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Product Name :
Inclined Plane And Sliding Friction Apparatus

Product Code :
LBNY-0005-14000039



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Description :

The plane carries a free running pulley at one end and at the other end is hinged to the base plate. Consisting mostly of metal construction with a machine ground steel plane. The angle is displayed on a Clinometer Protractor on the front face of the plane. Eight sliding surfaces are supplied on opposite faces of 10 cm x 10 cm pads having a total mass of 1 Kg each. Two vertical pillars located either side of the plane carry a cross bar which can be positioned at various levels by set screws to tilt the plane. Certain materials are provided on both half area and full area of the pads. Other surfaces include steel, glass, aluminium and PVC. A knurled screw permits fine adjustment of the angle of the plane which has a maximum value of 45°. Additional loads of 2 x 1 Kg each and 1 x 500 gm together with 1 Kg weight carrier are also provided.

Applications:

Frictional effects of an inclined plane
Measures coefficient of friction between steel and various materials
Experiments of moving and static bodies.

Features:

Eight sliding surfaces of various engineering materials
Clinometer measurement for fine adjustment of plane angle
Various load masses.

Technical Specification :

Weight carriers of 8 different sliding frictional materials are included together with load masses. The robust apparatus is of all metal construction with an inclinable 90 cm ground steel plane furnished with course and fine

angular adjustment which is determined with the use of a clinometer.



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