

Fundamentals of Statics Apparatus (EDC-MM-133)

EXPERIMENTAL DATA:

- Buildup and determination of forces with force parallelogram.
- Equilibrium of forces. Mutual lever systems.
- Forces in bearings.
- Law of levers, determination of moments and equilibrium of moments.
- Rebound of force by fixed and free pulleys.
- Supplementary sets:
 - Inclined plane; friction.
 - Pulley blocks.
 - Gear wheels.



DESCRIPTION:

The apparatus used to demonstrate the core principles required for civil and mechanical engineering disciplines. The base element is an upright panel. Bench top equipment for standalone working. All parts required for the experiment can be quickly attached to the rails around the edges.

SPECIFICATIONS:

- Investigational setup to validate simple, planar force systems.
- Panel with rails around the edges for easy mounting of various tentative components.
- Panel with imprinted 50mm line grid and facility to write on using erasable marker.
- Lever rods with 50mm grid.
- Wide range for mountings: cables, rods, pulleys, torque disks and pivot bearings.
- Force gauges for tensile and compressive forces.
- Transparent dial on force gauge rotatable.

DIMENSIONS AND WEIGHT:

- L x W x H (mm): 600 X 700 X 300 approx.
- Weight: 15 kg approx.

SCOPE OF DELIVERY:

- 1 x EDC-MM-133.
- 1 x Instructional Manual.

TECHNICAL DATA:

- Panel:
 - 600 X 700mm.
 - Grid: 50mm.
- Load hangers for applying load.
- Force gauges for measuring tensile and compressive forces.

