

ANGULAR MOMENTUM APPARATUS

For use in experiments involving angular momentum, moment of inertia and relationships between torque and angular acceleration. The apparatus consists of a massive wheel which revolves in a low friction bearing, a vertically positioned acceleration timer to record data on the outer edge of the wheel, a launching ramp that can be fully positioned, receiving cups, a second disc, a specially weighted bar and dumbbell and a reliable three point levelling system. Data can also be collected with computer monitored acceleration timers. The kit comes with a roll of recording tape, a roll of ticker tape and three steel balls. A 1.5V 'D' cell is required.

P15-9000 Angular Momentum Apparatus

AIR TABLE WITH BUILT-IN AIR SUPPLY

With its air source built-in, this equipment provides a frictionless, two dimensional 60 x 90cm surface for the study of velocity, acceleration, Newton's Laws, centre of mass, elastic and inelastic collisions, linear and angular momentum, conservation of momentum, moment of inertia, centripetal force, simple and complex harmonic motion. The smooth, hard, black acrylic surface is ideal for photographic studies and has threaded inserts strategically positioned for use with accessories. Includes corner posts, bumper wire, tension adjustment bolts, levellers, pucks, springs, and hook and loop collars.

P15-9100 Air Table with Built-in Air Supply

DYNAMICS SYSTEM

The modern way of conducting experiments in dynamics without the inconvenience of storing huge runways. The Dynamics System provides an efficient and convincing format for demonstration and project work giving repeatable results. Students can carry out investigations into Kinetic Energy, Motion on an Inclined Plane, Momentum, Force on a Mass, Elastic Collisions, Transfer of Energy, Simple Harmonic Motion and many more. The Dynamics System comes complete with all the accessories required to carry out the whole range of experiments associated with dynamics.

Features include:

- Complete system, no hidden accessories required
- Modern design concept to eliminate cumbersome runways
- Repeatable results achieved
- Low friction trolleys
- Purpose designed track
- Includes ticker tape timer
- Exceptional educational value

Supplied complete with:

- Extruded aluminium track 1.25m long with bracket for pulley & housing for precise alignment of ticker tape timer
- 1 standard trolley with housing for doubling the mass
- 1 trolley with spring loaded plunger & housing for doubling mass
- 10 mass pieces
- 1 ticker tape timer (a.c.)
- 5 reels of ticker tape
- 20 carbon discs
- 1 stopwatch
- 1 spirit level
- 1 tape measure & 1 reel of cotton.

All the accessories are housed in a strong plastic case which enables the teacher to check the contents at a glance at the end of every lesson.

P15-9150 Dynamics System



P15-9000



P15-9100



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