



## Mechanics set of solids and fluids (II)

EQ350A1

### Function

Intended for experimental study, physics laboratory and carrying out physics experiments on: Keplers first and second law, MRU, MRUV, uniform circular and circumferential motion, frequency, period, angular velocity, conical pendulum, free fall, relativity of motion, MHS, belts, gears, mass, weight, gravitational acceleration, Newtons first law, friction force, coefficient of static and kinetic friction, centripetal force, Hookes law, mass and spring oscillator, association of helical springs, pulleys, exponential hoist , parallel tackle, freight elevator, work of a force, principle of conservation of mechanical energy, moment of inertia, angular momentum, composition and decomposition of forces, rigid body, Varignons theorem, levers, Archimedes principle, density, hydrostatic pressure , Stevins principle, etc.

### Knowledge areas

Physics - Math & Science Fundamentals

### Level

Graduation - Technical education - High school

