

7.2.- GENERAL MECHANICS

7.2.3.- MECHANISMS

Practical Possibilities

- To illustrate how a liquid can be used to transmit a force.
- This equipment also be used by the student to carry out simple experiments to investigate the relationships between the force on the plungers, the cross section area of the plungers and the fluid pressure in the system.
- The system consists essentially of three accurately machined-cylinders whose cross-section areas are in the ration 1,2 and 6.
- The three cylinders and the pressure gauge are connected in parallel and "on/off" taps are included in the circuit so that any of the cylinder units may be isolated from the system.

Dimensions and Weight

- Dimensions approx. : 68 x 38 x 28 cm.
- Weight approx. : 10 kg.

MBD

Slider Crank Mechanism



Dimensions and Weight

- Dimensions approx.: 31 x 15 x 6 cm
- Weight approx.: 1.5 Kg

MYE

Scotch Yoke Mechanism

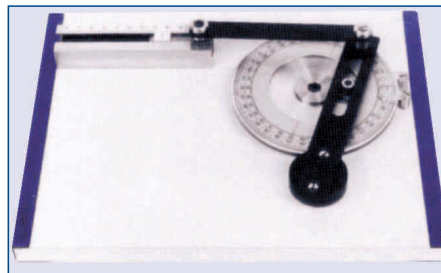


Dimensions and Weight

- Dimensions approx.: 31x15x4.5cm.
- Weight approx. : 1.5 Kg.

MBM1

Slotted Link Mechanism



Dimensions and Weight

- Dimensions approx. : 30x23x6cm.
- Weight approx. : 2 Kg.

MBM2

Whitworth Quick Return Mechanism

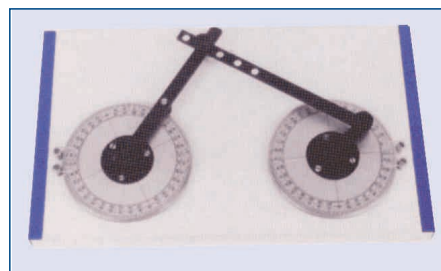


Dimensions and Weight

- Dimensions approx. : 31x15x6cm.
- Weight approx. : 1.5 Kg.

MCA

Chain Mechanism

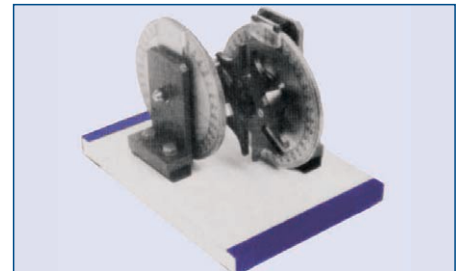


Dimensions and Weight

- Dimensions approx. : 39x26x6 cm.
- Weight approx. : 2 Kg.

MME

Genova Stop Mechanism

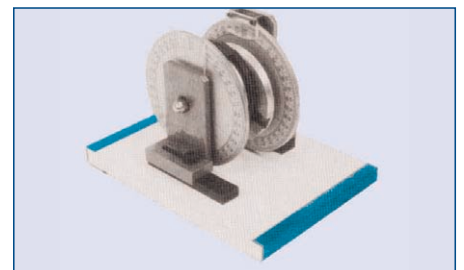


Dimensions and Weight

- Dimensions approx. : 23x15x16cm.
- Weight approx. : 3 Kg.

MAC

Coupling Mechanism



Dimensions and Weight

- Dimensions approx. : 23x15x16 cm.
- Weight approx. : 3 Kg.

MUN

Kook's Joint Mechanism

