



## P5464 INCLINED PLANE AND SLIDING FRICTION APPARATUS

### APPLICATIONS

Measures coefficient of friction between steel and various materials

Frictional effects of an inclined plane

Experiments of moving and static bodies

### FEATURES

Clinometer measurement for fine adjustment of plane angle

Eight sliding surfaces of various engineering materials

Various load masses

### DESCRIPTION

Consisting mostly of metal construction with a machine ground steel plane. The plane carries a free running pulley at one end and at the other end is hinged to the base plate. 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. A knurled screw permits fine adjustment of the angle of the plane which has a maximum value of 45°. 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. Additional loads of 2 x 1 Kg each and 1 x 500 gm together with 1 Kg weight carrier are also provided. Certain materials are provided on both half area and full area of the pads (soft wood and hard wood). Other surfaces include steel, glass, aluminium and leather.

### TENDER SPECIFICATION

The robust apparatus is of all metal construction with an inclinable 90 cm ground steel plane furnished with coarse and fine angular adjustment which is determined with the use of a clinometer. Weight carriers of 8 different sliding frictional materials are included together with load masses.

### OPTIONAL ACCESSORIES

**P5465** Weight hanger and weights

### DIMENSIONS

92 cm long x 23 cm wide x 70 cm high (when assembled)

**Packed dimension** 114 cm long x 43 cm wide x 36 cm high

Gross weight 42 Kg

### SERVICES

None required.