle suspensions. The Beam and Leaf Spring parts fit into the compressive test area of Universal Testing Machine. The testing machine applies a compressive bending force and measures the beam deflection. Students may adjust the position of the knife edge supports to set the length of beam under test. This gives students a better understanding of a "real world engineering component. For beam tests, the test beam rests across two knife edge supports fixed to the support beam. This forms a "simply supported beam. For leaf spring tests, the spring rests on its roller on two flanges at supports fixed to the support beam. They can then compare the results with those predicted by theory. Again, the testing machine applies a compressive force and measures the leaf spring deflection. For the beams, students use the deflection and force values to find the relationship between force and deflection for the different beams.

Technical Specification :

Packed volume: 0.28 m³.
Nett weight: 85 kg.



Laboratory Instrument India

