



## Standard Inclined Plane

EQ001M

### Function

Study of collinear forces, coplanar competing forces, balance of a mobile object on a ramp, static and kinetic friction force, friction force acting on a moving object on a ramp, etc.

### Knowledge areas

Physics - Math & Science Fundamentals - Compact Kits

### Key Experiments

The movement and the trajectory.

The equilibrium of a moving object on an inclined plane

The experimental determination of the mechanical advantage of the inclined plane

The frictional forces and Newton's first law of motion

The determination of the sliding static and kinetic friction coefficient

