

Product Name :
Friction on the Inclined Plane

Product Code :
TN193



Description :

Friction on the Inclined Plane

Technical Specification :

Friction on the Inclined Plane

The unit is perform the following experiments and investigations:

Learning Objectives / Experiments

Determination of the friction coefficients of various material pairings

Transition from static to dynamic

Static equilibrium of forces on the inclined plane

Determination of the angle of inclination as from which sliding occurs (calculation and verification by experiment)

Specification:

Experiment relating to friction on the inclined plane

Inclined plane with plastic coating, drag link with angle scale and ball bearing-mounted deflection roller

Angle of plane adjustable

2 samples

Graduated weight set

Technical Data:

Friction body

Length x Width x Height: each 80x60x44mm

Dead-weight force: each 10N

1x steel / polypropylene
1x aluminium / brass
Inclined plane
Length: 1000mm
Adjustable angle range: $\pm 45^\circ$
Weights
1x 1N (hanger), 4x 0,1N, 1x 0,5N, 4x 1N, 1x 5N
Dimensions and Weight
Length x Width x Height: 1130x300x800mm
Weight: 35kg

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