

UNIT OF STATIC MECHANICS FOR MAGNETIC BLACKBOARD

Mod. F-ST/EV

ME



DESCRIPTION

This unit has been designed to carry out tests of static mechanics that can be seen even from long distance; a magnetic blackboard ensures an easy and fast realization. It is possible to carry out 20 experiments.

TRAINING PROGRAM

- Composition of concurrent forces
- Composition of parallel forces
- Decomposition of a force
- Elastic forces
- Hooke's law
- Center of mass
- Balance of a fulcrum rod
- Balance of moments
- Levers
- Inclined plane
- Sliding friction
- Pulleys
- Pulleys in parallel
- Pulleys in series
- Combination of simple machines

- Goniometer
- Inclined plane with goniometer
- Set of five spiral springs with graduated indicator (0.5N; 1N; 2N; 3N, 5N)
- Dynamometer of 2.5 N
- Indicators for cathetometer
- Nylon string
- Weight holder of wood
- 2 double pulleys in parallel
- 2 triple pulleys in series
- 2 double pulleys in series
- 3 magnets with hook
- 2 supports for dynamometer
- 2 fixed pulleys with magnets
- 2 trucks
- 2 simple pulleys
- 1 wooden block with hook
- 1 weight of 20 g
- 1 weight of 50 g
- 2 sets of weights of 10 g
- 1 small ring
- Magnetic blackboard 90 x 60 cm
- Case

TECHNICAL SPECIFICATIONS

- Rod for levers with pin
- Plate for centre of gravity
- Body of plexiglas of irregular shape for centre of gravity
- Disk of moments, equipped with small nails

SUPPLIED WITH
THEORETICAL - EXPERIMENTAL
HANDBOOK

